

## **Air Quality Assumptions**

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This appendix includes the major analysis assumptions discussed in Appendix 22A.

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1 **Table 22B-1a. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

Phase	Intake 1			Intake 2			Intake 3			Intake 4			Intake 5		
	Start Month	Start Year	Days												
Clear & Grub/Demolition	March	2017	1.00	December	2017	1.00	October	2017	1.00	January	2018	1.00	November	2017	1.00
Construct Detour Road															
Dewater	April	2017	6.00	January	2018	6.00	November	2017	6.00	February	2018	6.00	December	2017	6.00
Overexc/Recompact	April	2017	6.00	January	2018	6.00	November	2017	6.00	February	2018	6.00	December	2017	6.00
Import/Place Fill	April	2017	6.00	January	2018	6.00	November	2017	6.00	February	2018	6.00	December	2017	6.00
Base & Paving	April	2017	6.00	January	2018	6.00	November	2017	6.00	February	2018	6.00	December	2017	6.00
Stripe & Sign	April	2017	1.00	January	2018	1.00	November	2017	1.00	February	2018	1.00	December	2017	1.00
Const B/U Levee/Widen Levee Top Access															
Dewater	April	2017	6.00	January	2018	6.00	November	2017	6.00	February	2018	6.00	December	2017	6.00
Overexc/Recompact	April	2017	6.00	January	2018	6.00	November	2017	6.00	February	2018	6.00	December	2017	6.00
Import & Place Fill	May	2017	6.00	February	2018	6.00	December	2017	6.00	March	2018	6.00	January	2018	6.00
Asphalt Concrete F/Road	June	2017	6.00	March	2018	6.00	January	2018	6.00	April	2018	6.00	February	2018	6.00
Stripe & Sign	June	2017	1.00	March	2018	1.00	January	2018	1.00	April	2018	1.00	February	2018	1.00
Construct Sheetpile Cofferdam															
Install & Remove Sheet Piles															
Drive Sheet Piles, PZ40	June	2018	50.67	August	2018	50.67	May	2018	50.67	September	2018	50.67	July	2018	50.67
Cutoff & Remove Sheetpiles	July	2018	12.67	September	2018	12.67	June	2018	12.67	October	2018	12.67	August	2018	12.67
Install & Remove Wales & Struts															
Install Wales & Struts	June	2018	5.42	August	2018	5.42	May	2018	5.42	September	2018	5.42	July	2018	5.42
Cutoff & Remove Sheetpiles	June	2018	1.45	August	2018	1.45	May	2018	1.45	September	2018	1.45	July	2018	1.45
Excavate Cell															
Clamshell Excavation	May	2019	37.17	August	2019	37.17	June	2019	37.17	August	2019	37.17	June	2019	37.17
Unload Barge & Export	June	2019	14.30	September	2019	14.30	July	2019	14.30	September	2019	14.30	July	2019	14.30
Drive Foundation Piles															
Provide Piles															
Purchase Piles, 24" X 90'	June	2019	16.88	August	2019	16.88	June	2019	16.88	September	2019	16.88	July	2019	16.88
Weld Bottom Closure & Joint	June	2019	33.75	August	2019	33.75	June	2019	33.75	September	2019	33.75	July	2019	33.75
Drive Piles															
Drive Foundation Piles	July	2019	45.00	September	2019	45.00	July	2019	45.00	October	2019	45.00	August	2019	45.00
Place Tremie Plug															
Unwater Cell	September	2019	2.00	October	2019	2.00	August	2019	2.00	November	2019	2.00	September	2019	2.00
Place Concrete	September	2019	6.18	October	2019	6.18	August	2019	6.18	November	2019	6.18	September	2019	6.18
Microtunnel Intake Conduits															
Set Pipe forms & Bulkhead	October	2019	15.00	January	2020	15.00	December	2019	15.00	January	2020	15.00	November	2019	15.00
Equip Intake for Jacking	November	2019	7.00	February	2020	7.00	January	2020	7.00	February	2020	7.00	December	2019	7.00
Set TBM & Jacking Frame	December	2019	36.00	March	2020	36.00	February	2020	36.00	March	2020	36.00	January	2020	36.00
Jack Pipe Inplace	April	2020	120.00	July	2020	120.00	August	2020	120.00	September	2020	120.00	May	2020	120.00
Remove TBM & Haul to Pier	April	2020	15.00	July	2020	15.00	August	2020	15.00	September	2020	15.00	May	2020	15.00

Phase	Intake 1			Intake 2			Intake 3			Intake 4			Intake 5		
	Start Month	Start Year	Days												
Grouting															
Pump Anular Grout	May	2020	24.00	August	2020	24.00	September	2020	24.00	October	2020	24.00	June	2020	24.00
Clean Pipe	June	2020	12.00	August	2020	12.00	September	2020	12.00	October	2020	12.00	July	2020	12.00
Muck Disposal															
Muck Disposal	June	2020	82.00	September	2020	82.00	October	2020	82.00	November	2020	82.00	August	2020	82.00
Place Concrete Hopper															
Place Concrete															
Plant & Operations	April	2020	101.28	May	2020	101.28	April	2020	101.28	June	2020	101.28	April	2020	101.28
Placing Crew	April	2020	57.78	May	2020	57.78	April	2020	57.78	June	2020	57.78	April	2020	57.78
Point & Patch	May	2020	6.16	June	2020	6.16	May	2020	6.16	July	2020	6.16	May	2020	6.16
Treat CJ	June	2020	59.88	July	2020	59.88	June	2020	59.88	August	2020	59.88	June	2020	59.88
Cure & Cleanup	July	2020	16.90	August	2020	16.90	July	2020	16.90	September	2020	16.90	July	2020	16.90
Formwork	July	2020	92.18	August	2020	92.18	July	2020	92.18	September	2020	92.18	July	2020	92.18
Construct Walls & Deck															
Outside Walls Concrete															
Plant & Operations	June	2020	15.45	August	2020	15.45	July	2020	15.45	September	2020	15.45	July	2020	15.45
Placing Crew	June	2020	7.05	August	2020	7.05	July	2020	7.05	September	2020	7.05	July	2020	7.05
Point & Patch	June	2020	28.38	August	2020	28.38	July	2020	28.38	September	2020	28.38	July	2020	28.38
Treat CJ	July	2020	7.89	August	2020	7.89	August	2020	7.89	October	2020	7.89	August	2020	7.89
Cure & Cleanup	July	2020	33.12	August	2020	33.12	August	2020	33.12	October	2020	33.12	August	2020	33.12
Formwork	August	2020	132.38	October	2020	132.38	September	2020	132.38	November	2020	132.38	September	2020	132.38
Falsework Up/Down For Roof	January	2021	42.25	March	2021	42.25	February	2021	42.25	April	2021	42.25	February	2021	42.25
Slab Concrete															
Plant & Operations	June	2020	4.27	August	2020	4.27	July	2020	4.27	September	2020	4.27	July	2020	4.27
Placing Crew	June	2020	1.30	August	2020	1.30	July	2020	1.30	September	2020	1.30	July	2020	1.30
Finish	June	2020	5.84	August	2020	5.84	July	2020	5.84	September	2020	5.84	July	2020	5.84
Point & Patch	June	2020	7.15	August	2020	7.15	July	2020	7.15	September	2020	7.15	July	2020	7.15
Treat CJ	June	2020	1.27	August	2020	1.27	July	2020	1.27	September	2020	1.27	July	2020	1.27
Cure & Cleanup	June	2020	6.95	August	2020	6.95	July	2020	6.95	September	2020	6.95	July	2020	6.95
Formwork	June	2020	37.25	August	2020	37.25	July	2020	37.25	September	2020	37.25	July	2020	37.25
Bridge	October	2020	60.00	November	2020	60.00	October	2020	60.00	January	2020	60.00	November	2020	60.00
Rip Rap															
Place Rip Rap	June	2021	5.83	August	2021	5.83	June	2021	5.83	September	2021	5.83	July	2021	5.83
Place Bedding Material	June	2021	1.25	August	2021	1.25	June	2021	1.25	September	2021	1.25	July	2021	1.25
Place Fabric	June	2021	2.83	August	2021	2.83	June	2021	2.83	September	2021	2.83	July	2021	2.83
Barge Unloading Facility															
Construct Barge Unloading Facility	October	2020	21.00	November	2020	21.00	October	2020	21.00	January	2020	21.00	November	2020	21.00
Remove Barge Unloading Facility	August	2021	21.00	September	2021	21.00	August	2021	21.00	October	2021	21.00	August	2021	21.00
Cleanup, Demobe	August	2021	5.00	September	2021	5.00	August	2021	5.00	October	2021	5.00	August	2021	5.00

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1 **Table 22B-1b. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

Phase	Pumping Plant 1			Pumping Plant 2			Pumping Plant 3			Pumping Plant 4			Pumping Plant 5		
	Start Month	Start Year	Days												
Clearing/Grubbing															
Clearing/Grubbing	September	2017	5.00	January	2018	5.00	October	2017	5.00	January	2018	5.00	October	2017	5.00
Dewatering	September	2017	434.00	January	2018	434.00	October	2017	434.00	January	2018	434.00	October	2017	434.00
Excavation & Backfill															
Excavation & Haul to Waste	October	2017	82.53	January	2018	82.53	November	2017	82.53	February	2018	82.53	November	2017	82.53
Excavation & Stockpile	February	2019	44.37	April	2019	44.37	March	2019	44.37	June	2019	44.37	February	2019	44.37
Place Stockpiled Material as Backfill	February	2019	28.26	April	2019	28.26	March	2019	28.26	June	2019	28.26	February	2019	28.26
Import & Place Material	February	2019	190.14	April	2019	190.14	March	2019	190.14	June	2019	190.14	February	2019	190.14
Sedimentation Basin															
Place Gavel Bedding	August	2017	5.20	January	2018	5.20	November	2017	5.20	February	2018	5.20	November	2017	5.20
Drive Foundation Piles	December	2017	118.00	March	2018	118.00	February	2018	118.00	March	2018	118.00	February	2018	118.00
Place Concrete Fill in Piles	April	2018	42.46	October	2018	42.46	March	2018	42.46	October	2018	42.46	September	2018	42.46
Sedimentation SOG & Solids Lagoons															
Plant & Operations	April	2018	66.41	October	2018	66.41	March	2018	66.41	October	2018	66.41	September	2018	66.41
Placing Crews	April	2018	26.20	October	2018	26.20	March	2018	26.20	October	2018	26.20	September	2018	26.20
Point & Patch	April	2018	5.97	October	2018	5.97	March	2018	5.97	October	2018	5.97	September	2018	5.97
Treat CJ	May	2018	10.75	November	2018	10.75	April	2018	10.75	November	2018	10.75	October	2018	10.75
Cure & Cleanup	May	2018	115.00	November	2018	115.00	April	2018	115.00	November	2018	115.00	October	2018	115.00
Formwork	August	2018	37.37	February	2019	37.37	July	2018	37.37	February	2019	37.37	January	2019	37.37
Sedimentation Wall Concrete															
Plant & Operations	January	2019	140.00	May	2019	140.00	March	2019	140.00	May	2019	140.00	April	2019	140.00
Placing Crews	January	2019	27.41	May	2019	27.41	March	2019	27.41	May	2019	27.41	April	2019	27.41
Finish	January	2019	1.68	May	2019	1.68	March	2019	1.68	May	2019	1.68	April	2019	1.68
Point & Patch	February	2019	72.31	June	2019	72.31	April	2019	72.31	June	2019	72.31	May	2019	72.31
Treat CJ	April	2019	4.85	August	2019	4.85	June	2019	4.85	August	2019	4.85	July	2019	4.85
Cure & Cleanup	April	2019	451.95	August	2019	451.95	June	2019	451.95	August	2019	451.95	July	2019	451.95
Sedimentation Basin Roof Concrete															
Placing Crews	June	2019	2.23	November	2019	2.23	September	2019	2.23	December	2019	2.23	October	2019	2.23
Finish	June	2019	1.40	November	2019	1.40	September	2019	1.40	December	2019	1.40	October	2019	1.40
Point & Patch	June	2019	2.31	November	2019	2.31	September	2019	2.31	December	2019	2.31	October	2019	2.31
Cure & Cleanup	June	2019	12.00	November	2019	12.00	September	2019	12.00	December	2019	12.00	October	2019	12.00
Formwork	June	2019	14.42	November	2019	14.42	September	2019	14.42	December	2019	14.42	October	2019	14.42
Roof Falsework	July	2019	46.68	December	2019	46.68	October	2019	46.68	January	2020	46.68	November	2019	46.68
Hanging & Baffle Wall Concrete															
Plant & Operations	January	2019	9.05	May	2019	9.05	March	2019	9.05	May	2019	9.05	April	2019	9.05
Finish	January	2019	0.47	May	2019	0.47	March	2019	0.47	May	2019	0.47	April	2019	0.47
Point & Patch	January	2019	14.88	May	2019	14.88	March	2019	14.88	May	2019	14.88	April	2019	14.88
Treat CJ	January	2019	1.60	May	2019	1.60	March	2019	1.60	May	2019	1.60	April	2019	1.60
Cure & Cleanup	January	2019	20.78	May	2019	20.78	March	2019	20.78	May	2019	20.78	April	2019	20.78

Phase	Pumping Plant 1			Pumping Plant 2			Pumping Plant 3			Pumping Plant 4			Pumping Plant 5		
	Start Month	Start Year	Days												
Formwork	February	2019	93.00	June	2019	93.00	April	2019	93.00	June	2019	93.00	May	2019	93.00
Hanging Wall Falsework	May	2019	0.58	September	2019	0.58	July	2019	0.58	September	2019	0.58	August	2019	0.58
<b>Pump House</b>															
Place Gravel Bedding	September	2017	2.18	January	2018	2.18	November	2017	2.18	February	2018	2.18	December	2017	2.18
Drive Foundation Piles	December	2017	71.33	March	2018	71.33	February	2018	71.33	April	2018	71.33	February	2018	71.33
Place Concrete Fill on Piles	March	2018	25.65	May	2018	25.65	June	2018	25.65	July	2018	25.65	June	2018	25.65
Slab On Grade Concrete															
Plant & Operations	March	2018	50.00	May	2018	50.00	June	2018	50.00	July	2018	50.00	June	2018	50.00
Placing Crews	March	2018	20.19	May	2018	20.19	June	2018	20.19	July	2018	20.19	June	2018	20.19
Finish	March	2018	15.40	May	2018	15.40	June	2018	15.40	July	2018	15.40	June	2018	15.40
Point & Patch	April	2018	0.85	June	2018	0.85	July	2018	0.85	August	2018	0.85	July	2018	0.85
Treat CJ	April	2018	6.77	June	2018	6.77	July	2018	6.77	August	2018	6.77	July	2018	6.77
Cure & Cleanup	April	2018	28.70	June	2018	28.70	July	2018	28.70	August	2018	28.70	July	2018	28.70
Formwork	May	2018	5.29	July	2018	5.29	August	2018	5.29	September	2018	5.29	August	2018	5.29
<b>Pump House Wall Concrete</b>															
Plant & Operations	June	2018	100.00	September	2018	100.00	August	2018	100.00	October	2018	100.00	September	2018	100.00
Placing Crews	June	2018	32.96	September	2018	32.96	August	2018	32.96	October	2018	32.96	September	2018	32.96
Finish	July	2018	3.45	October	2018	3.45	September	2018	3.45	November	2018	3.45	October	2018	3.45
Point & Patch	July	2018	80.32	October	2018	80.32	September	2018	80.32	November	2018	80.32	October	2018	80.32
Treat CJ	September	2018	6.77	December	2018	6.77	November	2018	6.77	January	2019	6.77	December	2018	6.77
Cure & Cleanup	September	2018	113.99	December	2018	113.99	November	2018	113.99	January	2019	113.99	December	2018	113.99
Formwork	January	2019	502.02	April	2019	502.02	March	2019	502.02	May	2019	502.02	April	2019	502.02
<b>Pump House Roof Concrete</b>															
Plant & Operations	November	2018	15.48	February	2019	15.48	December	2018	15.48	February	2019	15.48	January	2019	15.48
Placing Crews	November	2018	11.64	February	2019	11.64	December	2018	11.64	February	2019	11.64	January	2019	11.64
Finish	November	2018	15.68	February	2019	15.68	December	2018	15.68	February	2019	15.68	January	2019	15.68
Point & Patch	November	2018	19.29	February	2019	19.29	December	2018	19.29	February	2019	19.29	January	2019	19.29
Cure & Cleanup	December	2018	50.17	March	2019	50.17	January	2019	50.17	March	2019	50.17	February	2019	50.17
Formwork	February	2019	120.59	May	2019	120.59	March	2019	120.59	May	2019	120.59	April	2019	120.59
Roof Falsework	June	2019	46.68	September	2019	46.68	July	2019	46.68	September	2019	46.68	August	2019	46.68
<b>Flow Meter Vaults</b>															
Flow Meter Vault Concrete	July	2019	23.71	January	2020	23.71	October	2019	23.71	January	2020	23.71	December	2019	23.71
Ultra-Sonic Flow Meters	July	2019	14.00	January	2020	14.00	October	2019	14.00	January	2020	14.00	December	2019	14.00
<b>Butterfly Valves</b>															
Electrical Actuated BFV(96")	January	2019	35.00	February	2020	35.00	February	2019	35.00	March	2020	35.00	February	2019	35.00
Hydraulic Actuated BFV(96")	January	2019	35.00	February	2020	35.00	February	2019	35.00	March	2020	35.00	February	2019	35.00
<b>Piping To Outside</b>															
Discharge Piping (8' Dia)	January	2019	56.00	February	2020	56.00	February	2019	56.00	March	2020	56.00	February	2019	56.00
Installation of Pumps, Valves & Fittings	January	2019	240.00	February	2020	240.00	February	2019	240.00	March	2020	240.00	February	2019	240.00
Flex Couplings	January	2019	14.00	February	2020	14.00	February	2019	14.00	March	2020	14.00	February	2019	14.00
Air Valves	January	2019	7.00	February	2020	7.00	February	2019	7.00	March	2020	7.00	February	2019	7.00

1 **Table 22B-1c. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

Phase	Intermediate Pumping Plant		
	Start Month	Start Year	Days
Clearing/Grubbing/Dewatering			
Clearing & Grubbing	June	2017	2.00
Dewatering	June	2017	493.00
SWPPP	June	2017	5.00
PP Excavation & Backfill			
Excavate & Waste	August	2017	84.72
Excavation & Stockpile	August	2017	76.25
Place Stockpiled Material As Backfill	November	2017	334.45
Forebay From New North Canal			
Forebay From New North Canal - Excavation & Stockpile	August	2017	263.64
Forebay From New North Canal - Place Stockpiled Material As Backfill	January	2018	34.38
Forebay Concrete			
Forebay From New North Canal Plant & Operations	July	2018	57.80
Forebay From New North Canal Placing Crews	July	2018	19.05
Forebay From New North Canal Finish	August	2018	3.45
Forebay From New North Canal Point & Patch	August	2018	15.68
Forebay From New North Canal Treat CJ	August	2018	0.30
Forebay From New North Canal Cure & Cleanup	August	2018	145.66
Forebay From New North Canal Formwork	August	2019	97.98
Pump House			
Place Gravel Bedding	August	2017	5.38
Drive Foundation Piles	February	2018	591.33
Place Concrete Fill on Piles	July	2018	212.89
Slab On Grade Concrete			
Plant & Operations	July	2018	77.72
Placing Crews	July	2018	31.31
Finish	August	2018	43.70
Point & Patch	September	2018	4.28
Treat CJ	September	2018	3.28
Cure & Cleanup	September	2018	80.41
Formwork	September	2018	26.75
Volute Concrete			
Plant & Operations	January	2019	68.71
Placing Crews	January	2019	15.10
Finish	January	2019	6.72
Point & Patch	January	2019	0.00
Cure & Cleanup	January	2019	6.88
Formwork	February	2019	0.00
Pump House Wall Concrete			
Plant & Operations	September	2018	211.22

Phase	<b>Intermediate Pumping Plant</b>		
	Start Month	Start Year	Days
Point & Patch	September	2018	296.55
Cure & Cleanup	January	2019	408.96
Formwork	January	2018	500.00
<b>Pump House Elevated Slab Concrete</b>			
Plant & Operations	April	2019	101.68
Placing Crews	April	2019	18.89
Finish	April	2019	34.60
Point & Patch	May	2019	2.31
Cure & Cleanup	May	2019	58.37
Formwork	May	2019	14.46
Roof Falsework	June	2019	136.60
<b>Haul Road</b>			
Overexc & Recompact 40' Widex 5' Deep	May	2019	8.00
Remove Base Rock	May	2019	4.00
<b>Piping</b>			
11' Dia Piping	June	2019	48.00
12' Dia Piping	June	2019	48.00
Flex Couplings	June	2019	80.00
Air Valve	June	2019	16.00
Install All Piping, Fittings & Valves	June	2019	16.00
<b>Butterfly Valves</b>			
11' Hydraulically Activated BFV	July	2019	50.00
8' Electrically Activated BFV	July	2019	30.00
<b>Flow Meter Vaults</b>			
Flow Meter Vaults, 16'x16'x20' Deep	July	2019	218.84
Ultra Sonic Flow Meters	July	2019	12.00

1 **Table 22B-1d. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

Pipelines																			
Pipeline A				Pipeline B				Pipeline C				Pipeline D				Surge Tower Base			
	Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days
Clear & Grub/ Demolition	December	2021	8.00	Dewatering	May	2022	176.00	Dewatering	May	2022	176.00	Excavate & Export	May	2022	16.24	Drive Foundation Piles	April	2019	62.17
Dewatering For Conduits				Excavate & Export	June	2022	5.52	Place Bedding	May	2022	0.50	Excavate & Stockpile	May	2022	30.14	Place Concrete Fill In Lpiles	June	2019	23.31
Used Deep Wells.	December	2021	14.50	Excavate & Stockpile	June	2022	5.52	Place Invert Concrete				Backfill	December	2022	44.20				
Sumps & Pumps	December	2021	14.50	Backfill	January	2023	3.80	Flow Meter Vault Concrete	September	2022	29.38	8 inch pipe							
Excavate & Haul Off Excess				Install & Remove Sheet Piles	June	2022	18.50	Place Wall Concrete				Stage & Handle 8' Pipe	June	2022	1.00				
Export 1 Mile	December	2021	106.25	Stage & Handle Pipe	June	2022	0.58	Flow Meter Vault Con	September	2022	38.21	Place Bedding	April	2022	0.76				
Excavate & Stockpile For Reuse as BF				Place Pipe	June	2022	25.00	Elevated Slab				Place Pipe	June	2022	13.60				
Excavate & Haul-Stockpile	December	2021	153.53	Weld Pipe	June	2022	25.00	Flow Meter Vault Concrete	January	2023	8.50	Weld Pipe	Nov	2022	11.00				
Pipe Procurement				Place Slurry Backfill	January	2023	37.59	Roof Falsework				Place Sand Backfill	December	2022	2.00				
Stage & Handle Pipe	December	2021	11.20	Weld Manifold Tie-Ins, 23'	Nov	2022	2.00	Roof Falsework	January	2023	4.62	16 inch pipe							
Place Pipe Bedding				Weld Small Tie-Ins, 8'	Nov	2022	5.00					Stage & Handle 16' Pipe	June	2022	1.16				
Place Bedding	December	2021	67.20	Weld Dished Heads, 23'	Nov	2022	5.00					Place Bedding	April	2022	9.33				
Set & Weld Pipe												Place Pipe. 16'	June	2022	46.56				
Place Pipe	December	2021	466.67									Weld Pipe	Nov	2022	201.25				
Weld Pipe	December	2021	466.67									Place Sand Backfill	December	2022	22.59				
Place Backfill Slurry												8' Electric Butterfly Valves	December	2022	20.00				
Place Sand In Pipe Zone	December	2021	164.50									Flex Couplings	December	2022	4.00				
Load, Haul, Compact BF From Stockpile	December	2021	230.30									Weld Manifold Tie-Ins	December	2022	0.04				
Regrade ROW												Weld Small Tie-Ins, 8'	December	2022	19.75				
Restore Area-Grade to Drain	March	2022	6.00									Weld Dished Heads, 16'	December	2022	17.50				
Air & Vacuum Release												16' Pipe Fittings	December	2022	105.00				
Air & Vacuum Release	March	2022	10.00																

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3

1 Table 22B-1e. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule

Pipelines																			
Pipeline E				Pipeline F				Pipeline G				Pipeline H				Surge Tower/Weir Structure			
	Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days
Valve Box Structure				Dewatering	October	2018	121.00	Dewatering	October	2017	121.00	Valve Box Structure				Dewatering	April	2020	60.00
Dewatering	February	2020	283.00	Excavate & Stockpile	September	2018	13.72	Excavate & Export	September	2017	21.59	Place Bedding	May	2022	3.00	Excavate & Export	April	2020	18.85
Place Bedding	February	2020	5.69	Backfill	February	2019	34.30	Excavate & Stockpile	September	2017	29.00	SOG Concrete				Excavate & Stockpile	April	2020	10.05
Flow Meter Vault Concrete	February	2020	294.92	Place Bedding	October	2018	17.00	Backfill	March	2018	58.00	Flow Meter Vault Concrete	July	2022	10.13	Backfill	April	2020	12.57
Place Wall Concrete	April	2021	149.63	SOG Concrete				Place Bedding	October	2017	4.00	Wall Concrete				Place Bedding	May	2020	3.00
Elevated Slab Concrete	April	2021	31.46	Flow Meter Vault Concrete	January	2019	582.25	Drive Foundation Piles	November	2017	46.00	Flow Meter Vault Concrete	August	2022	20.04	Drive Foundation Piles	May	2020	40.83
Roof Falsework	January	2021	15.31	Wall Concrete				Place Concrete Fill In Piles	December	2017	46.00	Place Roof Concrete				Place Concrete Fill In Piles	June	2020	12.25
Drive Foundation Piles	June	2020	62.17	Flow Meter Vault Concrete	May	2019	480.00	Invert Concrete				Flow Meter Vault Concrete	January	2023	2.08	Invert Concrete			
Place Concrete Fill In Piles	July	2020	23.31	Roof Falsework				Flow Meter Vault Concrete	January	2018	426.25	Roof Falsework	January	2023	1.54	Flow Meter Vault Concrete	July	2020	484.76
Pipelines				Roof Falsework	March	2019	45.10	Wall Concrete				Drive Foundation Piles	June	2022	4.33	Wall Concrete			
Excavate & Export	February	2020	10.33	Place Roof Concrete				Flow Meter Vault Concrete	January	2018	201.67	Pipelines				Flow Meter Vault Concrete	May	2021	205.96
Excavate & Stockpile	February	2020	12.61	Flow Meter Vault Concrete	March	2019	45.10	Rip Rap				Excavate & Export	May	2022	6.62				
Backfill	March	2020	18.50					Place Riprap	October	2017	6.00	Excavate & Stockpile	May	2022	11.97				
Stage & Handle Pipe	February	2020	1.85					Place Bedding	October	2017	6.00	Backfill	January	2023	17.56				
Place Bedding	March	2020	6.93					Place Fabric	October	2017	6.00	Stage & Handle Pipe	October	2022	1.00				
Place Pipe	February	2020	46.32									Place Bedding	May	2022	3.77				
Weld Pipe	March	2020	92.00									Place Pipe	October	2022	9.20				
Place Sand Backfill	June	2020	9.67									Weld Pipe	October	2022	20.00				
16 inch pipe												Place Sand Backfill	January	2023	5.26				
Stage & Handle 16' Pipe	February	2020	1.00									12 inch pipe							
Place Bedding	March	2020	0.40									Stage & Handle 12' Pipe	October	2022	1.00				
Place Pipe, 16'	February	2020	8.64									Place Bedding	May	2022	1.74				
Weld Pipe, 16'	March	2020	25.88									Place Pipe, 12'	October	2022	10.00				
Place Sand Backfill	March	2020	1.60									Weld Pipe, 12'	October	2022	21.25				
23 inch pipe												Place Sand Backfill	January	2023	2.56				
Stage & Handle 23' Pipe	February	2020	2.00									16 inch pipe							
Place Pipe, 23'	February	2020	22.96									Stage & Handle 16' Pipe	October	2022	1.00				
Weld Pipe, 23'	February	2020	146.63									Place Bedding	May	2022	7.92				
Place Backfill Slurry	June	2020	122.14									Place Pipe, 16'	October	2022	7.92				
Manifold Tie-Ins, 11'	April	2020	24.00									Weld Pipe, 16'	October	2022	35.00				
Manifold Tie-Ins, 23'	April	2020	4.00									Place Sand Backfill	January	2023	1.46				
Dished Heads, 16'	April	2020	4.00									22 inch pipe							
Dished Heads, 23'	April	2020	4.00									Stage & Handle 22' Pipe	October	2022	1.00				
Electric Butterfly Valves, 11'	April	2020	60.00									Place Bedding	May	2022	1.00				
Flex Couplings	April	2020	12.00									Place Pipe, 22'	October	2022	3.68				
												Weld Pipe, 22'	October	2022	25.50				
												Place Sand Backfill	January	2023	0.85				
												Install & Remove Sheet Piles	June	2022	110.22				
												Install & Remove Wales & Struts	October	2022	79.50				
												Manifold Tie-Ins, 11'	October	2022	6.00				
												Manifold Tie-Ins, 12'	October	2022	10.00				
												Manifold Tie-Ins, 33'	October	2022	6.00				
												Dished Heads, 16'	October	2022	4.00				
												11' Welds	October	2022	4.00				
												11' X 16' Increaser	October	2022	4.00				
												16' Welds	October	2022	26.25				
												16' X 22' Increaser	October	2022	12.00				
												22' Welds	October	2022	50.00				
												22' X 33' Increaser	October	2022	16.00				
												33' Welds	October	2022	36.00				
												11 Degree Bends, 33' Diameter	October	2022	20.00				
												Electric Butterfly Valves, 11'	October	2022	5.00				
												Flex Couplings	October	2022	1.00				

1 Table 22B-1f. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule

Tunnel															
REACH #1				REACH #2				REACH #3				REACH #4			
	Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days
Launch Shaft				Launch Shaft				Launch Shaft A				Launch Shaft A			
Excavate and Support Shaft	August	2017	16.00	Excavate and Support Shaft	July	2017	30.00	Excavate and Support Shaft	July	2017	30.00	Excavate and Support Shaft	July	2017	30.00
Invert work slab	October	2017	1.33	Invert work slab	October	2017	2.67	Invert work slab	October	2017	2.67	Invert work slab	September	2017	2.67
Shaft Rebar	December	2017	5.33	Shaft Invert & Wall Rebar	November	2017	7.33	Shaft Invert & Wall Rebar	December	2017	7.33	Shaft Invert & Wall Rebar	November	2017	7.33
Shaft invert pour	December	2017	1.33	Place invert slab	November	2017	1.00	Place invert slab	December	2017	1.00	Place invert slab	November	2017	1.00
Form Shaft Walls	January	2018	4.33	Form Shaft Walls	November	2017	6.00	Form Shaft Walls	January	2018	6.00	Form Shaft Walls	November	2017	6.00
Place Shaft Walls	January	2018	1.33	Place Shaft Walls	November	2017	2.00	Place Shaft Walls	January	2018	2.00	Place Shaft Walls	November	2017	2.00
Set & Weld Steel pipe Liner	January	2018	4.67	Clean Shaft Invert	November	2017	1.00	Clean Shaft Invert	January	2018	1.00	Clean Shaft Invert	November	2017	1.00
Concrete Backfill Pipe	January	2018	2.67	Shaft Tunnel Invert Pour	November	2017	0.67	Shaft Tunnel Invert Pour	January	2018	0.67	Shaft Tunnel Invert	November	2017	0.67
Controlled Density Fill	April	2018	3.67	Tunnel & Riser Rebar	November	2017	6.00	Tunnel & Riser Rebar	January	2018	6.00	Tunnel & Riser Rebar	November	2017	6.00
Intermediate Shaft				Tunnel & Riser Forms	November	2017	9.67	Tunnel & Riser Forms	January	2018	9.67	Tunnel & Riser Forms	January	2018	9.67
Form & Place Shaft Collar	January	2018	1.33	Place tunnel & Riser concrete	January	2018	1.67	Place tunnel & Riser concrete	January	2018	1.67	Place tunnel & Riser concrete	February	2018	1.67
Excavate and build tunnel / shaft collar	February	2018	3.00	Controlled Density Fill	February	2018	14.00	Controlled Density Fill	February	2018	14.00	Controlled Density Fill	March	2018	14.00
Install ladder / Vent & Cover	January	2018	0.67	Intermediate Shaft				Launch Shaft B				Launch Shaft B			
Backfill Shaft	January	2018	2.67	Form & Place Shaft Collar	November	2018	1.33	Excavate and Support Shaft	July	2017	30.00	Excavate and Support Shaft	July	2017	30.00
Retrieval Shaft				Excavate and build tunnel / shaft collar	October	2018	3.00	Invert work slab	October	2017	2.67	Invert work slab	November	2017	2.67
Excavate Retrieval Shafts	September	2018	8.00	Install ladder / Vent & Cover	November	2018	0.67	Shaft Invert & Wall Rebar	January	2018	7.33	Shaft Invert & Wall Rebar	January	2018	7.33
Invert prep	October	2018	0.67	Backfill Shaft	November	2018	2.67	Place Invert Slab	January	2018	1.00	Place invert slab	January	2018	1.00
Invert Rebar	October	2019	0.67	Retrieval Shaft				Form Shaft Walls	January	2018	6.00	Form Shaft Walls	January	2018	6.00
Place invert slab	February	2019	0.33	Excavate Retrieval Shafts	January	2019	8.00	Place Shaft Walls	January	2018	2.00	Place Shaft Walls	January	2018	2.00
Clean Shaft Invert	February	2019	0.33	Invert prep	February	2019	0.67	Clean Shaft Invert	January	2018	1.00	Clean Shaft Invert	January	2018	1.00
Elbow & Riser Forms	February	2019	8.67	Invert Rebar	February	2019	0.67	Shaft Tunnel Invert Pour	January	2018	0.67	Shaft Tunnel Invert Pour	January	2018	0.67
Elbow & Riser Rebar	February	2019	9.33	Place invert slab	May	2019	0.33	Tunnel & Riser Rebar	January	2018	6.00	Tunnel & Riser Rebar	January	2018	6.00
Place Elbow & Riser concrete	February	2019	2.33	Clean Shaft Invert	May	2019	0.33	Tunnel & Riser Forms	January	2018	9.67	Tunnel & Riser Forms	January	2018	9.67
Controlled Density Fill	February	2019	2.67	Elbow & Riser Forms	May	2019	8.67	Place tunnel & Riser concrete	February	2018	1.67	Place tunnel & Riser concrete	March	2018	1.67
Muck Disposal Shafts				Elbow & Riser Rebar	May	2019	9.33	Controlled Density Fill	March	2018	14.00	Controlled Density Fill	May	2018	14.00
Load & Haul excavated materials	February	2018	55.00	Place Elbow & Riser concrete	May	2019	2.33	Intermediate Shaft A				Intermediate Shaft A			
23' ID Tunnel 115+00 => 267+00 *				Controlled Density Fill	May	2019	2.67	Form & Place Shaft Collar	November	2018	1.33	Form & Place Shaft Collar	December	2018	1.33
Set Up For Tunnel Excavation	October	2019	6.00	Muck Disposal Shafts				Excavate and build tunnel / shaft collar	October	2018	3.00	Excavate and build tunnel / shaft collar	December	2018	3.00
TBM & Vertical Conv. Assy.	October	2019	76.00	Load & Haul excavated materials	June	2019	161.33	Install ladder / Vent & Cover	November	2018	0.67	Install ladder / Vent & Cover	December	2018	0.67
Mine 26' Tunnel	December	2019	390.33	33ft Tunnel				Backfill Shaft	November	2018	2.67	Backfill Shaft	December	2018	2.67
Tunnel Mining Surface Support	February	2020	503.00	Set Up For Tunnel Excavation	December	2018	6.00	Intermediate Shaft B				Intermediate Shaft B			
Sunday Maint.	September	2021	10.67	TBM & Vertical Conv. Assy.	December	2018	76.00	Form & Place Shaft Collar	November	2018	1.33	Form & Place Shaft Collar	November	2018	1.33
Remove TBM @ Launch Shaft	September	2021	1.67	Mine 37' Tunnel	March	2019	787.00	Excavate and build tunnel / shaft collar	October	2018	6.67	Excavate and build tunnel / shaft collar	November	2018	3.00
Grout	September	2021	38.00	Tunnel Mining Surface Support	April	2019	959.33	Tunnel / Shaft Collar	November	2018	3.00	Install ladder / Vent & Cover	November	2018	0.67
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	December	2021	33.00	Sunday Maint.	October	2021	21.67	Install ladder / Vent & Cover	November	2018	0.67	Backfill	December	2018	2.67
Final Lining over TBM Skin	September	2021	3.00	Remove TBM @ Retrieval Shaft	November	2021	8.67	Backfill	November	2018	2.67	Retrieving Shaft A			
Equip Op Cost 24/7	July	2021	611.00	Grout Leakage	October	2021	65.00	Retrieving Shaft A				Excavate Retrieval Shafts	May	2019	8.00
Muck Disposal Tunnel				Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	November	2021	52.00	Excavate Retrieval Shafts	March	2019	8.00	Invert prep	June	2019	0.67
Muck Disposal	November	2021	136.67	Equip Op Cost 24/7	December	2018	1093.00	Invert prep	April	2019	0.67	Invert Rebar	June	2019	0.67
				Launch Shaft				Invert Rebar	April	2019	0.67	Place invert slab	September	2019	0.33
				Muck Disposal	March	2022	262.33	Place invert slab	July	2019	0.33	Clean Shaft Invert	September	2019	1.00
								Clean Shaft Invert	July	2019	0.33	Elbow & Riser Forms	September	2019	1.46
								Elbow & Riser Forms	July	2019	8.67	Elbow & Riser Rebar	September	2019	4.00
								Elbow & Riser Rebar	July	2019	9.33	Place Elbow & Riser concrete	September	2019	1.00
								Place Elbow & Riser concrete	July	2019	2.33	Controlled Density Fill	September	2019	5.52
								Controlled Density Fill	July	2019	2.67				

Tunnel																	
REACH #1				REACH #2				REACH #3				REACH #4					
Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days			
								Retrieving Shaft B					Retrieving Shaft B				
								Excavate Retrieval Shafts	May	2019	8.00		Excavate Retrieval Shafts	May	2019	8.00	
								Invert prep	May	2019	0.67		Invert prep	June	2019	0.67	
								Invert Rebar	May	2019	0.67		Invert Rebar	June	2019	0.67	
								Place invert slab	September	2019	0.33		Place invert slab	September	2019	0.33	
								Clean Shaft Invert	September	2019	0.33		Clean Shaft Invert	September	2019	1.00	
								Elbow & Riser Forms	September	2019	8.67		Elbow & Riser Forms	September	2019	0.67	
								Elbow & Riser Rebar	September	2019	9.33		Elbow & Riser Rebar	September	2019	1.46	
								Place Elbow & Riser concrete	September	2019	2.33		Place Elbow & Riser concrete	September	2019	4.00	
								Controlled Density Fill	September	2019	2.67		Controlled Density Fill	September	2019	1.00	
								Muck Disposal Shafts					Muck Disposal Shafts				
								Load & Haul excavated materials	October	2019	322.67		Load & Haul excavated materials	July	2019	244.33	
								33 ft Tunnel A Reach #3					33 ft Tunnel A Reach #4				
								Set Up For Tunnel Excavation	January	2019	6.00		Set Up For Tunnel Excavation	July	2019	6.00	
								Mine 37' Tunnel	March	2019	799.00		TBM & Vertical Conv. Assy.	April	2019	83.00	
								Tunnel Mining Surface Support	May	2019	966.00		Mine 37' Tunnel	July	2019	1056.00	
								Sunday Maint	September	2021	22.00		Tunnel Mining Surface Support	July	2019	1274.00	
								TBM Removal @ Retrieval Shaft	October	2021	8.67		Sunday Maint	November	2022	29.33	
								Grout Leakage	October	2021	66.00		TBM Removal @ Retrieval Shaft	February	2023	2.00	
								Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	October	2021	52.00		Grout Leakage	November	2022	87.00	
								Equip Op Cost 24/7	January	2019	1130.33		Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	February	2023	70.00	
								33 ft Tunnel B reach #3					Equip Op Cost 24/7	April	2019	1452.33	
								Set Up For Tunnel Excavation	February	2019	6.00		33 ft Tunnel B Reach #4				
								TBM & Vertical Conv. Assy.	February	2019	83.00		Set Up For Tunnel Excavation	August	2019	6.00	
								Mine 37' Tunnel	March	2019	799.00		TBM & Vertical Conv. Assy.	August	2019	83.00	
								Tunnel Mining Surface Support	July	2019	966.00		Mine 37' Tunnel	November	2019	1056.00	
								Sunday Maint	January	2022	22.00		Tunnel Mining Surface Support	December	2019	1274.00	
								TBM Removal @ Retrieval Shaft	January	2022	8.67		Sunday Maint	March	2023	29.33	
								Grout Leakage	April	2022	66.00		TBM Removal @ Retrieval Shaft	May	2023	2.00	
								Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	January	2022	52.00		Grout Leakage	March	2023	87.00	
								Equip Op Cost 24/7	February	2019	1130.33		Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	May	2023	70.00	
								Muck Disposal Tunnels					Equip Op Cost 24/7	August	2019	1452.33	
								Muck Disposal	May	2022	266.33		Muck Disposal Tunnels	March	2019	342.00	
													Muck Disposal	March	2019	342.00	

\*(For the purposes of this cost estimate, a 23' ID tunnel was assumed. However, updated engineering documents specify that this tunnel would be built with an internal diameter of 29 feet, as noted in Appendix 3C.)

1 Table 22B-1g. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule

Tunnel															
REACH #5				REACH #6				REACH #7				REACH #8			
	Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days
Launch Shaft A				Launch Shaft A				Launch Shaft A				Launch Shaft A			
Excavate and Support Shaft	October	2017	30.00	Excavate and Support Shaft	December	2017	30.00	Excavate and Support Shaft	February	2018	30.00	Excavate and Support Shaft	January	2018	30.00
Invert work slab	January	2018	2.67	Invert work slab	October	2017	2.67	Invert work slab	December	2017	2.67	Invert work slab	October	2017	2.67
Shaft Invert & Wall Rebar	January	2018	7.33	Shaft Invert & Wall Rebar	January	2018	7.33	Shaft Invert & Wall Rebar	February	2018	7.33	Shaft Invert & Wall Rebar	January	2018	7.33
Place invert slab	January	2018	1.00	Place invert slab	January	2018	1.00	Place invert slab	February	2018	1.00	Place invert slab	January	2018	1.00
Form Shaft Walls	January	2018	6.00	Form Shaft Walls	January	2018	6.00	Form Shaft Walls	February	2018	6.00	Form Shaft Walls	January	2018	6.00
Place Shaft Walls	January	2018	2.00	Place Shaft Walls	January	2018	2.00	Place Shaft Walls	February	2018	2.00	Place Shaft Walls	January	2018	2.00
Clean Shaft Invert	January	2018	1.00	Clean Shaft Invert	January	2018	1.00	Clean Shaft Invert	February	2018	1.00	Clean Shaft Invert	January	2018	1.00
Shaft Tunnel Invert Pour	January	2018	0.67	Shaft Tunnel Invert Pour	January	2018	0.67	Shaft Tunnel Invert Pour	February	2018	0.67	Shaft Tunnel Invert Pour	January	2018	0.67
Tunnel & Riser Rebar	January	2018	6.00	Tunnel & Riser Rebar	January	2018	6.00	Tunnel & Riser Rebar	February	2018	6.00	Tunnel & Riser Rebar	January	2018	6.00
Tunnel & Riser Forms	January	2018	9.67	Tunnel & Riser Forms	January	2018	9.67	Tunnel & Riser Forms	February	2018	9.67	Tunnel & Riser Forms	January	2018	9.67
Place tunnel & Riser concrete	March	2018	1.67	Place tunnel & Riser concrete	March	2018	1.67	Place tunnel & Riser concrete	February	2018	1.67	Place tunnel & Riser concrete	March	2018	1.67
Controlled Density Fill	April	2018	14.00	Controlled Density Fill	April	2018	14.00	Controlled Density Fill/Backfill	April	2018	14.00	Controlled Density Fill	May	2018	14.00
Launch Shaft B				Launch Shaft B				Launch Shaft B				Launch Shaft B			
Excavate and Support Shaft	August	2017	30.00	Excavate and Support Shaft	February	2018	30.00	Excavate and Support Shaft	February	2018	30.00	Excavate and Support Shaft	February	2018	30.00
Invert work slab	November	2017	2.67	Invert work slab	December	2017	2.67	Invert work slab	December	2017	2.67	Invert work slab	November	2017	2.67
Shaft Invert & Wall Rebar	February	2018	7.33	Shaft Invert & Wall Rebar	February	2018	7.33	Shaft Invert & Wall Rebar	February	2018	7.33	Shaft Invert & Wall Rebar	February	2018	7.33
Place invert slab	February	2018	1.00	Place invert slab	February	2018	1.00	Place invert slab	February	2018	1.00	Place invert slab	February	2018	1.00
Form Shaft Walls	February	2018	6.00	Form Shaft Walls	February	2018	6.00	Form Shaft Walls	February	2018	6.00	Form Shaft Walls	February	2018	6.00
Place Shaft Walls	February	2018	2.00	Place Shaft Walls	February	2018	2.00	Place Shaft Walls	February	2018	2.00	Place Shaft Walls	February	2018	2.00
Clean Shaft Invert	February	2018	1.00	Clean Shaft Invert	February	2018	1.00	Clean Shaft Invert	February	2018	1.00	Clean Shaft Invert	February	2018	1.00
Tunnel & Riser Rebar	February	2018	6.00	Shaft Tunnel Invert Pour	February	2018	0.67	Shaft Tunnel Invert Pour	February	2018	0.67	Shaft Tunnel Invert Pour	February	2018	0.67
Tunnel & Riser Forms	February	2018	9.67	Tunnel & Riser Rebar	February	2018	6.00	Tunnel & Riser Rebar	February	2018	6.00	Tunnel & Riser Rebar	February	2018	6.00
Place tunnel & Riser concrete	April	2018	1.67	Tunnel & Riser Forms	February	2018	9.67	Tunnel & Riser Forms	February	2018	9.67	Tunnel & Riser Forms	February	2018	9.67
Controlled Density Fill	June	2018	14.00	Place tunnel & Riser concrete	April	2018	1.67	Place tunnel & Riser concrete	April	2018	1.67	Place tunnel & Riser concrete	April	2018	1.67
				Controlled Density Fill	June	2018	14.00	Controlled Density Fill	May	2018	14.00	Controlled Density Fill	May	2018	14.00
Intermediate Shaft A				Intermediate Shaft A				Intermediate Shaft A				Intermediate Shaft A			
Form & Place Shaft Collar	January	2019	1.33	Form & Place Shaft Collar	December	2018	1.33	Form & Place Shaft Collar	December	2018	1.33	Form & Place Shaft Collar	December	2018	1.33
Excavate and build tunnel / shaft collar	December	2018	3.00	Excavate and build tunnel / shaft collar	November	2018	3.00	Excavate and build tunnel / shaft collar	November	2018	3.00	Excavate and build tunnel / shaft collar	December	2018	3.00
Install ladder / Vent & Cover	January	2019	0.67	Install ladder / Vent & Cover	December	2018	0.67	Install ladder / Vent & Cover	December	2018	0.67	Install ladder / Vent & Cover	December	2018	0.67
Backfill Shaft	January	2019	2.67	Backfill Shaft	December	2018	2.67	Backfill Shaft	January	2019	2.67	Backfill Shaft	December	2019	2.67
Intermediate Shaft B				Intermediate Shaft B				Intermediate Shaft B				Intermediate Shaft B			
Form & Place Shaft Collar	March	2019	1.33	Form & Place Shaft Collar	March	2019	1.33	Form & Place Shaft Collar	February	2019	1.33	Form & Place Shaft Collar	February	2019	1.33
Excavate and build tunnel / shaft collar	February	2019	3.00	Excavate and build tunnel / shaft collar	February	2019	3.00	Excavate and build tunnel / shaft collar	January	2019	3.00	Excavate and build tunnel / shaft collar	February	2019	3.00
Install ladder / Vent & Cover	March	2019	0.67	Install ladder / Vent & Cover	March	2019	0.67	Install ladder / Vent & Cover	February	2019	0.67	Install ladder / Vent & Cover	February	2019	0.67
Backfill Shaft	March	2019	2.67	Backfill Shaft	March	2019	2.67	Backfill Shaft	February	2019	2.67	Backfill Shaft	February	2019	2.67
Retrieval Shaft A				Retrieval Shaft A				Retrieval Shaft A				Retrieval Shaft A			
Excavate Retrieval Shafts	August	2019	8.00	Excavate Retrieval Shafts	April	2019	1.67	Excavate Retrieval Shafts	September	2017	1.67	Excavate Retrieval Shafts	July	2019	8.00
Invert prep	June	2019	0.67	Invert prep	May	2019	5.00	Invert prep	October	2017	5.00	Invert prep	May	2019	0.67
Invert Rebar	June	2019	0.67	Invert Rebar	May	2019	5.00	Invert Rebar	October	2017	5.00	Invert Rebar	May	2019	0.67
Place invert slab	September	2019	0.33	Place invert slab	May	2019	8.00	Place invert slab	January	2018	8.00	Place invert slab	August	2019	0.33
Clean Shaft Invert	September	2019	1.00	Clean Shaft Invert	May	2019	8.00	Clean Shaft Invert	January	2018	8.00	Clean Shaft Invert	August	2019	0.33
Tunnel Rebar	September	2019	1.46												

Tunnel															
REACH #5				REACH #6				REACH #7				REACH #8			
	Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days		Start Month	Start Year	Days
Tunnel Forms	September	2019	4.00	Tunnel Forms	May	2019	8.00	Tunnel Forms	January	2018	8.00	Elbow & Riser Forms	August	2019	8.67
Place tunnel concrete	September	2019	1.00	Tunnel Rebar	May	2019	8.00	Tunnel Rebar	January	2018	8.00	Elbow & Riser Rebar	August	2019	9.33
Controlled Density Fill	September	2019	5.52	Place tunnel concrete	May	2019	8.00	Place tunnel concrete	January	2018	8.00	Place Elbow & Riser concrete	August	2019	2.33
Retrieval Shaft B				Controlled Density Fill	August	2019	8.00	Controlled Density Fill	January	2018	8.00	Controlled Density Fill	August	2019	2.67
Excavate Retrieval Shafts	September	2019	8.00	Retrieval Shaft B				Retrieval Shaft B				Retrieval Shaft B			
Invert prep	July	2019	0.67	Excavate Retrieval Shafts	June	2019	1.67	Excavate Retrieval Shafts	August	2017	1.67	Excavate Retrieval Shafts	August	2019	8.00
Invert Rebar	July	2019	0.67	Invert prep	August	2019	5.00	Invert prep	September	2017	5.00	Invert prep	June	2019	0.67
Place invert slab	October	2019	0.33	Invert Rebar	August	2019	5.00	Invert Rebar	September	2017	5.00	Invert Rebar	June	2019	0.67
Clean Shaft Invert	October	2019	1.00	Place invert slab	November	2019	8.00	Place invert slab	January	2018	8.00	Place invert slab	October	2019	0.33
Shaft Tunnel Invert Pour	October	2019	0.67	Clean Shaft Invert	November	2019	8.00	Clean Shaft Invert	January	2018	8.00	Clean Shaft Invert	October	2019	0.33
Tunnel & Riser Rebar	October	2019	1.46	Tunnel Forms	November	2019	8.00	Tunnel Forms	January	2018	8.00	Elbow & Riser Forms	October	2019	8.67
Tunnel Forms	October	2019	4.00	Tunnel Rebar	November	2019	8.00	Tunnel Rebar	January	2018	8.00	Elbow & Riser Rebar	October	2019	9.33
Place tunnel concrete	October	2019	1.00	Place tunnel concrete	November	2019	8.00	Place tunnel concrete	January	2018	8.00	Place Elbow & Riser concrete	October	2019	2.33
Controlled Density Fill	October	2019	5.52	Controlled Density Fill	November	2020	8.00	Controlled Density Fill	January	2018	8.00	Controlled Density Fill	October	2019	2.67
Muck Disposal Shafts												Muck Disposal Shafts			
Load & Haul excavated materials	November	2019	199.33	Muck Disposal Shafts				Muck Disposal Shafts				Load & Haul excavated materials	November	2019	153.33
33 ft Tunnel A Reach #5				Load & Haul excavated materials	November	2019	244.33	Load & Haul excavated materials	February	2018	244.33	33 ft Tunnel A Reach #8			
Set Up For Tunnel Excavation	February	2019	6.00	33 ft Tunnel A Reach #6				33 ft Tunnel A Reach #7				Set Up For Tunnel Excavation	August	2019	6.00
TBM & Vertical Conv. Assy.	February	2019	76.00	Set Up For Tunnel Excavation	May	2019	6.00	Set Up For Tunnel Excavation	February	2019	6.00	TBM & Vertical Conv. Assy.	August	2019	76.00
Mine 37' Tunnel	April	2019	981.00	TBM & Vertical Conv. Assy.	May	2019	76.00	TBM & Vertical Conv. Assy.	February	2019	76.00	Mine 37' Tunnel	September	2019	754.00
Tunnel Mining Surface Support	June	2019	1,192.00	Mine 37' Tunnel	July	2019	966.00	Mine 37' Tunnel	April	2019	950.00	Tunnel Mining Surface Support	December	2019	918.33
Sunday Maint	September	2022	27.00	Tunnel Mining Surface Support	September	2019	1177.00	Tunnel Mining Surface Support	June	2019	1,156.00	Sunday Maint	May	2022	21.00
TBM Removal @ Retrieval Shaft	September	2022	8.67	Sunday Maint	September	2022	26.67	Sunday Maint	May	2022	26.33	TBM Removal @ Retrieval Shaft	June	2022	8.67
Grout Leakage	August	2022	83.00	TBM Removal @ Retrieval Shaft	November	2022	8.67	TBM Removal @ Retrieval Shaft	August	2022	2.00	Grout Leakage	May	2022	62.00
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	September	2022	68.00	Grout Leakage	September	2022	83.00	Grout Leakage	May	2022	78.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	June	2022	49.00
Final Lining over TBM Skin	September	2022	4.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	November	2022	68.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	August	2022	62.00	Equip Op Cost 24/7	August	2019	1069.06
Equip Op Cost 24/7	February	2019	1500.00	Equip Op Cost 24/7	May	2019	1373.06	Final Lining over TBM Skin	July	2022	4.00	33 ft Tunnel B Reach #8			
33 ft Tunnel B Reach #5				33 ft Tunnel B Reach #6				Equip Op Cost 24/7	February	2019	13,48.33	Set Up For Tunnel Excavation	November	2019	6.00
Set Up For Tunnel Excavation	May	2019	6.00	Set Up For Tunnel Excavation	August	2019	6.00	33 ft Tunnel B Reach #7				TBM & Vertical Conv. Assy.	November	2019	76.00
TBM & Vertical Conv. Assy.	May	2019	76.00	TBM & Vertical Conv. Assy.	August	2019	76.00	Set Up For Tunnel Excavation	July	2019	6.00	Mine 37' Tunnel	January	2020	754.00
Mine 37' Tunnel	July	2019	981.00	Mine 37' Tunnel	October	2019	966.00	TBM & Vertical Conv. Assy.	July	2019	76.00	Tunnel Mining Surface Support	March	2020	918.33
Tunnel Mining Surface Support	September	2019	1,192.00	Tunnel Mining Surface Support	December	2019	1177.00	Mine 37' Tunnel	October	2019	950.00	Sunday Maint	August	2022	21.00
Sunday Maint	November	2022	27.33	Sunday Maint	January	2023	26.67	Tunnel Mining Surface Support	December	2019	1,156.00	TBM Removal @ Retrieval Shaft	September	2022	8.67
TBM Removal @ Retrieval Shaft	January	2023	8.67	TBM Removal @ Retrieval Shaft	January	2023	8.67	Sunday Maint	December	2022	26.33	Grout Leakage	August	2022	62.00
Grout Leakage	November	2022	83.00	Grout Leakage	January	2023	83.00	TBM Removal @ Retrieval Shaft	February	2023	2.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	September	2022	49.00
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	January	2023	68.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	January	2023	68.00	Grout Leakage	December	2022	78.00	Equip Op Cost 24/7	November	2019	356.33
Final Lining over TBM Skin	January	2023	4.00	Equip Op Cost 24/7	August	2019	1373.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	February	2023	66.93	Muck Disposal Tunnels			
Equip Op Cost 24/7	May	2019	1,500.00	Muck Disposal Tunnels				Final Lining over TBM Skin	April	2023	4.00	Muck Disposal	November	2019	251.30
Muck Disposal Tunnels				Muck Disposal	May	2023	322.00	Equip Op Cost 24/7	July	2019	1,348.33				
Muck Disposal	April	2023	327.00					Muck Disposal Tunnels							
								Muck Disposal	April	2023	316.67				

1 **Table 22B-1h. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

<b>Utilities</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Temporary Power SMAQMD (12 kV)	February	2016	92.00
Temporary Power SMAQMD (69 kV)	February	2016	302.00
Temporary Power SJVAPCD (12 kV)	November	2016	123.00
Temporary Power SJVAPCD (69 kV)	November	2016	193.00
Temporary Power BAAQMD (12 kV)	February	2017	22.00
Temporary Power BAAQMD (69 kV)	February	2017	92.00
Permanent Power SMAQMD (69 kV)	September	2016	30.00
Permanent Power SMAQMD (230 kV)	September	2016	894.00
Permanent Power SJVAPCD (230 kV)	March	2018	1,700.00
Permanent Power BAAQMD (230 kV)	May	2017	1,266.00

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1 **Table 22B-1i. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

<b>Forebays</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Intermediate Forebay			
Dewater Forebay Excavation			
Excavate Trenches	July	2017	748.13
Operate Pumps	July	2017	466.67
Pump Install & Maintain	July	2017	748.13
Construct/Remove Sedimentation Ponds	June	2017	80.00
Remove Unsuitable			
Excavate, Haul Off Unsuitable	July	2017	160.94
Excavate, Stockpile A	July	2017	526.23
Excavate, Stockpile B	July	2017	1,052.45
Cut/Fill - Build Levees			
Cut/Fill - Build Levees	December	2017	56.67
Cut/Fill - Inside Forebay	December	2017	600.00
Moisture Condition Suitable Soil			
Construct Drying Beds	December	2017	13.33
Load And Haul To Levee	December	2017	171.43
Slope Finish	July	2019	78.84
Bottom Finish	July	2019	201.28
Levee Top Finish	July	2019	20.44
Slope Protection			
Place Rip Rap	July	2017	437.35
Place Bedding Material	July	2017	31.25
Place Fabric	July	2017	211.46
SWPPP	July	2017	300.00
Maintenance Roads			
Asphalt Concrete	February	2016	7.00
Spillway			
Concrete Stilling Basin			
Stilling Basin Concrete	May	2018	87.50
Headwall Concrete			
Headwall Concrete	May	2018	12.50
Bridge Replaces Microtunnel	May	2018	60.00
Bypass			
Bypass Inlet Structure			
Excavate and Stockpile	December	2019	6.53
Place Gravel Bedding	December	2019	0.32
Drive Foundation Piles	January	2020	38.83
Place Concrete Fill In Piles	February	2020	14.56
Bypass Slab On Grade			
Bypass SOG	February	2020	185.83
Wall Concrete			

<b>Forebays</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Bypass Wall Concrete	March	2020	345.96
Place Roof Concrete			
Roof Concrete	June	2020	26.67
Roof Falsework			
Roof Falsework	June	2020	11.42
Load/Haul/Compact Backfill from Stockpile	July	2020	9.58
Bypass Piping			
Excavate and Export	November	2020	12.35
Install and Remove Sheet Piles	November	2020	28.88
Install and Remove Wales and Struts	November	2020	21.00
Stage and Handle Pipe	December	2020	1.21
Place Pipe (26")	December	2020	50.40
Weld Pipe (26' - 1" Thick)	January	2021	50.40
Place Backfill Slurry	February	2021	47.88
Load/Haul/Compact Backfill from Stockpile	March	2021	4.91
Flex Couplings	March	2021	12.00
Air Valves	March	2021	12.00
<b>Byron Tract Forebay (Clifton Court)</b>			
Dewatering			
Excavate Trenches	February	2019	641.25
Operate Pumps	February	2019	400.00
Pump Install & Maintain	February	2019	300.00
Construct/Remove Sedimentation Ponds	February	2019	66.67
Remove Unsuitable-Export			
Excavate & Haul Off Unsuitable	February	2019	1,063.85
Cut/Fill-Build Levees			
Scraper Cut/Fill	March	2019	396.93
Slope Finish	March	2019	86.00
Bottom Finish	March	2019	147.35
Levee Top Finish	March	2019	21.39
Export Suitable			
Load & Haul	February	2019	593.02
Slope Protection			
Place Rip Rap	January	2019	315.58
Place Bedding Material	January	2019	26.53
Place Fabric	January	2019	167.13
SWPPP	January	2019	500.00
Primary Maintenance Road			
Asphalt Concrete	February	2016	7.00

1 **Table 22B-1j. Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment) Construction Schedule**

<b>Control Structures</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Forebay Outlet 1 Inline Control Structure			
Upstream and Downstream Transitions			
Excavation/Grading	December	2019	16.16
Place Gravel Bedding	December	2019	0.77
Excavate To Export	December	2019	90.96
Place Invert Slab Concrete			
Plant & Operations	December	2019	15.00
Placing Crews	December	2019	13.55
Finish	December	2019	62.07
Point & Patch	February	2020	4.58
Treat CJ	February	2020	6.22
Cure & Cleanup	February	2020	98.44
Formwork	May	2020	17.60
Place Wall Concrete			
Plant & Operations	December	2019	30.00
Placing Crews	December	2019	19.64
Point & Patch	December	2019	4.58
Cure & Cleanup	January	2020	3.66
Formwork	January	2020	132.11
Backfill	January	2020	10.00
Upstream and Downstream Control Structures			
Excavation/Grading	February	2024	1.58
Place Gravel Bedding	February	2024	0.18
Drive Foundation Piles	February	2024	18.33
Place Invert Slab Concrete			
Placing Crews	February	2024	4.54
Finish	February	2024	0.52
Point & Patch	February	2024	0.94
Treat CJ	February	2024	1.13
Cure & Cleanup	February	2024	2.73
Formwork	February	2024	5.89
Place Wall Concrete			
Placing Crews	February	2024	7.18
Point & Patch	February	2024	10.56
Cure & Cleanup	February	2024	13.73
Formwork	March	2024	65.99
Backfill	May	2024	10.00
Forebay Outlet 2 Inline Control Structure			
Upstream and Downstream Transitions			
Excavation/Grading	February	2019	24.67
Place Gravel Bedding	February	2019	0.91

<b>Control Structures</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Excavate To Export	February	2019	90.96
Place Invert Slab Concrete			
Plant & Operations	February	2019	15.00
Placing Crews	February	2019	13.55
Finish	February	2019	62.07
Point & Patch	April	2019	4.58
Treat CJ	April	2019	6.22
Cure & Cleanup	April	2019	98.44
Formwork	July	2019	17.60
Place Wall Concrete			
Plant & Operations	July	2019	30.00
Placing Crews	July	2019	19.64
Point & Patch	July	2019	4.58
Cure & Cleanup	July	2019	3.66
Formwork	July	2019	132.11
Backfill	November	2019	47.46
Upstream and Downstream Control Structures			
Install / Remove Sheetpile Cutoff In River	February	2024	195.00
Excavation/Grading	February	2024	2.42
Place Gravel Bedding	February	2024	0.08
Drive Foundation Piles	February	2024	18.33
Place Invert Slab Concrete			
Placing Crews	February	2024	4.54
Finish	February	2024	0.52
Point & Patch	February	2024	0.94
Treat CJ	February	2024	1.13
Cure & Cleanup	February	2024	2.73
Formwork	February	2024	5.89
Place Wall Concrete			
Placing Crews	February	2024	7.18
Point & Patch	February	2024	10.56
Cure & Cleanup	February	2024	13.73
Formwork	February	2024	65.99
Backfill	April	2024	10.00
California Aqueduct Inline Control Structure			
Upstream and Downstream Transitions			
Dewatering	February	2024	121.00
Excavation/Grading	February	2024	24.67
Place Gravel Bedding	February	2024	0.91
Place Invert Slab Concrete			
Plant & Operations	February	2024	15.00
Placing Crews	February	2024	13.55

<b>Control Structures</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Finish	February	2024	62.07
Point & Patch	March	2024	4.58
Treat CJ	March	2024	6.22
Cure & Cleanup	March	2024	98.44
Formwork	June	2024	17.60
Place Wall Concrete			
Plant & Operations	June	2024	30.00
Placing Crews	June	2024	19.64
Point & Patch	June	2024	4.58
Cure & Cleanup	June	2024	3.66
Formwork	July	2024	132.11
Backfill	November	2024	47.46
Upstream and Downstream Control Structures			
Install / Remove Sheetpile Cutoff In River	February	2024	195.00
Excavation/Grading	August	2024	2.42
Place Gravel Bedding	August	2024	0.08
Drive Foundation Piles	August	2024	18.33
Place Invert Slab Concrete			
Plant & Operations	August	2024	1.68
Placing Crews	August	2024	4.54
Finish	August	2024	0.52
Point & Patch	August	2024	0.94
Treat CJ	August	2024	1.13
Cure & Cleanup	August	2024	2.73
Formwork	August	2024	5.89
Place Wall Concrete			
Plant & Operations	August	2024	1.61
Placing Crews	August	2024	7.18
Point & Patch	August	2024	10.56
Cure & Cleanup	August	2024	13.73
Formwork	September	2024	65.99
Backfill Shaft	November	2024	10.00
Delta Mendota Inline Control Structure			
Upstream and Downstream Transitions			
Dewatering	February	2024	121.00
Excavation/Grading	February	2024	2.42
Place Gravel Bedding	February	2024	0.91
Place Invert Slab Concrete			
Plant & Operations	February	2024	15.00
Placing Crews	February	2024	13.55
Finish	February	2024	62.07
Point & Patch	April	2024	4.58

<b>Control Structures</b>	<b>Start Month</b>	<b>Start Year</b>	<b>Days</b>
Treat CJ	April	2024	6.22
Cure & Cleanup	April	2024	98.44
Formwork	July	2024	17.60
Place Wall Concrete			
Plant & Operations	July	2024	15.00
Placing Crews	July	2024	19.64
Point & Patch	July	2024	4.58
Cure & Cleanup	July	2024	3.66
Formwork	July	2024	132.11
Backfill Shaft	September	2024	101.29
<b>Upstream and Downstream Control Structures</b>			
Install / Remove Sheetpile Cutoff In River	February	2024	195.00
Excavation/Grading	August	2024	2.42
Place Gravel Bedding	August	2024	0.08
Drive Foundation Piles	August	2024	18.33
Place Invert Slab Concrete			
Plant & Operations	August	2024	1.68
Placing Crews	August	2024	4.52
Finish	August	2024	0.52
Point & Patch	August	2024	0.94
Treat CJ	August	2024	1.12
Cure & Cleanup	August	2024	2.75
Formwork	August	2024	5.86
Place Wall Concrete			
Plant & Operations	August	2024	1.61
Placing Crews	August	2024	7.18
Point & Patch	August	2024	10.56
Cure & Cleanup	August	2024	13.73
Formwork	September	2024	65.99
Backfill	November	2024	10.00
<b>Head of Old River Barrier *</b>			
Phase 1	January	2022	290
Phase 2	November	2022	390
Phase 3	December	2023	120

\* Barrier only included for Alternative 2A

1 **Table 22B-2. Alternatives 1B, 2B, and 6B (East Alignment) Construction Schedule**

Phase	Start Month	Start Year	Days
<b>Intake 1</b>			
Clear & Grub/Demolition	February	2015	1.00
Construct Detour Road			
Dewater	April	2015	6.00
Overexc/Recompact	April	2015	6.00
Import/Place Fill	April	2015	6.00
Base & Paving	April	2015	6.00
Stripe & Sign	April	2015	1.00
Const B/U Levee/Widen Levee Top Access			
Dewater	April	2015	6.00
Overexc/Recompact	April	2015	6.00
Import & Place Fill	April	2015	6.00
Asphalt Concrete F/Road	April	2015	6.00
Stripe & Sign	April	2015	1.00
Construct Sheetpile Cofferdam			
Install & Remove Sheet Piles			
Drive Sheet Piles, PZ40	November	2015	50.67
Cutoff & Remove Sheetpiles	December	2015	12.67
Install & Remove Wales & Struts			
Install Wales & Struts	February	2017	5.42
Cutoff & Remove Sheetpiles	February	2017	1.45
Excavate Cell			
Clamshell Excavation	September	2016	37.17
Unload Barge & Export	October	2016	14.30
Drive Foundation Piles			
Provide Piles			
Purchase Piles, 24" X 90'	November	2016	16.88
Weld Bottom Closure & Joint	November	2016	33.75
Drive Piles			
Drive Foundation Piles	December	2016	45.00
Place Tremie Plug			
Unwater Cell	January	2017	2.00
Place Concrete	January	2017	6.18
Microtunnel Intake Conduits			
Set Pipe forms & Bulkhead	February	2017	15.00
Equip Intake for Jacking	March	2017	7.00
Set TBM & Jacking Frame	April	2017	36.00
Jack Pipe inplace	August	2017	120.00
Remove TBM & Haul to Pier	August	2017	15.00
Grouting			
Pump Anular Grout	September	2017	24.00
Clean Pipe	October	2017	12.00
Muck Disposal			
Muck Disposal	November	2017	82.00
Place Concrete Hopper			
Place Concrete			
Plant & Operations	July	2017	101.28
Placing Crew	July	2017	57.78
Point & Patch	August	2017	6.16
Treat CJ	September	2017	59.88

Phase	Start Month	Start Year	Days
Cure & Cleanup	October	2017	16.90
Formwork	October	2017	92.18
Construct Walls & Deck			
Outside Walls Concrete			
Plant & Operations	October	2017	15.45
Placing Crew	October	2017	7.05
Point & Patch	October	2017	28.38
Treat CJ	November	2017	7.89
Cure & Cleanup	November	2017	33.12
Formwork	December	2017	132.38
Falsework Up/Down For Roof	August	2018	42.25
Slab Concrete			
Plant & Operations	January	2018	4.27
Placing Crew	January	2018	1.30
Finish	January	2018	5.84
Point & Patch	January	2018	7.15
Treat CJ	January	2018	1.27
Cure & Cleanup	January	2018	6.95
Formwork	January	2018	37.25
Bridge	February	2018	60.00
Rip Rap			
Place Rip Rap	February	2015	5.83
Place Bedding Material	February	2015	1.25
Place Fabric	February	2015	2.83
Barge Unloading Facility			
Construct Barge Unloading Facility	January	2017	21.00
Remove Barge Unloading Facility	October	2018	21.00
Cleanup, Demobe	June	2018	5.00
<b>Intake 2</b>			
Clear & Grub/Demolition	February	2016	1.00
Construct Detour Road			
Dewater	March	2016	6.00
Overexc/Recompact	March	2016	6.00
Import/Place Fill	March	2016	6.00
Base & Paving	March	2016	6.00
Stripe & Sign	March	2016	1.00
Const B/U Levee/Widen Levee Top Access			
Dewater	March	2016	6.00
Overexc/Recompact	March	2016	6.00
Import & Place Fill	April	2016	6.00
Asphalt Concrete F/Road	May	2016	6.00
Stripe & Sign	May	2016	1.00
Construct Sheetpile Cofferdam			
Install & Remove Sheet Piles			
Drive Sheet Piles, PZ40	September	2016	50.67
Cutoff & Remove Sheetpiles	October	2016	12.67
Install & Remove Wales & Struts			
Install Wales & Struts	December	2017	5.42
Cutoff & Remove Sheetpiles	December	2017	1.45
Excavate Cell			
Clamshell Excavation	September	2017	37.17

Phase	Start Month	Start Year	Days
Unload Barge & Export	October	2017	14.30
Drive Foundation Piles			
Provide Piles			
Purchase Piles, 24" X 90'	November	2017	16.88
Weld Bottom Closure & Joint	November	2017	33.75
Drive Piles			
Drive Foundation Piles	December	2017	45.00
Place Tremie Plug			
Unwater Cell	January	2018	2.00
Place Concrete	January	2018	6.18
Microtunnel Intake Conduits			
Set Pipe forms & Bulkhead	March	2018	15.00
Equip Intake for Jacking	April	2018	7.00
Set TBM & Jacking Frame	May	2018	36.00
Jack Pipe inplace	September	2018	120.00
Remove TBM & Haul to Pier	September	2018	15.00
Grouting			
Pump Anular Grout	October	2018	24.00
Clean Pipe	November	2018	12.00
Muck Disposal			
Muck Disposal	December	2018	82.00
Place Concrete Hopper			
Place Concrete			
Plant & Operations	July	2018	101.28
Placing Crew	July	2018	57.78
Point & Patch	August	2018	6.16
Treat CJ	September	2018	59.88
Cure & Cleanup	October	2018	16.90
Formwork	October	2018	92.18
Construct Walls & Deck			
Outside Walls Concrete			
Plant & Operations	October	2018	15.45
Placing Crew	October	2018	7.05
Point & Patch	October	2018	28.38
Treat CJ	November	2018	7.89
Cure & Cleanup	November	2018	33.12
Formwork	December	2018	132.38
Falsework Up/Down For Roof	August	2019	42.25
Slab Concrete			
Plant & Operations	January	2019	4.27
Placing Crew	January	2019	1.30
Finish	January	2019	5.84
Point & Patch	January	2019	7.15
Treat CJ	January	2019	1.27
Cure & Cleanup	January	2019	6.95
Formwork	January	2019	37.25
Bridge	February	2019	60.00
Rip Rap			
Place Rip Rap	February	2016	5.83
Place Bedding Material	February	2016	1.25
Place Fabric	February	2016	2.83

Phase	Start Month	Start Year	Days
Barge Unloading Facility			
Construct Barge Unloading Facility	January	2018	21.00
Remove Barge Unloading Facility	November	2019	21.00
Cleanup, Demobe	November	2019	5.00
<b>Intake 3</b>			
Clear & Grub/Demolition	March	2015	1.00
Construct Detour Road			
Dewater	April	2015	6.00
Overexc/Recompact	December	2015	6.00
Import/Place Fill	December	2015	6.00
Base & Paving	December	2015	6.00
Stripe & Sign	December	2015	1.00
Const B/U Levee/Widen Levee Top Access			
Dewater	March	2016	6.00
Overexc/Recompact	March	2016	6.00
Import & Place Fill	April	2016	6.00
Asphalt Concrete F/Road	May	2016	6.00
Stripe & Sign	May	2016	1.00
Construct Sheetpile Cofferdam			
Install & Remove Sheet Piles			
Drive Sheet Piles, PZ40	June	2016	50.67
Cutoff & Remove Sheetpiles	July	2016	12.67
Install & Remove Wales & Struts			
Install Wales & Struts	February	2017	5.42
Cutoff & Remove Sheetpiles	February	2017	1.45
Excavate Cell			
Clamshell Excavation	November	2016	37.17
Unload Barge & Export	December	2016	14.30
Drive Foundation Piles			
Provide Piles			
Purchase Piles, 24" X 90'	November	2016	16.88
Weld Bottom Closure & Joint	November	2016	33.75
Drive Piles			
Drive Foundation Piles	December	2016	45.00
Place Tremie Plug			
Unwater Cell	January	2017	2.00
Place Concrete	January	2017	6.18
Microtunnel Intake Conduits			
Set Pipe forms & Bulkhead	March	2017	15.00
Equip Intake for Jacking	April	2017	7.00
Set TBM & Jacking Frame	May	2017	36.00
Jack Pipe inplace	September	2017	120.00
Remove TBM & Haul to Pier	September	2017	15.00
Grouting			
Pump Anular Grout	October	2017	24.00
Clean Pipe	November	2017	12.00
Muck Disposal			
Muck Disposal	December	2017	82.00
Place Concrete Hopper			
Place Concrete			
Plant & Operations	July	2017	101.28

Phase	Start Month	Start Year	Days
Placing Crew	July	2017	57.78
Point & Patch	August	2017	6.16
Treat CJ	September	2017	59.88
Cure & Cleanup	October	2017	16.90
Formwork	October	2017	92.18
Construct Walls & Deck			
Outside Walls Concrete			
Plant & Operations	November	2017	15.45
Placing Crew	November	2017	7.05
Point & Patch	November	2017	28.38
Treat CJ	December	2017	7.89
Cure & Cleanup	December	2017	33.12
Formwork	January	2018	132.38
Falsework Up/Down For Roof	August	2019	42.25
Slab Concrete			
Plant & Operations	January	2018	4.27
Placing Crew	January	2018	1.30
Finish	January	2018	5.84
Point & Patch	January	2018	7.15
Treat CJ	January	2018	1.27
Cure & Cleanup	January	2018	6.95
Formwork	January	2018	37.25
Bridge	February	2018	60.00
Rip Rap			
Place Rip Rap	March	2015	5.83
Place Bedding Material	March	2015	1.25
Place Fabric	March	2015	2.83
Barge Unloading Facility			
Construct Barge Unloading Facility	February	2018	21.00
Remove Barge Unloading Facility	December	2018	21.00
Cleanup, Demobe	December	2018	5.00
<b>Intake 4</b>			
Clear & Grub/Demolition	April	2016	1.00
Construct Detour Road			
Dewater	May	2016	6.00
Overexc/Recompact	May	2016	6.00
Import/Place Fill	May	2016	6.00
Base & Paving	May	2016	6.00
Stripe & Sign	May	2016	1.00
Const B/U Levee/Widen Levee Top Access			
Dewater	May	2016	6.00
Overexc/Recompact	May	2016	6.00
Import & Place Fill	June	2016	6.00
Asphalt Concrete F/Road	July	2016	6.00
Stripe & Sign	July	2016	1.00
Construct Sheetpile Cofferdam			
Install & Remove Sheet Piles			
Drive Sheet Piles, PZ40	May	2017	50.67
Cutoff & Remove Sheetpiles	June	2018	12.67
Install & Remove Wales & Struts			
Install Wales & Struts	January	2018	5.42

Phase	Start Month	Start Year	Days
Cutoff & Remove Sheetpiles	January	2018	1.45
Excavate Cell			
Clamshell Excavation	October	2017	37.17
Unload Barge & Export	November	2019	14.30
Drive Foundation Piles			
Provide Piles			
Purchase Piles, 24" X 90'	October	2017	16.88
Weld Bottom Closure & Joint	October	2017	33.75
Drive Piles			
Drive Foundation Piles	November	2017	45.00
Place Tremie Plug			
Unwater Cell	January	2017	2.00
Place Concrete	January	2017	6.18
Microtunnel Intake Conduits			
Set Pipe forms & Bulkhead	February	2018	15.00
Equip Intake for Jacking	March	2018	7.00
Set TBM & Jacking Frame	April	2018	36.00
Jack Pipe inplace	August	2018	120.00
Remove TBM & Haul to Pier	August	2018	15.00
Grouting			
Pump Anular Grout	September	2018	24.00
Clean Pipe	October	2018	12.00
Muck Disposal			
Muck Disposal	November	2018	82.00
Place Concrete Hopper			
Place Concrete			
Plant & Operations	July	2018	101.28
Placing Crew	July	2018	57.78
Point & Patch	August	2018	6.16
Treat CJ	September	2018	59.88
Cure & Cleanup	October	2018	16.90
Formwork	October	2018	92.18
Construct Walls & Deck			
Outside Walls Concrete			
Plant & Operations	October	2018	15.45
Placing Crew	October	2018	7.05
Point & Patch	October	2018	28.38
Treat CJ	January	2018	7.89
Cure & Cleanup	January	2018	33.12
Formwork	December	2018	132.38
Falsework Up/Down For Roof	September	2019	42.25
Slab Concrete			
Plant & Operations	February	2019	4.27
Placing Crew	February	2019	1.30
Finish	February	2019	5.84
Point & Patch	February	2019	7.15
Treat CJ	February	2019	1.27
Cure & Cleanup	February	2019	6.95
Formwork	February	2019	37.25
Bridge	January	2019	60.00
Rip Rap			

Phase	Start Month	Start Year	Days
Place Rip Rap	April	2016	5.83
Place Bedding Material	April	2016	1.25
Place Fabric	April	2016	2.83
Barge Unloading Facility			
Construct Barge Unloading Facility	January	2018	21.00
Remove Barge Unloading Facility	November	2019	21.00
Cleanup, Demobe	November	2019	5.00
<b>Intake 5</b>			
Clear & Grub/Demolition	May	2015	1.00
Construct Detour Road			
Dewater	June	2015	6.00
Overexc/Recompact	June	2015	6.00
Import/Place Fill	June	2015	6.00
Base & Paving	June	2015	6.00
Stripe & Sign	June	2015	1.00
Const B/U Levee/Widen Levee Top Access			
Dewater	June	2015	6.00
Overexc/Recompact	June	2015	6.00
Import & Place Fill	July	2015	6.00
Asphalt Concrete F/Road	August	2015	6.00
Stripe & Sign	August	2015	1.00
Construct Sheetpile Cofferdam			
Install & Remove Sheet Piles			
Drive Sheet Piles, PZ40	May	2016	50.67
Cutoff & Remove Sheetpiles	June	2016	12.67
Install & Remove Wales & Struts			
Install Wales & Struts	January	2017	5.42
Cutoff & Remove Sheetpiles	January	2017	1.45
Excavate Cell			
Clamshell Excavation	October	2016	37.17
Unload Barge & Export	November	2016	14.30
Drive Foundation Piles			
Provide Piles			
Purchase Piles, 24" X 90'	November	2016	16.88
Weld Bottom Closure & Joint	November	2016	33.75
Drive Piles			
Drive Foundation Piles	December	2016	45.00
Place Tremie Plug			
Unwater Cell	December	2017	2.00
Place Concrete	December	2017	6.18
Microtunnel Intake Conduits			
Set Pipe forms & Bulkhead	April	2017	15.00
Equip Intake for Jacking	May	2017	7.00
Set TBM & Jacking Frame	June	2017	36.00
Jack Pipe inplace	October	2017	120.00
Remove TBM & Haul to Pier	October	2017	15.00
Grouting			
Pump Anular Grout	November	2017	24.00
Clean Pipe	December	2017	12.00
Muck Disposal			
Muck Disposal	January	2018	82.00

Phase	Start Month	Start Year	Days
Place Concrete Hopper			
Place Concrete			
Plant & Operations	July	2017	101.28
Placing Crew	July	2017	57.78
Point & Patch	August	2017	6.16
Treat CJ	September	2017	59.88
Cure & Cleanup	October	2017	16.90
Formwork	October	2017	92.18
Construct Walls & Deck			
Outside Walls Concrete			
Plant & Operations	October	2017	15.45
Placing Crew	October	2017	7.05
Point & Patch	October	2017	28.38
Treat CJ	November	2017	7.89
Cure & Cleanup	November	2017	33.12
Formwork	December	2017	132.38
Falsework Up/Down For Roof	August	2018	42.25
Slab Concrete			
Plant & Operations	January	2018	4.27
Placing Crew	January	2018	1.30
Finish	January	2018	5.84
Point & Patch	January	2018	7.15
Treat CJ	January	2018	1.27
Cure & Cleanup	January	2018	6.95
Formwork	January	2018	37.25
Bridge	February	2018	60.00
Rip Rap			
Place Rip Rap	May	2015	5.83
Place Bedding Material	May	2015	1.25
Place Fabric	May	2015	2.83
Barge Unloading Facility			
Construct Barge Unloading Facility	March	2017	21.00
Remove Barge Unloading Facility	July	2018	21.00
Cleanup, Demobe	July	2018	5.00
<b>Pumping Plant 1</b>			
Clearing/Grubbing			
Clearing/Grubbing	February	2015	5.00
Dewatering	February	2015	434.00
Excavation & Backfill			
Excavation & Haul To Waste	March	2015	82.53
Excavation & Stockpile	July	2016	44.37
Place Stockpiled Material As Backfill	July	2016	28.26
Import & Place Material	July	2016	190.14
Sedimentation Basin			
Place Gavel Bedding	February	2015	5.20
Drive Foundation Piles	May	2015	118.00
Place Concrete Fill In Piles	December	2015	42.46
Sedimentation SOG & Solids Lagoons			
Plant & Operations	November	2015	66.41
Placing Crews	November	2015	26.20
Point & Patch	November	2015	5.97

Phase	Start Month	Start Year	Days
Treat CJ	December	2015	10.75
Cure & Cleanup	December	2015	115.00
Formwork	March	2016	37.37
Sedimentation Wall Concrete			
Plant & Operations	June	2016	140.00
Placing Crews	June	2016	27.41
Finish	June	2016	1.68
Point & Patch	July	2016	72.31
Treat CJ	September	2016	4.85
Cure & Cleanup	September	2016	451.95
Sedimentation Basin Roof Concrete			
Placing Crews	January	2017	2.23
Finish	January	2017	1.40
Point & Patch	January	2017	2.31
Cure & Cleanup	January	2017	12.00
Formwork	January	2017	14.42
Roof Falsework	February	2017	46.68
Hanging & Baffle Wall Concrete			
Plant & Operations	June	2015	9.05
Finish	June	2015	0.47
Point & Patch	June	2015	14.88
Treat CJ	June	2015	1.60
Cure & Cleanup	June	2015	20.78
Formwork	July	2015	93.00
Hanging Wall Falsework	October	2015	0.58
Pump House			
Place Gravel Bedding	April	2015	2.18
Drive Foundation Piles	July	2015	71.33
Place Concrete Fill On Piles	October	2015	25.65
Slab On Grade Concrete			
Plant & Operations	September	2015	50.00
Placing Crews	September	2015	20.19
Finish	September	2015	15.40
Point & Patch	October	2015	0.85
Treat CJ	October	2015	6.77
Cure & Cleanup	October	2015	28.70
Formwork	November	2015	5.29
Pump House Wall Concrete			
Plant & Operations	November	2015	100.00
Placing Crews	November	2015	32.96
Finish	December	2015	3.45
Point & Patch	December	2015	80.32
Treat CJ	February	2016	6.77
Cure & Cleanup	February	2016	113.99
Formwork	June	2016	502.02
Pump House Roof Concrete			
Plant & Operations	April	2016	15.48
Placing Crews	April	2016	11.64
Finish	April	2016	15.68
Point & Patch	April	2016	19.29
Cure & Cleanup	May	2016	50.17

Phase	Start Month	Start Year	Days
Formwork	July	2016	120.59
Roof Falsework	November	2016	46.68
Flow Meter Vaults			
Flow Meter Vault Concrete	December	2016	23.71
Ultra-Sonic Flow Meters	December	2016	14.00
Butterfly Valves			
Electrical Actuated BFV(96")	June	2016	35.00
Hydraulic Actuated BFV(96")	June	2016	35.00
Piping To Outside			
Discharge Piping (8' Dia)	June	2016	56.00
Installation Of Pumps, Valves & Fittings	June	2016	240.00
Flex Couplings	June	2016	14.00
Air Valves	June	2016	7.00
<b>Pumping Plant 2</b>			
Clearing/Grubbing			
Clearing/Grubbing	April	2015	5.00
Dewatering	April	2015	434.00
Excavation & Backfill			
Excavation & Haul To Waste	May	2015	82.53
Excavation & Stockpile	October	2016	44.37
Place Stockpiled Material As Backfill	October	2016	28.26
Import & Place Material	October	2016	190.14
Sedimentation Basin			
Place Gavel Bedding	June	2015	5.20
Drive Foundation Piles	September	2015	118.00
Place Concrete Fill In Piles	April	2016	42.46
Sedimentation SOG & Solids Lagoons			
Plant & Operations	February	2016	66.41
Placing Crews	February	2016	26.20
Point & Patch	February	2016	5.97
Treat CJ	March	2016	10.75
Cure & Cleanup	March	2016	115.00
Formwork	June	2016	37.37
Sedimentation Wall Concrete			
Plant & Operations	October	2016	140.00
Placing Crews	October	2016	27.41
Finish	October	2016	1.68
Point & Patch	November	2016	72.31
Treat CJ	January	2017	4.85
Cure & Cleanup	January	2017	451.95
Sedimentation Basin Roof Concrete			
Placing Crews	April	2017	2.23
Finish	April	2017	1.40
Point & Patch	April	2017	2.31
Cure & Cleanup	April	2017	12.00
Formwork	April	2017	14.42
Roof Falsework	May	2017	46.68
Hanging & Baffle Wall Concrete			
Plant & Operations	October	2015	9.05
Finish	October	2015	0.47
Point & Patch	October	2015	14.88

Phase	Start Month	Start Year	Days
Treat CJ	October	2015	1.60
Cure & Cleanup	October	2015	20.78
Formwork	November	2015	93.00
Hanging Wall Falsework	February	2016	0.58
<b>Pump House</b>			
Place Gravel Bedding	August	2015	2.18
Drive Foundation Piles	October	2015	71.33
Place Concrete Fill On Piles	December	2015	25.65
Slab On Grade Concrete			
Plant & Operations	November	2015	50.00
Placing Crews	November	2015	20.19
Finish	November	2015	15.40
Point & Patch	December	2015	0.85
Treat CJ	December	2015	6.77
Cure & Cleanup	December	2015	28.70
Formwork	January	2015	5.29
<b>Pump House Wall Concrete</b>			
Plant & Operations	May	2016	100.00
Placing Crews	May	2016	32.96
Finish	June	2016	3.45
Point & Patch	June	2016	80.32
Treat CJ	August	2016	6.77
Cure & Cleanup	August	2016	113.99
Formwork	December	2016	502.02
<b>Pump House Roof Concrete</b>			
Plant & Operations	August	2016	15.48
Placing Crews	August	2016	11.64
Finish	August	2016	15.68
Point & Patch	August	2016	19.29
Cure & Cleanup	September	2016	50.17
Formwork	November	2016	120.59
Roof Falsework	March	2017	46.68
<b>Flow Meter Vaults</b>			
Flow Meter Vault Concrete	September	2018	23.71
Ultra-Sonic Flow Meters	September	2018	14.00
<b>Butterfly Valves</b>			
Electrical Actuated BFV(96")	October	2018	35.00
Hydraulic Actuated BFV(96")	October	2018	35.00
<b>Piping To Outside</b>			
Discharge Piping (8' Dia)	October	2018	56.00
Installation Of Pumps, Valves & Fittings	October	2018	240.00
Flex Couplings	October	2018	14.00
Air Valves	October	2018	7.00
<b>Pumping Plant 3</b>			
<b>Clearing/Grubbing</b>			
Clearing/Grubbing	March	2015	5.00
Dewatering	March	2015	434.00
<b>Excavation &amp; Backfill</b>			
Excavation & Haul To Waste	April	2015	82.53
Excavation & Stockpile	July	2016	44.37
Place Stockpiled Material As Backfill	July	2016	28.26

Phase	Start Month	Start Year	Days
Import & Place Material	July	2016	190.14
Sedimentation Basin			
Place Gavel Bedding	March	2015	5.20
Drive Foundation Piles	June	2015	118.00
Place Concrete Fill In Piles	January	2016	42.46
Sedimentation SOG & Solids Lagoons			
Plant & Operations	January	2016	66.41
Placing Crews	January	2016	26.20
Point & Patch	January	2016	5.97
Treat CJ	February	2016	10.75
Cure & Cleanup	February	2016	115.00
Formwork	May	2016	37.37
Sedimentation Wall Concrete			
Plant & Operations	August	2016	140.00
Placing Crews	August	2016	27.41
Finish	August	2016	1.68
Point & Patch	September	2016	72.31
Treat CJ	November	2016	4.85
Cure & Cleanup	November	2016	451.95
Sedimentation Basin Roof Concrete			
Placing Crews	March	2017	2.23
Finish	March	2017	1.40
Point & Patch	March	2017	2.31
Cure & Cleanup	March	2017	12.00
Formwork	March	2017	14.42
Roof Falsework	April	2017	46.68
Hanging & Baffle Wall Concrete			
Plant & Operations	July	2015	9.05
Finish	July	2015	0.47
Point & Patch	July	2015	14.88
Treat CJ	July	2015	1.60
Cure & Cleanup	July	2015	20.78
Formwork	August	2015	93.00
Hanging Wall Falsework	November	2015	0.58
Pump House			
Place Gravel Bedding	June	2015	2.18
Drive Foundation Piles	September	2015	71.33
Place Concrete Fill On Piles	January	2016	25.65
Slab On Grade Concrete			
Plant & Operations	October	2015	50.00
Placing Crews	October	2015	20.19
Finish	October	2015	15.40
Point & Patch	November	2015	0.85
Treat CJ	November	2015	6.77
Cure & Cleanup	November	2015	28.70
Formwork	December	2015	5.29
Pump House Wall Concrete			
Plant & Operations	February	2016	100.00
Placing Crews	February	2016	32.96
Finish	March	2016	3.45
Point & Patch	March	2016	80.32

Phase	Start Month	Start Year	Days
Treat CJ	May	2016	6.77
Cure & Cleanup	May	2016	113.99
Formwork	September	2016	502.02
Pump House Roof Concrete			
Plant & Operations	May	2016	15.48
Placing Crews	May	2016	11.64
Finish	May	2016	15.68
Point & Patch	May	2016	19.29
Cure & Cleanup	June	2016	50.17
Formwork	August	2016	120.59
Roof Falsework	December	2016	46.68
Flow Meter Vaults			
Flow Meter Vault Concrete	April	2017	23.71
Ultra-Sonic Flow Meters	April	2017	14.00
Butterfly Valves			
Electrical Actuated BFV(96")	August	2016	35.00
Hydraulic Actuated BFV(96")	August	2016	35.00
Piping To Outside			
Discharge Piping (8' Dia)	August	2016	56.00
Installation Of Pumps, Valves & Fittings	August	2016	240.00
Flex Couplings	August	2016	14.00
Air Valves	August	2016	7.00
<b>Pumping Plant 4</b>			
Clearing/Grubbing			
Clearing/Grubbing	June	2015	5.00
Dewatering	June	2015	434.00
Excavation & Backfill			
Excavation & Haul To Waste	July	2015	82.53
Excavation & Stockpile	November	2016	44.37
Place Stockpiled Material As Backfill	November	2016	28.26
Import & Place Material	November	2016	190.14
Sedimentation Basin			
Place Gavel Bedding	June	2015	5.20
Drive Foundation Piles	September	2015	118.00
Place Concrete Fill In Piles	April	2016	42.46
Sedimentation SOG & Solids Lagoons			
Plant & Operations	March	2016	66.41
Placing Crews	March	2016	26.20
Point & Patch	March	2016	5.97
Treat CJ	April	2016	10.75
Cure & Cleanup	April	2016	115.00
Formwork	July	2016	37.37
Sedimentation Wall Concrete			
Plant & Operations	November	2016	140.00
Placing Crews	November	2016	27.41
Finish	November	2016	1.68
Point & Patch	December	2016	72.31
Treat CJ	February	2017	4.85
Cure & Cleanup	February	2017	451.95
Sedimentation Basin Roof Concrete			
Placing Crews	May	2017	2.23

Phase	Start Month	Start Year	Days
Finish	May	2017	1.40
Point & Patch	May	2017	2.31
Cure & Cleanup	May	2017	12.00
Formwork	May	2017	14.42
Roof Falsework	June	2017	46.68
Hanging & Baffle Wall Concrete			
Plant & Operations	November	2015	9.05
Finish	November	2015	0.47
Point & Patch	November	2015	14.88
Treat CJ	November	2015	1.60
Cure & Cleanup	November	2015	20.78
Formwork	December	2015	93.00
Hanging Wall Falsework	March	2016	0.58
Pump House			
Place Gravel Bedding	September	2015	2.18
Drive Foundation Piles	October	2015	71.33
Place Concrete Fill On Piles	January	2016	25.65
Slab On Grade Concrete			
Plant & Operations	January	2016	50.00
Placing Crews	January	2016	20.19
Finish	January	2016	15.40
Point & Patch	February	2016	0.85
Treat CJ	February	2016	6.77
Cure & Cleanup	February	2016	28.70
Formwork	March	2016	5.29
Pump House Wall Concrete			
Plant & Operations	May	2016	100.00
Placing Crews	May	2016	32.96
Finish	June	2016	3.45
Point & Patch	June	2016	80.32
Treat CJ	August	2016	6.77
Cure & Cleanup	August	2016	113.99
Formwork	December	2016	502.02
Pump House Roof Concrete			
Plant & Operations	September	2016	15.48
Placing Crews	September	2016	11.64
Finish	September	2016	15.68
Point & Patch	September	2016	19.29
Cure & Cleanup	October	2016	50.17
Formwork	December	2016	120.59
Roof Falsework	April	2017	46.68
Flow Meter Vaults			
Flow Meter Vault Concrete	November	2018	23.71
Ultra-Sonic Flow Meters	November	2018	14.00
Butterfly Valves			
Electrical Actuated BFV(96")	January	2019	35.00
Hydraulic Actuated BFV(96")	January	2019	35.00
Piping To Outside			
Discharge Piping (8' Dia)	January	2019	56.00
Installation Of Pumps, Valves & Fittings	January	2019	240.00
Flex Couplings	January	2019	14.00

Phase	Start Month	Start Year	Days
Air Valves	January	2019	7.00
<b>Pumping Plant 5</b>			
Clearing/Grubbing			
Clearing/Grubbing	April	2015	5.00
Dewatering	April	2015	434.00
Excavation & Backfill			
Excavation & Haul To Waste	May	2015	82.53
Excavation & Stockpile	August	2016	44.37
Place Stockpiled Material As Backfill	August	2016	28.26
Import & Place Material	August	2016	190.14
Sedimentation Basin			
Place Gavel Bedding	November	2015	5.20
Drive Foundation Piles	August	2015	118.00
Place Concrete Fill In Piles	March	2016	42.46
Sedimentation SOG & Solids Lagoons			
Plant & Operations	March	2016	66.41
Placing Crews	March	2016	26.20
Point & Patch	March	2016	5.97
Treat CJ	April	2016	10.75
Cure & Cleanup	April	2016	115.00
Formwork	July	2016	37.37
Sedimentation Wall Concrete			
Plant & Operations	September	2016	140.00
Placing Crews	September	2016	27.41
Finish	September	2016	1.68
Point & Patch	October	2016	72.31
Treat CJ	December	2016	4.85
Cure & Cleanup	December	2016	451.95
Sedimentation Basin Roof Concrete			
Placing Crews	March	2017	2.23
Finish	March	2017	1.40
Point & Patch	March	2017	2.31
Cure & Cleanup	March	2017	12.00
Formwork	March	2017	14.42
Roof Falsework	April	2017	46.68
Hanging & Baffle Wall Concrete			
Plant & Operations	August	2015	9.05
Finish	August	2015	0.47
Point & Patch	August	2015	14.88
Treat CJ	August	2015	1.60
Cure & Cleanup	August	2015	20.78
Formwork	September	2015	93.00
Hanging Wall Falsework	December	2015	0.58
Pump House			
Place Gravel Bedding	September	2015	2.18
Drive Foundation Piles	November	2015	71.33
Place Concrete Fill On Piles	March	2016	25.65
Slab On Grade Concrete			
Plant & Operations	November	2015	50.00
Placing Crews	November	2015	20.19
Finish	November	2015	15.40

Phase	Start Month	Start Year	Days
Point & Patch	December	2015	0.85
Treat CJ	December	2015	6.77
Cure & Cleanup	December	2015	28.70
Formwork	January	2015	5.29
<b>Pump House Wall Concrete</b>			
Plant & Operations	December	2015	100.00
Placing Crews	December	2015	32.96
Finish	January	2016	3.45
Point & Patch	January	2016	80.32
Treat CJ	March	2016	6.77
Cure & Cleanup	March	2016	113.99
Formwork	July	2016	502.02
<b>Pump House Roof Concrete</b>			
Plant & Operations	May	2016	15.48
Placing Crews	May	2016	11.64
Finish	May	2016	15.68
Point & Patch	May	2016	19.29
Cure & Cleanup	June	2016	50.17
Formwork	August	2016	120.59
Roof Falsework	December	2016	46.68
<b>Flow Meter Vaults</b>			
Flow Meter Vault Concrete	June	2017	23.71
Ultra-Sonic Flow Meters	June	2017	14.00
<b>Butterfly Valves</b>			
Electrical Actuated BFV(96")	August	2016	35.00
Hydraulic Actuated BFV(96")	August	2016	35.00
<b>Piping To Outside</b>			
Discharge Piping (8' Dia)	August	2016	56.00
Installation Of Pumps, Valves & Fittings	August	2016	240.00
Flex Couplings	August	2016	14.00
Air Valves	August	2016	7.00
<b>Intermediate Pumping Plant</b>			
<b>Clearing/Grubbing/Dewatering</b>			
Clearing & Grubbing	June	2014	2.00
Dewatering	June	2014	493.00
SWPPP	June	2014	5.00
<b>PP Excavation &amp; Backfill</b>			
Excavate & Waste	August	2014	84.72
Excavation & Stockpile	August	2014	76.25
Place Stockpiled Material As Backfill	November	2014	334.45
<b>Forebay From New North Canal</b>			
Forebay From New North Canal - Excavation & Stockpile	August	2014	263.64
Forebay From New North Canal - Place Stockpiled Material As Backfill	January	2015	34.38
<b>Forebay Concrete</b>			
Forebay From New North Canal Plant & Operations	September	2015	57.80
Forebay From New North Canal Placing Crews	September	2015	19.05
Forebay From New North Canal Finish	October	2015	3.45
Forebay From New North Canal Point & Patch	October	2015	15.68
Forebay From New North Canal Treat CJ	October	2015	0.30

Phase	Start Month	Start Year	Days
Forebay From New North Canal Cure & Cleanup	October	2015	145.66
Forebay From New North Canal Formwork	October	2015	97.98
Pump House			
Place Gravel Bedding	August	2014	5.38
Drive Foundation Piles	April	2015	591.33
Place Concrete Fill On Piles	September	2015	212.89
Slab On Grade Concrete			
Plant & Operations	September	2015	77.72
Placing Crews	September	2015	31.31
Finish	October	2015	43.70
Point & Patch	November	2015	4.28
Treat CJ	November	2015	3.28
Cure & Cleanup	November	2015	80.41
Formwork	November	2015	26.75
Volute Concrete			
Plant & Operations	March	2016	68.71
Placing Crews	March	2016	15.10
Finish	March	2016	6.72
Point & Patch	March	2016	0.00
Cure & Cleanup	March	2016	6.88
Formwork	April	2016	0.00
Pump House Wall Concrete			
Plant & Operations	November	2015	211.22
Point & Patch	November	2015	296.55
Cure & Cleanup	February	2016	408.96
Formwork	February	2016	1853.46
Pump House Elevated Slab Concrete			
Plant & Operations	May	2016	101.68
Placing Crews	May	2016	18.89
Finish	May	2016	34.60
Point & Patch	June	2016	2.31
Cure & Cleanup	June	2016	58.37
Formwork	June	2016	14.46
Roof Falsework	July	2016	136.60
Haul Road			
Overexc & Recompact 40' Widex 5' Deep	July	2016	8.00
Remove Base Rock	July	2016	4.00
Piping			
11' Dia Piping	June	2017	48.00
12' Dia Piping	June	2017	80.00
Flex Couplings	June	2017	16.00
Air Valve	June	2017	16.00
Install All Piping, Fittings & Valves	June	2017	16.00
Butterfly Valves			
11' Hydraulicall Activated BFV	July	2017	50.00
8' Electrically Activated BFV	July	2017	30.00
Flow Meter Vaults			
Flow Meter Vaults, 16'x16'x20' Deep	July	2017	218.84
Ultra Sonic Flow Meters	July	2017	12.00
<b>Pipelines</b>			
<u>Pipeline</u>			

Phase	Start Month	Start Year	Days
Dewatering for Conduits			
Wellpoint System	October	2015	22.00
Excavate & Stockpile For Reuse As BF	December	2015	886.36
Pipe Procurement			
Stage and Handle Pipe	January	2016	59.98
Place Pipe Bedding			
Place Bedding	November	2015	375.00
Set & Weld Pipe			
Place Pipe	January	2016	2495.20
Weld Pipe	January	2016	2500.00
Place Backfill			
Place Sand in Pipe Zone	January	2016	916.25
Backfill - Load and Haul	January	2016	1300.00
Backfill - Place and Compact	January	2016	130.00
Air and Vacuum Release	January	2016	12.00
SWPPP	November	2015	1240.00
Pumping Plant Transition Structure			
Place Bedding	January	2016	1.00
Excavate and Stockpile	December	2015	53.71
Backfill	March	2016	25.82
SOG Concrete			
Plant & Operations	January	2016	197.06
Placing Crews	January	2016	32.78
Finish	February	2016	18.75
Point and Patch	February	2016	17.12
Treat CJ	March	2016	50.00
Cure & Cleanup	April	2016	82.26
Formwork	July	2016	107.07
Place Wall Concrete			
Plant & Operations	January	2016	148.71
Placing Crews	January	2016	49.01
Finish	February	2016	0.63
Point and Patch	February	2016	112.26
Treat CJ	June	2016	14.13
Cure & Cleanup	June	2016	155.42
Formwork	December	2017	701.61
Roof Falsework			
Plant & Operations	March	2016	74.93
Placing Crews	March	2016	12.47
Finish	March	2016	21.88
Point and Patch	April	2016	44.00
Cure & Cleanup	June	2016	70.20
Formwork	July	2016	169.23
<u>Pipeline - Canal Transition Structure</u>			
Excavate and Haul	July	2016	36.50
Excavate and Stockpile	July	2016	17.21
Backfill	January	2017	25.82
Place Bedding	August	2016	1.00
SOG Concrete			
Plant & Operations	October	2016	220.00
Placing Crews	October	2016	60.45

Phase	Start Month	Start Year	Days
Finish	December	2016	86.92
Point and Patch	February	2017	31.87
Treat CJ	March	2017	13.17
Cure & Cleanup	April	2017	191.18
Formwork	October	2017	199.16
Place Wall Concrete			
Plant & Operations	November	2016	936.56
Placing Crews	November	2016	119.92
Finish	February	2017	13.10
Point and Patch	February	2017	216.62
Treat CJ	September	2017	13.68
Cure & Cleanup	October	2017	307.57
Formwork	May	2018	1374.71
<b>Canals</b>			
<b>Canal Stations</b>			
Clear and Grub			
Clear and Grub	March	2015	482.60
Demolition of Structures	March	2015	136.36
Overexcavate & Replace Under Embankments			
Dewatering Embankment Area			
Excavate Trenches	March	2015	1934.54
Operate Pumps	March	2015	1766.86
Pump Install and Maintain	March	2015	588.95
Construct/Remove Sedimentation Ponds	March	2015	196.32
Waste Unsuitable Material			
Unsuitable to ROW Spoil Berm	June	2016	81.00
Unsuitable to Borrow Backfill 5 Truck	June	2016	81.00
Unsuitable to Borrow Backfill 6 Truck	June	2016	81.00
Unsuitable to Borrow Backfill 7 Truck	June	2016	81.00
Scarify and Recompect Canal Invert	March	2015	401.10
Flip Flop Non Organics	May	2015	166.03
Import and Replace to OG			
Truck from Borrow 2.5m to 7m Haul, Truck	May	2015	1013.13
Truck from Borrow 7m to 11m Haul, Truck	May	2015	1032.77
Truck from Borrow >11m Haul, Truck	May	2015	762.47
Truck from Borrow to King Island	May	2015	482.43
On-Site Excavation			
Export Unsuitable Material			
Unsuitable from Canal Excavation to ROW Berms	May	2015	680.05
Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck	May	2015	152.01
Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck	May	2015	818.22
Unsuitable from Canal Excavation to Borrow BF from >11m truck	May	2015	639.52
Cut and Fill Suitable Material			
Canal Exc To Replace Unsuit Exc Under Embankment	May	2015	1583.57
Canal Exc To Canal Embankment Lower Section	May	2015	2255.65
Canal Exc To Dry Bed For Emb. Top Out	May	2015	383.77
Canal Exc To Dry Bed Reach To Reach	May	2015	367.92

Phase	Start Month	Start Year	Days
Moisture Condition Suitable Material			
Construction Drying Beds	March	2015	93.33
Operate Drying Beds	July	2015	1500.00
Double Handle Suitable	March	2015	1519.55
Dewater Canal Exc Area			
Excavate Trenches	May	2015	11.00
Operate Pumps	March	2015	1800.00
Pump Install and Maintain	March	2015	600.00
Construct/Remove Sedimentation Ponds	June	2015	200.00
Import and Place as Embankment			
Import and Place			
Clear and Grub Borrow Area	June	2015	849.41
Strip Unsuitable from Borrow Areas	June	2015	1621.02
Haul from Borrow, 100 T Tr <2500	June	2015	45.19
Haul from Borrow, 100 T Tr, 2500-7000	June	2015	1439.84
Haul from Borrow, 100 T Tr, >11000	June	2015	512.55
Haul from Borrow to King Island	June	2015	1196.79
Excavate Trenches	July	2016	11.00
Operate Pumps	March	2015	1800.00
Pump Install and Maintain	March	2015	600.00
Construct/Remove Sedimentation Ponds	May	2015	200.00
Slope Finish	May	2015	1533.83
Channel Bottom Finish	May	2015	768.30
Embankment Top Finish	May	2015	131.39
Other Flat Area Finish	May	2015	1125.55
Toe Roads			
Excavate for Toe Roads	September	2015	685.16
Backfill Excavation from Borrow	September	2015	787.93
Drainage			
Export Unsuitable Material	May	2015	216.79
Finish Grade Ditch	May	2015	667.69
Irrigation Ditches			
Export Unsuitable Material	May	2015	324.09
Finish Grade Ditch	May	2015	1068.30
SWPPP	June	2015	1333.33
Haul Roads			
Overexc and Recompact 40'W X3'Dx 71 Miles			
Excavate Overburden to 3' Depth	September	2015	296.99
Refill from Borrow	September	2015	296.99
Remove Haul Road Base	September	2015	215.28
Construct Trestles Over Slough	September	2015	1111.00
Maintain Haul Roads	September	2015	2025.02
<b>Siphons</b>			
<u>E1 Stone Lake Drain</u>			
Upstream & Downstream Transitions			
Excavation/Grading	April	2017	0.75
Place Gravel Bedding	January	2017	1.05
Place Invert Slab Concrete			
Plant & Operations	June	2017	30.00
Placing Crews	June	2017	13.55
Finish	June	2017	62.07

Phase	Start Month	Start Year	Days
Point and Patch	August	2017	4.58
Treat CJ	August	2017	6.22
Cure & Cleanup	August	2017	98.44
Formwork	November	2017	17.60
Place Wall Concrete			
Plant & Operations	July	2017	60.00
Placing Crews	July	2017	19.64
Point and Patch	July	2017	4.58
Treat CJ	July	2017	6.22
Cure & Cleanup	August	2017	3.66
Formwork	August	2017	132.11
Backfill	October	2017	5.03
Upstream & Downstream Control Structures			
Excavation/Grading	April	2017	0.83
Place Gravel Bedding	January	2017	0.33
Drive Foundation Piles	June	2017	18.33
Place Invert Slab Concrete			
Plant & Operations	July	2017	15.00
Placing Crews	July	2017	5.05
Finish	July	2017	4.89
Point and Patch	July	2017	0.92
Treat CJ	July	2017	1.25
Cure & Cleanup	July	2017	9.77
Formwork	July	2017	5.74
Place Wall Concrete			
Plant & Operations	July	2017	25.65
Placing Crews	July	2017	1677.00
Point and Patch	February	2022	11.75
Cure & Cleanup	March	2022	15.27
Backfill	October	2017	5.03
Box Culvert Section			
Excavate Channel/Build Levee	April	2017	22.50
Install and Remove Sheetpile Cutoff			
Place Sheetpile Cells	March	2018	300.00
Cell Fill	March	2018	100.00
Remove Cell Fill	June	2018	62.50
Remove Sheet Pile	August	2018	50.00
PZ 32 Crew	October	2018	200.00
Install Walers	May	2019	200.00
Repair Levee	February	2018	30.00
Excavation			
Wet Exc/Dragline	April	2017	65.12
Dry Exc/Backhoe	April	2017	55.96
Drive Foundation Piles	June	2017	58.50
Place Gravel Bedding	December	2016	6.81
SOG Concrete			
Plant & Operations	June	2017	100.00
Placing Crews	June	2017	17.50
Finish	June	2017	3.88
Point and Patch	June	2017	7.37
Treat CJ	June	2017	6.50

Phase	Start Month	Start Year	Days
Cure & Cleanup	July	2017	67.56
Formwork	September	2017	49.39
Wall Concrete			
Plant & Operations	July	2017	200.00
Placing Crews	July	2017	14.31
Point and Patch	July	2017	105.56
Treat CJ	November	2017	13.00
Cure & Cleanup	November	2017	145.03
Formwork	April	2018	70.37
Roof Concrete			
Plant & Operations	September	2017	240.00
Placing Crews	September	2017	12.44
Finish	September	2017	13.10
Point and Patch	September	2017	44.00
Cure & Cleanup	November	2017	119.08
Formwork	March	2018	12.11
Backfill	October	2017	76.23
SWPP	January	2017	480.00
<u>E2 Beaver Slough</u>			
Upstream & Downstream Transitions			
Excavation/Grading	November	2015	1.01
Place Gravel Bedding	October	2017	1.05
Place Invert Slab Concrete			
Plant & Operations	April	2016	15.00
Placing Crews	April	2016	13.55
Finish	April	2016	62.07
Point and Patch	June	2016	4.58
Treat CJ	June	2016	6.22
Cure & Cleanup	July	2016	98.44
Formwork	November	2016	17.60
Place Wall Concrete			
Plant & Operations	March	2016	30.00
Placing Crews	March	2016	19.64
Point and Patch	March	2016	4.58
Treat CJ	March	2016	0.00
Cure & Cleanup	March	2016	3.66
Formwork	April	2016	132.11
Backfill	June	2016	26.43
Upstream & Downstream Control Structures			
Excavation/Grading	April	2016	15.62
Place Gravel Bedding	October	2017	0.33
Drive Foundation Piles	January	2016	18.33
Place Invert Slab Concrete			
Plant & Operations	March	2016	15.00
Placing Crews	March	2016	5.05
Finish	March	2016	4.89
Point and Patch	March	2016	0.92
Treat CJ	March	2016	1.25
Cure & Cleanup	March	2016	9.77
Formwork	March	2016	5.74
Place Wall Concrete			

Phase	Start Month	Start Year	Days
Plant & Operations	April	2016	40.00
Placing Crews	April	2016	7.99
Point and Patch	April	2016	11.75
Cure & Cleanup	April	2016	15.27
Formwork	May	2016	73.43
Backfill	June	2016	34.35
Box Culvert Section			
Overexc & Recompact Diversion Channel	October	2015	22.50
Install and Remove Sheetpile Cutoff			
Erect Cells	January	2017	300.00
Cell Fill	October	2017	100.00
Remove Cell Fill	January	2018	62.50
Remove Sheet Pile	March	2018	50.00
PZ 32 Crew	May	2018	225.00
Install Walers	December	2018	225.00
Repair Levee	September	2016	30.00
Excavation			
Wet Exc/Dragline	September	2015	73.90
Dry Exc/Backhoe	September	2015	55.96
Drive Foundation Piles	February	2016	62.00
Place Gravel Bedding	June	2015	8.12
SOG Concrete			
Plant & Operations	January	2016	120.00
Placing Crews	January	2016	20.86
Finish	January	2016	7.07
Point and Patch	January	2016	6.04
Treat CJ	February	2016	15.50
Cure & Cleanup	February	2016	115.73
Formwork	June	2016	37.76
Wall Concrete			
Plant & Operations	March	2016	200.00
Placing Crews	March	2016	17.06
Point and Patch	March	2016	125.86
Treat CJ	July	2016	15.50
Cure & Cleanup	August	2016	172.92
Formwork	January	2017	83.91
Roof Concrete			
Plant & Operations	April	2016	260.00
Placing Crews	April	2016	14.83
Point and Patch	April	2016	52.46
Cure & Cleanup	June	2016	141.98
Formwork	October	2016	14.43
Backfill	June	2016	50.15
SWPP	June	2015	480.00
<u>E3 Hog Slough</u>			
Upstream & Downstream Transitions			
Excavation/Grading	December	2015	1.26
Place Gravel Bedding	September	2015	1.05
Backfill	August	2016	26.43
Upstream & Downstream Control Structures			
Excavation/Grading	December	2015	0.83

Phase	Start Month	Start Year	Days
Place Gravel Bedding	September	2015	0.33
Drive Foundation Piles	March	2016	18.33
Backfill	August	2016	5.03
Box Culvert Section			
Overexc & Recompact Diversion Channel	September	2015	22.50
Install and Remove Sheetpile Cutoff			
Erect Cells	January	2017	300.00
Cell Fill	October	2017	100.00
Remove Cell Fill	January	2018	62.50
Remove Cells	March	2018	50.00
Set Walers	May	2018	225.00
Repair Levee	December	2016	30.00
Excavation			
Wet Exc/Dragline	December	2015	64.06
Dry Exc/Backhoe	December	2015	95.09
Drive Foundation Piles	March	2016	65.50
Place Gravel Bedding	September	2015	8.12
SOG Concrete			
Plant & Operations	March	2016	120.00
Placing Crews	March	2016	20.86
Finish	March	2016	7.07
Point and Patch	March	2016	6.04
Treat CJ	April	2016	15.50
Cure & Cleanup	April	2016	115.73
Formwork	August	2016	37.76
Wall Concrete			
Plant & Operations	April	2016	200.00
Placing Crews	April	2016	17.06
Point and Patch	April	2016	125.86
Treat CJ	August	2016	15.50
Cure & Cleanup	September	2016	172.92
Formwork	February	2017	83.91
Roof Concrete			
Plant & Operations	June	2016	260.00
Placing Crews	June	2016	14.83
Finish	June	2016	15.62
Point and Patch	July	2016	52.46
Cure & Cleanup	August	2016	141.98
Formwork	January	2017	14.43
Backfill	July	2016	50.56
SWPP	September	2015	480.00
<u>E4 Sycamore Slough</u>			
Upstream & Downstream Transitions			
Excavation/Grading	August	2016	1.51
Place Gravel Bedding	April	2016	1.05
Place Wall Concrete			
Plant & Operations	December	2016	60.00
Backfill	March	2017	31.71
Upstream & Downstream Control Structures			
Excavation/Grading	August	2016	1.66
Place Gravel Bedding	April	2016	2.18

Phase	Start Month	Start Year	Days
Drive Foundation Piles	October	2016	18.33
Place Invert Slab Concrete			
Plant & Operations	November	2016	1.88
Placing Crews	November	2016	5.05
Finish	November	2016	4.89
Point and Patch	November	2016	0.92
Treat CJ	November	2016	1.25
Cure & Cleanup	November	2016	9.77
Formwork	November	2016	5.74
Place Wall Concrete			
Plant & Operations	December	2016	1.79
Placing Crews	December	2016	7.99
Point and Patch	December	2016	11.75
Cure & Cleanup	December	2016	15.27
Formwork	January	2017	73.43
Backfill	March	2017	6.04
Box Culvert Section			
Overexc & Recomact Diversion Channel	May	2016	75.00
Install and Remove Sheetpile Cutoff			
Erect Cells	August	2017	300.00
Cell Fill	May	2018	100.00
Remove Cell Fill	August	2018	62.50
Remove Sheet Pile	October	2018	50.00
PZ 32 Crew	December	2018	275.00
Set Walers	September	2019	275.00
Repair Levee	July	2017	100.00
Excavation			
Wet Exc/Dragline	August	2016	63.29
Dry Exc/Backhoe	August	2016	113.72
Drive Foundation Piles	October	2016	68.83
Place Gravel Bedding	April	2016	8.78
SOG Concrete			
Plant & Operations	November	2016	120.00
Placing Crews	November	2016	22.55
Finish	November	2016	7.64
Point and Patch	December	2016	6.27
Treat CJ	December	2016	16.75
Cure & Cleanup	January	2017	124.73
Formwork	May	2017	39.20
Wall Concrete			
Plant & Operations	December	2016	280.00
Placing Crews	December	2016	18.43
Finish	December	2016	0.00
Point and Patch	December	2016	136.01
Treat CJ	May	2017	16.75
Cure & Cleanup	May	2017	186.86
Formwork	October	2017	850.06
Roof Concrete			
Plant & Operations	February	2017	280.00
Placing Crews	February	2017	19.61
Finish	February	2017	20.65

Phase	Start Month	Start Year	Days
Point and Patch	March	2017	69.39
Cure & Cleanup	May	2017	187.78
Formwork	December	2017	19.09
Backfill	March	2017	57.06
SWPP	April	2016	480.00
<u>E5 White Slough</u>			
Upstream & Downstream Transitions			
Excavation/Grading	August	2015	11.30
Place Gravel Bedding	March	2015	1.05
Drive Foundation Piles	September	2015	18.33
Backfill	January	2016	34.69
Upstream & Downstream Control Structures			
Excavation/Grading	August	2015	1.38
Place Gravel Bedding	April	2015	0.33
Drive Foundation Piles	September	2015	18.33
Backfill	January	2016	7.54
Box Culvert Section			
Overexc & Recompact Diversion Channel	May	2016	75.00
Install and Remove Sheetpile Cutoff			
Place Sheet Pile Cells	April	2015	840.00
Cell Fill	July	2017	280.00
Remove Cell Fill	April	2018	175.00
Remove Cells	October	2018	140.00
PZ 32 Crew	March	2018	170.00
Set Walers	August	2018	170.00
Excavation			
Wet Exc/Dragline	July	2016	236.61
Dry Exc/Backhoe	July	2016	28.65
Drive Foundation Piles	September	2016	79.17
Place Gravel Bedding	May	2016	10.74
SOG Concrete			
Plant & Operations	September	2016	140.00
Placing Crews	September	2016	27.59
Finish	September	2016	9.34
Point and Patch	October	2016	6.97
Treat CJ	October	2016	20.50
Cure & Cleanup	November	2016	151.73
Formwork	April	2017	43.53
Wall Concrete			
Plant & Operations	October	2016	240.00
Placing Crews	October	2016	22.56
Point and Patch	October	2016	166.46
Treat CJ	April	2017	20.50
Cure & Cleanup	April	2017	228.70
Formwork	December	2017	110.97
Roof Concrete			
Plant & Operations	December	2016	280.00
Placing Crews	December	2016	19.61
Finish	December	2016	20.65
Point and Patch	January	2017	69.39
Cure & Cleanup	March	2017	187.78

Phase	Start Month	Start Year	Days
Formwork	September	2017	19.09
Backfill	January	2017	73.11
SWPP	April	2016	480.00
<b>E6 Disappointment Slough</b>			
Upstream & Downstream Transitions			
Excavation/Grading	September	2015	11.86
Place Gravel Bedding	June	2015	1.05
Drive Foundation Piles	September	2015	18.33
Backfill	January	2016	39.37
Upstream & Downstream Control Structures			
Excavation/Grading	August	2016	1.38
Place Gravel Bedding	May	2016	0.33
Drive Foundation Piles	September	2016	82.67
Backfill	January	2017	7.54
Box Culvert Section			
Install and Remove Sheetpile Cutoff			
Erect Cells	January	2017	900.00
Cell Fill	July	2019	300.00
Remove Cell Fill	May	2019	187.50
Remove Cells	November	2019	150.00
PZ 32 Crew	April	2020	175.00
Set Walers	October	2020	175.00
Excavation			
Wet Exc/Dragline	August	2016	257.11
Dry Exc/Backhoe	August	2016	32.45
Drive Foundation Piles	September	2016	82.67
Place Gravel Bedding	May	2016	11.39
SOG Concrete			
Plant & Operations	October	2016	160.00
Placing Crews	October	2016	29.28
Finish	November	2016	9.91
Point and Patch	November	2016	7.20
Treat CJ	November	2016	21.75
Cure & Cleanup	December	2016	160.73
Formwork	May	2017	44.97
Wall Concrete			
Plant & Operations	September	2016	360.00
Placing Crews	September	2016	23.94
Point and Patch	September	2016	176.61
Treat CJ	March	2017	21.75
Cure & Cleanup	April	2017	242.64
Formwork	December	2017	117.74
Roof Concrete			
Plant & Operations	December	2016	380.00
Placing Crews	December	2016	20.81
Finish	December	2016	21.91
Point and Patch	January	2017	73.62
Cure & Cleanup	March	2017	199.23
Formwork	October	2017	20.25
Backfill	January	2017	80.02
SWPP	February	2016	480.00

Phase	Start Month	Start Year	Days
<u>E7 BNSF Railroad</u>			
Upstream & Downstream Transitions			
Excavation/Grading	April	2016	1.69
Place Gravel Bedding	August	2015	1.05
Drive Foundation Piles	April	2016	18.33
Backfill	July	2016	34.69
Upstream & Downstream Control Structures			
Excavation/Grading	April	2016	1.45
Place Gravel Bedding	August	2015	0.33
Drive Foundation Piles	April	2016	18.33
Place Invert Slab Concrete			
Plant & Operations	June	2016	15.00
Placing Crews	June	2016	5.05
Finish	June	2016	4.89
Point and Patch	June	2016	0.92
Treat CJ	June	2016	1.25
Cure & Cleanup	June	2016	9.77
Formwork	June	2016	5.74
Place Wall Concrete			
Plant & Operations	May	2016	40.00
Placing Crews	May	2016	7.99
Point and Patch	May	2016	11.75
Cure & Cleanup	May	2016	15.27
Formwork	June	2016	73.43
Backfill	August	2016	2.04
Box Culvert Section			
Shoofly Railroad			
Embankment	August	2015	33.33
Sub-Ballast	September	2015	8.33
Dry Exc/Backhoe	April	2016	96.27
Drive Foundation Piles	April	2016	51.67
Place Gravel Bedding	August	2015	5.50
SOG Concrete			
Plant & Operations	June	2016	80.00
Placing Crews	June	2016	14.13
Finish	June	2016	4.79
Point and Patch	June	2016	5.12
Treat CJ	June	2016	10.50
Cure & Cleanup	July	2016	79.73
Formwork	October	2016	31.99
Wall Concrete			
Plant & Operations	May	2016	200.00
Placing Crews	May	2016	11.56
Point and Patch	May	2016	85.26
Treat CJ	August	2016	10.50
Cure & Cleanup	August	2016	117.14
Formwork	December	2016	56.84
Roof Concrete			
Plant & Operations	August	2016	180.00
Placing Crews	August	2016	10.05
Finish	August	2016	10.58

Phase	Start Month	Start Year	Days
Point and Patch	August	2016	35.54
Cure & Cleanup	September	2016	96.18
Formwork	January	2017	9.78
SWPP	August	2016	31.58
Backfill	August	2016	31.58
PZ 32 Crew	April	2016	170.00
Set Walers	April	2016	210.00
<u>E8 Middle River Slough</u>			
Upstream & Downstream Transitions			
Excavation/Grading	March	2016	3.39
Place Gravel Bedding	September	2015	1.05
Drive Foundation Piles	May	2016	18.33
Backfill	January	2017	34.69
Upstream & Downstream Control Structures			
Excavation/Grading	March	2016	0.21
Place Gravel Bedding	September	2015	0.33
Drive Foundation Piles	May	2016	18.33
Backfill	January	2017	7.54
Box Culvert Section			
Install and Remove Sheetpile Cutoff			
Erect Cells	February	2017	840.00
Cell Fill	May	2019	280.00
Remove Cell Fill	February	2019	175.00
Remove Cells	August	2019	140.00
PZ 32 Crew	December	2019	195.00
Set Walers	July	2020	195.00
Excavation			
Wet Exc/Dragline	March	2016	217.74
Dry Exc/Backhoe	March	2016	43.38
Drive Foundation Piles	April	2016	82.67
Place Gravel Bedding	April	2016	11.39
SOG Concrete			
Plant & Operations	May	2016	160.00
Placing Crews	May	2016	29.28
Finish	June	2016	9.91
Point and Patch	June	2016	7.20
Treat CJ	June	2016	21.75
Cure & Cleanup	July	2016	160.73
Formwork	January	2017	44.97
Wall Concrete			
Plant & Operations	June	2016	360.00
Placing Crews	June	2016	23.94
Point and Patch	June	2016	176.61
Treat CJ	January	2017	21.75
Cure & Cleanup	February	2017	242.64
Formwork	November	2017	117.74
Roof Concrete			
Plant & Operations	April	2016	380.00
Placing Crews	April	2016	20.81
Finish	April	2016	21.91
Point and Patch	May	2016	73.62

Phase	Start Month	Start Year	Days
Cure & Cleanup	July	2016	199.23
Formwork	February	2017	20.25
Backfill	January	2017	85.30
SWPP	October	2015	480.00
<b>Control Structures</b>			
<u>Forebay Outlet 1 Inline Control Structure</u>			
Upstream & Downstream Transitions			
Excavation/Grading	November	2016	18.18
Place Gravel Bedding	November	2016	0.80
Backfill	November	2016	102.33
Upstream & Downstream Control Structures			
Excavation/Grading	November	2016	1.78
Place Gravel Bedding	November	2016	0.18
Drive Foundation Piles	November	2016	18.33
Place Invert Slab Concrete			
Finish	November	2016	0.52
Point and Patch	November	2016	0.94
Treat CJ	November	2016	1.13
Cure & Cleanup	November	2016	2.73
Formwork	November	2016	5.89
Place Wall Concrete			
Placing Crews	November	2016	7.18
Point and Patch	November	2016	10.56
Cure & Cleanup	November	2016	13.73
Formwork	December	2016	65.99
Backfill	November	2016	102.33
SWPP	November	2016	240.00
<u>Forebay Outlet 2 Inline Control Structure</u>			
Upstream & Downstream Transitions			
Excavation/Grading	January	2015	27.75
Place Gravel Bedding	January	2015	0.91
Backfill	January	2015	53.39
Upstream & Downstream Control Structures			
Excavation/Grading	January	2015	3.01
Place Gravel Bedding	January	2015	0.08
Drive Foundation Piles	January	2015	18.33
Place Invert Slab Concrete			
Placing Crews	January	2015	4.54
Finish	January	2015	0.52
Point and Patch	January	2015	0.94
Treat CJ	January	2015	1.13
Cure & Cleanup	January	2015	2.73
Formwork	January	2015	5.89
Place Wall Concrete			
Placing Crews	January	2015	7.18
Point and Patch	January	2015	10.56
Cure & Cleanup	January	2015	13.73
Formwork	January	2015	65.99
Backfill	January	2015	113.95
SWPP	January	2015	240.00
<u>California Aqueduct Inline Control Structure</u>			

Phase	Start Month	Start Year	Days
<b>Upstream and Downstream Transitions</b>			
Excavation/Grading	April	2015	27.75
Place Gravel Bedding	April	2015	0.91
Place Invert Slab Concrete			
Plant & Operations	April	2015	15.00
Placing Crews	April	2015	13.55
Finish	April	2015	62.07
Point & Patch	July	2015	4.58
Treat CJ	July	2015	6.22
Cure & Cleanup	July	2015	98.44
Formwork	November	2015	17.60
Place Wall Concrete			
Plant & Operations	November	2015	30.00
Placing Crews	December	2015	19.64
Point & Patch	December	2015	4.58
Cure & Cleanup	December	2015	3.66
Formwork	December	2015	132.11
Backfill	April	2016	53.39
<b>Upstream and Downstream Control Structures</b>			
<b>Install / Remove Sheetpile Cutoff In River</b>			
Erect Cells	April	2015	75.00
Cell Fill	July	2015	25.00
Remove Cell Fill	July	2015	15.63
Remove Cells	July	2015	12.50
Set Walers	August	2015	56.25
Excavation/Grading	September	2015	3.01
Place Gravel Bedding	September	2015	0.08
Drive Foundation Piles	September	2015	18.33
Place Invert Slab Concrete			
Plant & Operations	September	2015	1.68
Placing Crews	September	2015	4.54
Finish	September	2015	0.52
Point & Patch	September	2015	0.94
Treat CJ	September	2015	1.13
Cure & Cleanup	September	2015	2.73
Formwork	September	2015	5.89
Place Wall Concrete			
Plant & Operations	September	2015	1.61
Placing Crews	September	2015	7.18
Point & Patch	October	2015	10.56
Cure & Cleanup	October	2015	13.73
Formwork	October	2015	65.99
Backfill Shaft	January	2016	113.95
SWPPP	April	2015	240.00
<b><u>Delta Mendota Inline Control Structure</u></b>			
<b>Upstream and Downstream Transitions</b>			
Excavation/Grading	June	2016	6.00
Place Gravel Bedding	June	2016	6.00
Place Invert Slab Concrete			
Plant & Operations	June	2016	6.00
Placing Crews	June	2016	6.00

Phase	Start Month	Start Year	Days
Finish	July	2016	7.00
Point & Patch	September	2016	9.00
Treat CJ	September	2016	9.00
Cure & Cleanup	September	2016	9.00
Formwork	January	2017	1.00
Place Wall Concrete			
Plant & Operations	January	2017	1.00
Placing Crews	January	2017	1.00
Point & Patch	January	2017	1.00
Cure & Cleanup	January	2017	1.00
Formwork	January	2017	1.00
Backfill Shaft	May	2017	5.00
<b>Upstream and Downstream Control Structures</b>			
<b>Install / Remove Sheetpile Cutoff In River</b>			
Erect Cells	June	2016	6.00
Cell Fill	June	2016	6.00
Remove Cell Fill	June	2016	6.00
Remove Cells	June	2016	6.00
Set Walers	June	2016	6.00
Excavation/Grading	July	2016	7.00
Place Gravel Bedding	July	2016	7.00
Drive Foundation Piles	July	2016	7.00
Place Invert Slab Concrete			
Plant & Operations	July	2016	7.00
Placing Crews	July	2016	7.00
Finish	July	2016	7.00
Point & Patch	July	2016	7.00
Treat CJ	July	2016	7.00
Cure & Cleanup	July	2016	7.00
Formwork	July	2016	7.00
Place Wall Concrete			
Plant & Operations	July	2016	7.00
Placing Crews	July	2016	7.00
Point & Patch	July	2016	7.00
Cure & Cleanup	July	2016	7.00
Formwork	July	2016	7.00
Backfill	July	2016	7.00
SWPPP	June	2016	6.00
<b>Bridges</b>			
<b><u>G2 Scribner Road</u></b>			
Bridge Construction	May	2015	123.00
Roadway Embankment			
Load and Haul Borrow	April	2015	59.95
Place Embankment	April	2015	59.95
<b><u>G3 Hood-Franklin Road</u></b>			
Bridge Construction	December	2016	125.00
Roadway Embankment			
Load and Haul Borrow	November	2016	39.19
Place Embankment	November	2016	39.19
<b><u>G4 Lambert Road</u></b>			
Bridge Construction	February	2018	168.00

Phase	Start Month	Start Year	Days
Roadway Embankment			
Load and Haul Borrow	January	2018	36.93
Place Embankment	January	2018	36.93
<u>G5 Dierssen Road</u>			
Bridge Construction	October	2015	201.00
Roadway Embankment			
Load and Haul Borrow	September	2015	34.87
Place Embankment	September	2015	34.87
<u>G6 Twin Cities Road</u>			
Bridge Construction	October	2016	167.00
Roadway Embankment			
Load and Haul Borrow	September	2016	78.19
Place Embankment	September	2016	78.19
<u>G7 West Barber Road</u>			
Bridge Construction	February	2017	177.00
Roadway Embankment			
Load and Haul Borrow	January	2017	27.51
Place Embankment	January	2017	27.51
<u>G8 West Walnut Grove Road</u>			
Bridge Construction	February	2018	177.00
Roadway Embankment			
Load and Haul Borrow	February	2018	38.99
Place Embankment	February	2018	38.99
<u>G9 North Blossom Road</u>			
Bridge Construction	September	2015	292.00
Roadway Embankment			
Load and Haul Borrow	August	2015	17.96
Place Embankment	August	2015	17.96
<u>G10 West Woodbridge Road</u>			
Bridge Construction	February	2017	171.00
Roadway Embankment			
Load and Haul Borrow	January	2017	31.78
Place Embankment	January	2017	31.78
<u>G11 SR12</u>			
Bridge Construction	March	2015	167.00
Roadway Embankment			
Load and Haul Borrow	February	2015	67.87
Place Embankment	February	2015	67.87
<u>G12 North Guard Road</u>			
Bridge Construction	February	2016	198.00
Roadway Embankment			
Load and Haul Borrow	January	2016	22.25
Place Embankment	January	2016	22.25
<u>G13 West Eight Mile Road</u>			
Bridge Construction	March	2017	167.00
Roadway Embankment			
Load and Haul Borrow	February	2017	49.51
Place Embankment	February	2017	49.51
<u>G14 West McDonald Road</u>			
Bridge Construction	February	2016	167.00
Roadway Embankment			

Phase	Start Month	Start Year	Days
Load and Haul Borrow	January	2016	70.32
Place Embankment	January	2016	70.32
<b>G15 SR4</b>			
Bridge Construction	October	2015	167.00
Roadway Embankment			
Load and Haul Borrow	September	2015	107.19
Place Embankment	September	2015	107.19
<b>G16 West Bacon Island Road</b>			
Bridge Construction	August	2016	170.00
Roadway Embankment			
Load and Haul Borrow	July	2016	15.82
Place Embankment	July	2016	15.82
<b>G17 South Tracy Road</b>			
Bridge Construction	June	2017	218.00
Roadway Embankment			
Load and Haul Borrow	May	2017	7.03
Place Embankment	May	2017	7.03
<b>G18 Cal Pack Road</b>			
Bridge Construction	March	2015	231.00
Roadway Embankment			
Load and Haul Borrow	February	2015	67.89
Place Embankment	February	2015	7.03
<b>G19 Clifton Court Road</b>			
Bridge Construction	May	2016	241.00
Roadway Embankment			
Load and Haul Borrow	April	2016	88.68
Place Embankment	April	2016	88.68
<b>Forebay</b>			
Remove Unsuitable-Export			
Excavate and Haul Off Unsuitable	July	2015	1063.85
Cut/Fill-Build Levees			
Scraper Cut/Fill	January	2018	500.13
Slope Finish	May	2019	86.00
Bottom Finish	January	2018	160.00
Export Suitable			
Load and Haul	June	2015	593.02
Slope Protection			
Place Rip Rap	June	2015	315.58
Place Bedding Material	June	2015	26.53
Place Fabric	June	2015	167.13
SWPP	June	2015	500.00
<b>Utilities</b>			
Temporary Power SMAQMD (12 kV)	June	2014	89.00
Temporary Power SMAQMD (69 kV)			
Temporary Power SJVAPCD (12 kV)	September	2014	244.00
Temporary Power SJVAPCD (69 kV)	August	2014	273.00
Temporary Power BAAQMD (12 kV)	March	2015	16.00
Temporary Power BAAQMD (69 kV)	March	2015	44.00
Permanent Power SMAQMD (69 kV)	August	2014	43.00
Permanent Power SJVAPCD (230 kV)	October	2014	1718.00
Permanent Power BAAQMD (230 kV)	August	2019	585.00

Phase	Start Month	Start Year	Days
<b>Tunnels</b>			
<u>Mokelumne River Tunnel</u>			
Launch Shaft "A"			
Excavate and Support Shaft	September	2015	44.00
Invert work slab	July	2015	2.67
Shaft Invert & Wall Rebar	September	2015	6.00
Place invert slab	September	2015	1.00
Form Shaft Walls	September	2015	6.00
Place Shaft Walls	September	2015	2.00
Clean Shaft Invert	September	2015	1.00
Shaft Tunnel Invert Pour	September	2015	1.33
Tunnel & Riser Rebar	September	2015	8.00
Tunnel & Elbow Forms	September	2015	10.77
Place tunnel & Elbow Concrete	September	2015	3.33
Set & Strip Riser forms	October	2015	16.33
Place Riser Shaft Concrete	October	2015	3.00
Controlled Density Fill	September	2015	18.67
33 ft Tunnel "A"			
Set Up For Tunnel Excavation	April	2017	6.00
TBM.	March	2017	51.00
Mine 37' Tunnel	June	2017	225.33
Tunnel Mining Surface Support	May	2017	307.00
Remove TBM @ Launch Shaft	January	2018	8.67
Grout Leakage	January	2018	12.33
Remove Rail, Utilities, and Clean Tun.	February	2018	10.00
Equip Op Cost 24/7	March	2017	329.00
Retrieval Shaft "A"			
Excavate Retrieval Shafts	March	2016	11.67
Invert prep	February	2016	0.67
Invert Rebar	February	2016	0.67
Place invert slab	April	2016	0.33
Clean Shaft Invert	April	2016	0.33
Elbow Forms	April	2016	5.33
Elbow & Riser Rebar	April	2016	4.00
Place Elbow Concrete	April	2016	3.33
Set & Strip Riser forms	April	2016	7.67
Place Riser Shaft Concrete	April	2016	0.00
Controlled Density Fill	April	2016	6.80
Launch Shaft "B"			
Excavate and Support Shaft	November	2015	44.00
Invert work slab	July	2015	2.67
Shaft Invert & Wall Rebar	November	2015	7.33
Place invert slab	November	2015	1.00
Form Shaft Walls	November	2015	6.00
Place Shaft Walls	November	2015	288.00
Clean Shaft Invert	April	2018	1.00
Shaft Tunnel Invert Pour	April	2018	1.33
Tunnel & Riser Rebar	April	2018	8.00
Tunnel & Elbow Forms	April	2018	10.77
Place tunnel & Elbow Concrete	April	2018	3.33
Set & Strip Riser forms	May	2018	16.33

Phase	Start Month	Start Year	Days
Place Riser Shaft Concrete	May	2018	3.00
Controlled Density Fill	November	2015	18.67
33 ft Tunnel "B"			
TBM.	April	2018	51.00
Mine 37' Tunnel	August	2018	225.33
Tunnel Mining Surface Support	July	2018	0.00
Remove TBM @ Launch Shaft	February	2019	8.67
Grout Leakage	February	2019	12.33
Remove Rail, Utilities, and Clean Tun.	March	2019	10.00
Equip Op Cost 24/7	April	2018	329.00
Retrieval Shaft "B"			
Excavate Retrieval Shafts	August	2016	11.67
Invert prep	July	2016	0.67
Invert Rebar	July	2016	0.67
Place invert slab	October	2016	0.33
Clean Shaft Invert	October	2016	0.33
Elbow Forms	October	2016	5.33
Elbow & Riser Rebar	October	2016	4.00
Place Elbow Concrete	October	2016	3.33
Set & Strip Riser forms	October	2016	7.67
Place Riser Shaft Concrete	October	2016	2.67
Controlled Density Fill	October	2016	6.80
Muck Disposal Shafts			
Load & Haul excavated materials	December	2016	251.00
Muck Disposal Tunnel			
Muck Disposal	December	2016	77.67
<u>Old River Tunnel</u>			
Launch Shaft "A"			
Excavate and Support Shaft	June	2015	44.00
Invert work slab	May	2015	2.67
Shaft Invert & Wall Rebar	July	2015	7.33
Place invert slab	July	2015	1.00
Form Shaft Walls	July	2015	6.00
Place Shaft Walls	July	2015	2.00
Clean Shaft Invert	July	2015	1.00
Shaft Tunnel Invert Pour	July	2015	1.33
Tunnel & Riser Rebar	July	2015	8.00
Tunnel & Elbow Forms	July	2015	10.77
Place tunnel & Elbow Concrete	July	2015	3.33
Set & Strip Riser forms	August	2015	16.33
Place Riser Shaft Concrete	August	2015	3.00
Controlled Density Fill	July	2015	18.67
33 ft Tunnel "A"			
Set Up For Tunnel Excavation	January	2019	6.00
TBM.	November	2018	51.00
Mine 27' Tunnel	March	2019	88.00
Tunnel Mining Surface Support	February	2019	121.00
Remove TBM @ Launch Shaft	April	2019	8.67
Grout Leakage	April	2019	4.00
Remove Rail, Utilities, and Clean Tun.	May	2019	3.00
Equip Op Cost 24/7	November	2018	141.00

Phase	Start Month	Start Year	Days
<b>Retrieval Shaft "A"</b>			
Excavate Retrieval Shafts	January	2017	11.67
Invert prep	December	2016	0.67
Invert Rebar	December	2016	0.67
Place invert slab	March	2017	0.33
Clean Shaft Invert	March	2017	0.33
Elbow Forms	March	2017	5.33
Elbow & Riser Rebar	March	2017	4.00
Place Elbow Concrete	March	2017	3.33
Set & Strip Riser forms	March	2017	7.67
Place Riser Shaft Concrete	March	2017	2.67
Controlled Density Fill	April	2017	6.80
<b>Launch Shaft "B"</b>			
Excavate and Support Shaft	September	2016	44.00
Invert work slab	July	2016	2.67
Shaft Invert & Wall Rebar	September	2016	7.33
Place invert slab	September	2016	1.00
Form Shaft Walls	September	2016	6.00
Place Shaft Walls	September	2016	2.00
Clean Shaft Invert	September	2016	1.00
Shaft Tunnel Invert Pour	September	2016	1.33
Tunnel & Riser Rebar	September	2016	8.00
Tunnel & Elbow Forms	September	2016	10.77
Place tunnel & Elbow Concrete	October	2016	3.33
Set & Strip Riser forms	October	2016	16.33
Place Riser Shaft Concrete	October	2016	3.00
Controlled Density Fill	September	2016	18.67
<b>33 ft Tunnel "B"</b>			
TBM.	August	2019	51.00
Mine 27' Tunnel	December	2019	88.00
Tunnel Mining Surface Support	October	2019	121.00
Remove TBM @ Launch Shaft	January	2020	8.67
Grout Leakage	January	2020	4.00
Remove Rail, Utilities, and Clean Tun.	February	2020	3.00
Equip Op Cost 24/7	August	2019	141.00
<b>Retrieval Shaft "B"</b>			
Excavate Retrieval Shafts	July	2017	11.67
Invert prep	June	2017	0.67
Invert Rebar	June	2017	0.67
Place invert slab	September	2017	0.33
Clean Shaft Invert	September	2017	0.33
Elbow Forms	September	2017	5.33
Elbow & Riser Rebar	September	2017	4.00
Place Elbow Concrete	September	2017	3.33
Set & Strip Riser forms	September	2017	7.67
Place Riser Shaft Concrete	September	2017	2.67
Controlled Density Fill	September	2017	6.80
<b>Muck Disposal Shafts</b>			
Load & Haul excavated materials	December	2017	251.00
<b>Muck Disposal Tunnel</b>			
Muck Disposal	December	2017	29.33

Phase	Start Month	Start Year	Days
<u>San Joaquin River Tunnel</u>			
Launch Shaft "A"			
Excavate and Support Shaft	July	2015	44.00
Invert work slab	May	2015	2.67
Shaft Invert & Wall Rebar	July	2015	7.33
Place invert slab	July	2015	1.00
Form Shaft Walls	July	2015	6.00
Place Shaft Walls	July	2015	2.00
Clean Shaft Invert	July	2015	1.00
Shaft Tunnel Invert Pour	July	2015	1.33
Tunnel & Riser Rebar	July	2015	8.00
Tunnel & Elbow Forms	July	2015	10.77
Place tunnel & Elbow Concrete	August	2015	3.33
Set & Strip Riser forms	August	2015	16.33
Place Riser Shaft Concrete	August	2015	3.00
Controlled Density Fill	July	2015	18.67
33 ft Tunnel "A"			
Set Up For Tunnel Excavation	May	2017	6.00
TBM.	March	2017	51.00
Mine 27' Tunnel	July	2017	144.00
Tunnel Mining Surface Support	June	2017	165.00
Remove TBM @ Launch Shaft	October	2018	8.67
Grout Leakage	October	2017	4.00
Remove Rail, Utilities, and Clean Tun.	November	2018	6.00
Equip Op Cost 24/7	March	2017	192.67
Retrieval Shaft "A"			
Excavate Retrieval Shafts	January	2016	11.67
Invert prep	December	2015	0.67
Invert Rebar	December	2015	0.67
Place invert slab	March	2016	0.33
Clean Shaft Invert	March	2016	0.33
Elbow Forms	March	2016	5.33
Elbow & Riser Rebar	March	2016	4.00
Place Elbow Concrete	March	2016	3.33
Set & Strip Riser forms	March	2016	7.67
Place Riser Shaft Concrete	March	2016	2.67
Controlled Density Fill	April	2016	6.80
Launch Shaft "B"			
Excavate and Support Shaft	September	2015	44.00
Invert work slab	July	2015	2.67
Shaft Invert & Wall Rebar	September	2015	7.33
Place invert slab	September	2015	1.00
Form Shaft Walls	September	2015	6.00
Place Shaft Walls	September	2015	2.00
Clean Shaft Invert	September	2015	1.00
Shaft Tunnel Invert Pour	September	2015	1.33
Tunnel & Riser Rebar	September	2015	8.00
Tunnel & Elbow Forms	September	2015	10.77
Place tunnel & Elbow Concrete	October	2015	3.33
Set & Strip Riser forms	October	2015	16.33
Place Riser Shaft Concrete	October	2015	3.00

Phase	Start Month	Start Year	Days
Controlled Density Fill	September	2015	18.67
33 ft Tunnel "B"			
TBM.	January	2018	51.00
Mine 27' Tunnel	May	2018	144.00
Tunnel Mining Surface Support	March	2018	165.00
Remove TBM @ Launch Shaft	July	2018	8.67
Grout Leakage	October	2018	4.00
Remove Rail, Utilities, and Clean Tun.	August	2018	6.00
Equip Op Cost 24/7	January	2018	192.67
Retrieval Shaft "B"			
Excavate Retrieval Shafts	June	2016	11.67
Invert prep	May	2016	0.67
Invert Rebar	May	2016	0.67
Place invert slab	August	2016	0.33
Clean Shaft Invert	August	2016	0.33
Elbow Forms	August	2016	5.33
Elbow & Riser Rebar	August	2016	4.00
Place Elbow Concrete	August	2016	3.33
Set & Strip Riser forms	August	2016	7.67
Place Riser Shaft Concrete	August	2016	2.67
Controlled Density Fill	August	2016	6.80
Muck Disposal Shafts			
Load & Haul excavated materials	September	2016	251.00
Muck Disposal Tunnel			
Muck Disposal	September	2016	42.67
<b>Head of Old River Barrier *</b>			
Phase 1	January	2022	290
Phase 2	November	2022	390
Phase 3	December	2023	120
* Barrier only included for Alternative 2B			

1 **Table 22B-3. Alternative 9 (Through Delta/Separate Corridors Alignment) Construction Schedule**

Phase	Start Month	Start Year	Days
Temporary Power SMAQMD (12 kv)	January	2014	48
Temporary Power SJVAPCD (12 kv)	March	2014	77
Temporary Power BAAQMD (12 kv)	June	2014	9
DCC Fish Screen Intake Facility (1st half)	July	2017	450
DCC Fish Screen Intake Facility (2nd half)	May	2019	450
Georgiana Slough Fish Screen Intake Facility (1st half)	January	2014	450
Georgiana Slough Fish Screen Intake Facility (2nd half)	October	2015	450
San Joaquin at Old River Pumping Plant	December	2014	200
Middle River Diversion Pumping Plant	February	2016	200
Old River Siphon	February	2015	405
West Canal Siphon	September	2016	405
Coney Island Canal	August	2014	150
Flood Gate at SJR at Old River	July	2014	300
Tidal Gate at Middle River	September	2015	300
Flood Gate at Sacramento River at Meadows Slough	April	2014	300
Tidal Gate w/Boat Lock at Snodgrass Slough	October	2016	350
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	July	2015	350
Frank's Tract (Type III Barrier w/Boat Lock)	February	2017	300
Three Mile Slough (Type III Barrier)	June	2014	450
Fisherman's Cut (Type III Barrier w/Boat Lock)	February	2016	250
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	April	2018	150
Connection Slough (Type III Barrier w/Boat Lock)	February	2018	150
Railroad Cut (Type III Barrier w/Boat Lock)	October	2018	150
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	November	2018	150
Intertie Channel from CCF to DMC Approach	January	2018	150
Control Gate in DMC Approach	January	2017	250
Victoria Canal Dredging	February	2014	865
Middle River Dredging	June	2017	850
Re-Channeling for River's End Marina Diversion	April	2016	132
Levee for Victoria Canal Enlargement	July	2014	200
Intertie Channel at CCF Perimeter Road Bridge	September	2016	264
Intertie Channel at Herdlyn Road Bridge	January	2017	264

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1 **Table 22B-4a. Alternative 4 (Modified Pipeline/Tunnel Alignment) Construction Schedule**

Phase	Start Month	Start Year	Days
<b>Intake 1</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1a)		
<b>Intake 2</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1a)		
<b>Intake 3</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1a)		
<b>Intake 4</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1a)		
<b>Intake 5</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1a)		
<b>Pumping Plant 1</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1b)		
<b>Pumping Plant 2</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1b)		
<b>Pumping Plant 3</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1b)		
<b>Pumping Plant 4</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1b)		
<b>Pumping Plant 5</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1b)		
<b>Intermediate Pumping Plant</b>	Same as Pipeline Tunnel Alignment (see Table 22B-1c)		
<b>Pipelines</b>	Same as Pipeline Tunnel Alignment (see Tables 22B-1d and 22B-1e)		
<b>Utilities</b>			
Temporary Power SMAQMD (230 kV)	February	2016	272
Temporary Power SJVAPCD (34.5 kV)	November	2016	76
Temporary Power SJVAPCD (230 kV)	November	2016	1309
Temporary Power BAAQMD (230 kV)	February	2017	864
Permanent Power SMAQMD (69 kV)	September	2016	17
Permanent Power SMAQMD (230 kV)	September	2016	998
<b>Forebays</b>			
Intermediate Forebay	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
Byron Tract Forebay (Clifton Court)			
Dewatering	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
Pump Install & Maintain	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
Remove Unsuitable-Export	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
Cut/Fill-Build Levees			
Scraper Cut/Fill	March	2019	218
Slope Finish	March	2019	47
Bottom Finish	March	2019	81
Levee Top Finish	March	2019	12
Export Suitable	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
Slope Protection	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
Primary Maintenance Road	Same as Pipeline Tunnel Alignment (see Table 22B-1i)		
<b>Control Structures</b>	Same as Pipeline Tunnel Alignment (see Table 22B-j)		
<b>Head of Old River Barrier</b>	Same as Pipeline Tunnel Alignment (see Table 22B-j)		
<b>Expanded Clifton Court</b>			
East Side Embankment			
Clearing and Grubbing	October	2018	30
Dewatering/Underwatering	October	2018	545
Sheetpile Cell	October	2018	208
Excavation	November	2019	109
Embankment	December	2019	277
Remove Sheetpiles	January	2021	104
Area Restoration	March	2021	30
Demobilization	May	2021	21

Phase	Start Month	Start Year	Days
West Side Embankment			
Clearing and Grubbing	July	2019	30
Dewatering/Underwatering	July	2019	528
Sheetpile Cell	July	2019	206
Excavation	September	2020	103
Embankment	October	2020	262
Remove Sheetpiles	September	2021	103
Area Restoration	January	2022	30
Demobilization	January	2022	21
Partition Forebay			
Clearing and Grubbing	April	2020	30
Dewatering/Underwatering	April	2020	686
Sheetpile Cell	April	2020	369
Excavation	December	2021	202
Embankment	January	2022	257
Remove Sheetpiles	January	2023	185
Area Restoration	March	2023	30
Demobilization	September	2023	21
North Side Embankment			
Clearing and Grubbing	April	2020	30
Dewatering/Underwatering	April	2020	497
Sheetpile Cell	April	2020	188
Excavation	March	2021	98
Embankment	April	2021	249
Remove Sheetpiles	March	2022	94
Area Restoration	June	2022	30
Demobilization	July	2022	21
CCF Embankment Removal			
Clearing and Grubbing	April	2021	30
Dewatering/Underwatering	April	2021	740
Sheetpile Cell	April	2021	573
Excavation	January	2024	127
Remove Sheetpiles	March	2024	144
Demobilization	December	2024	21
Dredge Forebay			
Dredge Forebay	September	2021	534

## 1 Table 22B-4b. Alternative 4 (Modified Pipeline/Tunnel Alignment) Construction Schedule

<b>Tunnel</b>						
<b>Reach #1</b>						
Retrieval Shaft	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Muck Disposal Shafts		
Muck Disposal Shafts	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Load & Haul excavated materials	July	2019 244.33
23' ID Tunnel 115+00 => 267+00 *				33 ft Tunnel A *		
Set Up For Tunnel Excavation	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Set Up For Tunnel Excavation	July	2019 6.00
TBM & Vertical Conv. Assy.	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			TBM & Vertical Conv. Assy.	April	2019 83.00
Mine 26' Tunnel	December	2019	342	Mine 37' Tunnel	July	2019 1302
Tunnel Mining Surface Support	December	2020	503.00	Tunnel Mining Surface Support	July	2019 1562
Sunday Maint.	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Sunday Maint	November	2022 29.33
Remove TBM @ Launch Shaft	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			TBM Removal @ Retrieval Shaft	February	2023 2.00
Grout	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Grout Leakage	November	2022 87.00
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	February	2023 70.00
Final Lining over TBM Skin	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Equip Op Cost 24/7	April	2019 1452.33
Equip Op Cost 24/7	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			33 ft Tunnel B *		
Muck Disposal Tunnel	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Set Up For Tunnel Excavation	August	2019 6.00
<b>Reach #2</b>				TBM & Vertical Conv. Assy.	August	2019 83.00
Launch Shaft	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Mine 37' Tunnel	November	2019 1302
Intermediate Shaft	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Tunnel Mining Surface Support	November	2019 1562
Retrieval Shaft	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Sunday Maint	March	2023 29.33
Muck Disposal Shafts	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			TBM Removal @ Retrieval Shaft	May	2023 2.00
33ft Tunnel *				Grout Leakage	March	2023 87.00
Set Up For Tunnel Excavation	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	May	2023 70.00
TBM & Vertical Conv. Assy.	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Equip Op Cost 24/7	August	2019 1452.33
Mine 37' Tunnel	March	2019	827	Muck Disposal Tunnels		
Tunnel Mining Surface Support	March	2019	959.33	Muck Disposal	March	2019 342.00
Sunday Maint.	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			<b>Reach #6</b>		
Remove TBM @ Retrieval Shaft	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Launch Shaft A		
Grout Leakage	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Excavate and Support Shaft	October	2017 30.00

<b>Tunnel</b>							
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Invert work slab	January	2018	2.67
Equip Op Cost 24/7	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Shaft Invert & Wall Rebar	January	2018	7.33
Muck Disposal Tunnel	Same as Pipeline Tunnel Alignment (see Table 22B-1f)			Place invert slab	January	2018	1.00
<b>Reach #3</b>				Form Shaft Walls	January	2018	6.00
Launch Shaft				Place Shaft Walls	January	2018	2.00
Excavate and Support Shaft	February	2018	30	Clean Shaft Invert	January	2018	1.00
Invert work slab	December	2017	3	Shaft Tunnel Invert Pour	January	2018	0.67
Shaft Invert & Wall Rebar	February	2018	7	Tunnel & Riser Rebar	January	2018	6.00
Place invert slab	February	2018	1	Tunnel & Riser Forms	January	2018	9.67
Form Shaft Walls	February	2018	6	Place tunnel & Riser concrete	March	2018	1.67
Place Shaft Walls	February	2018	2	Controlled Density Fill	April	2018	14.00
Clean Shaft Invert	February	2018	1	Launch Shaft B			
Shaft Tunnel Invert Pour	February	2018	1	Excavate and Support Shaft	August	2017	30.00
Tunnel & Riser Rebar	February	2018	6	Invert work slab	November	2017	2.67
Tunnel & Riser Forms	February	2018	10	Shaft Invert & Wall Rebar	February	2018	7.33
Place tunnel & Riser concrete	February	2018	2	Place invert slab	February	2018	1.00
Controlled Density Fill/Backfill	April	2018	14	Form Shaft Walls	February	2018	6.00
Intermediate Shaft				Place Shaft Walls	February	2018	2.00
Form & Place Shaft Collar	December	2018	1	Clean Shaft Invert	February	2018	1.00
Excavate and build tunnel / shaft collar	November	2018	3	Tunnel & Riser Rebar	February	2018	6.00
Install ladder / Vent & Cover	December	2018	1	Tunnel & Riser Forms	February	2018	9.67
Backfill Shaft	January	2019	3	Place tunnel & Riser concrete	April	2018	1.67
Retrieval Shaft				Controlled Density Fill	June	2018	14.00
Excavate Retrieval Shafts	September	2017	2	Intermediate Shaft A			
Invert prep	October	2017	5	Form & Place Shaft Collar	January	2019	1.33
Invert Rebar	October	2017	5	Excavate and build tunnel / shaft collar	December	2018	3.00
Place invert slab	January	2018	8	Install ladder / Vent & Cover	January	2019	0.67
Clean Shaft Invert	January	2018	8	Backfill Shaft	January	2019	2.67
Tunnel Forms	January	2018	8	Intermediate Shaft B			
Tunnel Rebar	January	2018	8	Form & Place Shaft Collar	March	2019	1.33
Place tunnel concrete	January	2018	8	Excavate and build tunnel / shaft collar	February	2019	3.00

<b>Tunnel</b>							
Controlled Density Fill	January	2018	8	Install ladder / Vent & Cover	March	2019	0.67
Muck Disposal Shafts				Backfill Shaft	March	2019	2.67
Load & Haul excavated materials	February	2018	244	Retrieval Shaft			
33 ft Tunnel *				Excavate Retrieval Shafts	August	2019	8.00
Set Up For Tunnel Excavation	February	2019	6	Invert prep	June	2019	0.67
TBM & Vertical Conv. Assy.	February	2019	76	Invert Rebar	June	2019	0.67
Mine 37' Tunnel	April	2019	623	Place invert slab	September	2019	0.33
Tunnel Mining Surface Support	June	2019	503	Clean Shaft Invert	September	2019	1.00
Sunday Maint	May	2022	11	Tunnel Rebar	September	2019	1.46
TBM Removal @ Retrieval Shaft	August	2022	2	Tunnel Forms	September	2019	4.00
Grout Leakage	May	2022	38	Place tunnel concrete	September	2019	1.00
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	August	2022	33	Controlled Density Fill	September	2019	5.52
Final Lining over TBM Skin	July	2022	4	Muck Disposal Shafts			
Equip Op Cost 24/7	February	2019	611	Load & Haul excavated materials	November	2019	199.33
Muck Disposal Tunnels				33 ft Tunnel A *			
Muck Disposal	April	2023	317	Set Up For Tunnel Excavation	February	2019	6.00
<b>Reach #4</b>				TBM & Vertical Conv. Assy.	February	2019	76.00
Launch Shaft A				Mine 37' Tunnel	April	2019	1344
Excavate and Support Shaft	July	2017	30.00	Tunnel Mining Surface Support	April	2019	1613
Invert work slab	October	2017	2.67	Sunday Maint	September	2022	27.00
Shaft Invert & Wall Rebar	December	2017	7.33	TBM Removal @ Retrieval Shaft	September	2022	8.67
Place invert slab	December	2017	1.00	Grout Leakage	August	2022	83.00
Form Shaft Walls	January	2018	6.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	September	2022	68.00
Place Shaft Walls	January	2018	2.00	Final Lining over TBM Skin	September	2022	4.00
Clean Shaft Invert	January	2018	1.00	Equip Op Cost 24/7	February	2019	1500.00
Shaft Tunnel Invert Pour	January	2018	0.67	33 ft Tunnel B *			
Tunnel & Riser Rebar	January	2018	6.00	Set Up For Tunnel Excavation	May	2019	6.00
Tunnel & Riser Forms	January	2018	9.67	TBM & Vertical Conv. Assy.	May	2019	76.00
Place tunnel & Riser concrete	January	2018	1.67	Mine 37' Tunnel	July	2019	1344

<b>Tunnel</b>							
Controlled Density Fill	February	2018	14.00	Tunnel Mining Surface Support	July	2019	1613
Launch Shaft B				Sunday Maint	November	2022	27.33
Excavate and Support Shaft	July	2017	30.00	TBM Removal @ Retrieval Shaft	January	2023	8.67
Invert work slab	October	2017	2.67	Grout Leakage	November	2022	83.00
Shaft Invert & Wall Rebar	January	2018	7.33	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	January	2023	68.00
Place Invert Slab	January	2018	1.00	Final Lining over TBM Skin	January	2023	4.00
Form Shaft Walls	January	2018	6.00	Equip Op Cost 24/7	May	2019	1,500.00
Place Shaft Walls	January	2018	2.00	Muck Disposal Tunnels			
Clean Shaft Invert	January	2018	1.00	Muck Disposal	April	2023	327.00
Shaft Tunnel Invert Pour	January	2018	0.67	Reach #7			
Tunnel & Riser Rebar	January	2018	6.00	Launch Shaft A			
Tunnel & Riser Forms	January	2018	9.67	Excavate and Support Shaft	December	2017	30.00
Place tunnel & Riser concrete	February	2018	1.67	Invert work slab	October	2017	2.67
Controlled Density Fill	March	2018	14.00	Shaft Invert & Wall Rebar	January	2018	7.33
Intermediate Shaft A				Place invert slab	January	2018	1.00
Form & Place Shaft Collar	November	2018	1.33	Form Shaft Walls	January	2018	6.00
Excavate and build tunnel / shaft collar	October	2018	3.00	Place Shaft Walls	January	2018	2.00
Install ladder / Vent & Cover	November	2018	0.67	Clean Shaft Invert	January	2018	1.00
Backfill Shaft	November	2018	2.67	Shaft Tunnel Invert Pour	January	2018	0.67
Intermediate Shaft B				Tunnel & Riser Rebar	January	2018	6.00
Form & Place Shaft Collar	November	2018	1.33	Tunnel & Riser Forms	January	2018	9.67
Excavate and build tunnel / shaft collar	October	2018	6.67	Place tunnel & Riser concrete	March	2018	1.67
Tunnel / Shaft Collar	November	2018	3.00	Controlled Density Fill	April	2018	14.00
Install ladder / Vent & Cover	November	2018	0.67	Launch Shaft B			
Backfill	November	2018	2.67	Excavate and Support Shaft	February	2018	30.00
Retrieving Shaft A				Invert work slab	December	2017	2.67
Excavate Retrieval Shafts	March	2019	8.00	Shaft Invert & Wall Rebar	February	2018	7.33
Invert prep	April	2019	0.67	Place invert slab	February	2018	1.00
Invert Rebar	April	2019	0.67	Form Shaft Walls	February	2018	6.00
Place invert slab	July	2019	0.33	Place Shaft Walls	February	2018	2.00
Clean Shaft Invert	July	2019	0.33	Clean Shaft Invert	February	2018	1.00

<b>Tunnel</b>							
Elbow & Riser Forms	July	2019	8.67	Shaft Tunnel Invert Pour	February	2018	0.67
Elbow & Riser Rebar	July	2019	9.33	Tunnel & Riser Rebar	February	2018	6.00
Place Elbow & Riser concrete	July	2019	2.33	Tunnel & Riser Forms	February	2018	9.67
Controlled Density Fill	July	2019	2.67	Place tunnel & Riser concrete	April	2018	1.67
Retrieving Shaft B				Controlled Density Fill	June	2018	14.00
Excavate Retrieval Shafts	May	2019	8.00	Intermediate Shaft A			
Invert prep	May	2019	0.67	Form & Place Shaft Collar	December	2018	1.33
Invert Rebar	May	2019	0.67	Excavate and build tunnel / shaft collar	November	2018	3.00
Place invert slab	September	2019	0.33	Install ladder / Vent & Cover	December	2018	0.67
Clean Shaft Invert	September	2019	0.33	Backfill Shaft	December	2018	2.67
Elbow & Riser Forms	September	2019	8.67	Intermediate Shaft B			
Elbow & Riser Rebar	September	2019	9.33	Form & Place Shaft Collar	March	2019	1.33
Place Elbow & Riser concrete	September	2019	2.33	Excavate and build tunnel / shaft collar	February	2019	3.00
Controlled Density Fill	September	2019	2.67	Install ladder / Vent & Cover	March	2019	0.67
Muck Disposal Shafts				Backfill Shaft	March	2019	2.67
Load & Haul excavated materials	October	2019	322.67	Retrieval Shaft A			
33 ft Tunnel A *				Excavate Retrieval Shafts	April	2019	1.67
Set Up For Tunnel Excavation	January	2019	6.00	Invert prep	May	2019	5.00
Mine 37' Tunnel	March	2019	1,027	Invert Rebar	May	2019	5.00
Tunnel Mining Surface Support	March	2019	1,232	Place invert slab	May	2019	8.00
Sunday Maint	September	2021	22.00	Clean Shaft Invert	May	2019	8.00
TBM Removal @ Retrieval Shaft	October	2021	8.67	Tunnel Forms	May	2019	8.00
Grout Leakage	October	2021	66.00	Tunnel Rebar	May	2019	8.00
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	October	2021	52.00	Place tunnel concrete	May	2019	8.00
Equip Op Cost 24/7	January	2019	1130.33	Controlled Density Fill	August	2019	8.00
33 ft Tunnel B *				Retrieval Shaft B			
Set Up For Tunnel Excavation	February	2019	6.00	Excavate Retrieval Shafts	June	2019	1.67
TBM & Vertical Conv. Assy.	February	2019	83.00	Invert prep	August	2019	5.00
Mine 37' Tunnel	March	2019	1,027	Invert Rebar	August	2019	5.00
Tunnel Mining Surface Support	March	2019	1,232	Place invert slab	November	2019	8.00
Sunday Maint	January	2022	22.00	Clean Shaft Invert	November	2019	8.00

<b>Tunnel</b>							
TBM Removal @ Retrieval Shaft	January	2022	8.67	Tunnel Forms	November	2019	8.00
Grout Leakage	April	2022	66.00	Tunnel Rebar	November	2019	8.00
Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	January	2022	52.00	Place tunnel concrete	November	2019	8.00
Equip Op Cost 24/7	February	2019	1130.33	Controlled Density Fill	November	2020	8.00
Muck Disposal Tunnels							
Muck Disposal	May	2022	266.33	Muck Disposal Shafts			
<u>Reach #5</u>				Load & Haul excavated materials	November	2019	244.33
Launch Shaft A				33 ft Tunnel A *			
Excavate and Support Shaft	July	2017	30.00	Set Up For Tunnel Excavation	May	2019	6.00
Shaft Invert & Wall Rebar	November	2017	7.33	TBM & Vertical Conv. Assy.	May	2019	76.00
Place invert slab	November	2017	1.00	Mine 37' Tunnel	July	2019	1345
Form Shaft Walls	November	2017	6.00	Tunnel Mining Surface Support	July	2019	1614
Place Shaft Walls	November	2017	2.00	Sunday Maint	September	2022	26.67
Clean Shaft Invert	November	2017	1.00	TBM Removal @ Retrieval Shaft	November	2022	8.67
Shaft Tunnel Invert	November	2017	0.67	Grout Leakage	September	2022	83.00
Tunnel & Riser Rebar	November	2017	6.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	November	2022	68.00
Tunnel & Riser Forms	January	2018	9.67	Equip Op Cost 24/7	May	2019	1373.06
Place tunnel & Riser concrete	February	2018	1.67	33 ft Tunnel B *			
Controlled Density Fill	March	2018	14.00	Set Up For Tunnel Excavation	August	2019	6.00
Launch Shaft B				TBM & Vertical Conv. Assy.	October	2019	1345
Excavate and Support Shaft	July	2017	30.00	Mine 37' Tunnel	October	2019	1614
Invert work slab	November	2017	2.67	Tunnel Mining Surface Support	December	2019	1177.00
Shaft Invert & Wall Rebar	January	2018	7.33	Sunday Maint	January	2023	26.67
Place invert slab	January	2018	1.00	TBM Removal @ Retrieval Shaft	January	2023	8.67
Form Shaft Walls	January	2018	6.00	Grout Leakage	January	2023	83.00
Place Shaft Walls	January	2018	2.00	Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	January	2023	68.00
Clean Shaft Invert	January	2018	1.00	Equip Op Cost 24/7	August	2019	1373.00

<b>Tunnel</b>							
Shaft Tunnel Invert Pour	January	2018	0.67	Muck Disposal Tunnels			
Tunnel & Riser Rebar	January	2018	6.00	Muck Disposal	May	2023	322.00
Tunnel & Riser Forms	January	2018	9.67				
Place tunnel & Riser concrete	March	2018	1.67				
Controlled Density Fill	May	2018	14.00				
<b>Intermediate Shaft A</b>							
Form & Place Shaft Collar	December	2018	1.33				
Excavate and build tunnel / shaft collar	December	2018	3.00				
Install ladder / Vent & Cover	December	2018	0.67				
Backfill Shaft	December	2018	2.67				
<b>Intermediate Shaft B</b>							
Form & Place Shaft Collar	November	2018	1.33				
Excavate and build tunnel / shaft collar	November	2018	3.00				
Install ladder / Vent & Cover	November	2018	0.67				
Backfill	December	2018	2.67				
<b>Retrieving Shaft A</b>							
Excavate Retrieval Shafts	May	2019	8.00				
Invert prep	June	2019	0.67				
Invert Rebar	June	2019	0.67				
Place invert slab	September	2019	0.33				
Clean Shaft Invert	September	2019	1.00				
Elbow & Riser Forms	September	2019	1.46				
Elbow & Riser Rebar	September	2019	4.00				
Place Elbow & Riser concrete	September	2019	1.00				
Controlled Density Fill	September	2019	5.52				
<b>Retrieving Shaft B</b>							
Excavate Retrieval Shafts	May	2019	8.00				
Invert prep	June	2019	0.67				
Invert Rebar	June	2019	0.67				
Place invert slab	September	2019	0.33				
Clean Shaft Invert	September	2019	1.00				
Elbow & Riser Forms	September	2019	0.67				
Elbow & Riser Rebar	September	2019	1.46				
Place Elbow & Riser concrete	September	2019	4.00				
Controlled Density Fill	September	2019	1.00				

\* Tunnel size for modeling purposes only. Please refer to Appendix 3C for actual tunnel diameters.

1 **Table 22B-4c. Alternative 4 (Modified Pipeline/Tunnel Alignment) Construction Schedule**

<b>Siphons</b>							
<u>Main Tunnel Siphon</u>				Phase 2	March	2021	20
Phase 1				Clearing & Grubbing / Demolition	March	2021	477
Clearing & Grubbing / Demolition	June	2018	20	Dewatering / Unwatering	March	2021	507
Dewatering / Unwatering	July	2018	448	Erosion & Sediment Control BMP's	April	2021	60
Erosion & Sediment Control BMP's	July	2018	478	Sheetpile Cell	September	2021	33
Sheetpile Cell	July	2018	60	Excavation	October	2021	24
Excavation	February	2020	25	Pile Installation	October	2021	32
Pile Installation	March	2020	15	Slab On Grade	November	2021	52
Slab On Grade	April	2020	20	Siphon Walls	February	2022	32
Siphon Walls	May	2020	33	Siphon Roof	February	2022	58
Siphon Roof	June	2020	20	Backfill & Embankments	May	2022	21
Backfill & Embankments	July	2020	39	Waterway Reconstruction	June	2022	170
Waterway Reconstruction	August	2020	21	Inlet & Outlet Transition Structure			
Inlet & Outlet Transition Structure	September	2020	170	Upstream & Downstream Transitions	May	2020	4
Upstream & Downstream Transitions				Excavation/Grading	May	2020	2
Excavation/Grading	September	2020	4	Place Gravel Bedding	May	2020	30
Place Gravel Bedding	September	2020	2	Place Invert Slab Concrete:Plant & Operations	June	2020	7
Place Invert Slab Concrete:Plant & Operations	September	2020	30	Place Invert Slab Concrete:Placing Crews	June	2020	7

<b>Siphons</b>							
Place Invert Slab Concrete:Placing Crews	October	2020	7	Place Invert Slab Concrete:Finish	July	2020	3
Place Invert Slab Concrete:Finish	October	2020	7	Place Invert Slab Concrete:Point and Patch	July	2020	3
Place Invert Slab Concrete:Point and Patch	November	2020	3	Place Invert Slab Concrete:Treat CJ	July	2020	49
Place Invert Slab Concrete:Treat CJ	November	2020	3	Place Invert Slab Concrete:Cure & Cleanup	August	2020	18
Place Invert Slab Concrete:Cure & Cleanup	November	2020	49	Place Invert Slab Concrete:Formwork	June	2020	60
Place Invert Slab Concrete:Formwork	December	2020	18	Place Wall Concrete:Plant & Operations	June	2020	20
Place Wall Concrete:Plant & Operations	October	2020	60	Place Wall Concrete:Placing Crews	June	2020	6
Place Wall Concrete:Placing Crews	October	2020	20	Place Wall Concrete:Point and Patch	July	2020	6
Place Wall Concrete:Point and Patch	October	2020	6	Place Wall Concrete:Treat CJ	July	2020	4
Place Wall Concrete:Treat CJ	December	2020	6	Place Wall Concrete:Cure & Cleanup	July	2020	60
Place Wall Concrete:Cure & Cleanup	December	2020	4	Place Wall Concrete:Formwork	October	2020	2
Place Wall Concrete:Formwork	December	2020	60	Backfill (Including Embankment)			
Backfill (Including Embankment)	February	2021	2	Upstream & Downstream Control Structures	July	2020	3
Upstream & Downstream Control Structures				Excavation/Grading	July	2020	1
Excavation/Grading	November	2020	3	Place Gravel Bedding	July	2020	15

<b>Siphons</b>							
Place Gravel Bedding	November	2020	1	Drive Foundation Piles	August	2020	15
Drive Foundation Piles	November	2020	15	Place Invert Slab Concrete:Plant & Operations	August	2020	4
Place Invert Slab Concrete:Plant & Operations	December	2020	15	Place Invert Slab Concrete:Placing Crews	August	2020	4
Place Invert Slab Concrete:Placing Crews	December	2020	4	Place Invert Slab Concrete:Finish	August	2020	1
Place Invert Slab Concrete:Finish	December	2020	4	Place Invert Slab Concrete:Point and Patch	August	2020	1
Place Invert Slab Concrete:Point and Patch	December	2020	1	Place Invert Slab Concrete:Treat CJ	August	2020	10
Place Invert Slab Concrete:Treat CJ	December	2020	1	Place Invert Slab Concrete:Cure & Cleanup	August	2020	5
Place Invert Slab Concrete:Cure & Cleanup	December	2020	10	Place Invert Slab Concrete:Formwork	September	2020	20
Place Invert Slab Concrete:Formwork	December	2020	5	Place Wall Concrete:Plant & Operations	September	2020	6
Place Wall Concrete:Plant & Operations	January	2021	20	Place Wall Concrete:Placing Crews	September	2020	12
Place Wall Concrete:Placing Crews	January	2021	6	Place Wall Concrete:Point and Patch	October	2020	15
Place Wall Concrete:Point and Patch	January	2021	12	Place Wall Concrete:Cure & Cleanup	October	2020	3
Place Wall Concrete:Cure & Cleanup	February	2021	15	Backfill (Including Embankment)	February	2023	30
Backfill (Including Embankment)	February	2021	3	Remove Sheetpiles	February	2023	30
Remove Sheetpiles	June	2021	30	Area Restoration	March	2023	20

<b>Siphons</b>							
Area Restoration	June	2021	30	Demobilization	March	2021	20
Demobilization	July	2021	20	<u>Byron Highway</u>			
Phase 2				Clearing & Grubbing / Demolition	September	2019	20
Clearing & Grubbing / Demolition	September	2021	20	Dewatering / Unwatering	September	2019	529
Dewatering / Unwatering	September	2021	817	Erosion & Sediment Control BMP's	September	2019	559
Erosion & Sediment Control BMP's	September	2021	847	Build Highway Detour and Railroad Shoofly			
Sheetpile Cell	October	2021	60	Detour Road			
Excavation	March	2022	25	Demolition (Remove Road)	October	2019	20
Pile Installation	April	2022	15	Place Road and Bedding	November	2019	44
Slab On Grade	May	2022	20	Pave Road/Striping	December	2019	24
Siphon Walls	June	2022	33	Shoofly			
Siphon Roof	July	2022	20	Rails/Ballast/subBallast	October	2019	84
Backfill & Embankments	July	2022	39	Excavation	April	2020	30
Waterway Reconstruction	October	2022	21	Pile Installation	May	2020	24
Inlet & Outlet Transition Structure	April	2023	170	Slab On Grade	June	2020	33
Upstream & Downstream Transitions				Siphon Walls	June	2020	53
Excavation/Grading	April	2023	4	Siphon Roof	August	2020	33
Place Gravel Bedding	April	2023	2	Backfill & Embankments	September	2020	30
Place Invert Slab Concrete:Plant & Operations	April	2023	30	Railroad and Highway Reconstruction			
Place Invert Slab Concrete:Placing Crews	May	2023	7	Highway			

<b>Siphons</b>							
Place Invert Slab Concrete:Finish	May	2023	7	Place Road and Bedding	October	2020	80
Place Invert Slab Concrete:Point and Patch	June	2023	3	Pave Road/Striping	November	2020	24
Place Invert Slab Concrete:Treat CJ	June	2023	3	Railroad			
Place Invert Slab Concrete:Cure & Cleanup	June	2023	49	Rails/Ballast/subBallast	October	2020	80
Place Invert Slab Concrete:Formwork	July	2023	18	Inlet & Outlet Transition Structure	February	2021	170
Place Wall Concrete:Plant & Operations	May	2023	60	Upstream & Downstream Transitions			
Place Wall Concrete:Placing Crews	May	2023	20	Excavation/Grading	February	2021	4
Place Wall Concrete:Point and Patch	May	2023	6	Place Gravel Bedding	February	2021	2
Place Wall Concrete:Treat CJ	July	2023	6	Place Invert Slab Concrete:Plant & Operations	February	2021	30
Place Wall Concrete:Cure & Cleanup	July	2023	4	Place Invert Slab Concrete:Placing Crews	March	2021	7
Place Wall Concrete:Formwork	July	2023	60	Place Invert Slab Concrete:Finish	March	2021	7
Backfill (Including Embankment)	September	2023	2	Place Invert Slab Concrete:Point and Patch	April	2021	3
Upstream & Downstream Control Structures				Place Invert Slab Concrete:Treat CJ	April	2021	3
Excavation/Grading	June	2023	3	Place Invert Slab Concrete:Cure & Cleanup	April	2021	49
Place Gravel Bedding	June	2023	1	Place Invert Slab Concrete:Formwork	May	2021	18
Drive Foundation Piles	June	2023	15	Place Wall Concrete:Plant &	March	2021	60

<b>Siphons</b>							
				Operations			
Place Invert Slab Concrete:Plant & Operations	July	2023	15	Place Wall Concrete:Placing Crews	March	2021	20
Place Invert Slab Concrete:Placing Crews	July	2023	4	Place Wall Concrete:Point and Patch	March	2021	6
Place Invert Slab Concrete:Finish	July	2023	4	Place Wall Concrete:Treat CJ	May	2021	6
Place Invert Slab Concrete:Point and Patch	July	2023	1	Place Wall Concrete:Cure & Cleanup	May	2021	4
Place Invert Slab Concrete:Treat CJ	July	2023	1	Place Wall Concrete:Formwork	May	2021	60
Place Invert Slab Concrete:Cure & Cleanup	July	2023	10	Backfill (Including Embankment)	July	2021	2
Place Invert Slab Concrete:Formwork	July	2023	5	Upstream & Downstream Control Structures			
Place Wall Concrete:Plant & Operations	August	2023	20	Excavation/Grading	April	2021	3
Place Wall Concrete:Placing Crews	August	2023	6	Place Gravel Bedding	April	2021	1
Place Wall Concrete:Point and Patch	August	2023	12	Drive Foundation Piles	April	2021	15
Place Wall Concrete:Cure & Cleanup	September	2023	15	Place Invert Slab Concrete:Plant & Operations	May	2021	15
Backfill (Including Embankment)	September	2023	3	Place Invert Slab Concrete:Placing Crews	May	2021	4
Remove Sheetpiles	November	2023	30	Place Invert Slab Concrete:Finish	May	2021	4
Area Restoration	November	2023	30	Place Invert Slab Concrete:Point and Patch	May	2021	1
Demobilization	January	2024	20	Place Invert Slab	May	2021	1

<b>Siphons</b>							
				Concrete:Treat CJ			
<u>North Forebay</u>				Place Invert Slab Concrete:Cure & Cleanup	May	2021	10
Phase 1				Place Invert Slab Concrete:Formwork	May	2021	5
Clearing & Grubbing / Demolition	February	2019	20	Place Wall Concrete:Plant & Operations	June	2021	20
Dewatering / Unwatering	February	2019	477	Place Wall Concrete:Placing Crews	June	2021	6
Erosion & Sediment Control BMP's	February	2019	507	Place Wall Concrete:Point and Patch	June	2021	12
Sheetpile Cell	March	2019	60	Place Wall Concrete:Cure & Cleanup	July	2021	15
Excavation	August	2019	33	Backfill (Including Embankment)	July	2021	3
Pile Installation	September	2019	24	Area Restoration	October	2021	30
Slab On Grade	October	2019	32	Demobilization	December	2021	20
Siphon Walls	October	2019	52				
Siphon Roof	December	2019	32				
Backfill & Embankments	January	2020	58				
Waterway Reconstruction	April	2020	21				
Inlet & Outlet Transition Structure	May	2020	170				
Upstream & Downstream Transitions							
Excavation/Grading	April	2023	4				
Place Gravel Bedding	April	2023	2				
Place Invert Slab Concrete:Plant & Operations	April	2023	30				

<b>Siphons</b>							
Place Invert Slab Concrete:Placing Crews	May	2023	7				
Place Invert Slab Concrete:Finish	May	2023	7				
Place Invert Slab Concrete:Point and Patch	June	2023	3				
Place Invert Slab Concrete:Treat CJ	June	2023	3				
Place Invert Slab Concrete:Cure & Cleanup	June	2023	49				
Place Invert Slab Concrete:Formwork	July	2023	18				
Place Wall Concrete:Plant & Operations	May	2023	60				
Place Wall Concrete:Placing Crews	May	2023	20				
Place Wall Concrete:Point and Patch	May	2023	6				
Place Wall Concrete:Treat CJ	July	2023	6				
Place Wall Concrete:Cure & Cleanup	July	2023	4				
Place Wall Concrete:Formwork	July	2023	60				
<b>Backfill (Including Embankment)</b>	September	2023	2				
Remove Sheetpiles	January	2021	30				
Area Restoration	January	2021	30				
Demobilization	February	2021	20				

1 **Table 22B-4d. Alternative 4 (Modified Pipeline/Tunnel Alignment) Construction Schedule**

Canals							
Clear and Grub	October	2019	23	Dewater Canal Exc Area			
Demolition of Structures	October	2019	23	Excavate Trenches	December	2019	184
Overexcavate & Replace Under Embankments				Operate Pumps	January	2020	276
Dewatering Embankment Area				Pump Install and Maintain	January	2020	276
Excavate Trenches	October	2019	23	Construct/Remove Sedimentation Ponds	January	2020	69
Operate Pumps	October	2019	92	Import and Place as Embankment			
Pump Install and Maintain	October	2019	46	Import and Place : Haul from Borrow, 100 T Tr <2500	February	2020	276
Construct/Remove Sedimentation Ponds	October	2019	23	Embankment Finish			
Waste Unsuitable Material				Slope Finish	November	2020	92
Unsuitable to ROW Spoil Berm	October	2019	23	Channel Bottom Finish	November	2020	92
Unsuitable to Borrow Backfill 5 Truck	October	2019	23	Embankment Top Finish	November	2020	92
Scarify and Recompact Canal Invert	October	2019	10	Other Flat Area Finish	November	2020	92
Flip Flop Non Organics	November	2019	23	Haul Roads			
Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	November	2019	92	Overexc and Recompact 40'W X3'Dx <7 Miles : Excavate Overburden to 3' Depth :	November	2019	35
On-Site Excavation				Overexc and Recompact 40'W X3'Dx <7 Miles : Refill from Borrow :	November	2019	35
Export Unsuitable Material				Remove Haul Road Base	December	2020	46
Unsuitable from Canal Excavation to ROW Berms	January	2020	92	Maintain Haul Roads	November	2019	46
Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck	January	2020	92	Drainage			
Cut and Fill Suitable Material				Export Unsuitable Material	May	2020	69
Canal Exc To Replace Unsuit Exc Under Embankment	February	2020	161	Finish Grade Ditch	May	2020	69
Canal Exc To Canal Embankment Lower Section	February	2020	161	SWPPP	October	2019	85
Canal Exc To Dry Bed For Emb. Top Out	February	2020	161				
Canal Exc To Dry Bed Reach To Reach	February	2020	161				
Moisture Condition Suitable Material							
Construction Drying Beds	January	2020	184				
Double Handle Suitable	January	2020	184				
Operate Drying Beds	January	2020	184				

2

1 **Table 22B-5. Summary of Construction Off-Road Equipment, On-Road Vehicles, Locomotives, Marine Vessels, and Helicopters for**  
 2 **Construction of the Water Conveyance Facilities Associated with Alternatives 1A, 2A, and 6A (Pipeline/Tunnel Alignment)**

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Plate Compactors	7	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDA Passenger	-	17	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Other Construction Equipment	325	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Cranes	350	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	14	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDA Passenger	-	13	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Dewatering:	Off-Highway Trucks	479	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Dewatering:	Pumps	10	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDA Passenger	-	17	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Plate Compactors	7	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	22	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Other Construction Equipment	325	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	2	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	12	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat C]	Air Compressors	123	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	12	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDA Passenger	-	13	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Dewatering:	Pumps	10	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Dewatering:	Off-Highway Trucks	479	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Plate Compactors	7	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDA Passenger	-	17	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Plate Compactors	7	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDA Passenger	-	17	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	LDA Passenger	-	13	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Plate Compactors	7	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDA Passenger	-	17	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Other Construction Equipment	325	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	LDA Passenger	-	18	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	6	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Off-Highway Trucks	500	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDA Passenger	-	13	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	10	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	16	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	T7 Heavy Duty	-	4	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	Off-Highway Trucks	500	16	Offroad Equip
Control Structure	Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions: Excavate To Export:	LDA Passenger	-	13	Employees
Pipeline	Pipeline A: Excavate & Stockpile For Reuse As BF: Excavate & Haul-Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline A: Excavate & Stockpile For Reuse As BF: Excavate & Haul-Stockpile	Excavators	608	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline A: Excavate & Stockpile For Reuse As BF: Excavate & Haul-Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Excavate & Stockpile For Reuse As BF: Excavate & Haul-Stockpile	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline A: Excavate & Stockpile For Reuse As BF: Excavate & Haul-Stockpile	LDA Passenger	-	12	Employees
Pipeline	Pipeline A: Air & Vacuum Release: Air & Vacuum Release	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Air & Vacuum Release: Air & Vacuum Release	LDA Passenger	-	18	Employees
Pipeline	Pipeline A: Clear & Grub/Demolition:	Other Material Handling Equipment	35	8	Offroad Equip
Pipeline	Pipeline A: Clear & Grub/Demolition:	Excavators	128	8	Offroad Equip
Pipeline	Pipeline A: Clear & Grub/Demolition:	Rubber Tired Dozers	140	16	Offroad Equip
Pipeline	Pipeline A: Clear & Grub/Demolition:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Clear & Grub/Demolition:	T7 Heavy Duty	-	16	Trucks
Pipeline	Pipeline A: Clear & Grub/Demolition:	LDA Passenger	-	16	Employees
Pipeline	Pipeline A: Dewatering For Conduits: Sumps & Pumps	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline A: Dewatering For Conduits: Sumps & Pumps	Pumps	10	8	Offroad Equip
Pipeline	Pipeline A: Dewatering For Conduits: Sumps & Pumps	LDA Passenger	-	3	Employees
Pipeline	Pipeline A: Dewatering For Conduits: Sumps & Pumps	LDA Passenger	-	3	Employees
Pipeline	Pipeline A: Dewatering For Conduits: USED DEEP WELLS.	Pumps	10	8	Offroad Equip
Pipeline	Pipeline A: Dewatering For Conduits: USED DEEP WELLS.	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline A: Dewatering For Conduits: USED DEEP WELLS.	LDA Passenger	-	3	Employees
Pipeline	Pipeline A: Dewatering For Conduits: USED DEEP WELLS.	LDA Passenger	-	3	Employees
Pipeline	Pipeline A: Excavate & Haul Off Excess: Export 1 Mile	Graders	285	8	Offroad Equip
Pipeline	Pipeline A: Excavate & Haul Off Excess: Export 1 Mile	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline A: Excavate & Haul Off Excess: Export 1 Mile	Excavators	608	8	Offroad Equip
Pipeline	Pipeline A: Excavate & Haul Off Excess: Export 1 Mile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Excavate & Haul Off Excess: Export 1 Mile	Off-Highway Trucks	500	32	Offroad Equip
Pipeline	Pipeline A: Excavate & Haul Off Excess: Export 1 Mile	LDA Passenger	-	18	Employees
Pipeline	Pipeline A: Pipe Procurement: Stage & Handle Pipe	Cranes	200	8	Offroad Equip
Pipeline	Pipeline A: Pipe Procurement: Stage & Handle Pipe	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline A: Pipe Procurement: Stage & Handle Pipe	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline A: Pipe Procurement: Stage & Handle Pipe	LDA Passenger	-	24	Employees
Pipeline	Pipeline A: Place Backfill: Load, Haul, Compact BF From Stockpile	Graders	215	8	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Load, Haul, Compact BF From Stockpile	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Load, Haul, Compact BF From Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Place Backfill: Load, Haul, Compact BF From Stockpile	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Load, Haul, Compact BF From Stockpile	LDA Passenger	-	10	Employees
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	Graders	215	8	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	Rollers	150	16	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	Rollers	3	32	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Place Backfill: Place Sand In Pipe Zone	LDA Passenger	-	28	Employees
Pipeline	Pipeline A: Place Pipe Bedding: Place Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline A: Place Pipe Bedding: Place Bedding	Rollers	150	8	Offroad Equip
Pipeline	Pipeline A: Place Pipe Bedding: Place Bedding	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Place Pipe Bedding: Place Bedding	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline A: Place Pipe Bedding: Place Bedding	LDA Passenger	-	8	Employees
Pipeline	Pipeline A: Regrade ROW: Restore Area-Grade To Drain	Graders	215	8	Offroad Equip
Pipeline	Pipeline A: Regrade ROW: Restore Area-Grade To Drain	Scrapers	150	8	Offroad Equip
Pipeline	Pipeline A: Regrade ROW: Restore Area-Grade To Drain	Rollers	150	8	Offroad Equip
Pipeline	Pipeline A: Regrade ROW: Restore Area-Grade To Drain	LDA Passenger	-	8	Employees
Pipeline	Pipeline A: Set & Weld Pipe: Place Pipe	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline A: Set & Weld Pipe: Place Pipe	Cranes	340	8	Offroad Equip
Pipeline	Pipeline A: Set & Weld Pipe: Place Pipe	LDA Passenger	-	18	Employees
Pipeline	Pipeline A: Set & Weld Pipe: Weld Pipe	T7 Heavy Duty	-	24	Trucks
Pipeline	Pipeline A: Set & Weld Pipe: Weld Pipe	LDA Passenger	-	12	Employees
Pipeline	Pipeline B: Backfill	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline B: Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline B: Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Backfill	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline B: Backfill	LDA Passenger	-	10	Employees
Pipeline	Pipeline B: Dewatering	Pumps	10	8	Offroad Equip
Pipeline	Pipeline B: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline B: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Pipeline B: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Pipeline B: Excavate & Export	Graders	285	8	Offroad Equip
Pipeline	Pipeline B: Excavate & Export	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline B: Excavate & Export	Excavators	608	8	Offroad Equip
Pipeline	Pipeline B: Excavate & Export	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Excavate & Export	Off-Highway Trucks	500	32	Offroad Equip
Pipeline	Pipeline B: Excavate & Export	LDA Passenger	-	10	Employees
Pipeline	Pipeline B: Excavate & Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline B: Excavate & Stockpile	Excavators	608	8	Offroad Equip
Pipeline	Pipeline B: Excavate & Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Excavate & Stockpile	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline B: Excavate & Stockpile	LDA Passenger	-	12	Employees
Pipeline	Pipeline B: Install & Remove Sheet Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline B: Install & Remove Sheet Piles	Cranes	200	8	Offroad Equip
Pipeline	Pipeline B: Install & Remove Sheet Piles	Welders	46	16	Offroad Equip
Pipeline	Pipeline B: Install & Remove Sheet Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Install & Remove Sheet Piles	LDA Passenger	-	14	Employees
Pipeline	Pipeline B: Place Pipe	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Place Pipe	Cranes	340	8	Offroad Equip
Pipeline	Pipeline B: Place Pipe	LDA Passenger	-	18	Employees
Pipeline	Pipeline B: Place Slurry Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Place Slurry Backfill	Cranes	350	8	Offroad Equip
Pipeline	Pipeline B: Place Slurry Backfill	LDA Passenger	-	10	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline B: Stage & Handle Pipe	LDA Passenger	-	24	Employees
Pipeline	Pipeline B: Stage & Handle Pipe	Cranes	200	8	Offroad Equip
Pipeline	Pipeline B: Stage & Handle Pipe	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Stage & Handle Pipe	Cranes	350	8	Offroad Equip
Pipeline	Pipeline B: Stage & Handle Pipe	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline B: Weld Dished Heads, 23'	Pumps	10	8	Offroad Equip
Pipeline	Pipeline B: Weld Dished Heads, 23'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Weld Dished Heads, 23'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline B: Weld Dished Heads, 23'	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline B: Weld Dished Heads, 23'	LDA Passenger	-	26	Employees
Pipeline	Pipeline B: Weld Manifold Tie-Ins, 23'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Weld Manifold Tie-Ins, 23'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline B: Weld Manifold Tie-Ins, 23'	T7 Heavy Duty	-	16	Trucks
Pipeline	Pipeline B: Weld Manifold Tie-Ins, 23'	LDA Passenger	-	26	Employees
Pipeline	Pipeline B: Weld Pipe	T7 Heavy Duty	-	32	Trucks
Pipeline	Pipeline B: Weld Pipe	LDA Passenger	-	16	Employees
Pipeline	Pipeline B: Weld Small Tie-Ins, 8'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline B: Weld Small Tie-Ins, 8'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline B: Weld Small Tie-Ins, 8'	T7 Heavy Duty	-	16	Trucks
Pipeline	Pipeline B: Weld Small Tie-Ins, 8'	LDA Passenger	-	26	Employees
Pipeline	Pipeline C: Dewatering	Pumps	10	8	Offroad Equip
Pipeline	Pipeline C: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline C: Dewatering	LDA Passenger	-	4	Employees
Pipeline	Pipeline C: Elevated Slab: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline C: Elevated Slab: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline C: Place Bedding	Air Compressors	48	2	Offroad Equip
Pipeline	Pipeline C: Place Bedding	Rubber Tired Loaders	164	4	Offroad Equip
Pipeline	Pipeline C: Place Bedding	Pumps	10	8	Offroad Equip
Pipeline	Pipeline C: Place Bedding	LDA Passenger	-	11	Employees
Pipeline	Pipeline C: Place Invert Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline C: Place Invert Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline C: Place Wall Concrete: Flow Meter Vault Con:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline C: Place Wall Concrete: Flow Meter Vault Con:	LDA Passenger	-	16	Employees
Pipeline	Pipeline C: Roof Falsework: Roof Falsework:	LDA Passenger	-	26	Employees
Pipeline	Pipeline D: 16 inch pipe: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 16 inch pipe: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline D: 16 inch pipe: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline D: 16 inch pipe: Place Pipe. 16':	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 16 inch pipe: Place Pipe. 16':	Cranes	340	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Pipe. 16':	LDA Passenger	-	18	Employees
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	Tractors/Loaders/ Backhoes	500	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 16 inch pipe: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline D: 16 inch pipe: Stage & Handle 16' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Stage & Handle 16' Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 16 inch pipe: Stage & Handle 16' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Stage & Handle 16' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline D: 16 inch pipe: Stage & Handle 16' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline D: 16 inch pipe: Weld Pipe:	T7 Heavy Duty	-	1	Trucks
Pipeline	Pipeline D: 16 inch pipe: Weld Pipe:	LDA Passenger	-	4	Employees
Pipeline	Pipeline D: 16' Pipe Fittings	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 16' Pipe Fittings	Cranes	340	8	Offroad Equip
Pipeline	Pipeline D: 16' Pipe Fittings	T7 Heavy Duty	-	32	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline D: 16' Pipe Fittings	LDA Passenger	-	34	Employees
Pipeline	Pipeline D: 8' Electric Butterfly Valves	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 8' Electric Butterfly Valves	Cranes	340	8	Offroad Equip
Pipeline	Pipeline D: 8' Electric Butterfly Valves	LDA Passenger	-	18	Employees
Pipeline	Pipeline D: 8 inch pipe: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 8 inch pipe: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline D: 8 inch pipe: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline D: 8 inch pipe: Place Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 8 inch pipe: Place Pipe:	Cranes	340	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Pipe:	LDA Passenger	-	18	Employees
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 8 inch pipe: Place Sand Backfill:	LDA Passenger	-	16	Employees
Pipeline	Pipeline D: 8 inch pipe: Stage & Handle 8' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Stage & Handle 8' Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: 8 inch pipe: Stage & Handle 8' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Stage & Handle 8' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline D: 8 inch pipe: Stage & Handle 8' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline D: 8 inch pipe: Weld Pipe:	T7 Heavy Duty	-	1	Trucks
Pipeline	Pipeline D: 8 inch pipe: Weld Pipe:	LDA Passenger	-	4	Employees
Pipeline	Pipeline D: Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline D: Backfill	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline D: Backfill	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline D: Backfill	LDA Passenger	-	10	Employees
Pipeline	Pipeline D: Excavate & Export	Graders	285	8	Offroad Equip
Pipeline	Pipeline D: Excavate & Export	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline D: Excavate & Export	Excavators	608	8	Offroad Equip
Pipeline	Pipeline D: Excavate & Export	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: Excavate & Export	Off-Highway Trucks	500	32	Offroad Equip
Pipeline	Pipeline D: Excavate & Export	LDA Passenger	-	18	Employees
Pipeline	Pipeline D: Excavate & Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline D: Excavate & Stockpile	Excavators	608	8	Offroad Equip
Pipeline	Pipeline D: Excavate & Stockpile	Graders	215	8	Offroad Equip
Pipeline	Pipeline D: Excavate & Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: Excavate & Stockpile	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline D: Excavate & Stockpile	LDA Passenger	-	12	Employees
Pipeline	Pipeline D: Flex Couplings	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline D: Flex Couplings	Cranes	340	8	Offroad Equip
Pipeline	Pipeline D: Flex Couplings	LDA Passenger	-	18	Employees
Pipeline	Pipeline D: Weld Dished Heads, 16'	T7 Heavy Duty	-	1	Trucks
Pipeline	Pipeline D: Weld Dished Heads, 16'	LDA Passenger	-	4	Employees
Pipeline	Pipeline D: Weld Manifold Tie-Ins	T7 Heavy Duty	-	1	Trucks
Pipeline	Pipeline D: Weld Manifold Tie-Ins	LDA Passenger	-	4	Employees
Pipeline	Pipeline D: Weld Small Tie-Ins, 8'	T7 Heavy Duty	-	1	Trucks
Pipeline	Pipeline D: Weld Small Tie-Ins, 8'	LDA Passenger	-	4	Employees
Pipeline	Pipeline E: 16 inch pipe: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: 16 inch pipe: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline E: 16 inch pipe: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline E: 16 inch pipe: Place Pipe. 16':	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline E: 16 inch pipe: Place Pipe, 16':	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Pipe, 16':	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	LDT1 Light Duty	-	13	Trucks
Pipeline	Pipeline E: 16 inch pipe: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline E: 16 inch pipe: Stage & Handle 16' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Stage & Handle 16' Pipe:	LDT1 Light Duty	-	16	Trucks
Pipeline	Pipeline E: 16 inch pipe: Stage & Handle 16' Pipe:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline E: 16 inch pipe: Stage & Handle 16' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Stage & Handle 16' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline E: 16 inch pipe: Stage & Handle 16' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline E: 16 inch pipe: Weld Pipe, 16':	LDA Passenger	-	4	Employees
Pipeline	Pipeline E: 23 inch pipe: Place Backfill Slurry:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline E: 23 inch pipe: Place Backfill Slurry:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: 23 inch pipe: Place Backfill Slurry:	LDA Passenger	-	8	Employees
Pipeline	Pipeline E: 23 inch pipe: Place Pipe, 23':	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: 23 inch pipe: Place Pipe, 23':	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: 23 inch pipe: Place Pipe, 23':	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: 23 inch pipe: Stage & Handle 23' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline E: 23 inch pipe: Stage & Handle 23' Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: 23 inch pipe: Stage & Handle 23' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline E: 23 inch pipe: Stage & Handle 23' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline E: 23 inch pipe: Stage & Handle 23' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline E: 23 inch pipe: Weld Pipe, 23':	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline E: 23 inch pipe: Weld Pipe, 23':	LDA Passenger	-	4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline E: Dished Heads, 16'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Dished Heads, 16'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Dished Heads, 16'	T7 Heavy Duty	-	40	Trucks
Pipeline	Pipeline E: Dished Heads, 16'	LDA Passenger	-	26	Employees
Pipeline	Pipeline E: Dished Heads, 23'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Dished Heads, 23'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Dished Heads, 23'	T7 Heavy Duty	-	24	Trucks
Pipeline	Pipeline E: Dished Heads, 23'	LDA Passenger	-	30	Employees
Pipeline	Pipeline E: Electric Butterfly Valves, 11'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Electric Butterfly Valves, 11'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Electric Butterfly Valves, 11'	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: Flex Couplings	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Flex Couplings	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Flex Couplings	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: Manifold Tie-Ins, 11'	T7 Heavy Duty	-	24	Trucks
Pipeline	Pipeline E: Manifold Tie-Ins, 11'	LDA Passenger	-	30	Employees
Pipeline	Pipeline E: Manifold Tie-Ins, 11'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Manifold Tie-Ins, 11'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Manifold Tie-Ins, 23'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Manifold Tie-Ins, 23'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Manifold Tie-Ins, 23'	T7 Heavy Duty	-	16	Trucks
Pipeline	Pipeline E: Manifold Tie-Ins, 23'	LDA Passenger	-	26	Employees
Pipeline	Pipeline E: Pipelines: Backfill:	Graders	285	16	Offroad Equip
Pipeline	Pipeline E: Pipelines: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline E: Pipelines: Backfill:	LDA Passenger	-	10	Employees
Pipeline	Pipeline E: Pipelines: Excavate & Export:	Graders	285	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Excavate & Export:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Excavate & Export:	Excavators	608	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline E: Pipelines: Excavate & Export:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Excavate & Export:	Off-Highway Trucks	500	32	Offroad Equip
Pipeline	Pipeline E: Pipelines: Excavate & Export:	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: Pipelines: Excavate & Stockpile:	Graders	285	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Excavate & Stockpile:	Excavators	608	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Excavate & Stockpile:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Excavate & Stockpile:	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline E: Pipelines: Excavate & Stockpile:	LDA Passenger	-	12	Employees
Pipeline	Pipeline E: Pipelines: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline E: Pipelines: Place Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Place Pipe:	Cranes	340	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Pipe:	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline E: Pipelines: Stage & Handle Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Stage & Handle Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Stage & Handle Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline E: Pipelines: Stage & Handle Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline E: Pipelines: Stage & Handle Pipe:	LDA Passenger	-	24	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline E: Pipelines: Weld Pipe:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline E: Pipelines: Weld Pipe:	LDA Passenger	-	4	Employees
Pipeline	Pipeline E: Valve Box Structure: Dewatering:	Pumps	10	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Dewatering:	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Dewatering:	LDA Passenger	-	3	Employees
Pipeline	Pipeline E: Valve Box Structure: Dewatering:	LDA Passenger	-	3	Employees
Pipeline	Pipeline E: Valve Box Structure: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Valve Box Structure: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Pipeline	Pipeline E: Valve Box Structure: Elevated Slab Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Elevated Slab Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline E: Valve Box Structure: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline E: Valve Box Structure: Place Bedding:	Air Compressors	48	2	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Place Bedding:	Rubber Tired Loaders	164	4	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Place Bedding:	Plate Compactors	7	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Place Bedding:	Pumps	10	2	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Place Bedding:	LDA Passenger	-	11	Employees
Pipeline	Pipeline E: Valve Box Structure: Place Concrete Fill In Piles:	Cranes	160	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Place Concrete Fill In Piles:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline E: Valve Box Structure: Place Concrete Fill In Piles:	LDA Passenger	-	8	Employees
Pipeline	Pipeline E: Valve Box Structure: Place Wall Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline E: Valve Box Structure: Place Wall Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline E: Valve Box Structure: Roof Falsework:	LDA Passenger	-	24	Employees
Pipeline	Pipeline F: Backfill	Graders	215	8	Offroad Equip
Pipeline	Pipeline F: Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline F: Backfill	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline F: Backfill	Plate Compactors	7	8	Offroad Equip
Pipeline	Pipeline F: Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline F: Backfill	T7 Heavy Duty	-	4	Trucks
Pipeline	Pipeline F: Backfill	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline F: Backfill	LDA Passenger	-	17	Employees
Pipeline	Pipeline F: Dewatering	Pumps	10	8	Offroad Equip
Pipeline	Pipeline F: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline F: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Pipeline F: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Pipeline F: Excavate & Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline F: Excavate & Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Pipeline F: Excavate & Stockpile	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline F: Excavate & Stockpile	Excavators	384	8	Offroad Equip
Pipeline	Pipeline F: Excavate & Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline F: Excavate & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Pipeline F: Excavate & Stockpile	LDA Passenger	-	18	Employees
Pipeline	Pipeline F: Place Bedding	Air Compressors	48	2	Offroad Equip
Pipeline	Pipeline F: Place Bedding	Rubber Tired Loaders	164	4	Offroad Equip
Pipeline	Pipeline F: Place Bedding	Plate Compactors	7	8	Offroad Equip
Pipeline	Pipeline F: Place Bedding	Pumps	10	2	Offroad Equip
Pipeline	Pipeline F: Place Bedding	LDA Passenger	-	11	Employees
Pipeline	Pipeline F: Place Roof Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline F: Place Roof Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline F: Roof Falsework: Roof Falsework:	LDA Passenger	-	26	Employees
Pipeline	Pipeline F: SOG Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline F: SOG Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline F: Wall Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline F: Wall Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline G: Backfill	Graders	215	8	Offroad Equip
Pipeline	Pipeline G: Backfill	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline G: Backfill	Rollers	150	8	Offroad Equip
Pipeline	Pipeline G: Backfill	Plate Compactors	7	8	Offroad Equip
Pipeline	Pipeline G: Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Backfill	T7 Heavy Duty	-	4	Trucks
Pipeline	Pipeline G: Backfill	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline G: Backfill	LDA Passenger	-	17	Employees
Pipeline	Pipeline G: Dewatering	Pumps	10	8	Offroad Equip
Pipeline	Pipeline G: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Pipeline G: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Pipeline G: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Pipeline G: Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pipeline	Pipeline G: Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pipeline	Pipeline G: Drive Foundation Piles	LDA Passenger	-	18	Employees
Pipeline	Pipeline G: Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline G: Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pipeline	Pipeline G: Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Graders	285	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Rubber Tired Dozers	410	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Graders	215	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Excavators	608	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	Pumps	24	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Excavate & Export	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Excavate & Export	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Pipeline G: Excavate & Export	LDA Passenger	-	22	Employees
Pipeline	Pipeline G: Excavate & Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Stockpile	Rubber Tired Dozers	310	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline G: Excavate & Stockpile	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Stockpile	Excavators	384	8	Offroad Equip
Pipeline	Pipeline G: Excavate & Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Excavate & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Pipeline G: Excavate & Stockpile	LDA Passenger	-	18	Employees
Pipeline	Pipeline G: Invert Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline G: Invert Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline G: Place Bedding	Air Compressors	48	2	Offroad Equip
Pipeline	Pipeline G: Place Bedding	Rubber Tired Loaders	164	4	Offroad Equip
Pipeline	Pipeline G: Place Bedding	Plate Compactors	7	8	Offroad Equip
Pipeline	Pipeline G: Place Bedding	Pumps	10	2	Offroad Equip
Pipeline	Pipeline G: Place Bedding	LDA Passenger	-	11	Employees
Pipeline	Pipeline G: Place Concrete Fill In Piles	LDA Passenger	-	8	Employees
Pipeline	Pipeline G: Place Concrete Fill In Piles	Cranes	160	8	Offroad Equip
Pipeline	Pipeline G: Place Concrete Fill In Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Rip Rap: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline G: Rip Rap: Place Bedding:	Rubber Tired Loaders	164	16	Offroad Equip
Pipeline	Pipeline G: Rip Rap: Place Bedding:	LDA Passenger	-	28	Employees
Pipeline	Pipeline G: Rip Rap: Place Fabric:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline G: Rip Rap: Place Fabric:	LDA Passenger	-	10	Employees
Pipeline	Pipeline G: Rip Rap: Place Riprap:	Rubber Tired Loaders	164	16	Offroad Equip
Pipeline	Pipeline G: Rip Rap: Place Riprap:	Excavators	163	8	Offroad Equip
Pipeline	Pipeline G: Rip Rap: Place Riprap:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline G: Rip Rap: Place Riprap:	LDA Passenger	-	12	Employees
Pipeline	Pipeline G: Wall Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline G: Wall Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline H: 11 Degree Bends, 33' Diameter	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 11 Degree Bends, 33' Diameter	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 11 Degree Bends, 33' Diameter	LDA Passenger	-	34	Employees
Pipeline	Pipeline H: 11 Degree Bends, 33' Diameter	T7 Heavy Duty	-	32	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: 11' Welds	LDA Passenger	-	4	Employees
Pipeline	Pipeline H: 11' Welds	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 11' X 16' Increaser	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 11' X 16' Increaser	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 11' X 16' Increaser	LDA Passenger	-	30	Employees
Pipeline	Pipeline H: 11' X 16' Increaser	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline H: 12 inch pipe: Place Pipe. 12':	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Place Pipe. 12':	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Pipe. 12':	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline H: 12 inch pipe: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Stage & Handle 12' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline H: 12 inch pipe: Stage & Handle 12' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Stage & Handle 12' Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Stage & Handle 12' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Stage & Handle 12' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline H: 12 inch pipe: Weld Pipe, 12':	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 12 inch pipe: Weld Pipe, 12':	LDA Passenger	-	4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: 16 inch pipe: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 16 inch pipe: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 16 inch pipe: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline H: 16 inch pipe: Place Pipe. 16':	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 16 inch pipe: Place Pipe. 16':	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Pipe. 16':	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	Tractors/Loaders/ Backhoes	500	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 16 inch pipe: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline H: 16 inch pipe: Stage & Handle 16' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Stage & Handle 16' Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 16 inch pipe: Stage & Handle 16' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Stage & Handle 16' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline H: 16 inch pipe: Stage & Handle 16' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline H: 16 inch pipe: Weld Pipe, 16':	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 16 inch pipe: Weld Pipe, 16':	LDA Passenger	-	4	Employees
Pipeline	Pipeline H: 16' Welds	LDA Passenger	-	4	Employees
Pipeline	Pipeline H: 16' Welds	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 16' X 22' Increaser	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 16' X 22' Increaser	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 16' X 22' Increaser	LDA Passenger	-	34	Employees
Pipeline	Pipeline H: 16' X 22' Increaser	T7 Heavy Duty	-	32	Trucks
Pipeline	Pipeline H: 22 inch pipe: Place Bedding:	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: 22 inch pipe: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Bedding:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 22 inch pipe: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 22 inch pipe: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline H: 22 inch pipe: Place Pipe. 22':	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 22 inch pipe: Place Pipe. 22':	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Pipe. 22':	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 22 inch pipe: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline H: 22 inch pipe: Stage & Handle 22' Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline H: 22 inch pipe: Stage & Handle 22' Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Stage & Handle 22' Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 22 inch pipe: Stage & Handle 22' Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Stage & Handle 22' Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline H: 22 inch pipe: Weld Pipe, 22':	LDA Passenger	-	4	Employees
Pipeline	Pipeline H: 22 inch pipe: Weld Pipe, 22':	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: 22' Welds	T7 Heavy Duty	-	32	Trucks
Pipeline	Pipeline H: 22' Welds	LDA Passenger	-	4	Employees
Pipeline	Pipeline H: 22' X 33' Increaser	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: 22' X 33' Increaser	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: 22' X 33' Increaser	LDA Passenger	-	34	Employees
Pipeline	Pipeline H: 22' X 33' Increaser	T7 Heavy Duty	-	32	Trucks
Pipeline	Pipeline H: 33' Welds	LDA Passenger	-	4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: 33' Welds	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: Dished Heads, 16'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: Dished Heads, 16'	LDA Passenger	-	26	Employees
Pipeline	Pipeline H: Dished Heads, 16'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Dished Heads, 16'	T7 Heavy Duty	-	16	Trucks
Pipeline	Pipeline H: Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pipeline	Pipeline H: Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pipeline	Pipeline H: Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pipeline	Pipeline H: Drive Foundation Piles	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: Electric Butterfly Valves, 11'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Electric Butterfly Valves, 11'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: Electric Butterfly Valves, 11'	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: Flex Couplings	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Flex Couplings	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: Flex Couplings	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: Install & Remove Sheet Piles	Other Construction Equipment	325	8	Offroad Equip
Pipeline	Pipeline H: Install & Remove Sheet Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Install & Remove Sheet Piles	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: Install & Remove Sheet Piles	Off-Highway Trucks	175	8	Offroad Equip
Pipeline	Pipeline H: Install & Remove Sheet Piles	LDA Passenger	-	14	Employees
Pipeline	Pipeline H: Install & Remove Wales & Struts	LDA Passenger	-	14	Employees
Pipeline	Pipeline H: Install & Remove Wales & Struts	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: Install & Remove Wales & Struts	Welders	46	16	Offroad Equip
Pipeline	Pipeline H: Install & Remove Wales & Struts	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Install & Remove Wales & Struts	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: Manifold Tie-Ins, 11'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Manifold Tie-Ins, 11'	Cranes	340	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: Manifold Tie-Ins, 11'	LDA Passenger	-	26	Employees
Pipeline	Pipeline H: Manifold Tie-Ins, 11'	T7 Heavy Duty	-	16	Trucks
Pipeline	Pipeline H: Manifold Tie-Ins, 12'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Manifold Tie-Ins, 12'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: Manifold Tie-Ins, 12'	LDA Passenger	-	30	Employees
Pipeline	Pipeline H: Manifold Tie-Ins, 12'	T7 Heavy Duty	-	24	Trucks
Pipeline	Pipeline H: Manifold Tie-Ins, 33'	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Manifold Tie-Ins, 33'	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: Manifold Tie-Ins, 33'	LDA Passenger	-	30	Employees
Pipeline	Pipeline H: Manifold Tie-Ins, 33'	T7 Heavy Duty	-	24	Trucks
Pipeline	Pipeline H: Pipelines: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline H: Pipelines: Backfill:	LDA Passenger	-	10	Employees
Pipeline	Pipeline H: Pipelines: Excavate & Export:	Graders	285	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Export:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Export:	Excavators	608	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Export:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Excavate & Export:	Off-Highway Trucks	500	32	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Export:	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: Pipelines: Excavate & Stockpile:	Graders	285	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Stockpile:	Excavators	608	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Stockpile:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Excavate & Stockpile:	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline H: Pipelines: Excavate & Stockpile:	LDA Passenger	-	12	Employees
Pipeline	Pipeline H: Pipelines: Place Bedding:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Bedding:	Rollers	150	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Bedding:	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: Pipelines: Place Bedding:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Place Bedding:	LDA Passenger	-	10	Employees
Pipeline	Pipeline H: Pipelines: Place Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Place Pipe:	Cranes	340	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Pipe:	LDA Passenger	-	18	Employees
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	Graders	215	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	Rollers	150	16	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	Rollers	3	32	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Place Sand Backfill:	LDA Passenger	-	28	Employees
Pipeline	Pipeline H: Pipelines: Stage & Handle Pipe:	Cranes	200	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Stage & Handle Pipe:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Stage & Handle Pipe:	Cranes	350	8	Offroad Equip
Pipeline	Pipeline H: Pipelines: Stage & Handle Pipe:	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline H: Pipelines: Stage & Handle Pipe:	LDA Passenger	-	24	Employees
Pipeline	Pipeline H: Pipelines: Weld Pipe:	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline H: Pipelines: Weld Pipe:	LDA Passenger	-	4	Employees
Pipeline	Pipeline H: Place Roof Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline H: Place Roof Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline H: Place Roof Concrete: Roof Falsework:	LDA Passenger	-	26	Employees
Pipeline	Pipeline H: SOG Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Pipeline H: SOG Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline H: Valve Box Structure: Place Bedding:	Pumps	10	2	Offroad Equip
Pipeline	Pipeline H: Valve Box Structure: Place Bedding:	LDA Passenger	-	11	Employees
Pipeline	Pipeline H: Valve Box Structure: Place Bedding:	Air Compressors	48	2	Offroad Equip
Pipeline	Pipeline H: Valve Box Structure: Place Bedding:	Rubber Tired Loaders	164	4	Offroad Equip
Pipeline	Pipeline H: Valve Box Structure: Place Bedding:	Plate Compactors	7	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline H: Wall Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline H: Wall Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Surge Tower Base: Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Surge Tower Base: Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pipeline	Surge Tower Base: Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pipeline	Surge Tower Base: Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower Base: Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pipeline	Surge Tower Base: Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pipeline	Surge Tower Base: Drive Foundation Piles	LDA Passenger	-	18	Employees
Pipeline	Surge Tower Base: Place Concrete Fill In Lpiles	Cranes	160	8	Offroad Equip
Pipeline	Surge Tower Base: Place Concrete Fill In Lpiles	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower Base: Place Concrete Fill In Lpiles	LDA Passenger	-	8	Employees
Pipeline	Surge Tower/Weir Structure: Backfill	Graders	215	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Backfill	Rollers	150	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Backfill	Plate Compactors	7	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower/Weir Structure: Backfill	T7 Heavy Duty	-	4	Trucks
Pipeline	Surge Tower/Weir Structure: Backfill	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Backfill	LDA Passenger	-	17	Employees
Pipeline	Surge Tower/Weir Structure: Dewatering	Pumps	10	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Surge Tower/Weir Structure: Dewatering	LDA Passenger	-	3	Employees
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	LDA Passenger	-	18	Employees
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	Cranes	200	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Surge Tower/Weir Structure: Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Graders	215	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Rubber Tired Dozers	410	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Tractors/Loaders/Back hoes	500	2	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Excavators	384	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Pumps	24	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower/Weir Structure: Excavate & Export	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower/Weir Structure: Excavate & Export	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Export	LDA Passenger	-	3	Employees
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	LDA Passenger	-	17	Employees
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	Graders	285	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	Tractors/Loaders/Back hoes	500	2	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Excavate & Stockpile	Excavators	384	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Invert Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Invert Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Pipeline	Surge Tower/Weir Structure: Place Bedding	Air Compressors	48	2	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Place Bedding	Rubber Tired Loaders	164	4	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Place Bedding	Plate Compactors	7	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Place Bedding	Pumps	10	2	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Place Bedding	LDA Passenger	-	11	Employees
Pipeline	Surge Tower/Weir Structure: Place Concrete Fill In Piles	Cranes	160	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Place Concrete Fill In Piles	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Surge Tower/Weir Structure: Place Concrete Fill In Piles	LDA Passenger	-	8	Employees
Pipeline	Surge Tower/Weir Structure: Wall Concrete: Flow Meter Vault Concrete:	Pumps	210	8	Offroad Equip
Pipeline	Surge Tower/Weir Structure: Wall Concrete: Flow Meter Vault Concrete:	LDA Passenger	-	16	Employees
Forebays	Forebays: Byron Tract: Primary Maintenance Road: Asphalt Concrete:	LDA Passenger	-	8	Employees
Forebays	Forebays: Byron Tract: Primary Maintenance Road: Asphalt Concrete:	Pavers	89	8	Offroad Equip
Forebays	Forebays: Byron Tract: Primary Maintenance Road: Asphalt Concrete:	Paving Equipment	82	8	Offroad Equip
Forebays	Forebays: Byron Tract: Primary Maintenance Road: Asphalt Concrete:	Rollers	84	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Bottom Finish:	Graders	215	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Bottom Finish:	Scrapers	150	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Bottom Finish:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Bottom Finish:	LDA Passenger	-	10	Employees
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Levee Top Finish:	Graders	215	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Levee Top Finish:	Scrapers	150	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Levee Top Finish:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Levee Top Finish:	LDA Passenger	-	10	Employees
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Scraper Cut/Fill:	Scrapers	283	40	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Scraper Cut/Fill:	Rollers	315	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Scraper Cut/Fill:	Rubber Tired Dozers	140	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Scraper Cut/Fill:	Rubber Tired Dozers	410	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Scraper Cut/Fill:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Scraper Cut/Fill:	LDA Passenger	-	24	Employees
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Slope Finish:	Graders	215	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Slope Finish:	Scrapers	150	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Slope Finish:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Cut/Fill-Build Levees: Slope Finish:	LDA Passenger	-	10	Employees
Forebays	Forebays: Byron Tract Forebay: Dewatering: Construct/Remove Sedimentation Ponds:	Excavators	384	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Dewatering: Construct/Remove Sedimentation Ponds:	Off-Highway Trucks	285	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Dewatering: Construct/Remove Sedimentation Ponds:	LDA Passenger	-	22	Employees
Forebays	Forebays: Byron Tract Forebay: Dewatering: Excavate Trenches:	Rubber Tired Dozers	140	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Byron Tract Forebay: Dewatering: Excavate Trenches:	Excavators	384	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Dewatering: Excavate Trenches:	LDT1 Light Duty	-	4	Trucks
Forebays	Forebays: Byron Tract Forebay: Dewatering: Excavate Trenches:	LDA Passenger	-	5	Employees
Forebays	Forebays: Byron Tract Forebay: Dewatering: Pump Install & Maintain:	T7 Heavy Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Dewatering: Pump Install & Maintain:	LDA Passenger	-	10	Employees
Forebays	Forebays: Byron Tract Forebay: Export Suitable: Load & Haul:	Rubber Tired Dozers	310	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Export Suitable: Load & Haul:	Excavators	608	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Export Suitable: Load & Haul:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Export Suitable: Load & Haul:	Off-Highway Trucks	500	40	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Export Suitable: Load & Haul:	LDA Passenger	-	16	Employees
Forebays	Forebays: Byron Tract Forebay: Remove Unsuitable-Export: Excavate & Haul Off Unsuitable:	Rubber Tired Dozers	310	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Remove Unsuitable-Export: Excavate & Haul Off Unsuitable:	Excavators	608	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Remove Unsuitable-Export: Excavate & Haul Off Unsuitable:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Remove Unsuitable-Export: Excavate & Haul Off Unsuitable:	Off-Highway Trucks	500	40	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Remove Unsuitable-Export: Excavate & Haul Off Unsuitable:	LDA Passenger	-	18	Employees
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Bedding Material:	Rubber Tired Loaders	164	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Bedding Material:	Graders	215	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Bedding Material:	LDA Passenger	-	8	Employees
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Fabric:	LDT2 Light Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Fabric:	LDA Passenger	-	10	Employees
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Rip Rap:	Rubber Tired Loaders	164	16	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Rip Rap:	LDA Passenger	-	12	Employees
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Rip Rap:	Excavators	163	8	Offroad Equip
Forebays	Forebays: Byron Tract Forebay: Slope Protection: Place Rip Rap:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Slope Protection: SWPPP:	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Byron Tract Forebay: Slope Protection: SWPPP:	T7 Heavy Duty	-	8	Trucks
Forebays	Forebays: Byron Tract Forebay: Slope Protection: SWPPP:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	Graders	285	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	Excavators	384	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Slab On Grade: Bypass SOG	Pumps	210	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Bypass Slab On Grade: Bypass SOG	LDA Passenger	-	16	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	Rubber Tired Loaders	164	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	T7 Heavy Duty	-	4	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	Off-Highway Trucks	500	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:	LDA Passenger	-	13	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Place Concrete Fill In Piles:	Cranes	160	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Concrete Fill In Piles:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass: Place Concrete Fill In Piles:	LDA Passenger	-	8	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	LDA Passenger	-	22	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Roof Concrete: Roof Concrete	Pumps	210	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Place Roof Concrete: Roof Concrete	LDA Passenger	-	16	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Roof Falsework: Roof Falsework	LDA Passenger	-	26	Employees
Forebays	Forebays: Intermediate Forebay: Bypass: Wall Concrete: Bypass Wall Concrete	Pumps	210	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass: Wall Concrete: Bypass Wall Concrete	LDA Passenger	-	16	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Air Valves:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Air Valves:	Cranes	340	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Air Valves:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Excavate and Export:	Off-Highway Trucks	500	32	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Excavate and Export:	LDA Passenger	-	18	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Excavate and Export:	Graders	285	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Excavate and Export:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Excavate and Export:	Excavators	608	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Excavate and Export:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Flex Couplings:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Flex Couplings:	Cranes	340	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Flex Couplings:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Sheet Piles:	Other Construction Equipment	325	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Sheet Piles:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Sheet Piles:	Cranes	350	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Sheet Piles:	Off-Highway Trucks	175	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Sheet Piles:	LDA Passenger	-	14	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Wales and Struts:	Rubber Tired Loaders	164	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Wales and Struts:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Wales and Struts:	Cranes	350	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Install and Remove Wales and Struts:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Load/Haul/Compact Backfill from Stockpile:	Off-Highway Trucks	500	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Load/Haul/Compact Backfill from Stockpile:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Load/Haul/Compact Backfill from Stockpile:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Load/Haul/Compact Backfill from Stockpile:	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Load/Haul/Compact Backfill from Stockpile:	LDA Passenger	-	10	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Place Backfill Slurry:	LDA Passenger	-	10	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Place Backfill Slurry:	Air Compressors	123	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Place Backfill Slurry:	Cranes	200	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Place Pipe (26"):	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Place Pipe (26"):	T7 Heavy Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Place Pipe (26"):	LDA Passenger	-	2	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Stage and Handle Pipe:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Stage and Handle Pipe:	T7 Heavy Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Stage and Handle Pipe:	LDA Passenger	-	2	Employees
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Weld Pipe (26' - 1" Thick):	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Weld Pipe (26' - 1" Thick):	T7 Heavy Duty	-	56	Trucks
Forebays	Forebays: Intermediate Forebay: Bypass Piping: Weld Pipe (26' - 1" Thick):	LDA Passenger	-	48	Employees
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	Off-Highway Trucks	500	24	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	LDA Passenger	-	2	Employees
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	Rollers	315	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	Rubber Tired Dozers	310	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:	Excavators	608	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	Excavators	608	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	Rollers	315	24	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	Rubber Tired Dozers	310	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	Off-Highway Trucks	500	32	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:	LDA Passenger	-	34	Employees
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Construct/Remove Sedimentation Ponds:	Excavators	384	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Construct/Remove Sedimentation Ponds:	Off-Highway Trucks	285	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Construct/Remove Sedimentation Ponds:	LDA Passenger	-	22	Employees
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Excavate Trenches:	Rubber Tired Dozers	140	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Excavate Trenches:	Excavators	384	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Excavate Trenches:	LDT1 Light Duty	-	4	Trucks
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Excavate Trenches:	LDA Passenger	-	5	Employees
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Pump Install & Maintain:	T7 Heavy Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Dewater Forebay Excavation: Pump Install & Maintain:	LDA Passenger	-	10	Employees
Forebays	Forebays: Intermediate Forebay: Maintenance Roads: Asphalt Concrete:	LDA Passenger	-	8	Employees
Forebays	Forebays: Intermediate Forebay: Maintenance Roads: Asphalt Concrete:	Pavers	89	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Maintenance Roads: Asphalt Concrete:	Paving Equipment	82	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Maintenance Roads: Asphalt Concrete:	Rollers	84	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Bottom Finish:	Graders	215	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Bottom Finish:	Rollers	150	2	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Bottom Finish:	LDA Passenger	-	5	Employees
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Construct Drying Beds:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Construct Drying Beds:	Scrapers	283	24	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Construct Drying Beds:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Construct Drying Beds:	Rubber Tired Dozers	140	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Construct Drying Beds:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Levee Top Finish:	Graders	215	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Levee Top Finish:	Scrapers	150	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Levee Top Finish:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Levee Top Finish:	LDA Passenger	-	10	Employees
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	Rubber Tired Dozers	310	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	Excavators	384	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	Rollers	315	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	Off-Highway Trucks	405	24	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Load And Haul To Levee:	LDA Passenger	-	16	Employees
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Slope Finish:	Graders	215	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Slope Finish:	Scrapers	150	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Slope Finish:	Rollers	150	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Moisture Condition Suitable Soil: Slope Finish:	LDA Passenger	-	10	Employees
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Haul Off Unsuitable:	Rubber Tired Dozers	310	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Haul Off Unsuitable:	Excavators	608	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Haul Off Unsuitable:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Haul Off Unsuitable:	Off-Highway Trucks	500	40	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Haul Off Unsuitable:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile A:	Rubber Tired Dozers	310	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile A:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile A:	LDA Passenger	-	24	Employees
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile B:	Rubber Tired Dozers	310	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile B:	LDA Passenger	-	4	Employees
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Bedding Material:	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Bedding Material:	Rubber Tired Loaders	164	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Bedding Material:	LDA Passenger	-	8	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Fabric:	LDT2 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Fabric:	LDA Passenger	-	10	Employees
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Rip Rap:	Rubber Tired Loaders	164	16	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Rip Rap:	Excavators	163	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Rip Rap:	LDT1 Light Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Slope Protection: Place Rip Rap:	LDA Passenger	-	12	Employees
Forebays	Forebays: Intermediate Forebay: Slope Protection: SWPPP:	Rubber Tired Loaders	164	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Slope Protection: SWPPP:	T7 Heavy Duty	-	8	Trucks
Forebays	Forebays: Intermediate Forebay: Slope Protection: SWPPP:	LDA Passenger	-	18	Employees
Forebays	Forebays: Intermediate Forebay: Spillway: Concrete Stilling Basin: Stilling Basin Concrete	Pumps	210	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Concrete Stilling Basin: Stilling Basin Concrete	LDA Passenger	-	16	Employees
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Cranes	147	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Pavers	89	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Paving Equipment	82	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Rollers	84	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Rubber Tired Dozers	285	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Scrapers	313	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Excavators	315	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Graders	215	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Rubber Tired Loaders	164	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Trenchers	69	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Bridge Replaces Microtunnel	Off-Highway Trucks	189	8	Offroad Equip
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Headwall Concrete	LDA Passenger	-	16	Employees
Forebays	Forebays: Intermediate Forebay: Spillway: Headwall Concrete: Headwall Concrete	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing	Graders	215	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing	Excavators	315	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing	Scrapers	313	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing	Tractors/Loaders/Back hoes	48	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Dewatering	Pumps	10	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing : Dewatering	LDA Passenger	-	5	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	Rubber Tired Dozers	310	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	Graders	215	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	Pumps	24	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	Excavators	608	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	Rubber Tired Dozers	410	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	T7 Heavy Duty	-	4	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste	LDA Passenger	-	19	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	T7 Heavy Duty	-	4	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	Graders	215	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	Rubber Tired Dozers	410	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	Excavators	608	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Rollers	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Rubber Tired Dozers	140	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Rubber Tired Dozers	310	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Plate Compactors	6.5	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Pumps	24	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	T7 Heavy Duty	-	4	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	Off-Highway Trucks	405	24	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	Graders	215	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	Rollers	315	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	Rubber Tired Dozers	310	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	T7 Heavy Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	Off-Highway Trucks	405	32	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill : Import & Place Material	LDA Passenger	-	23	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	Rollers	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	Graders	215	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Gavel Bedding	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Drive Foundation Piles	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Concrete Fill In Piles	Cranes	160	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Concrete Fill In Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Place Concrete Fill In Piles	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Plant & Operations :	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Plant & Operations :	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Plant & Operations :	Cranes	147	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Plant & Operations :	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Plant & Operations :	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Plant & Operations :	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Placing Crews :	Pumps	210	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Placing Crews :	LDA Passenger	-	32	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Treat CJ :	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation SOG & Solids Lagoons : Treat CJ :	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Cure & Cleanup :	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Formwork :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Plant & Operations :	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Plant & Operations :	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Plant & Operations :	Cranes	147	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Plant & Operations :	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Plant & Operations :	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Plant & Operations :	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Placing Crews :	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Placing Crews :	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Finish :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Treat CJ :	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Wall Concrete : Treat CJ :	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Cure & Cleanup :	LDA Passenger	-	16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Finish :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Cure & Cleanup :	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Formwork :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Sedimentation Basin Roof Concrete : Roof Falsework :	LDA Passenger	-	26	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Hanging & Baffle Wall Concrete : Plant & Operations :	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Hanging & Baffle Wall Concrete : Plant & Operations :	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Finish :	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Hanging & Baffle Wall Concrete : Treat CJ :	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin : Hanging & Baffle Wall Concrete : Treat CJ :	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Cure & Cleanup :	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Formwork :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging Wall Falsework::	LDA Passenger	-	24	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	Graders	215	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Place Gravel Bedding	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Drive Foundation Piles	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Place Concrete Fill On Piles	Cranes	160	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Place Concrete Fill On Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House : Place Concrete Fill On Piles	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	Cranes	147	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	Cranes	335	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Slab On Grade Concrete: Plant & Operations :	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Placing Crews :	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Placing Crews :	LDA Passenger	-	14	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Finish :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Treat CJ :	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Treat CJ :	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Cure & Cleanup :	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Formwork :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	Cranes	147	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	Cranes	335	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Plant & Operations :	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Finish :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Treat CJ :	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Wall Concrete : Treat CJ :	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Cure & Cleanup :	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Formwork :	LDA Passenger	-	16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	Cranes	147	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	Cranes	335	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Plant & Operations :	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Placing Crews :	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House : Pump House Roof Concrete : Placing Crews :	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Finish :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Point & Patch :	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Cure & Cleanup :	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Formwork :	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Roof Falsework::	LDA Passenger	-	26	Employees
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults : Flow Meter Vault Concrete	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults : Flow Meter Vault Concrete	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults : Ultra-Sonic Flow Meters	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults : Ultra-Sonic Flow Meters	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults : Ultra-Sonic Flow Meters	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Butterfly Valves : Electrical Actuated BFV(96")	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Butterfly Valves : Electrical Actuated BFV(96")	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Butterfly Valves : Electrical Actuated BFV(96")	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Butterfly Valves : Hydraulic Actuated BFV(96")	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Butterfly Valves : Hydraulic Actuated BFV(96")	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Butterfly Valves : Hydraulic Actuated BFV(96")	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Discharge Piping (8' Dia)	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Discharge Piping (8' Dia)	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Discharge Piping (8' Dia)	T7 Heavy Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Discharge Piping (8' Dia)	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Installation Of Pumps, Valves & Fittings	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Installation Of Pumps, Valves & Fittings	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Installation Of Pumps, Valves & Fittings	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Flex Couplings	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Flex Couplings	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Flex Couplings	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Air Valves	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Air Valves	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside : Air Valves	LDA Passenger	-	18	Employees
River Intake 1	River Intake 1: Clear & Grub/Demolition :	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition :	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition :	Rubber Tired Dozers	285	8	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition :	Tractors/Loaders/Back hoes	48	24	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition :	LDA Passenger	-	15	Employees
River Intake 1	River Intake 1: Construct Detour Road : Dewater	Pumps	10	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Dewater	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Dewater	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Construct Detour Road : Overexc/Recompact	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Overexc/Recompact	Plate Compactors	6.5	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Overexc/Recompact	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	Excavators	315	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	Scrapers	313	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	Off-Highway Trucks	189	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Import/Place Fill	T7 Heavy Duty	-	8	Trucks
River Intake 1	River Intake 1: Construct Detour Road : Base & Paving	LDA Passenger	-	2	Employees
River Intake 1	River Intake 1: Construct Detour Road : Base & Paving	Pavers	89	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Base & Paving	Paving Equipment	82	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Base & Paving	Rollers	84	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road : Stripe & Sign	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Construct Detour Road : Stripe & Sign	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Dewater	Pumps	10	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Dewater	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Dewater	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact	Plate Compactors	6.5	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Scrapers	313	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Off-Highway Trucks	189	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	T7 Heavy Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	LDA Passenger	-	2	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	Pavers	89	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	Paving Equipment	82	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	Rollers	84	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Stripe & Sign	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Stripe & Sign	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Other Construction Equipment	325	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	category 1 work boats	100	8	Marine

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	LDA Passenger	-	18	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	LDA Passenger	-	24	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Other Construction Equipment	325	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	Rubber Tired Dozers	140	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	LDT1 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	LDT2 Light Duty	-	24	Trucks
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Purchase Piles, 24" X 90':	Cranes	280	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Purchase Piles, 24" X 90':	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Weld Bottom Closure & Joint:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Weld Bottom Closure & Joint:	Cranes	280	4	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Weld Bottom Closure & Joint:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	LDA Passenger	-	14	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Unwater Cell	Pumps	100	32	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Unwater Cell	LDA Passenger	-	4	Employees
River Intake 1	River Intake 1: Place Tremie Plug: Unwater Cell	Pumps	210	16	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	Pumps	210	16	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	Pumps	127	16	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	LDA Passenger	-	24	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set Pipe forms & Bulkhead	LDA Passenger	-	31	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set Pipe forms & Bulkhead	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set Pipe forms & Bulkhead	Pumps	127	2	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set Pipe forms & Bulkhead	Cranes	235	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set Pipe forms & Bulkhead	Welders	30	24	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Equip Intake for Jacking	LDA Passenger	-	21	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Equip Intake for Jacking	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Equip Intake for Jacking	Pumps	127	2	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Equip Intake for Jacking	Cranes	235	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Equip Intake for Jacking	Welders	30	24	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set TBM & Jacking Frame	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set TBM & Jacking Frame	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set TBM & Jacking Frame	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Set TBM & Jacking Frame	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Jack Pipe inplace	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Jack Pipe inplace	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Jack Pipe inplace	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Jack Pipe inplace	Other Material Handling Equipment	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Jack Pipe inplace	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	Other Material Handling Equipment	127	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Pump Anular Grout	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Pump Anular Grout	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Pump Anular Grout	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Pump Anular Grout	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Clean Pipe	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Clean Pipe	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Clean Pipe	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Grouting: Clean Pipe	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Muck Disposal: Muck Disposal	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Muck Disposal: Muck Disposal	Rollers	315	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Muck Disposal: Muck Disposal	Rubber Tired Dozers	140	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Muck Disposal: Muck Disposal	Off-Highway Trucks	235	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling: Muck Disposal: Muck Disposal	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Placing Crew:	Pumps	210	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Placing Crew:	Pumps	127	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Placing Crew:	LDA Passenger	-	14	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Point & Patch:	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Treat CJ:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Formwork:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Placing Crew:	Pumps	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Placing Crew:	Pumps	210	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Placing Crew:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Point & Patch:	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Treat CJ:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Formwork:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Falsework Up/Down For Roof:	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Placing Crew:	Pumps	210	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Placing Crew:	Pumps	127	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Placing Crew:	LDA Passenger	-	14	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Finish:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Point & Patch:	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Treat CJ:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Cure & Cleanup:	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Formwork:	LDA Passenger	-	16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Bridge:	Rubber Tired Dozers	285	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Scrapers	313	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Pavers	89	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Paving Equipment	82	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Rollers	84	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Trenchers	69	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	Off-Highway Trucks	189	8	Offroad Equip
River Intake 1	River Intake 1: Bridge:	LDA Passenger	-	18	Employees
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	Excavators	163	8	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	Rubber Tired Loaders	164	16	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	LDT1 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	Rubber Tired Loaders	164	16	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Rip Rap: Place Fabric::	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Clean Up Demobe	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Clean Up Demobe	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Clean Up Demobe	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Clean Up Demobe	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility::	LDA Passenger	-	13	Employees
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility::	Cranes	147	8	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility::	Rough Terrain Forklifts	83	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility::	Tractors/Loaders/Back hoes	48	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	Cranes	147	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	Rough Terrain Forklifts	83	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	Tractors/Loaders/Back hoes	48	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	LDA Passenger	-	13	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Equip Op Cost 24/7	Pumps	3	64	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Final Lining over TBM Skin	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Final Lining over TBM Skin	Other General Industrial Equipment	82	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Final Lining over TBM Skin	LDA Passenger	-	16	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Grout	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Grout	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Mine 26' Tunnel	Other Material Handling Equipment	15	68	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Mine 26' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Mine 26' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Mine 26' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Sunday Maint.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Sunday Maint.	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Sunday Maint.	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #1: 23' ID Tunnel: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	Other General Industrial Equipment	20	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Intermediate Shaft: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #1: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #1: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #1: Muck Disposal Tunnel: Muck Disposal	Plate Compactors	255	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Tunnel: Muck Disposal	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Tunnel: Muck Disposal	Graders	215	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Tunnel: Muck Disposal	Off-Highway Trucks	479	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Tunnel: Muck Disposal	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Muck Disposal Tunnel: Muck Disposal	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Clean Shaft Invert	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Clean Shaft Invert	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Retrieval Shaft: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Concrete Backfill Pipe	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Concrete Backfill Pipe	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Concrete Backfill Pipe	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	Rollers	10	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Set & Weld Steel pipe Liner	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Set & Weld Steel pipe Liner	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Shaft invert pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Shaft invert pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Shaft invert pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #1: Launch Shaft: Shaft Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #1: Launch Shaft: Shaft Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft	LDA Passenger	-	20	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Intermediate Shaft: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #2: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #2: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Retrieval Shaft: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Remove TBM @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Remove TBM @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Sunday Maint.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Sunday Maint.	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Sunday Maint.	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #2: 33ft Tunnel: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Muck Disposal	Plate Compactors	255	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Muck Disposal	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Muck Disposal	Graders	215	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Muck Disposal	Off-Highway Trucks	479	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Muck Disposal	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Muck Disposal	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Place Shaft Walls	Pumps	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #2: Launch Shaft: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #2: Launch Shaft: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #2: Launch Shaft: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: 33 ft Tunnel B reach #3: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft A: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Excavate and build tunnel / shaft collar	LDA Passenger	-	18	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Intermediate Shaft B: Tunnel / Shaft Collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place invert slab	LDA Passenger	-	36	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft A: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft A: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Form Shaft Walls	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: Launch Shaft B: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place Invert Slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place Invert Slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place Invert Slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Launch Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Launch Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Muck Disposal Tunnels: Muck Disposal	Plate Compactors	255	12	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Dozers	285	12	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Tunnels: Muck Disposal	Graders	215	12	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Tunnels: Muck Disposal	Off-Highway Trucks	479	12	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Loaders	164	12	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Tunnels: Muck Disposal	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Retrieving Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #3: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #3: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #3: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Grout Leakage	LDA Passenger	-	8	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Sunday Maint	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft A: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Intermediate Shaft B: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #4: Muck Disposal Tunnels: Muck Disposal	Plate Compactors	255	12	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Dozers	285	12	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Tunnels: Muck Disposal	Graders	215	12	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: Muck Disposal Tunnels: Muck Disposal	Off-Highway Trucks	479	12	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Loaders	164	12	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Tunnels: Muck Disposal	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #4: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #4: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Invert work slab	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: Launch Shaft A: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Shaft Tunnel Invert	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Shaft Tunnel Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Shaft Tunnel Invert	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft A: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft A: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Excavate and Support Shaft	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: Launch Shaft B: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Launch Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Launch Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Elbow & Riser Forms	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Elbow & Riser Forms	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #4: Retrieving Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Final Lining over TBM Skin	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Final Lining over TBM Skin	Other General Industrial Equipment	82	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Final Lining over TBM Skin	LDA Passenger	-	16	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Mine 37' Tunnel	LDA Passenger	-	38	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Sunday Maint.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Sunday Maint.	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Sunday Maint.	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Final Lining over TBM Skin	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Final Lining over TBM Skin	Other General Industrial Equipment	82	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Final Lining over TBM Skin	LDA Passenger	-	16	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft A: Tunnel / Shaft Collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft	Air Compressors	275	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Intermediate Shaft B: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #5: Muck Disposal Tunnels: Muck Disposal	Plate Compactors	255	12	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Dozers	285	12	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Tunnels: Muck Disposal	Graders	215	12	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Tunnels: Muck Disposal	Off-Highway Trucks	479	12	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Loaders	164	12	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Tunnels: Muck Disposal	LDA Passenger	-	12	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #5: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Place tunnel concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Place tunnel concrete	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Place tunnel concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Tunnel Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Tunnel Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Tunnel Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft A: Tunnel Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Place tunnel concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Place tunnel concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Place tunnel concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Tunnel Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Retrieval Shaft B: Tunnel Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Clean Shaft Invert	LDA Passenger	-	56	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill	LDA Passenger	-	72	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Excavate and Support Shaft	LDA Passenger	-	88	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Form Shaft Walls	LDA Passenger	-	68	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Invert work slab	LDA Passenger	-	72	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place invert slab	LDA Passenger	-	72	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place Shaft Walls	LDA Passenger	-	72	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Place tunnel & Riser concrete	LDA Passenger	-	72	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Shaft Invert & Wall Rebar	LDA Passenger	-	68	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Tunnel & Riser Forms	LDA Passenger	-	68	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft A: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft A: Tunnel & Riser Rebar	LDA Passenger	-	68	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Form Shaft Walls	LDA Passenger	-	68	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Invert work slab	LDA Passenger	-	36	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #5: Launch Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #5: Launch Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft A: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Intermediate Shaft B: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Invert work slab	Pumps	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Launch Shaft B: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Muck Disposal Tunnels: Muck Disposal	Plate Compactors	255	12	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Dozers	285	12	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Tunnels: Muck Disposal	Graders	215	12	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Tunnels: Muck Disposal	Off-Highway Trucks	479	12	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Loaders	164	12	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Tunnels: Muck Disposal	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #6: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Launch Shaft A: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Launch Shaft A: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Launch Shaft A: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Elbow & Riser Forms	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Invert Rebar	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Elbow & Riser Forms	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #6: Retrieving Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Final Lining over TBM Skin	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Final Lining over TBM Skin	Other General Industrial Equipment	82	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Final Lining over TBM Skin	LDA Passenger	-	16	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Final Lining over TBM Skin	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Final Lining over TBM Skin	Other General Industrial Equipment	82	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Final Lining over TBM Skin	LDA Passenger	-	16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Sunday Maint.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Sunday Maint.	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Sunday Maint.	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft A: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Intermediate Shaft B: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place invert slab	Pumps	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft A: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft A: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Launch Shaft B: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Launch Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Launch Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Muck Disposal Tunnels: Muck Disposal	Plate Compactors	255	12	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Dozers	285	12	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Tunnels: Muck Disposal	Graders	215	12	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Tunnels: Muck Disposal	Off-Highway Trucks	479	12	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Loaders	164	12	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Tunnels: Muck Disposal	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #7: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #7: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Elbow & Riser Forms	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Elbow & Riser Forms	Air Compressors	560	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Place invert slab	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #7: Retrieving Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Mine 37' Tunnel	Other Material Handling Equipment	15	104	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Mine 37' Tunnel	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Mine 37' Tunnel	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Other General Industrial Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Sunday Maint	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Sunday Maint	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Sunday Maint	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: TBM & Vertical Conv. Assy.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: TBM & Vertical Conv. Assy.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: TBM & Vertical Conv. Assy.	LDA Passenger	-	38	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: TBM Removal @ Retrieval Shaft	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: TBM Removal @ Retrieval Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Tunnel Mining Surface Support	Other Material Handling Equipment	400	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Tunnel Mining Surface Support	Other Material Handling Equipment	50	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft B: Tunnel / Shaft Collar	LDA Passenger	-	31	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: Launch Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: Launch Shaft B: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft B: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft B: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Muck Disposal Tunnels: Muck Disposal	Plate Compactors	255	12	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Dozers	285	12	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Tunnels: Muck Disposal	Graders	215	12	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Tunnels: Muck Disposal	Off-Highway Trucks	479	12	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Tunnels: Muck Disposal	Rubber Tired Loaders	164	12	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Tunnels: Muck Disposal	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #8: Muck Disposal Shafts: Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Shafts: Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Reach #8: Muck Disposal Shafts: Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Muck Disposal Shafts: Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Elbow & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft B: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft	Air Compressors	275	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft	Plate Compactors	7	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft	Rollers	10	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft	LDA Passenger	-	20	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Rubber Tired Loaders	164	3	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Form & Place Shaft Collar	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	Air Compressors	300	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	Cranes	235	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	Generator Sets	48	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	Rubber Tired Loaders	164	3	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	Pumps	10	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Intermediate Shaft A: Install ladder / Vent & Cover	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Invert work slab	Pumps	127	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: Launch Shaft A: Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place tunnel & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place tunnel & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Place tunnel & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Tunnel & Riser Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Tunnel & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Launch Shaft A: Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Launch Shaft A: Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Elbow & Riser Forms	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Elbow & Riser Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Place Elbow & Riser concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Place Elbow & Riser concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Place Elbow & Riser concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Reach #8: Retrieval Shaft A: Place invert slab	LDA Passenger	-	36	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	Rubber Tired Dozers	140	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	Other Material Handling Equipment	35	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	Excavators	128	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering:	LDA Passenger	-	5	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Dewatering	Pumps	10	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP	Rubber Tired Dozers	140	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP	Excavators	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP	Off-Highway Trucks	285	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Rubber Tired Dozers	410	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Rubber Tired Dozers	310	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Excavators	608	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Tractors/Loaders/Back hoes	500	2	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Excavators	608	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Rubber Tired Dozers	410	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Tractors/Loaders/Back hoes	500	2	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	Rollers	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	Plate Compactors	7	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	Rubber Tired Dozers	310	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile	LDA Passenger	-	18	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile	Excavators	608	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile	Rubber Tired Dozers	310	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	Off-Highway Trucks	500	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	Rollers	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	T7 Heavy Duty	-	4	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	Plate Compactors	7	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	LDA Passenger	-	6	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Cranes	147	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Placing Crews:	LDA Passenger	-	14	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Placing Crews:	Pumps	210	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Finish:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Treat CJ:	LDA Passenger	-	6	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Treat CJ:	Air Compressors	123	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	LDA Passenger	-	19	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	4	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Concrete Fill On Piles:	LDA Passenger	-	8	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Concrete Fill On Piles:	Cranes	160	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Concrete Fill On Piles:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Placing Crews:	LDA Passenger	-	24	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Placing Crews:	Pumps	210	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Finish:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Placing Crews:	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Placing Crews:	Pumps	210	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Finish:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Point & Patch:	LDA Passenger	-	10	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	LDA Passenger	-	12	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Air Compressors	560	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Welders	30	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Cranes	147	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	LDA Passenger	-	12	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Cranes	335	24	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Finish:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Roof Falsework:	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Scrapers	283	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Rubber Tired Dozers	613	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Rollers	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Graders	215	4	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Rubber Tired Dozers	140	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	LDA Passenger	-	12	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Scrapers	283	24	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Rubber Tired Dozers	613	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Graders	215	4	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Rubber Tired Dozers	140	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	T7 Heavy Duty	-	4	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 11' Dia Piping:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 11' Dia Piping:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 11' Dia Piping:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 12' Dia Piping:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 12' Dia Piping:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 12' Dia Piping:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Flex Couplings:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Flex Couplings:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Flex Couplings:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Air Valve:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Air Valve:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Air Valve:	LDT1 Light Duty	-	8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Install All Piping, Fittings & Valves:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Install All Piping, Fittings & Valves:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Install All Piping, Fittings & Valves:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 11' Hydraulicall Activated BFV:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 11' Hydraulicall Activated BFV:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 11' Hydraulicall Activated BFV:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 8' Electrically Activated BFV:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 8' Electrically Activated BFV:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 8' Electrically Activated BFV:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Flow Meter Vaults, 16'x16'x20' Deep:	LDA Passenger	-	15	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Flow Meter Vaults, 16'x16'x20' Deep:	Pumps	210	2	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Ultra Sonic Flow Meters:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Ultra Sonic Flow Meters:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Ultra Sonic Flow Meters:	LDT1 Light Duty	-	8	Trucks
Utilities	Utilities: Install Temporary Power: 12 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Tractors/Loaders/Backhoes	48	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	189	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Other Construction Equipment	300	16	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	LDA Passenger	-	28	Employees
Utilities	Utilities: Install Temporary Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Cranes	350	16	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Other Construction Equipment	300	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	LDA Passenger	-	33	Employees
Utilities	Utilities: Install Permanent Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Cranes	350	16	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Other Construction Equipment	300	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	LDA Passenger	-	33	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Utilities	Utilities: Install Permanent Power: 230 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Cranes	340	16	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Cranes	340	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Helicopter	420	8	Helicopter
Utilities	Utilities: Install Permanent Power: 230 kV	LDA Passenger	-	32	Employees
Head of Old River Barrier *	Phase 1	Cranes	208	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Excavators	157	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Graders	162	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Other Construction Equipment	327	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Rollers	84	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Rubber Tired Dozers	358	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Rubber Tired Loaders	87	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Scrapers	356	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Tractors/Loaders/Back hoes	75	8	Offroad Equip
Head of Old River Barrier *	Phase 1	LDA Passenger	-	30	Employees
Head of Old River Barrier *	Phase 1	T7 Heavy Duty	-	21	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Head of Old River Barrier *	Phase 2	Cranes	208	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Graders	162	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Other Construction Equipment	327	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Rollers	84	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Rubber Tired Loaders	87	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Scrapers	356	8	Offroad Equip
Head of Old River Barrier *	Phase 2	LDA Passenger	-	30	Employees
Head of Old River Barrier *	Phase 2	T7 Heavy Duty	-	11	Trucks
Head of Old River Barrier *	Phase 3	Cranes	208	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Excavators	157	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Graders	162	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Other Construction Equipment	327	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Rubber Tired Loaders	87	8	Offroad Equip
Head of Old River Barrier *	Phase 3	LDA Passenger	-	40	Employees
Head of Old River Barrier *	Phase 3	T7 Heavy Duty	-	52	Trucks

\* Barrier only included for Alternative 2A

1 **Table 22B-6. Summary of Construction Off-Road Equipment, On-Road Vehicles, Locomotives, Marine Vessels, and Helicopters for**  
 2 **Construction of the Water Conveyance Facilities Associated with Alternative 4 (Modified Pipeline/Tunnel Alignment)**

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intake 1	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Intake 2	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Intake 3	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Intake 4	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Intake 5	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Pumping Plant 1	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Pumping Plant 2	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Pumping Plant 3	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Pumping Plant 4	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Pumping Plant 5	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Intermediate Pumping Plant	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Pipelines	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Utilities	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Forebays	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Control Structures	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Head of Old River Barrier	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Head of Old River Barrier	Same as Pipeline Tunnel Alignment (see Table 22B-5)				
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Clearing and Grubbing	Excavators	315	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Clearing and Grubbing	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Clearing and Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Clearing and Grubbing	Tractors/Loaders/Backhoes	48	24	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Clearing and Grubbing	BAAQMD:LDA		15	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Dewatering/Underwatering	Pumps	10	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Dewatering/Underwatering	Off-Highway Trucks	479	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Dewatering/Underwatering	BAAQMD:LDA		5	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Sheetpile Cell	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Sheetpile Cell	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Sheetpile Cell	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Sheetpile Cell	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Excavation	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Excavation	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Excavation	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Excavation	Barge	0	16	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Excavation	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	Rubber Tired Dozers	285	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	Rubber Tired Loaders	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	Off-Highway Trucks	479	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	BAAQMD:LDA		12	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	BAAQMD:T7		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Embankment	BAAQMD:T1		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Remove Sheetpiles	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Remove Sheetpiles	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Remove Sheetpiles	BAAQMD:LDA		18	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Area Restoration	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Area Restoration	Scrapers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Area Restoration	Rollers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Area Restoration	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Demobilization	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Demobilization	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:East Side Embankment:Demobilization	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Clearing and Grubbing	Excavators	315	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Clearing and Grubbing	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Clearing and Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Clearing and Grubbing	Tractors/Loaders/Back hoes	48	24	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Clearing and Grubbing	BAAQMD:LDA		15	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Dewatering/Underwatering	Pumps	10	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Dewatering/Underwatering	Off-Highway Trucks	479	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Dewatering/Underwatering	BAAQMD:LDA		5	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Sheetpile Cell	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Sheetpile Cell	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Sheetpile Cell	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Sheetpile Cell	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Sheetpile Cell	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Excavation	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Excavation	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Excavation	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Excavation	Barge	0	16	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Excavation	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Excavation	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	Rubber Tired Dozers	285	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	Rubber Tired Loaders	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	Off-Highway Trucks	479	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	Rollers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	BAAQMD:LDA		12	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	BAAQMD:T7		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Embankment	BAAQMD:T1		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Remove Sheetpiles	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Remove Sheetpiles	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Remove Sheetpiles	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Remove Sheetpiles	BAAQMD:LDA		18	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Area Restoration	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Area Restoration	Scrapers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Area Restoration	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Area Restoration	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Demobilization	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Demobilization	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Demobilization	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:West Side Embankment:Demobilization	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Clearing and Grubbing	Excavators	315	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Clearing and Grubbing	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Clearing and Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Clearing and Grubbing	Tractors/Loaders/Back hoes	48	24	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Clearing and Grubbing	BAAQMD:LDA		30	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Dewatering/Underwatering	Pumps	10	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Dewatering/Underwatering	Off-Highway Trucks	479	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Dewatering/Underwatering	BAAQMD:LDA		5	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	Category 1 work boats	100	8	Marine

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Sheetpile Cell	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Excavation	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Excavation	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Excavation	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Excavation	Barge	0	16	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Excavation	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Excavation	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	Rubber Tired Dozers	285	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	Rubber Tired Loaders	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	Off-Highway Trucks	479	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	Rollers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	BAAQMD:LDA		12	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	BAAQMD:T7		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Embankment	BAAQMD:T1		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Remove Sheetpiles	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Remove Sheetpiles	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Remove Sheetpiles	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Remove Sheetpiles	BAAQMD:LDA		18	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Area Restoration	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Area Restoration	Scrapers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Area Restoration	Rollers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Area Restoration	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Demobilization	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Demobilization	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Demobilization	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Partition Forebay:Demobilization	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Clearing and Grubbing	Excavators	315	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Clearing and Grubbing	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Clearing and Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Clearing and Grubbing	Tractors/Loaders/Back hoes	48	24	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Clearing and Grubbing	BAAQMD:LDA		15	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Dewatering/Underwatering	Pumps	10	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Dewatering/Underwatering	Off-Highway Trucks	479	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Dewatering/Underwatering	BAAQMD:LDA		5	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Sheetpile Cell	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Excavation	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Excavation	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Excavation	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Excavation	Barge	0	16	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Excavation	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Excavation	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	Rubber Tired Dozers	285	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	Rubber Tired Loaders	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	Off-Highway Trucks	479	16	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	Rollers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	BAAQMD:LDA		12	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	BAAQMD:T7		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Embankment	BAAQMD:T1		8	Trucks
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Remove Sheetpiles	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Remove Sheetpiles	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Remove Sheetpiles	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Remove Sheetpiles	BAAQMD:LDA		18	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Area Restoration	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Area Restoration	Scrapers	150	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Area Restoration	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Area Restoration	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Demobilization	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Demobilization	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Demobilization	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:North Side Embankment:Demobilization	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Clearing and Grubbing	Excavators	315	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Clearing and Grubbing	Graders	215	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Clearing and Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Clearing and Grubbing	Tractors/Loaders/Back hoes	48	24	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Clearing and Grubbing	BAAQMD:LDA		15	Employees
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Dewatering/Underwatering	Pumps	10	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Dewatering/Underwatering	Off-Highway Trucks	479	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Dewatering/Underwatering	BAAQMD:LDA		5	Employees
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	Category 1 work boats	100	8	Marine

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Sheetpile Cell	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Excavation	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Excavation	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Excavation	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Excavation	Barge	0	16	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Excavation	Cranes	335	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Excavation	BAAQMD:LDA		8	Employees
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Remove Sheetpiles	Air Compressors	123	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Remove Sheetpiles	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Remove Sheetpiles	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Remove Sheetpiles	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Remove Sheetpiles	BAAQMD:LDA		18	Employees
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Demobilization	BAAQMD:LDA		16	Employees
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Demobilization	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Demobilization	Barge	0	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Demobilization	Category 1 work boats	100	8	Marine
Expanded Clifton Court	Expanded Clifton Court:CCF Embankment Removal:Demobilization	Category 1 work boats	400	8	Marine
Expanded Clifton Court	Expanded Clifton Court:Dredge Forebay	Cranes	587.5	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Dredge Forebay	Pumps	337.5	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Dredge Forebay	Pumps	300	8	Offroad Equip
Expanded Clifton Court	Expanded Clifton Court:Dredge Forebay	BAAQMD:LDA		5	Employees
Expanded Clifton Court	Expanded Clifton Court:Dredge Forebay	BAAQMD:T1		2	Trucks
Expanded Clifton Court	Expanded Clifton Court:Dredge Forebay	Category 1 work boats	100	8	Marine
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:LDA		24	Employees
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Graders	285	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	Pumps	10	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Dewatering / Unwatering	Pumps	10	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Dewatering / Unwatering	Off-Highway Trucks	479	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Dewatering / Unwatering	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	100	8	Marine
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Barge	0	8	Marine
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	400	8	Marine
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	BAAQMD:LDA		16	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Excavation	BAAQMD:LDA		12	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Excavation	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rollers	315	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:LDA		18	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Cranes	350	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Cranes	200	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Off-Highway Trucks	175	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Other Construction Equipment	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:LDA		6	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:LDA		6	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:LDA		24	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:T1		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Pumps	10	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rollers	315	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	BAAQMD:LDA		12	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rollers	315	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	285	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:LDA		8	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		6	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		4	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:LDA		7	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	350	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	200	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:LDA		7	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat C]	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat C]	BAAQMD:LDA		2	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:LDA		10	Employees
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	Cranes	350	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Scrapers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Rollers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	BAAQMD:LDA		8	Employees
Siphon	Main Tunnel Siphon:Phase 1:Demobilization	Barge	0	8	Marine
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	BAAQMD:LDA		24	Employees
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Graders	285	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Off-Highway Trucks	500	24	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	Pumps	0	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Dewatering / Unwatering	Off-Highway Trucks	479	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Dewatering / Unwatering	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	100	8	Marine
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Barge	0	8	Marine
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	400	8	Marine
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	BAAQMD:LDA		16	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Excavation	BAAQMD:LDA		12	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Excavation	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Excavation	Rollers	315	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:LDA		18	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Cranes	350	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Cranes	200	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Other Construction Equipment	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:LDA		6	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:LDA		6	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:LDA		24	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Pumps	0	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Rollers	315	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	BAAQMD:LDA		12	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rollers	315	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Pumps	24	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:LDA		8	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	Pumps	210	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		6	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	410	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Graders	215	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:LDA		7	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	350	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	200	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:LDA		7	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T2		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:LDA		10	Employees
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:T1		8	Trucks
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	Cranes	350	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	Graders	215	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	Scrapers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	Rollers	150	8	Offroad Equip
Siphon	Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	BAAQMD:LDA		8	Employees
Siphon	Main Tunnel Siphon:Phase 2:Demobilization	Barge	0	8	Marine
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:LDA		24	Employees
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Rubber Tired Dozers	410	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Graders	285	8	Offroad Equip
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	Off-Highway Trucks	500	24	Offroad Equip
Siphon	North Forebay:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Dewatering / Unwatering	Off-Highway Trucks	479	8	Offroad Equip
Siphon	North Forebay:Phase 1:Dewatering / Unwatering	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	100	8	Marine
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Barge	0	8	Marine
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	400	8	Marine
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Sheetpile Cell	BAAQMD:LDA		16	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Excavation	BAAQMD:LDA		12	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Excavation	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rollers	315	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:LDA		18	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Cranes	350	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Cranes	200	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Off-Highway Trucks	175	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Other Construction Equipment	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:LDA		6	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Generator Sets	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:LDA		6	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:LDA		24	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Off-Highway Trucks	405	32	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rollers	315	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	BAAQMD:LDA		12	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rollers	315	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:LDA		8	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	Pumps	210	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		6	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Pumps	24	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:LDA		7	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	350	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	200	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:LDA		7	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T1		4	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat Cj	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:LDA		10	Employees
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	Cranes	350	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Remove Sheetpiles	Off-Highway Trucks	405	16	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Scrapers	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Rollers	150	8	Offroad Equip
Siphon	North Forebay:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	BAAQMD:LDA		8	Employees
Siphon	North Forebay:Phase 1:Demobilization	Barge	0	8	Marine
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	BAAQMD:LDA		24	Employees
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Graders	285	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	Off-Highway Trucks	500	24	Offroad Equip
Siphon	North Forebay:Phase 2:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Dewatering / Unwatering	Off-Highway Trucks	479	8	Offroad Equip
Siphon	North Forebay:Phase 2:Dewatering / Unwatering	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Other Construction Equipment	325	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	100	8	Marine
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Barge	0	8	Marine
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Category 1 work boats	400	8	Marine
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Sheetpile Cell	BAAQMD:LDA		16	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Excavation	BAAQMD:LDA		12	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Excavation	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Excavation	Rollers	315	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:LDA		18	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:T1		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Cranes	350	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Cranes	200	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Off-Highway Trucks	175	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Pile Installation	Other Construction Equipment	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Slab On Grade	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:LDA		6	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:T2		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:LDA		6	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:LDA		24	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Off-Highway Trucks	405	32	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Rollers	315	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	BAAQMD:LDA		12	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rollers	315	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Waterway Reconstruction	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:LDA		8	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	Pumps	210	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		6	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		4	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:LDA		7	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	350	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	200	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:LDA		7	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat C]	Air Compressors	123	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat C]	BAAQMD:LDA		2	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:LDA		10	Employees
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	BAAQMD:T1		8	Trucks
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	Cranes	350	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Remove Sheetpiles	Off-Highway Trucks	405	16	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	Graders	215	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	Scrapers	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	Rollers	150	8	Offroad Equip
Siphon	North Forebay:Phase 2:Erosion & Sediment Control BMP's:Area Restoration	BAAQMD:LDA		8	Employees
Siphon	North Forebay:Phase 2:Demobilization	Barge	0	8	Marine
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:LDA		24	Employees
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Excavators	608	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Graders	215	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Graders	285	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	Off-Highway Trucks	500	24	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Clearing & Grubbing / Demolition	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Dewatering / Unwatering	Off-Highway Trucks	479	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Dewatering / Unwatering	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	Off-Highway Trucks	253	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	Rubber Tired Loaders	375	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	Rubber Tired Dozers	145	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	BAAQMD:LDA		6	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Demolition (Remove Road)	BAAQMD:T2		16	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Make Road Subgrade and Place Base	Rollers	150	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Make Road Subgrade and Place Base	BAAQMD:T1		16	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Make Road Subgrade and Place Base	Scrapers	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Make Road Subgrade and Place Base	Rubber Tired Dozers	410	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Make Road Subgrade and Place Base	Rollers	300	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Make Road Subgrade and Place Base	BAAQMD:LDA		6	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Pave Road/Striping	Rollers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Pave Road/Striping	Pavers	225	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Detour Road:Pave Road/Striping	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	Off-Highway Trucks	253	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	Rollers	300	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	Rubber Tired Dozers	145	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	Rubber Tired Loaders	283	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Build Highway Detour and Railroad Shoofly:Shoofly:Rails/Ballast/subBallast	BAAQMD:T2		16	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	Rollers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	Scrapers	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	Rollers	300	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	Off-Highway Trucks	253	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	BAAQMD:LDA		6	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Make Road Subgrade and Place Base	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Pave Road/Striping	Rollers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Pave Road/Striping	Pavers	225	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Highway:Pave Road/Striping	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	Off-Highway Trucks	253	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	Rollers	300	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	Rubber Tired Dozers	145	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	Rubber Tired Loaders	283	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Railroad and Highway Reconstruction:Railroad:Rails/Ballast/subBallast	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Excavation	BAAQMD:LDA		12	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Excavation	Excavators	608	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rollers	315	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Excavation	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:LDA		18	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Cranes	350	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Cranes	200	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Pile Installation	Other Construction Equipment	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Cranes	335	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Air Compressors	560	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Slab On Grade	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Cranes	335	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Air Compressors	560	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Walls	BAAQMD:LDA		6	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Cranes	335	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Air Compressors	560	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Siphon Roof	BAAQMD:LDA		6	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:LDA		24	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rollers	315	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	215	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:LDA		8	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Gravel Bedding	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		6	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Graders	215	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Excavators	608	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	215	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Graders	285	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	Pumps	24	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:LDA		10	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T2		24	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Graders	215	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Pumps	24	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Tractors/Loaders/Back hoes	500	0	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	Rollers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:LDA		7	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T2		16	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Gravel Bedding	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	350	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Cranes	200	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:LDA		7	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Drive Foundation Piles	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Placing Crews	BAAQMD:T1		2	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Finish	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Treat CJ	BAAQMD:LDA		2	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Invert Slab Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T2		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:LDA		4	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Plant & Operations	BAAQMD:T1		8	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Placing Crews	BAAQMD:T1		2	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Point and Patch	BAAQMD:LDA		4	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Cure & Cleanup	BAAQMD:LDA		2	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:LDA		5	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Place Wall Concrete:Formwork	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Graders	215	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Pumps	24	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rollers	315	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:LDA		13	Employees
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T2		32	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Backfill (Including Embankment)	BAAQMD:T1		4	Trucks
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Graders	215	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Scrapers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	Rollers	150	8	Offroad Equip
Siphon	Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Area Restoration	BAAQMD:LDA		8	Employees
Siphon	Byron Highway:Phase 1:Demobilization	Barge	0	8	Marine
Canal	North Clifton Court Approach Canal : Clear and Grub : Clear and Grub : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Clear and Grub : Clear and Grub : :	Rubber Tired Dozers	140	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Clear and Grub : Clear and Grub : :	BAAQMD:T1		8	Trucks
Canal	North Clifton Court Approach Canal : Clear and Grub : Clear and Grub : :	BAAQMD:T2		8	Trucks

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Clear and Grub : Demolition of Structures : :	BAAQMD:LDA		6	Employees
Canal	North Clifton Court Approach Canal : Clear and Grub : Demolition of Structures : :	Rubber Tired Dozers	140	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Clear and Grub : Demolition of Structures : :	Excavators	128	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Clear and Grub : Demolition of Structures : :	BAAQMD:T2		8	Trucks
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Excavate Trenches :	BAAQMD:LDA		5	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Excavate Trenches :	Excavators	384	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Operate Pumps :	Pumps	0	176	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Pump Install and Maintain :	BAAQMD:LDA		10	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Pump Install and Maintain :	BAAQMD:T7		8	Trucks
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Construct/Remove Sedimentation Ponds :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Construct/Remove Sedimentation Ponds :	BAAQMD:T1		8	Trucks
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Construct/Remove Sedimentation Ponds :	Rubber Tired Dozers	140	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Construct/Remove Sedimentation Ponds :	Excavators	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Dewatering Embankment Area : Construct/Remove Sedimentation Ponds :	Off-Highway Trucks	285	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	BAAQMD:LDA		18	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	Scrapers	283	24	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	Rubber Tired Dozers	0	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	Graders	215	4	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to ROW Spoil Berm :	Tractors/Loaders/Back hoes	500	4	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to Borrow Backfill 5 Truck :	BAAQMD:LDA		16	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to Borrow Backfill 5 Truck :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to Borrow Backfill 5 Truck :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to Borrow Backfill 5 Truck :	Off-Highway Trucks	500	40	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Waste Unsuitable Material : Unsuitable to Borrow Backfill 5 Truck :	Rubber Tired Dozers	310	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Scarify and Recompact Canal Invert : :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Scarify and Recompact Canal Invert : :	BAAQMD:LDA		4	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Scarify and Recompact Canal Invert : :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	BAAQMD:LDA		24	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	Scrapers	283	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	Rubber Tired Dozers	0	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	Rubber Tired Dozers	140	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Flip Flop Non Organics : :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	BAAQMD:LDA		16	Employees
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	Rubber Tired Dozers	310	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	Off-Highway Trucks	500	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Overexcavate & Replace Under Embankments : Import and Replace to OG : Truck from Borrow 2.5m to 7m Haul, Truck :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	BAAQMD:LDA		15	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	Off-Highway Trucks	500	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	Rubber Tired Dozers	310	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to ROW Berms :	Graders	215	3	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck :	BAAQMD:LDA		10	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Export Unsuitable Material : Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck :	Off-Highway Trucks	500	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	BAAQMD:LDA		20	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	Off-Highway Trucks	500	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	Rubber Tired Dozers	310	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Replace Unsuit Exc Under Embankment :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	BAAQMD:LDA		21	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	Off-Highway Trucks	500	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	Rubber Tired Dozers	310	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Canal Embankment Lower Section :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed For Emb. Top Out :	BAAQMD:LDA		16	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed For Emb. Top Out :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed For Emb. Top Out :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed For Emb. Top Out :	Off-Highway Trucks	500	32	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed For Emb. Top Out :	Rubber Tired Dozers	310	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed Reach To Reach :	BAAQMD:LDA		28	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed Reach To Reach :	BAAQMD:T1		8	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed Reach To Reach :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed Reach To Reach :	Off-Highway Trucks	405	40	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Cut and Fill Suitable Material : Canal Exc To Dry Bed Reach To Reach :	Rubber Tired Dozers	310	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Construction Drying Beds :	BAAQMD:LDA		12	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Construction Drying Beds :	Rubber Tired Dozers	140	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Construction Drying Beds :	Scrapers	283	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Construction Drying Beds :	Rollers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Construction Drying Beds :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Operate Drying Beds :	BAAQMD:LDA		4	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	BAAQMD:LDA		16	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	Off-Highway Trucks	405	16	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	Rubber Tired Loaders	164	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	Rubber Tired Dozers	310	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Moisture Condition Suitable Material : Double Handle Suitable :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Excavate Trenches :	BAAQMD:LDA		5	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Excavate Trenches :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Excavate Trenches :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Excavate Trenches :	Rubber Tired Dozers	140	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Operate Pumps :	Pumps	0	88	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Pump Install and Maintain :	BAAQMD:LDA		10	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Pump Install and Maintain :	BAAQMD:T7		8	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Construct/Remove Sedimentation Ponds :	BAAQMD:LDA		16	Employees
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Construct/Remove Sedimentation Ponds :	BAAQMD:T1		8	Trucks
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Construct/Remove Sedimentation Ponds :	Rubber Tired Dozers	140	16	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Construct/Remove Sedimentation Ponds :	Excavators	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : On-Site Excavation : Dewater Canal Exc Area : Construct/Remove Sedimentation Ponds :	Off-Highway Trucks	285	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	BAAQMD:LDA		20	Employees

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	Excavators	608	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	Rubber Tired Dozers	310	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	Off-Highway Trucks	500	24	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Import and Place : Haul from Borrow, 100 T Tr <2500 :	Rubber Tired Dozers	140	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Slope Finish : :	Graders	215	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Slope Finish : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Slope Finish : :	Rollers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Slope Finish : :	Scrapers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Slope Finish : :	Rubber Tired Dozers	140	0	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Channel Bottom Finish : :	Graders	215	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Channel Bottom Finish : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Channel Bottom Finish : :	Rollers	150	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Channel Bottom Finish : :	Scrapers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Embankment Top Finish : :	Graders	215	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Embankment Top Finish : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Embankment Top Finish : :	Rollers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Embankment Top Finish : :	Scrapers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Other Flat Area Finish : :	Graders	215	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Other Flat Area Finish : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Other Flat Area Finish : :	Rollers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Import and Place as Embankment : Other Flat Area Finish : :	Scrapers	150	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Drainage : Export Unsuitable Material : :	BAAQMD:LDA		12	Employees
Canal	North Clifton Court Approach Canal : Drainage : Export Unsuitable Material : :	BAAQMD:T2		8	Trucks
Canal	North Clifton Court Approach Canal : Drainage : Export Unsuitable Material : :	Excavators	384	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Drainage : Export Unsuitable Material : :	Off-Highway Trucks	405	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Drainage : Export Unsuitable Material : :	Rubber Tired Dozers	140	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Drainage : Finish Grade Ditch : :	Excavators	163	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Drainage : Finish Grade Ditch : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Drainage : Finish Grade Ditch : :	BAAQMD:T2		16	Trucks
Canal	North Clifton Court Approach Canal : SWPPP : : :	BAAQMD:LDA		25	Employees
Canal	North Clifton Court Approach Canal : SWPPP : : :	BAAQMD:T2		8	Trucks
Canal	North Clifton Court Approach Canal : SWPPP : : :	Tractors/Loaders/Back hoes	164	8	Offroad Equip

Facility	Phase	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Excavate Overburden to 3' Depth :	BAAQMD:LDA		10	Employees
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Excavate Overburden to 3' Depth :	Scrapers	283	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Excavate Overburden to 3' Depth :	Rubber Tired Dozers	0	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Excavate Overburden to 3' Depth :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Excavate Overburden to 3' Depth :	BAAQMD:T1		0	Trucks
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Refill from Borrow :	BAAQMD:LDA		10	Employees
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Refill from Borrow :	Scrapers	283	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Refill from Borrow :	Rubber Tired Dozers	0	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Refill from Borrow :	Graders	215	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Overexc and Recompact 40'W X3'Dx <7 Miles : Refill from Borrow :	Rollers	315	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Remove Haul Road Base : :	BAAQMD:LDA		8	Employees
Canal	North Clifton Court Approach Canal : Haul Roads : Remove Haul Road Base : :	Off-Highway Trucks	340	16	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Remove Haul Road Base : :	Rubber Tired Dozers	310	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Remove Haul Road Base : :	Rubber Tired Loaders	164	8	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Maintain Haul Roads : :	BAAQMD:LDA		12	Employees
Canal	North Clifton Court Approach Canal : Haul Roads : Maintain Haul Roads : :	Graders	215	10	Offroad Equip
Canal	North Clifton Court Approach Canal : Haul Roads : Maintain Haul Roads : :	BAAQMD:T7		16	Trucks

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2 **Table 22B-7. Summary of Construction Off-Road Equipment, On-Road Vehicles, Locomotives, Marine Vessels, and Helicopters for**  
 3 **Construction of the Water Conveyance Facilities Associated with Alternatives 1B, 2B, and 6B (East Alignment)**

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G2 Scribner Road: Roadway Embankment: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G3 Hood-Franklin Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G4 Lambert Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G5 Dierssen Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G6 Twin Cities Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G7 West Barber Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G8 West Walnut Grove Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G9 North Blossom Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G10 West Woodbridge Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G11 SR12: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G11 SR12: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G11 SR12: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G11 SR12: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G11 SR12: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G11 SR12: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G11 SR12: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G11 SR12: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G12 North Guard Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G13 West Eight Mile Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G14 West McDonald Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G15 SR4: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G15 SR4: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G15 SR4: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G15 SR4: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G15 SR4: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G15 SR4: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G15 SR4: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G15 SR4: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G16 West Bacon Island Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G17 South Tracy Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G18 Cal Pack Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Load and Haul Borrow:	LDA Passenger	-	16	Employees
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Load and Haul Borrow:	Excavators	384	8	Offroad Equip
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Load and Haul Borrow:	Graders	215	8	Offroad Equip
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Load and Haul Borrow:	Off-Highway Trucks	340	40	Offroad Equip
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Place Embankment:	LDA Passenger	-	8	Employees
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Place Embankment:	Rollers	315	8	Offroad Equip
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Place Embankment:	Rubber Tired Dozers	310	8	Offroad Equip
Bridge	Bridges: G19 Clifton Court Road: Roadway Fill: Place Embankment:	T7 Heavy Duty	-	8	Trucks
Canal	Canals: Clear and Grub: Clear and Grub::	LDA Passenger	-	16	Employees
Canal	Canals: Clear and Grub: Clear and Grub::	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Clear and Grub: Clear and Grub::	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Clear and Grub: Clear and Grub::	LDT2 Light Duty	-	16	Trucks
Canal	Canals: Clear and Grub: Clear and Grub::	Other Material Handling Equipment	35	8	Offroad Equip
Canal	Canals: Clear and Grub: Clear and Grub::	Excavators	128	8	Offroad Equip
Canal	Canals: Clear and Grub: Demolition of Structures::	LDA Passenger	-	18	Employees
Canal	Canals: Clear and Grub: Demolition of Structures::	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Clear and Grub: Demolition of Structures::	Excavators	128	8	Offroad Equip
Canal	Canals: Clear and Grub: Demolition of Structures::	LDT2 Light Duty	-	16	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Excavate Trenches:	LDA Passenger	-	5	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Excavate Trenches:	LDT1 Light Duty	-	4	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Excavate Trenches:	Excavators	384	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Excavate Trenches:	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Pump Install and Maintain:	LDA Passenger	-	10	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Pump Install and Maintain:	T7 Heavy Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Construct/Remove Sedimentation Ponds:	LDA Passenger	-	16	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Construct/Remove Sedimentation Ponds:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Construct/Remove Sedimentation Ponds:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Construct/Remove Sedimentation Ponds:	Excavators	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Construct/Remove Sedimentation Ponds:	Off-Highway Trucks	285	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	LDA Passenger	-	20	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	Scrapers	283	24	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	Rubber Tired Dozers	613	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	Rollers	315	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	Graders	215	4	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:	Tractors/Loaders/Back hoes	500	4	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 5 Truck:	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 5 Truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 5 Truck:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 5 Truck:	Off-Highway Trucks	500	32	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 5 Truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 6 Truck:	LDA Passenger	-	16	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 6 Truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 6 Truck:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 6 Truck:	Off-Highway Trucks	500	32	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 6 Truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 7 Truck:	LDA Passenger	-	20	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 7 Truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 7 Truck:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 7 Truck:	Off-Highway Trucks	500	48	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 7 Truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Scarify and Recompact Canal Invert::	Graders	215	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Scarify and Recompact Canal Invert::	LDA Passenger	-	4	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Scarify and Recompact Canal Invert::	Rollers	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	LDA Passenger	-	22	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	Scrapers	283	32	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	Rubber Tired Dozers	613	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	Rollers	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Flip Flop Non Organics::	Graders	215	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	LDA Passenger	-	22	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	Rollers	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	Off-Highway Trucks	500	32	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:	Graders	215	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	LDA Passenger	-	22	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	Rollers	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	Rubber Tired Dozers	310	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	Off-Highway Trucks	500	32	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:	Graders	215	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	LDA Passenger	-	26	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	Rollers	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	Off-Highway Trucks	500	48	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:	Graders	215	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	LDA Passenger	-	32	Employees
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	Excavators	608	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	Off-Highway Trucks	405	40	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	Rollers	315	8	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	Graders	215	4	Offroad Equip
Canal	Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:	Tractors/Loaders/Back hoes	500	3	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	LDA Passenger	-	17	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	Off-Highway Trucks	500	24	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	Rollers	315	8	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:	Graders	215	3	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck:	LDA Passenger	-	16	Employees
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck:	Off-Highway Trucks	500	32	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck:	LDA Passenger	-	18	Employees
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck:	Off-Highway Trucks	500	40	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF from >11m truck:	LDA Passenger	-	28	Employees
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF from >11m truck:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF from >11m truck:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF from >11m truck:	Off-Highway Trucks	500	40	Offroad Equip
Canal	Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF from >11m truck:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	LDA Passenger	-	20	Employees
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	Off-Highway Trucks	500	24	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	Rollers	315	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:	Graders	215	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	LDA Passenger	-	21	Employees
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	Off-Highway Trucks	500	28	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	Rollers	315	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:	Graders	215	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed For Emb. Top Out:	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed For Emb. Top Out:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed For Emb. Top Out:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed For Emb. Top Out:	Off-Highway Trucks	500	32	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed For Emb. Top Out:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed Reach To Reach:	LDA Passenger	-	28	Employees
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed Reach To Reach:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed Reach To Reach:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed Reach To Reach:	Off-Highway Trucks	405	40	Offroad Equip
Canal	Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed Reach To Reach:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Construction Drying Beds:	LDA Passenger	-	18	Employees
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Construction Drying Beds:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Construction Drying Beds:	Scrapers	283	24	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Construction Drying Beds:	Rollers	150	8	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Construction Drying Beds:	Graders	215	8	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Operate Drying Beds:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Operate Drying Beds:	LDA Passenger	-	4	Employees
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	LDA Passenger	-	22	Employees
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	Off-Highway Trucks	405	40	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	Rubber Tired Loaders	164	8	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	Rubber Tired Dozers	310	8	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	Rollers	315	8	Offroad Equip
Canal	Canals: On-Site Excavation: Moisture Condition Suitable Material: Double Handle Suitable:	Graders	215	8	Offroad Equip
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Excavate Trenches:	LDA Passenger	-	5	Employees
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Excavate Trenches:	LDT1 Light Duty	-	4	Trucks
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Excavate Trenches:	Excavators	608	8	Offroad Equip
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Excavate Trenches:	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Pump Install and Maintain:	LDA Passenger	-	10	Employees
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Pump Install and Maintain:	T7 Heavy Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Construct/Remove Sedimentation Ponds:	LDA Passenger	-	16	Employees
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Construct/Remove Sedimentation Ponds:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Construct/Remove Sedimentation Ponds:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Construct/Remove Sedimentation Ponds:	Excavators	315	8	Offroad Equip
Canal	Canals: On-Site Excavation: Dewater Canal Exc Area: Construct/Remove Sedimentation Ponds:	Off-Highway Trucks	285	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Clear and Grub Borrow Area:	LDA Passenger	-	16	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Clear and Grub Borrow Area:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Clear and Grub Borrow Area:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Clear and Grub Borrow Area:	LDT2 Light Duty	-	16	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Import and Place as Embankment: Import and Place: Clear and Grub Borrow Area:	Other Material Handling Equipment	35	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Clear and Grub Borrow Area:	Excavators	128	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Strip Unsuitable from Borrow Areas:	LDA Passenger	-	14	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Strip Unsuitable from Borrow Areas:	Scrapers	283	32	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Strip Unsuitable from Borrow Areas:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Strip Unsuitable from Borrow Areas:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	LDA Passenger	-	32	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	Excavators	608	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	Rollers	315	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	Rubber Tired Dozers	310	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	Off-Highway Trucks	500	24	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	Graders	215	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr <2500:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	LDA Passenger	-	36	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	Excavators	608	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	Rollers	315	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	Rubber Tired Dozers	310	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	Off-Highway Trucks	500	40	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	Graders	215	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, 2500-7000:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	LDA Passenger	-	38	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	Excavators	608	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	Rollers	315	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	Rubber Tired Dozers	310	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	Off-Highway Trucks	500	48	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	Graders	215	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow, 100 T Tr, >11000:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow to King Island:	LDA Passenger	-	28	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow to King Island:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow to King Island:	Excavators	384	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow to King Island:	Off-Highway Trucks	405	40	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Haul from Borrow to King Island:	Rubber Tired Dozers	310	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Excavate Trenches:	LDA Passenger	-	5	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Import and Place as Embankment: Import and Place: Excavate Trenches:	LDT1 Light Duty	-	4	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Excavate Trenches:	Excavators	384	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Excavate Trenches:	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Pump Install and Maintain:	LDA Passenger	-	12	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Pump Install and Maintain:	T7 Heavy Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Construct/Remove Sedimentation Ponds:	LDA Passenger	-	16	Employees
Canal	Canals: Import and Place as Embankment: Import and Place: Construct/Remove Sedimentation Ponds:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Import and Place as Embankment: Import and Place: Construct/Remove Sedimentation Ponds:	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Construct/Remove Sedimentation Ponds:	Excavators	315	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Import and Place: Construct/Remove Sedimentation Ponds:	Off-Highway Trucks	285	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Slope Finish::	Graders	215	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Slope Finish::	LDA Passenger	-	10	Employees
Canal	Canals: Import and Place as Embankment: Slope Finish::	Rollers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Slope Finish::	Scrapers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Slope Finish::	Rubber Tired Dozers	140	0	Offroad Equip
Canal	Canals: Import and Place as Embankment: Channel Bottom Finish::	Graders	215	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Channel Bottom Finish::	LDA Passenger	-	10	Employees
Canal	Canals: Import and Place as Embankment: Channel Bottom Finish::	Rollers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Channel Bottom Finish::	Scrapers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Embankment Top Finish::	Graders	215	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Embankment Top Finish::	LDA Passenger	-	10	Employees
Canal	Canals: Import and Place as Embankment: Embankment Top Finish::	Rollers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Embankment Top Finish::	Scrapers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Other Flat Area Finish::	Graders	215	16	Offroad Equip
Canal	Canals: Import and Place as Embankment: Other Flat Area Finish::	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Import and Place as Embankment: Other Flat Area Finish::	Rollers	150	8	Offroad Equip
Canal	Canals: Import and Place as Embankment: Other Flat Area Finish::	Scrapers	150	8	Offroad Equip
Canal	Canals: Toe Roads: Excavate for Toe Roads::	LDA Passenger	-	8	Employees
Canal	Canals: Toe Roads: Excavate for Toe Roads::	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Toe Roads: Excavate for Toe Roads::	Excavators	384	8	Offroad Equip
Canal	Canals: Toe Roads: Excavate for Toe Roads::	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Toe Roads: Excavate for Toe Roads::	Rollers	315	8	Offroad Equip
Canal	Canals: Toe Roads: Backfill Excavation from Borrow::	Excavators	384	8	Offroad Equip
Canal	Canals: Toe Roads: Backfill Excavation from Borrow::	LDA Passenger	-	16	Employees
Canal	Canals: Toe Roads: Backfill Excavation from Borrow::	Rubber Tired Dozers	140	16	Offroad Equip
Canal	Canals: Toe Roads: Backfill Excavation from Borrow::	Graders	215	8	Offroad Equip
Canal	Canals: Toe Roads: Backfill Excavation from Borrow::	Rollers	315	8	Offroad Equip
Canal	Canals: Toe Roads: Backfill Excavation from Borrow::	Off-Highway Trucks	405	24	Offroad Equip
Canal	Canals: Drainage: Export Unsuitable Material::	LDA Passenger	-	22	Employees
Canal	Canals: Drainage: Export Unsuitable Material::	LDT2 Light Duty	-	8	Trucks
Canal	Canals: Drainage: Export Unsuitable Material::	Excavators	384	8	Offroad Equip
Canal	Canals: Drainage: Export Unsuitable Material::	Off-Highway Trucks	405	40	Offroad Equip
Canal	Canals: Drainage: Export Unsuitable Material::	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Drainage: Finish Grade Ditch::	Excavators	163	16	Offroad Equip
Canal	Canals: Drainage: Finish Grade Ditch::	LDA Passenger	-	10	Employees
Canal	Canals: Drainage: Finish Grade Ditch::	LDT2 Light Duty	-	16	Trucks
Canal	Canals: Irrigation Ditches: Export Unsuitable Material::	LDA Passenger	-	24	Employees
Canal	Canals: Irrigation Ditches: Export Unsuitable Material::	LDT2 Light Duty	-	8	Trucks
Canal	Canals: Irrigation Ditches: Export Unsuitable Material::	Excavators	384	8	Offroad Equip
Canal	Canals: Irrigation Ditches: Export Unsuitable Material::	Off-Highway Trucks	405	40	Offroad Equip
Canal	Canals: Irrigation Ditches: Export Unsuitable Material::	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Irrigation Ditches: Export Unsuitable Material::	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Irrigation Ditches: Finish Grade Ditch::	Excavators	163	16	Offroad Equip
Canal	Canals: Irrigation Ditches: Finish Grade Ditch::	LDA Passenger	-	10	Employees
Canal	Canals: Irrigation Ditches: Finish Grade Ditch::	LDT2 Light Duty	-	16	Trucks
Canal	Canals: SWPPP:::	LDA Passenger	-	14	Employees
Canal	Canals: SWPPP:::	LDT2 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: SWPPP:::	Rubber Tired Loaders	164	8	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Excavate Overburden to 3' Depth:	LDA Passenger	-	14	Employees
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Excavate Overburden to 3' Depth:	Scrapers	283	32	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Excavate Overburden to 3' Depth:	Rubber Tired Dozers	613	8	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Excavate Overburden to 3' Depth:	Rollers	315	8	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Excavate Overburden to 3' Depth:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:	LDA Passenger	-	20	Employees
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:	Scrapers	283	48	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:	Rubber Tired Dozers	613	8	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:	Graders	215	8	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:	Rollers	315	8	Offroad Equip
Canal	Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Haul Roads: Remove Haul Road Base::	LDA Passenger	-	16	Employees
Canal	Canals: Haul Roads: Remove Haul Road Base::	Off-Highway Trucks	340	32	Offroad Equip
Canal	Canals: Haul Roads: Remove Haul Road Base::	Rubber Tired Dozers	310	8	Offroad Equip
Canal	Canals: Haul Roads: Remove Haul Road Base::	Rubber Tired Loaders	164	8	Offroad Equip
Canal	Canals: Haul Roads: Remove Haul Road Base::	Rubber Tired Dozers	140	8	Offroad Equip
Canal	Canals: Haul Roads: Remove Haul Road Base::	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Haul Roads: Construct Trestles Over Slough::	LDA Passenger	-	36	Employees
Canal	Canals: Haul Roads: Construct Trestles Over Slough::	Cranes	340	8	Offroad Equip
Canal	Canals: Haul Roads: Construct Trestles Over Slough::	Cranes	200	8	Offroad Equip
Canal	Canals: Haul Roads: Construct Trestles Over Slough::	LDT2 Light Duty	-	8	Trucks
Canal	Canals: Haul Roads: Construct Trestles Over Slough::	LDT1 Light Duty	-	8	Trucks
Canal	Canals: Haul Roads: Maintain Haul Roads::	LDA Passenger	-	20	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Canal	Canals: Haul Roads: Maintain Haul Roads::	LDT2 Light Duty	-	16	Trucks
Canal	Canals: Haul Roads: Maintain Haul Roads::	Rubber Tired Loaders	164	8	Offroad Equip
Canal	Canals: Haul Roads: Maintain Haul Roads::	Graders	215	24	Offroad Equip
Canal	Canals: Haul Roads: Maintain Haul Roads::	T7 Heavy Duty	-	24	Trucks
Canal	Canals: Haul Roads: Maintain Haul Roads::	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: SWPP:	LDA Passenger	-	6	Employees
Control Structure	Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures: SWPP:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	18	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: SWPP:	LDA Passenger	-	6	Employees
Control Structure	Control Structure:Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures: SWPP:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Point & Patch	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	14	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	LDA Passenger	-	18	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Cranes	200	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	LDA Passenger	-	8	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	Welders	46	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	16	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	12	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	14	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	14	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Point & Patch	LDA Passenger	-	8	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	14	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: SWPPP:	LDA Passenger	-	6	Employees
Control Structure	Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control Structures: SWPPP:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDA Passenger	-	22	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	20	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	8	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Point & Patch	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	LDA Passenger	-	20	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	LDA Passenger	-	8	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Cranes	200	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Erect Cells	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	LDA Passenger	-	10	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	LDA Passenger	-	8	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	LDA Passenger	-	8	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Remove Cells	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Install / Remove Sheetpile Cutoff In River: Set Walers	Welders	46	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	22	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	6	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	12	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	12	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Point & Patch	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	2	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Finish	Air Compressors	123	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	12	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	12	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Point & Patch	LDA Passenger	-	8	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	14	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	LDA Passenger	-	20	Employees
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: SWPPP:	LDT1 Light Duty	-	8	Trucks
Control Structure	Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures: SWPPP:	LDA Passenger	-	4	Employees
Forebay	Forebays: Remove Unsuitable-Export: Excavate and Haul Off Unsuitable::	LDA Passenger	-	18	Employees
Forebay	Forebays: Remove Unsuitable-Export: Excavate and Haul Off Unsuitable::	LDT1 Light Duty	-	8	Trucks
Forebay	Forebays: Remove Unsuitable-Export: Excavate and Haul Off Unsuitable::	Excavators	608	8	Offroad Equip
Forebay	Forebays: Remove Unsuitable-Export: Excavate and Haul Off Unsuitable::	Off-Highway Trucks	500	40	Offroad Equip
Forebay	Forebays: Remove Unsuitable-Export: Excavate and Haul Off Unsuitable::	Rubber Tired Dozers	310	16	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Scraper Cut/Fill::	LDA Passenger	-	26	Employees
Forebay	Forebays: Cut/Fill-Build Levees: Scraper Cut/Fill::	LDT1 Light Duty	-	8	Trucks
Forebay	Forebays: Cut/Fill-Build Levees: Scraper Cut/Fill::	Scrapers	283	48	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Scraper Cut/Fill::	Rubber Tired Dozers	410	16	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Scraper Cut/Fill::	Rubber Tired Dozers	140	16	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Scraper Cut/Fill::	Rollers	315	8	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Slope Finish::	Graders	215	16	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Slope Finish::	LDA Passenger	-	10	Employees
Forebay	Forebays: Cut/Fill-Build Levees: Slope Finish::	Rollers	150	8	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Slope Finish::	Scrapers	150	8	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Bottom Finish::	Graders	215	16	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Bottom Finish::	LDA Passenger	-	10	Employees
Forebay	Forebays: Cut/Fill-Build Levees: Bottom Finish::	Rollers	150	8	Offroad Equip
Forebay	Forebays: Cut/Fill-Build Levees: Bottom Finish::	Scrapers	150	8	Offroad Equip
Forebay	Forebays: Export Suitable: Load and Haul::	LDA Passenger	-	16	Employees
Forebay	Forebays: Export Suitable: Load and Haul::	Excavators	608	8	Offroad Equip
Forebay	Forebays: Export Suitable: Load and Haul::	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Forebay	Forebays: Export Suitable: Load and Haul::	Rubber Tired Dozers	310	8	Offroad Equip
Forebay	Forebays: Export Suitable: Load and Haul::	Off-Highway Trucks	500	40	Offroad Equip
Forebay	Forebays: Export Suitable: Slope Protection: Place Rip Rap:	Excavators	163	8	Offroad Equip
Forebay	Forebays: Export Suitable: Slope Protection: Place Rip Rap:	LDA Passenger	-	12	Employees
Forebay	Forebays: Export Suitable: Slope Protection: Place Rip Rap:	LDT1 Light Duty	-	8	Trucks
Forebay	Forebays: Export Suitable: Slope Protection: Place Rip Rap:	Rubber Tired Loaders	164	16	Offroad Equip
Forebay	Forebays: Export Suitable: Slope Protection: Place Bedding Material:	Rubber Tired Loaders	164	16	Offroad Equip
Forebay	Forebays: Export Suitable: Slope Protection: Place Bedding Material:	LDA Passenger	-	8	Employees
Forebay	Forebays: Export Suitable: Slope Protection: Place Bedding Material:	Graders	215	8	Offroad Equip
Forebay	Forebays: Export Suitable: Slope Protection: Place Fabric:	LDA Passenger	-	10	Employees
Forebay	Forebays: Export Suitable: Slope Protection: Place Fabric:	LDT2 Light Duty	-	8	Trucks
Forebay	Forebays: SWPP:::	LDA Passenger	-	18	Employees
Forebay	Forebays: SWPP:::	LDT2 Light Duty	-	8	Trucks
Forebay	Forebays: SWPP:::	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	Rubber Tired Dozers	140	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	Other Material Handling Equipment	35	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	Excavators	128	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Dewatering::	LDA Passenger	-	5	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Dewatering::	Pumps	10	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Dewatering::	Off-Highway Trucks	479	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP::	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP::	Rubber Tired Dozers	140	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP::	Excavators	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: SWPPP::	Off-Highway Trucks	285	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Rubber Tired Dozers	410	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Rubber Tired Dozers	310	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Excavators	608	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Tractors/Loaders/Back hoes	500	2	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Excavators	608	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Rubber Tired Dozers	410	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Rubber Tired Dozers	310	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Tractors/Loaders/Back hoes	500	2	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	Off-Highway Trucks	500	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	Rollers	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	Plate Compactors	6.5	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	Rubber Tired Dozers	310	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill::	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile::	LDA Passenger	-	18	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile::	Excavators	608	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile::	Off-Highway Trucks	500	24	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile::	Rubber Tired Dozers	310	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile::	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	Off-Highway Trucks	500	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	Graders	215	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	Rollers	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	T7 Heavy Duty	-	4	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	Plate Compactors	6.5	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill::	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	LDA Passenger	-	6	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Plant & Operations:	T7 Heavy Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Placing Crews:	LDA Passenger	-	14	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Placing Crews:	Pumps	210	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Finish:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Treat CJ:	LDA Passenger	-	6	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Treat CJ:	Air Compressors	123	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Forebay Concrete: Forebay From New North Canal Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	LDA Passenger	-	19	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	4	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Cranes	350	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Drive Foundation Piles:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Concrete Fill On Piles:	LDA Passenger	-	8	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Concrete Fill On Piles:	Cranes	160	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House: Place Concrete Fill On Piles:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Placing Crews:	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Placing Crews:	Pumps	210	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Finish:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Slab On Grade Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Placing Crews:	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Placing Crews:	Pumps	210	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Finish:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Volute Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	LDA Passenger	-	12	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Air Compressors	560	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Welders	30	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Cranes	147	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Wall Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	LDA Passenger	-	12	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	Cranes	335	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Plant & Operations:	T7 Heavy Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Finish:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Formwork:	LDA Passenger	-	16	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Pump House Elevated Slab Concrete: Roof Falsework:	LDA Passenger	-	24	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	LDA Passenger	-	17	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Scrapers	283	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Rubber Tired Dozers	613	16	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Rollers	315	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Graders	215	4	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Rubber Tired Dozers	140	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:	T7 Heavy Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	LDA Passenger	-	12	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Scrapers	283	24	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Rubber Tired Dozers	613	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Graders	215	4	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Rubber Tired Dozers	140	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	Pumps	24	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Remove Base Rock:	T7 Heavy Duty	-	4	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 11' Dia Piping:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 11' Dia Piping:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 11' Dia Piping:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 12' Dia Piping:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 12' Dia Piping:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: 12' Dia Piping:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Flex Couplings:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Flex Couplings:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Flex Couplings:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Air Valve:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Air Valve:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Air Valve:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Install All Piping, Fittings & Valves:	LDA Passenger	-	20	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Install All Piping, Fittings & Valves:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Piping: Install All Piping, Fittings & Valves:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 11' Hydraulicall Activated BFV:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 11' Hydraulicall Activated BFV:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 11' Hydraulicall Activated BFV:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 8' Electrically Activated BFV:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 8' Electrically Activated BFV:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Butterfly Valves: 8' Electrically Activated BFV:	LDT1 Light Duty	-	8	Trucks
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Flow Meter Vaults, 16'x16'x20' Deep:	LDA Passenger	-	15	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Flow Meter Vaults, 16'x16'x20' Deep:	Pumps	210	2	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Ultra Sonic Flow Meters:	LDA Passenger	-	20	Employees
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Ultra Sonic Flow Meters:	Cranes	340	8	Offroad Equip
Intermediate Pumping Plant	Intermediate Pumping Plant: Forebay From New North Canal: Flow Meter Vaults: Ultra Sonic Flow Meters:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Dewatering for Conduits: Sumps and Pumps	LDA Passenger	-	18	Employees
Pipeline	Pipeline: Dewatering for Conduits: Sumps and Pumps	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Dewatering for Conduits: Sumps and Pumps	Excavators	608	8	Offroad Equip
Pipeline	Pipeline: Dewatering for Conduits: Sumps and Pumps	Off-Highway Trucks	500	32	Offroad Equip
Pipeline	Pipeline: Dewatering for Conduits: Sumps and Pumps	Graders	285	8	Offroad Equip
Pipeline	Pipeline: Dewatering for Conduits: Sumps and Pumps	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline: Excavate & Stockpile For Reuse As BF:	LDA Passenger	-	12	Employees
Pipeline	Pipeline: Excavate & Stockpile For Reuse As BF:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline: Excavate & Stockpile For Reuse As BF:	Excavators	608	8	Offroad Equip
Pipeline	Pipeline: Excavate & Stockpile For Reuse As BF:	Off-Highway Trucks	500	16	Offroad Equip
Pipeline	Pipeline: Excavate & Stockpile For Reuse As BF:	Graders	285	8	Offroad Equip
Pipeline	Pipeline: Pipe Procurement: Stage and Handle Pipe	LDA Passenger	-	24	Employees
Pipeline	Pipeline: Pipe Procurement: Stage and Handle Pipe	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pipe Procurement: Stage and Handle Pipe	Cranes	350	8	Offroad Equip
Pipeline	Pipeline: Pipe Procurement: Stage and Handle Pipe	Cranes	200	8	Offroad Equip
Pipeline	Pipeline: Pipe Procurement: Stage and Handle Pipe	Off-Highway Trucks	175	40	Offroad Equip
Pipeline	Pipeline: Place Pipe Bedding: Place Bedding	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Place Pipe Bedding: Place Bedding	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Place Pipe Bedding: Place Bedding	Graders	215	8	Offroad Equip
Pipeline	Pipeline: Place Pipe Bedding: Place Bedding	Rollers	150	8	Offroad Equip
Pipeline	Pipeline: Place Pipe Bedding: Place Bedding	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline: Place Pipe Bedding: Place Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline: Set & Weld Pipe: Place Pipe	LDA Passenger	-	18	Employees
Pipeline	Pipeline: Set & Weld Pipe: Place Pipe	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Set & Weld Pipe: Place Pipe	Cranes	340	8	Offroad Equip
Pipeline	Pipeline: Set & Weld Pipe: Place Pipe	T7 Heavy Duty	-	8	Trucks
Pipeline	Pipeline: Set & Weld Pipe: Weld Pipe	LDA Passenger	-	12	Employees
Pipeline	Pipeline: Set & Weld Pipe: Weld Pipe	T7 Heavy Duty	-	24	Trucks
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	LDA Passenger	-	28	Employees
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	Graders	215	8	Offroad Equip
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	Rollers	150	16	Offroad Equip
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline: Place Backfill: Place Sand in Pipe Zone	Rollers	2.8	16	Offroad Equip
Pipeline	Pipeline: Place Backfill: Backfill - Load and Haul	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Place Backfill: Backfill - Load and Haul	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Place Backfill: Backfill - Load and Haul	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline: Place Backfill: Backfill - Load and Haul	Off-Highway Trucks	500	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline: Place Backfill: Backfill - Load and Haul	Graders	285	8	Offroad Equip
Pipeline	Pipeline: Place Backfill: Backfill - Place and Compact	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Place Backfill: Backfill - Place and Compact	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Place Backfill: Backfill - Place and Compact	Rubber Tired Dozers	310	16	Offroad Equip
Pipeline	Pipeline: Place Backfill: Backfill - Place and Compact	Rollers	315	8	Offroad Equip
Pipeline	Pipeline: Place Backfill: Backfill - Place and Compact	Graders	215	8	Offroad Equip
Pipeline	Pipeline: Air and Vacuum Release:	LDA Passenger	-	4	Employees
Pipeline	Pipeline: SWPPP:	LDA Passenger	-	6	Employees
Pipeline	Pipeline: SWPPP:	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	LDA Passenger	-	24	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Excavators	608	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Rubber Tired Dozers	410	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Graders	215	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	Pumps	24	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Excavate and Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	LDA Passenger	-	24	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Off-Highway Trucks	405	24	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Graders	215	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Pumps	24	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Rollers	315	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Backfill	Rubber Tired Dozers	410	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	LDA Passenger	-	18	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	Off-Highway Trucks	405	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	Graders	215	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	Pumps	24	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Bedding	Rollers	150	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	LDA Passenger	-	8	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Placing Crews:	LDA Passenger	-	24	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Placing Crews:	Pumps	210	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Finish:	LDA Passenger	-	16	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Point and Patch:	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: SOG Concrete: Formwork:	LDA Passenger	-	16	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	Welders	30	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	LDA Passenger	-	8	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Placing Crews:	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Finish:	LDA Passenger	-	16	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Point and Patch:	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Place Wall Concrete: Formwork:	LDA Passenger	-	16	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	Welders	30	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	LDA Passenger	-	8	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	Cranes	147	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Plant & Operations:	Cranes	335	8	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Placing Crews:	LDA Passenger	-	24	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Placing Crews:	Pumps	210	16	Offroad Equip
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Finish:	LDA Passenger	-	16	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Point and Patch:	LDA Passenger	-	10	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pipeline	Pipeline: Pumping Plant Transition Structure: Roof Falsework: Formwork:	LDA Passenger	-	16	Employees
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	LDA Passenger	-	24	Employees
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Excavators	608	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Rubber Tired Dozers	410	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Graders	215	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Graders	285	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Off-Highway Trucks	500	24	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	Pumps	24	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Haul	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	LDA Passenger	-	24	Employees
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Excavators	608	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Rubber Tired Dozers	410	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Graders	215	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Graders	285	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Off-Highway Trucks	500	24	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	Pumps	24	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Excavate and Stockpile	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Backfill	LDA Passenger	-	24	Employees
Pipeline	Pipeline to Canal Transition Structure: Backfill	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Backfill	Off-Highway Trucks	405	32	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Backfill	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Backfill	Graders	215	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Backfill	Pumps	24	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Backfill	Rollers	315	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Backfill	Rubber Tired Dozers	410	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	LDA Passenger	-	18	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	LDT1 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	Off-Highway Trucks	405	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	Graders	215	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	Pumps	24	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Bedding	Rollers	150	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Placing Crews:	LDA Passenger	-	24	Employees
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Placing Crews:	Pumps	210	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Finish:	LDA Passenger	-	16	Employees
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Point and Patch:	LDA Passenger	-	10	Employees
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pipeline	Pipeline to Canal Transition Structure: SOG Concrete: Formwork:	LDA Passenger	-	16	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Finish:	LDA Passenger	-	16	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Point and Patch:	LDA Passenger	-	10	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pipeline	Pipeline to Canal Transition Structure: Place Wall Concrete: Formwork:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Clearing/Grubbing	Graders	215	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Clearing/Grubbing	Excavators	315	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Clearing/Grubbing	Rubber Tired Dozers	285	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Clearing/Grubbing	Scrapers	313	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Clearing/Grubbing	Tractors/Loaders/Back hoes	48	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Clearing/Grubbing	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Dewatering	Pumps	10	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Dewatering	Off-Highway Trucks	479	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Clearing/Grubbing: Dewatering	LDA Passenger	-	5	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	Rubber Tired Dozers	310	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	Graders	215	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	Pumps	24	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	Excavators	608	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	Rubber Tired Dozers	410	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	T7 Heavy Duty	-	4	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Haul To Waste	LDA Passenger	-	19	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	T7 Heavy Duty	-	4	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	Off-Highway Trucks	500	24	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	Graders	215	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	Rubber Tired Dozers	310	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	Rubber Tired Dozers	410	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	Excavators	608	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Excavation & Stockpile	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Rollers	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Rubber Tired Dozers	140	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Rubber Tired Dozers	310	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Plate Compactors	6.5	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Pumps	24	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	T7 Heavy Duty	-	4	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	Off-Highway Trucks	405	24	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill: Place Stockpiled Material As Backfill	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	Graders	215	4	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	Rollers	315	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	Rubber Tired Dozers	310	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	Pumps	24	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	T7 Heavy Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	Off-Highway Trucks	405	32	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Excavation & Backfill:Import & Place Material::	LDA Passenger	-	23	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	Rollers	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	Graders	215	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Gavel Bedding	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Drive Foundation Piles	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Concrete Fill In Piles	Cranes	160	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Concrete Fill In Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Place Concrete Fill In Piles	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Plant & Operations:	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Plant & Operations:	Cranes	147	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Plant & Operations:	LDT2 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Plant & Operations:	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Placing Crews:	Pumps	210	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Placing Crews:	LDA Passenger	-	32	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Point & Patch:	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Treat CJ:	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Cure & Cleanup:	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation SOG & Solids Lagoons: Formwork:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Plant & Operations:	Cranes	147	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Plant & Operations:	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Finish:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Point & Patch:	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Wall Concrete: Cure & Cleanup:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Finish:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Cure & Cleanup:	LDA Passenger	-	2	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Formwork:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Sedimentation Basin Roof Concrete: Roof Falsework:	LDA Passenger	-	26	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Plant & Operations:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Plant & Operations:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Finish:	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging & Baffle Wall Concrete: Formwork:	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Sedimentation Basin: Hanging Wall Falsework	LDA Passenger	-	24	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	Graders	215	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	Rollers	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	Pumps	24	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	Off-Highway Trucks	405	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Gravel Bedding	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	Rubber Tired Loaders	164	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	Cranes	200	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	Other Construction Equipment	500	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	Cranes	350	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	Off-Highway Trucks	175	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Drive Foundation Piles	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Place Concrete Fill On Piles	Cranes	160	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Place Concrete Fill On Piles	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House: Place Concrete Fill On Piles	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Plant & Operations:	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Finish:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Treat CJ:	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Slab On Grade Concrete: Formwork:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Finish:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Treat CJ:	LDA Passenger	-	6	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Wall Concrete: Formwork:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	Cranes	147	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Plant & Operations:	LDA Passenger	-	8	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Placing Crews:	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Placing Crews:	LDA Passenger	-	14	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Finish:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Point & Patch:	LDA Passenger	-	10	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Pump House Roof Concrete: Formwork:	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Pump House: Roof Falsework	LDA Passenger	-	26	Employees
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults: Flow Meter Vault Concrete	Pumps	210	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults: Flow Meter Vault Concrete	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults: Ultra-Sonic Flow Meters	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults: Ultra-Sonic Flow Meters	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Flow Meter Vaults: Ultra-Sonic Flow Meters	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Butterfly Valves: Electrical Actuated BFV(96")	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Butterfly Valves: Electrical Actuated BFV(96")	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Butterfly Valves: Electrical Actuated BFV(96")	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Butterfly Valves: Hydraulic Actuated BFV(96")	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Butterfly Valves: Hydraulic Actuated BFV(96")	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Butterfly Valves: Hydraulic Actuated BFV(96")	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Discharge Piping (8' Dia)	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Discharge Piping (8' Dia)	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Discharge Piping (8' Dia)	T7 Heavy Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Discharge Piping (8' Dia)	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Installation Of Pumps, Valves & Fittings	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Installation Of Pumps, Valves & Fittings	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Installation Of Pumps, Valves & Fittings	LDA Passenger	-	16	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Flex Couplings	LDT1 Light Duty	-	8	Trucks
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Flex Couplings	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Flex Couplings	LDA Passenger	-	18	Employees
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Air Valves	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Air Valves	Cranes	340	8	Offroad Equip
Pumping Plant 1	Pumping Plant 1: Piping To Outside: Air Valves	LDA Passenger	-	18	Employees
River Intake 1	River Intake 1: Clear & Grub/Demolition	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition	Rubber Tired Dozers	285	8	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition	Tractors/Loaders/Back hoes	48	24	Offroad Equip
River Intake 1	River Intake 1: Clear & Grub/Demolition	LDA Passenger	-	15	Employees
River Intake 1	River Intake 1: Construct Detour Road: Dewater	Pumps	10	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Dewater	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Dewater	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Construct Detour Road: Overexc/Recompact	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Overexc/Recompact	Plate Compactors	6.5	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Overexc/Recompact	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	Scrapers	313	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	Off-Highway Trucks	189	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Import/Place Fill	T7 Heavy Duty	-	8	Trucks
River Intake 1	River Intake 1: Construct Detour Road: Base & Paving	LDA Passenger	-	2	Employees
River Intake 1	River Intake 1: Construct Detour Road: Base & Paving	Pavers	89	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Base & Paving	Paving Equipment	82	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Base & Paving	Rollers	84	8	Offroad Equip
River Intake 1	River Intake 1: Construct Detour Road: Stripe & Sign	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Construct Detour Road: Stripe & Sign	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Dewater	Pumps	10	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Dewater	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Dewater	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact	Excavators	315	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact	Plate Compactors	6.5	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact	LDA Passenger	-	5	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Excavators	315	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Scrapers	313	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	Off-Highway Trucks	189	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Import & Place Fill	T7 Heavy Duty	-	8	Trucks
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	LDA Passenger	-	2	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	Pavers	89	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	Paving Equipment	82	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Asphalt Concrete F/Road	Rollers	84	8	Offroad Equip
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Stripe & Sign	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Const B/U Levee/Widen Levee Top Access: Stripe & Sign	Off-Highway Trucks	479	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Other Construction Equipment	325	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Welders	30	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Drive Sheet Piles, PZ40:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Sheet Piles: Cutoff & Remove Sheetpiles:	LDA Passenger	-	18	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	LDA Passenger	-	24	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Other Construction Equipment	325	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Install Wales & Struts:	Welders	30	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Construct Sheetpile Cofferdam: Install & Remove Wales & Struts: Cutoff & Remove Sheetpiles:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Clamshell Excavation	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	Rubber Tired Dozers	140	8	Offroad Equip
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	LDT1 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	LDT2 Light Duty	-	24	Trucks
River Intake 1	River Intake 1: Excavate Cell: Unload Barge & Export	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Purchase Piles, 24" X 90':	Cranes	280	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Purchase Piles, 24" X 90':	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Weld Bottom Closure & Joint:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Weld Bottom Closure & Joint:	Cranes	280	4	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Provide Piles: Weld Bottom Closure & Joint:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Other Construction Equipment	31	8	Offroad Equip
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	LDA Passenger	-	14	Employees
River Intake 1	River Intake 1: Drive Foundation Piles: Drive Piles: Drive Foundation Piles:	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Unwater Cell	Pumps	100	32	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Unwater Cell	LDA Passenger	-	4	Employees
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	Pumps	210	16	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	Pumps	210	16	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	Pumps	127	16	Offroad Equip
River Intake 1	River Intake 1: Place Tremie Plug: Place Concrete	LDA Passenger	-	24	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set Pipe forms & Bulkhead	LDA Passenger	-	31	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set Pipe forms & Bulkhead	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set Pipe forms & Bulkhead	Pumps	127	2	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set Pipe forms & Bulkhead	Cranes	235	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set Pipe forms & Bulkhead	Welders	30	24	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Equip Intake for Jacking	LDA Passenger	-	21	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Equip Intake for Jacking	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Equip Intake for Jacking	Pumps	127	2	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Equip Intake for Jacking	Cranes	235	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Equip Intake for Jacking	Welders	30	24	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set TBM & Jacking Frame	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set TBM & Jacking Frame	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set TBM & Jacking Frame	Cranes	235	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe:Set TBM & Jacking Frame	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Jack Pipe inplace	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Jack Pipe inplace	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Jack Pipe inplace	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Jack Pipe inplace	Other Material Handling Equipment	127	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Jack Pipe inplace	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	Other Material Handling Equipment	127	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Micro Tunnel Intake Pipe: Remove TBM & Haul to Pier	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Pump Anular Grout	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Pump Anular Grout	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Pump Anular Grout	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Pump Anular Grout	Welders	30	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Clean Pipe	LDA Passenger	-	26	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Clean Pipe	Cranes	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Clean Pipe	Welders	30	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Grouting: Clean Pipe	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Muck Disposal: Muck Disposal	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Muck Disposal: Muck Disposal	Rollers	315	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Muck Disposal: Muck Disposal	Rubber Tired Dozers	140	8	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Muck Disposal: Muck Disposal	Off-Highway Trucks	235	16	Offroad Equip
River Intake 1	River Intake 1: Microtunnel Intake Conduits: Microtunneling:Muck Disposal: Muck Disposal	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Placing Crew:	Pumps	210	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Placing Crew:	Pumps	127	8	Offroad Equip
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Placing Crew:	LDA Passenger	-	14	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Point & Patch:	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Treat CJ:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
River Intake 1	River Intake 1: Place Concrete Hopper: Place Concrete: Formwork:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Placing Crew:	Pumps	127	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Placing Crew:	Pumps	210	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Placing Crew:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Point & Patch:	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Treat CJ:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Cure & Cleanup:	LDA Passenger	-	4	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Outside Walls Concrete: Formwork:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Falsework Up/Down For Roof:	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Air Compressors	560	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Welders	30	16	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Generator Sets	150	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Plant & Operations:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Placing Crew:	Pumps	210	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Placing Crew:	Pumps	127	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Placing Crew:	LDA Passenger	-	14	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Finish:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Point & Patch:	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Treat CJ:	Air Compressors	123	8	Offroad Equip
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Treat CJ:	LDA Passenger	-	6	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Cure & Cleanup:	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Construct Walls & Deck: Slab Concrete: Formwork:	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Bridge	Rubber Tired Dozers	285	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	Scrapers	313	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	Rubber Tired Loaders	164	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	Pavers	89	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
River Intake 1	River Intake 1: Bridge	Paving Equipment	82	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	Rollers	84	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	Trenchers	69	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	Off-Highway Trucks	189	8	Offroad Equip
River Intake 1	River Intake 1: Bridge	LDA Passenger	-	18	Employees
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	Excavators	163	8	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	Rubber Tired Loaders	164	16	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	LDT1 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Rip Rap: Place Rip Rap	LDA Passenger	-	8	Employees
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	Rubber Tired Loaders	164	16	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	Graders	215	8	Offroad Equip
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	LDT2 Light Duty	-	8	Trucks
River Intake 1	River Intake 1: Rip Rap: Place Bedding Material	LDA Passenger	-	12	Employees
River Intake 1	River Intake 1: Rip Rap: Place Fabric	LDA Passenger	-	10	Employees
River Intake 1	River Intake 1: Cleanup, Demobe	LDA Passenger	-	16	Employees
River Intake 1	River Intake 1: Cleanup, Demobe	Cranes	335	8	Offroad Equip
River Intake 1	River Intake 1: Cleanup, Demobe	category 1 work boats	100	8	Marine
River Intake 1	River Intake 1: Cleanup, Demobe	category 1 work boats	400	8	Marine
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility	LDA Passenger	-	13	Employees
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility	Cranes	147	8	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility	Rough Terrain Forklifts	83	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Construct Barge Unloading Facility	Tractors/Loaders/Back hoes	48	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	Cranes	147	8	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	Rough Terrain Forklifts	83	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	Tractors/Loaders/Back hoes	48	16	Offroad Equip
River Intake 1	River Intake 1: Barge Unloading Facility: Remove Barge Unloading Facility	LDA Passenger	-	13	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavate Channel/Build Levee:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavate Channel/Build Levee:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavate Channel/Build Levee:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavate Channel/Build Levee:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavate Channel/Build Levee:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheetpile Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Repair Levee:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Repair Levee:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Repair Levee:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	LDA Passenger	-	32	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Placing Crews	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	26	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Install Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Repair Levee:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Repair Levee:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Repair Levee:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	200	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Off-Highway Trucks	175	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Repair Levee:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Repair Levee:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Repair Levee:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Treat C]	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Treat C]	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	48	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	30	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Place Wall Concrete: Plant & Operations	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	48	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Other Construction Equipment	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Sheet Pile	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDA Passenger	-	18	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Repair Levee:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Repair Levee:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Repair Levee:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Repair Levee:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	22	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	22	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	LDA Passenger	-	12	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	140	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:	Rubber Tired Dozers	310	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Place Sheet Pile Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Other Construction Equipment	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	LDA Passenger	-	20	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheeppile Cutoff: Erect Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheeppile Cutoff: Erect Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheeppile Cutoff: Erect Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheeppile Cutoff: Erect Cells	Cranes	200	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Off-Highway Trucks	175	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	LDA Passenger	-	26	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Plant & Operations	LDA Passenger	-	6	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Invert Slab Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Placing Crews	Pumps	210	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Place Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	Excavators	384	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	Off-Highway Trucks	340	40	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	Rollers	315	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Embankment	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Sub-Ballast	LDA Passenger	-	8	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Sub-Ballast	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Sub-Ballast	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Sub-Ballast	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Shoofly Railroad: Sub-Ballast	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Dewatering: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Backfill:	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	LDA Passenger	-	18	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: Set Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: Set Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: Set Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Unknown Category: Set Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Graders	285	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	410	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Tractors/Loaders/Back hoes	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Off-Highway Trucks	500	24	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Excavation/Grading:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Place Gravel Bedding:	Rollers	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Off-Highway Trucks	405	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Tractors/Loaders/Back hoes	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Pumps	24	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Rollers	315	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures: Backfill:	Rubber Tired Dozers	410	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Erect Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cell Fill	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Remove Cells	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	350	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: PZ 32 Crew	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDA Passenger	-	14	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Install and Remove Sheetpile Cutoff: Set Walers	Welders	46	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDA Passenger	-	18	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet Exc/Dragline	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	LDT1 Light Duty	-	8	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Excavators	608	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Off-Highway Trucks	500	32	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Graders	285	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	T7 Heavy Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe	Rubber Tired Dozers	310	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	LDA Passenger	-	20	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	350	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	Cranes	200	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	Off-Highway Trucks	175	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Drive Foundation Piles:	Other Construction Equipment	500	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Place Gravel Bedding:	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Place Gravel Bedding:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Place Gravel Bedding:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Place Gravel Bedding:	Off-Highway Trucks	405	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Place Gravel Bedding:	Graders	215	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Finish	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SOG Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Treat CJ	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Treat CJ	Air Compressors	123	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Wall Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Cranes	335	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Air Compressors	560	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Welders	30	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Plant & Operations	Generator Sets	150	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDT2 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Plant & Operations	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Placing Crews	LDA Passenger	-	24	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Placing Crews	Pumps	210	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Finish	LDA Passenger	-	16	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Finish	Other Construction Equipment	18	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Point and Patch	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Cure & Cleanup	LDA Passenger	-	4	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Roof Concrete: Formwork	LDA Passenger	-	16	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Backfill:	LDA Passenger	-	10	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Backfill:	LDT1 Light Duty	-	8	Trucks
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Backfill:	Rubber Tired Loaders	164	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Backfill:	Off-Highway Trucks	500	16	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Backfill:	Graders	215	8	Offroad Equip
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SWPP:	LDA Passenger	-	6	Employees
Siphon	Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: SWPP:	LDT1 Light Duty	-	8	Trucks
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Invert work slab	LDA Passenger	-	36	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Tunnel & Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Tunnel & Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	Other Material Handling Equipment	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : TBM.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : TBM.	LDA Passenger	-	30	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Mine 37' Tunnel	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Equip Op Cost 24/7	Pumps	2.5	24	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Cranes	350	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Tunnel & Riser Rebar	LDA Passenger	-	34	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Tunnel & Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Tunnel & Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": TBM.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": TBM.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": TBM.	LDA Passenger	-	30	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Mine 37' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Mine 37' Tunnel	LDA Passenger	-	31	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Tunnel Mining Surface Support	Welders	30	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Equip Op Cost 24/7	Pumps	2.5	24	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Elbow Forms	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Tunnel : Muck Disposal	Tractors/Loaders/Back hoes	255	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Tunnel : Muck Disposal	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Tunnel : Muck Disposal	Graders	215	8	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Tunnel : Muck Disposal	Off-Highway Trucks	479	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Tunnel : Muck Disposal	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Mokelumne River Tunnel: Muck Disposal Tunnel : Muck Disposal	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Tunnel & Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Tunnel & Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "A" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : TBM.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : TBM.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : TBM.	LDA Passenger	-	30	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Mine 27' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Mine 27' Tunnel	LDA Passenger	-	30	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Equip Op Cost 24/7	Pumps	2.5	24	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	LDA Passenger	-	28	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place invert slab	LDA Passenger	-	36	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place Shaft Walls	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Tunnel & Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Tunnel & Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Launch Shaft "B" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : TBM.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : TBM.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : TBM.	LDA Passenger	-	30	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Mine 27' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Mine 27' Tunnel	LDA Passenger	-	30	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Equip Op Cost 24/7	Pumps	2.5	24	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	LDA Passenger	-	28	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Tunnel : Muck Disposal	Tractors/Loaders/Back hoes	255	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Tunnel : Muck Disposal	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Tunnel : Muck Disposal	Graders	215	8	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Tunnel : Muck Disposal	Off-Highway Trucks	479	16	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Tunnel : Muck Disposal	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: Old River Tunnel: Muck Disposal Tunnel : Muck Disposal	LDA Passenger	-	10	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Tunnel & Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Tunnel & Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place tunnel & Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Air Compressors	48	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Air Compressors	123	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Excavators	135	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Cranes	200	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation	LDA Passenger	-	48	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : TBM.	Cranes	335	0	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : TBM.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : TBM.	LDA Passenger	-	30	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Mine 27' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Mine 27' Tunnel	LDA Passenger	-	30	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Grout Leakage	LDA Passenger	-	8	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Equip Op Cost 24/7	Pumps	2.5	24	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Cranes	350	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	Skid Steer Loaders	128	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Excavate and Support Shaft	LDA Passenger	-	44	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Invert work slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Invert work slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Invert work slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Shaft Invert & Wall Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Shaft Invert & Wall Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place invert slab	Pumps	127	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Form Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Form Shaft Walls	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place Shaft Walls	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place Shaft Walls	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place Shaft Walls	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Shaft Tunnel Invert Pour	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Tunnel & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Tunnel & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Tunnel & Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Tunnel & Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place tunnel & Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : TBM.	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : TBM.	Welders	30	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : TBM.	LDA Passenger	-	30	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Mine 27' Tunnel	Locomotive Engine	150	15	Locomotive
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Mine 27' Tunnel	LDA Passenger	-	30	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	Welders	30	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Tunnel Mining Surface Support	LDA Passenger	-	24	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Locomotive Engine	150	20	Locomotive
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	LDA Passenger	-	74	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove TBM @ Launch Shaft	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove TBM @ Launch Shaft	LDA Passenger	-	10	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Grout Leakage	Locomotive Engine	150	10	Locomotive
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Grout Leakage	LDA Passenger	-	8	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Remove Rail, Utilities, TBM, Ventilation, and Clean Tun.	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Equip Op Cost 24/7	Pumps	2.5	24	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Excavate Retrieval Shafts	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Excavate Retrieval Shafts	LDA Passenger	-	12	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Invert prep	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Invert prep	Skid Steer Loaders	62	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Invert prep	LDA Passenger	-	26	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Invert Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Invert Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place invert slab	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place invert slab	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place invert slab	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Clean Shaft Invert	LDA Passenger	-	28	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Elbow Forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Elbow Forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Elbow & Riser Rebar	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Elbow & Riser Rebar	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place Elbow Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Set & Strip Riser forms	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Set & Strip Riser forms	LDA Passenger	-	34	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	Pumps	127	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	Cranes	335	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Place Riser Shaft Concrete	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rollers	10	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Cranes	335	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	Rubber Tired Loaders	270	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Retrieval Shaft "B" : Controlled Density Fill	LDA Passenger	-	36	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rollers	315	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rubber Tired Dozers	140	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	T7 Heavy Duty	-	16	Trucks
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	Rubber Tired Loaders	164	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials	LDA Passenger	-	10	Employees
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Tunnel : Muck Disposal	Tractors/Loaders/Back hoes	255	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Tunnel : Muck Disposal	Rubber Tired Dozers	285	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Tunnel : Muck Disposal	Graders	215	8	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Tunnel : Muck Disposal	Off-Highway Trucks	479	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Tunnel : Muck Disposal	Rubber Tired Loaders	164	16	Offroad Equip
Tunnel	Tunnel: San Joaquin River Tunnel: Muck Disposal Tunnel : Muck Disposal	LDA Passenger	-	10	Employees
Utilities	Utilities: Install Temporary Power: 12 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Utilities	Utilities: Install Temporary Power: 12 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	Other Construction Equipment	300	16	Offroad Equip
Utilities	Utilities: Install Temporary Power: 12 kV	LDA Passenger	-	28	Employees
Utilities	Utilities: Install Temporary Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Cranes	350	16	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	Other Construction Equipment	300	8	Offroad Equip
Utilities	Utilities: Install Temporary Power: 69 kV	LDA Passenger	-	33	Employees
Utilities	Utilities: Install Permanent Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Cranes	350	16	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Cranes	350	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	Off-Highway Trucks	479	8	Offroad Equip

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Utilities	Utilities: Install Permanent Power: 69 kV	Other Construction Equipment	300	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 69 kV	LDA Passenger	-	33	Employees
Utilities	Utilities: Install Permanent Power: 230 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Tractors/Loaders/Back hoes	48	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Rubber Tired Dozers	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Cranes	340	16	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	189	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	285	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Cranes	340	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Off-Highway Trucks	479	8	Offroad Equip
Utilities	Utilities: Install Permanent Power: 230 kV	Helicopter	420	8	Helicopter
Utilities	Utilities: Install Permanent Power: 230 kV	LDA Passenger	-	32	Employees
Head of Old River Barrier *	Phase 1	Cranes	208	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Excavators	157	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Graders	162	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Other Construction Equipment	327	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Rollers	84	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Rubber Tired Dozers	358	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Rubber Tired Loaders	87	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Scrapers	356	8	Offroad Equip
Head of Old River Barrier *	Phase 1	Tractors/Loaders/Back hoes	75	8	Offroad Equip
Head of Old River Barrier *	Phase 1	LDA Passenger	-	30	Employees

Phase	Phase Directory	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Head of Old River Barrier *	Phase 1	T7 Heavy Duty	-	21	Trucks
Head of Old River Barrier *	Phase 2	Cranes	208	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Graders	162	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Other Construction Equipment	327	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Rollers	84	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Rubber Tired Loaders	87	8	Offroad Equip
Head of Old River Barrier *	Phase 2	Scrapers	356	8	Offroad Equip
Head of Old River Barrier *	Phase 2	LDA Passenger	-	30	Employees
Head of Old River Barrier *	Phase 2	T7 Heavy Duty	-	11	Trucks
Head of Old River Barrier *	Phase 3	Cranes	208	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Excavators	157	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Graders	162	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Other Construction Equipment	327	8	Offroad Equip
Head of Old River Barrier *	Phase 3	Rubber Tired Loaders	87	8	Offroad Equip
Head of Old River Barrier *	Phase 3	LDA Passenger	-	40	Employees
Head of Old River Barrier *	Phase 3	T7 Heavy Duty	-	52	Trucks

\* Barrier only included for Alternative 2B

1 **Table 22B-8. Summary of Construction Off-Road Equipment, On-Road Vehicles, Marine Vessels, and Helicopters for Construction of the Water**  
 2 **Conveyance Facilities Associated with Alternative 9 (Through Delta/Separate Corridors Alignment)**

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
DCC Fish Screen Intake Facility	Cranes	335	105	Offroad
DCC Fish Screen Intake Facility	Cranes	235	380	Offroad
DCC Fish Screen Intake Facility	Excavators	530	1	Offroad
DCC Fish Screen Intake Facility	Excavators	345	2	Offroad
DCC Fish Screen Intake Facility	Rubber Tired Loaders	164	13	Offroad
DCC Fish Screen Intake Facility	Rubber Tired Loaders	164	15	Offroad
DCC Fish Screen Intake Facility	Skid Steer Loaders	37	1	Offroad
DCC Fish Screen Intake Facility	Rubber Tired Dozers	285	1	Offroad
DCC Fish Screen Intake Facility	Rubber Tired Dozers	140	0	Offroad
DCC Fish Screen Intake Facility	Rubber Tired Dozers	48	1	Offroad
DCC Fish Screen Intake Facility	Plate Compactors	360	0	Offroad
DCC Fish Screen Intake Facility	Graders	215	1	Offroad
DCC Fish Screen Intake Facility	Welders	46	0	Offroad
DCC Fish Screen Intake Facility	T7 Heavy Duty	-	32	Trucks
DCC Fish Screen Intake Facility	T7 Heavy Duty	-	4	Trucks
DCC Fish Screen Intake Facility	Off-Highway Trucks	189	114	Offroad
DCC Fish Screen Intake Facility	Off-Highway Trucks	189	2	Offroad
DCC Fish Screen Intake Facility	LDT1 Light Duty	-	429	Trucks
DCC Fish Screen Intake Facility	LDA Passenger	-	163	Employees
Georgiana Slough Fish Screen Intake Facility	Cranes	335	105	Offroad
Georgiana Slough Fish Screen Intake Facility	Cranes	235	383	Offroad
Georgiana Slough Fish Screen Intake Facility	Excavators	530	2	Offroad
Georgiana Slough Fish Screen Intake Facility	Excavators	345	1	Offroad
Georgiana Slough Fish Screen Intake Facility	Rubber Tired Loaders	164	12	Offroad
Georgiana Slough Fish Screen Intake Facility	Rubber Tired Loaders	164	15	Offroad
Georgiana Slough Fish Screen Intake Facility	Other Construction Equipment	20	0	Offroad
Georgiana Slough Fish Screen Intake Facility	Skid Steer Loaders	37	0	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Georgiana Slough Fish Screen Intake Facility	Scrapers	313	0	Offroad
Georgiana Slough Fish Screen Intake Facility	Scrapers	365	1	Offroad
Georgiana Slough Fish Screen Intake Facility	Rubber Tired Dozers	285	2	Offroad
Georgiana Slough Fish Screen Intake Facility	Rubber Tired Dozers	140	0	Offroad
Georgiana Slough Fish Screen Intake Facility	Rubber Tired Dozers	48	0	Offroad
Georgiana Slough Fish Screen Intake Facility	Plate Compactors	300	2	Offroad
Georgiana Slough Fish Screen Intake Facility	Plate Compactors	360	1	Offroad
Georgiana Slough Fish Screen Intake Facility	Graders	250	0	Offroad
Georgiana Slough Fish Screen Intake Facility	Graders	215	2	Offroad
Georgiana Slough Fish Screen Intake Facility	Roller	84	1	Offroad
Georgiana Slough Fish Screen Intake Facility	Welders	46	0	Offroad
Georgiana Slough Fish Screen Intake Facility	LDA Passenger	-	165	Employees
Georgiana Slough Fish Screen Intake Facility	T7 Heavy Duty	-	122	Trucks
Georgiana Slough Fish Screen Intake Facility	T7 Heavy Duty	-	0	Trucks
Georgiana Slough Fish Screen Intake Facility	Off-Highway Trucks	189	115	Offroad
Georgiana Slough Fish Screen Intake Facility	Off-Highway Trucks	189	4	Offroad
Georgiana Slough Fish Screen Intake Facility	LDT1 Light Duty	-	431	Trucks
San Joaquin at Old River Pumping Plant	Cranes	335	52	Offroad
San Joaquin at Old River Pumping Plant	Cranes	235	203	Offroad
San Joaquin at Old River Pumping Plant	Excavators	530	1	Offroad
San Joaquin at Old River Pumping Plant	Excavators	345	0	Offroad
San Joaquin at Old River Pumping Plant	Rubber Tired Loaders	164	5	Offroad
San Joaquin at Old River Pumping Plant	Rubber Tired Loaders	164	2	Offroad
San Joaquin at Old River Pumping Plant	Skid Steer Loaders	37	1	Offroad
San Joaquin at Old River Pumping Plant	Scrapers	313	0	Offroad
San Joaquin at Old River Pumping Plant	Scrapers	365	1	Offroad
San Joaquin at Old River Pumping Plant	Rubber Tired Dozers	285	4	Offroad
San Joaquin at Old River Pumping Plant	Rubber Tired Dozers	140	1	Offroad
San Joaquin at Old River Pumping Plant	Plate Compactors	300	2	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
San Joaquin at Old River Pumping Plant	Plate Compactors	360	3	Offroad
San Joaquin at Old River Pumping Plant	Graders	250	1	Offroad
San Joaquin at Old River Pumping Plant	Graders	215	4	Offroad
San Joaquin at Old River Pumping Plant	Roller	84	3	Offroad
San Joaquin at Old River Pumping Plant	Welders	46	3	Offroad
San Joaquin at Old River Pumping Plant	LDA Passenger	-	91	Employees
San Joaquin at Old River Pumping Plant	T7 Heavy Duty	-	10	Trucks
San Joaquin at Old River Pumping Plant	T7 Heavy Duty	-	34	Trucks
San Joaquin at Old River Pumping Plant	Off-Highway Trucks	189	49	Offroad
San Joaquin at Old River Pumping Plant	Off-Highway Trucks	189	9	Offroad
San Joaquin at Old River Pumping Plant	LDT1 Light Duty	-	223	Trucks
Middle River Diversion Pumping Plant	Cranes	335	52	Offroad
Middle River Diversion Pumping Plant	Cranes	235	203	Offroad
Middle River Diversion Pumping Plant	Excavators	530	1	Offroad
Middle River Diversion Pumping Plant	Excavators	345	0	Offroad
Middle River Diversion Pumping Plant	Rubber Tired Loaders	164	5	Offroad
Middle River Diversion Pumping Plant	Rubber Tired Loaders	164	2	Offroad
Middle River Diversion Pumping Plant	Skid Steer Loaders	37	1	Offroad
Middle River Diversion Pumping Plant	Scrapers	313	0	Offroad
Middle River Diversion Pumping Plant	Scrapers	365	0	Offroad
Middle River Diversion Pumping Plant	Rubber Tired Dozers	285	4	Offroad
Middle River Diversion Pumping Plant	Rubber Tired Dozers	140	1	Offroad
Middle River Diversion Pumping Plant	Plate Compactors	300	1	Offroad
Middle River Diversion Pumping Plant	Plate Compactors	360	3	Offroad
Middle River Diversion Pumping Plant	Graders	250	0	Offroad
Middle River Diversion Pumping Plant	Graders	215	4	Offroad
Middle River Diversion Pumping Plant	Roller	84	1	Offroad
Middle River Diversion Pumping Plant	Welders	46	3	Offroad
Middle River Diversion Pumping Plant	LDA Passenger	-	89	Employees

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Middle River Diversion Pumping Plant	T7 Heavy Duty	-	6	Trucks
Middle River Diversion Pumping Plant	T7 Heavy Duty	-	34	Trucks
Middle River Diversion Pumping Plant	Off-Highway Trucks	189	49	Offroad
Middle River Diversion Pumping Plant	Off-Highway Trucks	189	8	Offroad
Middle River Diversion Pumping Plant	LDT1 Light Duty	-	221	Trucks
Old River Siphon	Cranes	335	78	Offroad
Old River Siphon	Cranes	235	294	Offroad
Old River Siphon	Excavators	530	6	Offroad
Old River Siphon	Excavators	345	3	Offroad
Old River Siphon	Rubber Tired Loaders	164	9	Offroad
Old River Siphon	Rubber Tired Loaders	164	4	Offroad
Old River Siphon	Skid Steer Loaders	37	0	Offroad
Old River Siphon	Scrapers	313	2	Offroad
Old River Siphon	Rubber Tired Dozers	285	12	Offroad
Old River Siphon	Plate Compactors	300	3	Offroad
Old River Siphon	Plate Compactors	360	6	Offroad
Old River Siphon	Graders	215	12	Offroad
Old River Siphon	Welders	46	0	Offroad
Old River Siphon	LDA Passenger	-	136	Employees
Old River Siphon	T7 Heavy Duty	-	101	Trucks
Old River Siphon	T7 Heavy Duty	-	30	Trucks
Old River Siphon	Off-Highway Trucks	189	40	Offroad
Old River Siphon	Off-Highway Trucks	189	20	Offroad
Old River Siphon	LDT1 Light Duty	-	339	Trucks
West Canal Siphon	Cranes	335	57	Offroad
West Canal Siphon	Cranes	235	211	Offroad
West Canal Siphon	Excavators	530	5	Offroad
West Canal Siphon	Excavators	345	3	Offroad
West Canal Siphon	Rubber Tired Loaders	164	9	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
West Canal Siphon	Rubber Tired Loaders	164	2	Offroad
West Canal Siphon	Skid Steer Loaders	37	0	Offroad
West Canal Siphon	Scrapers	313	2	Offroad
West Canal Siphon	Rubber Tired Dozers	285	11	Offroad
West Canal Siphon	Plate Compactors	300	3	Offroad
West Canal Siphon	Plate Compactors	360	6	Offroad
West Canal Siphon	Graders	215	11	Offroad
West Canal Siphon	LDA Passenger	-	102	Employees
West Canal Siphon	T7 Heavy Duty	-	93	Trucks
West Canal Siphon	T7 Heavy Duty	-	31	Trucks
West Canal Siphon	Off-Highway Trucks	189	29	Offroad
West Canal Siphon	Off-Highway Trucks	189	20	Offroad
West Canal Siphon	LDT1 Light Duty	-	247	Trucks
Coney Island Canal	Excavators	530	22	Offroad
Coney Island Canal	Rubber Tired Loaders	164	0	Offroad
Coney Island Canal	Skid Steer Loaders	37	0	Offroad
Coney Island Canal	Scrapers	313	1	Offroad
Coney Island Canal	Scrapers	365	8	Offroad
Coney Island Canal	Rubber Tired Dozers	285	17	Offroad
Coney Island Canal	Rubber Tired Dozers	48	6	Offroad
Coney Island Canal	Plate Compactors	300	12	Offroad
Coney Island Canal	Plate Compactors	360	7	Offroad
Coney Island Canal	Graders	250	5	Offroad
Coney Island Canal	Graders	215	17	Offroad
Coney Island Canal	Roller	84	10	Offroad
Coney Island Canal	LDA Passenger	-	35	Employees
Coney Island Canal	T7 Heavy Duty	-	798	Trucks
Coney Island Canal	T7 Heavy Duty	-	0	Trucks
Coney Island Canal	Off-Highway Trucks	189	17	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Coney Island Canal	Off-Highway Trucks	189	39	Offroad
Coney Island Canal	LDT1 Light Duty	-	50	Trucks
Flood Gate at SJR at Old River	Cranes	335	12	Offroad
Flood Gate at SJR at Old River	Cranes	235	37	Offroad
Flood Gate at SJR at Old River	Excavators	530	0	Offroad
Flood Gate at SJR at Old River	Excavators	345	0	Offroad
Flood Gate at SJR at Old River	Rubber Tired Loaders	164	3	Offroad
Flood Gate at SJR at Old River	Rubber Tired Loaders	164	0	Offroad
Flood Gate at SJR at Old River	Other Construction Equipment	20	0	Offroad
Flood Gate at SJR at Old River	Skid Steer Loaders	37	0	Offroad
Flood Gate at SJR at Old River	Scrapers	313	0	Offroad
Flood Gate at SJR at Old River	Scrapers	365	1	Offroad
Flood Gate at SJR at Old River	Rubber Tired Dozers	285	0	Offroad
Flood Gate at SJR at Old River	Plate Compactors	300	1	Offroad
Flood Gate at SJR at Old River	Plate Compactors	360	0	Offroad
Flood Gate at SJR at Old River	Graders	250	1	Offroad
Flood Gate at SJR at Old River	Graders	215	0	Offroad
Flood Gate at SJR at Old River	Roller	84	2	Offroad
Flood Gate at SJR at Old River	Welders	46	0	Offroad
Flood Gate at SJR at Old River	category 1 work boats	400	16	Marine
Flood Gate at SJR at Old River	T7 Heavy Duty	-	19	Trucks
Flood Gate at SJR at Old River	T7 Heavy Duty	-	0	Trucks
Flood Gate at SJR at Old River	Off-Highway Trucks	189	10	Offroad
Flood Gate at SJR at Old River	Off-Highway Trucks	189	2	Offroad
Flood Gate at SJR at Old River	LDT1 Light Duty	-	43	Trucks
Flood Gate at SJR at Old River	LDA Passenger	-	19	Employees
Tidal Gate at Middle River	Cranes	335	16	Offroad
Tidal Gate at Middle River	Cranes	235	38	Offroad
Tidal Gate at Middle River	Excavators	530	0	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tidal Gate at Middle River	Excavators	345	0	Offroad
Tidal Gate at Middle River	Rubber Tired Loaders	164	3	Offroad
Tidal Gate at Middle River	Rubber Tired Loaders	164	0	Offroad
Tidal Gate at Middle River	Other Construction Equipment	20	0	Offroad
Tidal Gate at Middle River	Skid Steer Loaders	37	0	Offroad
Tidal Gate at Middle River	Scrapers	313	0	Offroad
Tidal Gate at Middle River	Scrapers	365	1	Offroad
Tidal Gate at Middle River	Rubber Tired Dozers	285	0	Offroad
Tidal Gate at Middle River	Plate Compactors	300	1	Offroad
Tidal Gate at Middle River	Plate Compactors	360	0	Offroad
Tidal Gate at Middle River	Graders	250	1	Offroad
Tidal Gate at Middle River	Graders	215	0	Offroad
Tidal Gate at Middle River	Roller	84	2	Offroad
Tidal Gate at Middle River	T7 Heavy Duty	-	19	Trucks
Tidal Gate at Middle River	T7 Heavy Duty	-	0	Trucks
Tidal Gate at Middle River	Off-Highway Trucks	189	10	Offroad
Tidal Gate at Middle River	Off-Highway Trucks	189	2	Offroad
Tidal Gate at Middle River	LDT1 Light Duty	-	43	Trucks
Tidal Gate at Middle River	LDA Passenger	-	19	Employees
Flood Gate at Sacramento River at Meadows Slough	Cranes	335	27	Offroad
Flood Gate at Sacramento River at Meadows Slough	Cranes	235	85	Offroad
Flood Gate at Sacramento River at Meadows Slough	Excavators	530	3	Offroad
Flood Gate at Sacramento River at Meadows Slough	Excavators	345	0	Offroad
Flood Gate at Sacramento River at Meadows Slough	Rubber Tired Loaders	164	7	Offroad
Flood Gate at Sacramento River at Meadows Slough	Rubber Tired Loaders	164	0	Offroad
Flood Gate at Sacramento River at Meadows Slough	Other Construction Equipment	20	0	Offroad
Flood Gate at Sacramento River at Meadows Slough	Skid Steer Loaders	37	1	Offroad
Flood Gate at Sacramento River at Meadows Slough	Scrapers	313	0	Offroad
Flood Gate at Sacramento River at Meadows Slough	Scrapers	365	2	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Flood Gate at Sacramento River at Meadows Slough	Rubber Tired Dozers	285	3	Offroad
Flood Gate at Sacramento River at Meadows Slough	Rubber Tired Dozers	140	0	Offroad
Flood Gate at Sacramento River at Meadows Slough	Plate Compactors	300	3	Offroad
Flood Gate at Sacramento River at Meadows Slough	Plate Compactors	360	1	Offroad
Flood Gate at Sacramento River at Meadows Slough	Graders	250	2	Offroad
Flood Gate at Sacramento River at Meadows Slough	Graders	215	3	Offroad
Flood Gate at Sacramento River at Meadows Slough	Roller	84	5	Offroad
Flood Gate at Sacramento River at Meadows Slough	category 1 work boats	400	16	Marine
Flood Gate at Sacramento River at Meadows Slough	T7 Heavy Duty	-	115	Trucks
Flood Gate at Sacramento River at Meadows Slough	T7 Heavy Duty	-	2	Trucks
Flood Gate at Sacramento River at Meadows Slough	Off-Highway Trucks	189	13	Offroad
Flood Gate at Sacramento River at Meadows Slough	Off-Highway Trucks	189	10	Offroad
Flood Gate at Sacramento River at Meadows Slough	LDT1 Light Duty	-	102	Trucks
Flood Gate at Sacramento River at Meadows Slough	LDA Passenger	-	45	Employees
Tidal Gate w/Boat Lock at Snodgrass Slough	Cranes	335	13	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Cranes	235	36	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Excavators	530	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Excavators	345	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Rubber Tired Loaders	164	4	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Rubber Tired Loaders	164	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Other Construction Equipment	20	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Skid Steer Loaders	37	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Scrapers	313	1	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Scrapers	365	4	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Rubber Tired Dozers	285	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Plate Compactors	300	4	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Plate Compactors	360	0	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Graders	250	4	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Graders	215	0	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Tidal Gate w/Boat Lock at Snodgrass Slough	Roller	84	8	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	T7 Heavy Duty	-	25	Trucks
Tidal Gate w/Boat Lock at Snodgrass Slough	T7 Heavy Duty	-	0	Trucks
Tidal Gate w/Boat Lock at Snodgrass Slough	Off-Highway Trucks	189	9	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	Off-Highway Trucks	189	5	Offroad
Tidal Gate w/Boat Lock at Snodgrass Slough	LDT1 Light Duty	-	48	Trucks
Tidal Gate w/Boat Lock at Snodgrass Slough	LDA Passenger	-	23	Employees
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Cranes	335	6	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Cranes	235	15	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Excavators	530	0	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Excavators	345	0	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Rubber Tired Loaders	164	3	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Rubber Tired Loaders	164	0	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Other Construction Equipment	20	0	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Skid Steer Loaders	37	0	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Scrapers	313	0	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Scrapers	365	3	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Rubber Tired Dozers	285	2	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Plate Compactors	300	3	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Plate Compactors	360	2	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Graders	250	3	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Graders	215	2	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Roller	84	8	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	T7 Heavy Duty	-	58	Trucks
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	T7 Heavy Duty	-	0	Trucks
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Off-Highway Trucks	189	5	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	Off-Highway Trucks	189	7	Offroad
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	LDT1 Light Duty	-	27	Trucks
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	LDA Passenger	-	15	Employees

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Frank's Tract (Type III Barrier w/Boat Lock)	Cranes	335	3	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Cranes	235	7	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Excavators	530	2	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Excavators	345	0	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	2	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	1	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Other Construction Equipment	20	1	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Skid Steer Loaders	37	1	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Rubber Tired Dozers	285	0	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Plate Compactors	300	0	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Plate Compactors	360	0	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Graders	215	0	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	category 1 work boats	400	16	Marine
Frank's Tract (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	40	Trucks
Frank's Tract (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	0	Trucks
Frank's Tract (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	1	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	2	Offroad
Frank's Tract (Type III Barrier w/Boat Lock)	LDT1 Light Duty	-	10	Trucks
Frank's Tract (Type III Barrier w/Boat Lock)	LDA Passenger	-	5	Employees
Three Mile Slough (Type III Barrier)	Cranes	335	42	Offroad
Three Mile Slough (Type III Barrier)	Cranes	235	133	Offroad
Three Mile Slough (Type III Barrier)	Excavators	530	3	Offroad
Three Mile Slough (Type III Barrier)	Excavators	345	0	Offroad
Three Mile Slough (Type III Barrier)	Rubber Tired Loaders	164	10	Offroad
Three Mile Slough (Type III Barrier)	Rubber Tired Loaders	164	1	Offroad
Three Mile Slough (Type III Barrier)	Other Construction Equipment	20	1	Offroad
Three Mile Slough (Type III Barrier)	Skid Steer Loaders	37	1	Offroad
Three Mile Slough (Type III Barrier)	Scrapers	313	0	Offroad
Three Mile Slough (Type III Barrier)	Scrapers	365	1	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Three Mile Slough (Type III Barrier)	Rubber Tired Dozers	285	1	Offroad
Three Mile Slough (Type III Barrier)	Rubber Tired Dozers	140	0	Offroad
Three Mile Slough (Type III Barrier)	Plate Compactors	300	2	Offroad
Three Mile Slough (Type III Barrier)	Plate Compactors	360	0	Offroad
Three Mile Slough (Type III Barrier)	Graders	250	1	Offroad
Three Mile Slough (Type III Barrier)	Graders	215	1	Offroad
Three Mile Slough (Type III Barrier)	Roller	84	3	Offroad
Three Mile Slough (Type III Barrier)	category 1 work boats	400	16	Marine
Three Mile Slough (Type III Barrier)	T7 Heavy Duty	-	55	Trucks
Three Mile Slough (Type III Barrier)	Off-Highway Trucks	189	3	Offroad
Three Mile Slough (Type III Barrier)	Off-Highway Trucks	189	18	Offroad
Three Mile Slough (Type III Barrier)	LDT1 Light Duty	-	6	Trucks
Three Mile Slough (Type III Barrier)	LDA Passenger	-	63	Employees
Fisherman's Cut (Type III Barrier w/Boat Lock)	Cranes	335	4	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Cranes	235	8	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Excavators	530	1	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Excavators	345	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	2	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Other Construction Equipment	20	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Skid Steer Loaders	37	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Rubber Tired Dozers	285	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Plate Compactors	300	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Plate Compactors	360	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Graders	250	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Graders	215	0	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	category 1 work boats	400	16	Marine
Fisherman's Cut (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	21	Trucks
Fisherman's Cut (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	0	Trucks

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Fisherman's Cut (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	2	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	1	Offroad
Fisherman's Cut (Type III Barrier w/Boat Lock)	LDT1 Light Duty	-	11	Trucks
Fisherman's Cut (Type III Barrier w/Boat Lock)	LDA Passenger	-	5	Employees
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Cranes	335	6	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Cranes	235	14	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Excavators	530	1	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Excavators	345	0	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	4	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	1	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Other Construction Equipment	20	1	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Skid Steer Loaders	37	1	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Rubber Tired Dozers	285	0	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Plate Compactors	300	0	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Plate Compactors	360	0	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Graders	215	0	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	category 1 work boats	400	16	Marine
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	32	Trucks
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	0	Trucks
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	3	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	2	Offroad
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	LDT1 Light Duty	-	18	Trucks
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	LDA Passenger	-	9	Employees
Connection Slough (Type III Barrier w/Boat Lock)	Cranes	335	6	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Cranes	235	14	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Excavators	530	2	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Excavators	345	0	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	4	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	1	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Connection Slough (Type III Barrier w/Boat Lock)	Other Construction Equipment	20	1	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Skid Steer Loaders	37	1	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Rubber Tired Dozers	285	0	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Plate Compactors	300	0	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Plate Compactors	360	0	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Graders	215	0	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	category 1 work boats	400	16	Marine
Connection Slough (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	49	Trucks
Connection Slough (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	0	Trucks
Connection Slough (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	3	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	3	Offroad
Connection Slough (Type III Barrier w/Boat Lock)	LDT1 Light Duty	-	19	Trucks
Connection Slough (Type III Barrier w/Boat Lock)	LDA Passenger	-	9	Employees
Railroad Cut (Type III Barrier w/Boat Lock)	Cranes	335	6	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Cranes	235	14	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Excavators	530	1	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Excavators	345	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	3	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Other Construction Equipment	20	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Skid Steer Loaders	37	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Rubber Tired Dozers	285	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Plate Compactors	360	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Graders	215	0	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	category 1 work boats	400	16	Marine
Railroad Cut (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	11	Trucks
Railroad Cut (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	0	Trucks
Railroad Cut (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	3	Offroad
Railroad Cut (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	1	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Railroad Cut (Type III Barrier w/Boat Lock)	LDT1 Light Duty	-	17	Trucks
Railroad Cut (Type III Barrier w/Boat Lock)	LDA Passenger	-	8	Employees
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Cranes	335	6	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Cranes	235	14	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Excavators	530	1	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Excavators	345	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	3	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Rubber Tired Loaders	164	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Other Construction Equipment	20	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Skid Steer Loaders	37	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Rubber Tired Dozers	285	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Plate Compactors	360	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Graders	215	0	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	category 1 work boats	400	16	Marine
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	11	Trucks
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	T7 Heavy Duty	-	0	Trucks
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	3	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	Off-Highway Trucks	189	1	Offroad
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	LDT1 Light Duty	-	17	Trucks
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	LDA Passenger	-	8	Employees
Intertie Channel from CCF to DMC Approach	Cranes	335	11	Offroad
Intertie Channel from CCF to DMC Approach	Excavators	530	39	Offroad
Intertie Channel from CCF to DMC Approach	Rubber Tired Loaders	164	11	Offroad
Intertie Channel from CCF to DMC Approach	Skid Steer Loaders	37	0	Offroad
Intertie Channel from CCF to DMC Approach	Scrapers	313	1	Offroad
Intertie Channel from CCF to DMC Approach	Scrapers	365	12	Offroad
Intertie Channel from CCF to DMC Approach	Rubber Tired Dozers	285	29	Offroad
Intertie Channel from CCF to DMC Approach	Rubber Tired Dozers	48	10	Offroad
Intertie Channel from CCF to DMC Approach	Plate Compactors	300	18	Offroad
Intertie Channel from CCF to DMC Approach	Plate Compactors	360	12	Offroad
Intertie Channel from CCF to DMC Approach	Graders	250	7	Offroad
Intertie Channel from CCF to DMC Approach	Graders	215	29	Offroad
Intertie Channel from CCF to DMC Approach	Roller	84	13	Offroad
Intertie Channel from CCF to DMC Approach	T7 Heavy Duty	-	1,378	Trucks
Intertie Channel from CCF to DMC Approach	T7 Heavy Duty	-	0	Trucks
Intertie Channel from CCF to DMC Approach	Off-Highway Trucks	189	29	Offroad
Intertie Channel from CCF to DMC Approach	Off-Highway Trucks	189	65	Offroad
Intertie Channel from CCF to DMC Approach	LDT1 Light Duty	-	94	Trucks
Intertie Channel from CCF to DMC Approach	LDA Passenger	-	64	Employees
Control Gate in DMC Approach	Cranes	335	14	Offroad
Control Gate in DMC Approach	Cranes	235	35	Offroad
Control Gate in DMC Approach	Excavators	530	4	Offroad
Control Gate in DMC Approach	Excavators	345	7	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Control Gate in DMC Approach	Rubber Tired Loaders	164	8	Offroad
Control Gate in DMC Approach	Skid Steer Loaders	37	7	Offroad
Control Gate in DMC Approach	Rubber Tired Dozers	285	6	Offroad
Control Gate in DMC Approach	Rubber Tired Dozers	140	3	Offroad
Control Gate in DMC Approach	Rubber Tired Dozers	48	7	Offroad
Control Gate in DMC Approach	Plate Compactors	360	2	Offroad
Control Gate in DMC Approach	Graders	215	6	Offroad
Control Gate in DMC Approach	Welders	46	0	Offroad
Control Gate in DMC Approach	T7 Heavy Duty	-	2	Trucks
Control Gate in DMC Approach	T7 Heavy Duty	-	15	Trucks
Control Gate in DMC Approach	Off-Highway Trucks	189	3	Offroad
Control Gate in DMC Approach	Off-Highway Trucks	189	5	Offroad
Control Gate in DMC Approach	LDT1 Light Duty	-	42	Trucks
Control Gate in DMC Approach	LDA Passenger	-	33	Employees
Victoria Canal Dredging	Excavators	530	1	Offroad
Victoria Canal Dredging	Rubber Tired Loaders	164	1	Offroad
Victoria Canal Dredging	Rubber Tired Loaders	164	45	Offroad
Victoria Canal Dredging	Other Construction Equipment	20	45	Offroad
Victoria Canal Dredging	Skid Steer Loaders	37	45	Offroad
Victoria Canal Dredging	Rubber Tired Dozers	285	1	Offroad
Victoria Canal Dredging	Plate Compactors	360	1	Offroad
Victoria Canal Dredging	Graders	215	1	Offroad
Victoria Canal Dredging	category 1 work boats	400	86	Marine
Victoria Canal Dredging	T7 Heavy Duty	-	0	Trucks
Victoria Canal Dredging	T7 Heavy Duty	-	5	Trucks
Victoria Canal Dredging	Off-Highway Trucks	189	0	Offroad
Victoria Canal Dredging	Off-Highway Trucks	189	93	Offroad
Victoria Canal Dredging	LDT1 Light Duty	-	3	Trucks
Victoria Canal Dredging	LDA Passenger	-	44	Employees

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Middle River Dredging	Excavators	530	1	Offroad
Middle River Dredging	Rubber Tired Loaders	164	1	Offroad
Middle River Dredging	Rubber Tired Loaders	164	47	Offroad
Middle River Dredging	Other Construction Equipment	20	47	Offroad
Middle River Dredging	Skid Steer Loaders	37	47	Offroad
Middle River Dredging	Rubber Tired Dozers	285	1	Offroad
Middle River Dredging	Plate Compactors	360	1	Offroad
Middle River Dredging	Graders	215	1	Offroad
Middle River Dredging	category 1 work boats	400	86	Marine
Middle River Dredging	T7 Heavy Duty	-	0	Trucks
Middle River Dredging	T7 Heavy Duty	-	5	Trucks
Middle River Dredging	Off-Highway Trucks	189	0	Offroad
Middle River Dredging	Off-Highway Trucks	189	96	Offroad
Middle River Dredging	LDT1 Light Duty	-	3	Trucks
Middle River Dredging	LDA Passenger	-	45	Employees
Re-Channeling for River's End Marina Diversion	Cranes	335	37	Offroad
Re-Channeling for River's End Marina Diversion	Excavators	530	36	Offroad
Re-Channeling for River's End Marina Diversion	Rubber Tired Loaders	164	37	Offroad
Re-Channeling for River's End Marina Diversion	Skid Steer Loaders	37	0	Offroad
Re-Channeling for River's End Marina Diversion	Scrapers	313	0	Offroad
Re-Channeling for River's End Marina Diversion	Scrapers	365	4	Offroad
Re-Channeling for River's End Marina Diversion	Rubber Tired Dozers	285	33	Offroad
Re-Channeling for River's End Marina Diversion	Rubber Tired Dozers	48	4	Offroad
Re-Channeling for River's End Marina Diversion	Plate Compactors	300	19	Offroad
Re-Channeling for River's End Marina Diversion	Plate Compactors	360	17	Offroad
Re-Channeling for River's End Marina Diversion	Graders	250	2	Offroad
Re-Channeling for River's End Marina Diversion	Graders	215	33	Offroad
Re-Channeling for River's End Marina Diversion	Roller	84	5	Offroad
Re-Channeling for River's End Marina Diversion	category 1 work boats	400	16	Marine

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Re-Channeling for River's End Marina Diversion	T7 Heavy Duty	-	1,536	Trucks
Re-Channeling for River's End Marina Diversion	T7 Heavy Duty	-	3	Trucks
Re-Channeling for River's End Marina Diversion	Off-Highway Trucks	189	10	Offroad
Re-Channeling for River's End Marina Diversion	Off-Highway Trucks	189	69	Offroad
Re-Channeling for River's End Marina Diversion	LDT1 Light Duty	-	112	Trucks
Re-Channeling for River's End Marina Diversion	LDA Passenger	-	77	Employees
Levee for Victoria Canal Enlargement	Cranes	335	2	Offroad
Levee for Victoria Canal Enlargement	Excavators	530	7	Offroad
Levee for Victoria Canal Enlargement	Rubber Tired Loaders	164	2	Offroad
Levee for Victoria Canal Enlargement	Skid Steer Loaders	37	0	Offroad
Levee for Victoria Canal Enlargement	Scrapers	313	0	Offroad
Levee for Victoria Canal Enlargement	Scrapers	365	2	Offroad
Levee for Victoria Canal Enlargement	Rubber Tired Dozers	285	5	Offroad
Levee for Victoria Canal Enlargement	Rubber Tired Dozers	48	2	Offroad
Levee for Victoria Canal Enlargement	Plate Compactors	300	3	Offroad
Levee for Victoria Canal Enlargement	Plate Compactors	360	2	Offroad
Levee for Victoria Canal Enlargement	Graders	250	1	Offroad
Levee for Victoria Canal Enlargement	Graders	215	5	Offroad
Levee for Victoria Canal Enlargement	Roller	84	3	Offroad
Levee for Victoria Canal Enlargement	T7 Heavy Duty	-	258	Trucks
Levee for Victoria Canal Enlargement	T7 Heavy Duty	-	0	Trucks
Levee for Victoria Canal Enlargement	Off-Highway Trucks	189	5	Offroad
Levee for Victoria Canal Enlargement	Off-Highway Trucks	189	12	Offroad
Levee for Victoria Canal Enlargement	LDT1 Light Duty	-	18	Trucks
Levee for Victoria Canal Enlargement	LDA Passenger	-	12	Employees
Intertie Channel at CCF Perimeter Road Bridge	Rubber Tired Loaders	164	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Scrapers	365	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Rubber Tired Dozers	285	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Plate Compactors	300	0	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Intertie Channel at CCF Perimeter Road Bridge	Plate Compactors	360	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Graders	250	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Graders	215	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Roller	84	1	Offroad
Intertie Channel at CCF Perimeter Road Bridge	T7 Heavy Duty	-	2	Trucks
Intertie Channel at CCF Perimeter Road Bridge	T7 Heavy Duty	-	0	Trucks
Intertie Channel at CCF Perimeter Road Bridge	Off-Highway Trucks	189	2	Offroad
Intertie Channel at CCF Perimeter Road Bridge	Off-Highway Trucks	189	0	Offroad
Intertie Channel at CCF Perimeter Road Bridge	LDT1 Light Duty	-	1	Trucks
Intertie Channel at CCF Perimeter Road Bridge	LDA Passenger	-	1	Employees
Intertie Channel at Herdlyn Road Bridge	Rubber Tired Loaders	164	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Scrapers	365	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Rubber Tired Dozers	285	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Plate Compactors	300	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Plate Compactors	360	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Graders	250	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Graders	215	0	Offroad
Intertie Channel at Herdlyn Road Bridge	Roller	84	1	Offroad
Intertie Channel at Herdlyn Road Bridge	T7 Heavy Duty	-	2	Trucks
Intertie Channel at Herdlyn Road Bridge	T7 Heavy Duty	-	0	Trucks
Intertie Channel at Herdlyn Road Bridge	Off-Highway Trucks	189	2	Offroad
Intertie Channel at Herdlyn Road Bridge	Off-Highway Trucks	189	0	Offroad
Intertie Channel at Herdlyn Road Bridge	LDT1 Light Duty	-	1	Trucks
Intertie Channel at Herdlyn Road Bridge	LDA Passenger	-	1	Employees
Temporary Power (12 kv)	Rubber Tired Dozers	285	8	Offroad
Temporary Power (12 kv)	Tractors/Loaders/Backhoes	48	8	Offroad
Temporary Power (12 kv)	Rubber Tired Dozers	285	8	Offroad
Temporary Power (12 kv)	Cranes	350	8	Offroad
Temporary Power (12 kv)	Off-Highway Trucks	479	8	Offroad

Facility	CalEEMod Name	HP	Hours (trips for employees/trucks)	Type
Temporary Power (12 kv)	Off-Highway Trucks	189	8	Offroad
Temporary Power (12 kv)	Off-Highway Trucks	285	8	Offroad
Temporary Power (12 kv)	Cranes	350	8	Offroad
Temporary Power (12 kv)	Off-Highway Trucks	479	8	Offroad
Temporary Power (12 kv)	Other Construction Equipment	300	16	Offroad
Temporary Power (12 kv)	LDA Passenger	-	28	Employees
Temporary Power (69 kv)	Rubber Tired Dozers	285	8	Offroad
Temporary Power (69 kv)	Tractors/Loaders/Backhoes	48	8	Offroad
Temporary Power (69 kv)	Rubber Tired Dozers	285	8	Offroad
Temporary Power (69 kv)	Cranes	350	16	Offroad
Temporary Power (69 kv)	Off-Highway Trucks	479	8	Offroad
Temporary Power (69 kv)	Off-Highway Trucks	189	8	Offroad
Temporary Power (69 kv)	Off-Highway Trucks	285	8	Offroad
Temporary Power (69 kv)	Cranes	350	8	Offroad
Temporary Power (69 kv)	Off-Highway Trucks	479	8	Offroad
Temporary Power (69 kv)	Other Construction Equipment	300	8	Offroad
Temporary Power (69 kv)	LDA Passenger	-	33	Employees

1 **Table 22B-9. Construction Phases with Land Disturbance Activities (Pipeline/Tunnel Alignment)**

Phase and Acres
Intake 1 (190.85 acres)
River Intake 1: Clear & Grub/Demolition
River Intake 1: Construct Detour Road : Overexc/Recompact
River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 2 (181.24 acres)
River Intake 2: Clear & Grub/Demolition
River Intake 2: Construct Detour Road : Overexc/Recompact
River Intake 2: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 3 (188.16 acres)
River Intake 3: Clear & Grub/Demolition
River Intake 3: Construct Detour Road : Dewater
River Intake 3: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 4 (142.29 acres)
River Intake 4: Clear & Grub/Demolition
River Intake 4: Construct Detour Road : Overexc/Recompact
River Intake 4: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 5 (188.24 acres)
River Intake 5: Clear & Grub/Demolition
River Intake 5: Construct Detour Road : Overexc/Recompact
River Intake 5: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Pumping Plant 1 (190.85 acres)
Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 1: Excavation & Backfill : Import & Place Material
Pumping Plant 2 (181.24 acres)
Pumping Plant 2: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 2: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 2: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 2: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 2: Excavation & Backfill : Import & Place Material
Pumping Plant 3 (188.16 acres)
Pumping Plant 3: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 3: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 3: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 3: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 3: Excavation & Backfill : Import & Place Material
Pumping Plant 4 (142.29 acres)

Phase and Acres
Pumping Plant 4: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 4: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 4: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 4: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 4: Excavation & Backfill : Import & Place Material
Pumping Plant 5 (188.24 acres)
Pumping Plant 5: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 5: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 5: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 5: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 5: Excavation & Backfill : Import & Place Material
Intermediate Pumping Plant (1,891.62 acres)
Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing
Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste
Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile
Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill
Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile
Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill
Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompact 40' Widex 5' Deep:
Pipeline (403.04 acres)
Pipeline A: Clear & Grub/Demolition:
Pipeline A: Excavate & Haul Off Excess: Export 1 Mile
Pipeline A: Excavate & Stockpile For Reuse As BF: Excavate & Haul-Stockpile
Pipeline A: Place Backfill: Place Sand In Pipe Zone
Pipeline A: Place Backfill: Load, Haul, Compact BF From Stockpile
Pipeline A: Regrade ROW: Restore Area-Grade To Drain
Pipeline B: Excavate & Export
Pipeline B: Excavate & Stockpile
Pipeline B: Backfill
Pipeline B: Place Slurry Backfill
Pipeline D: Excavate & Export
Pipeline D: Excavate & Stockpile
Pipeline D: Backfill
Pipeline D: 16 inch pipe: Place Sand Backfill:
Pipeline E: Pipelines: Excavate & Export:
Pipeline E: Pipelines: Excavate & Stockpile:
Pipeline E: Pipelines: Backfill:
Pipeline E: Pipelines: Place Sand Backfill:
Pipeline E: 16 inch pipe: Place Sand Backfill:

Phase and Acres
Pipeline F: Excavate & Stockpile
Pipeline F: Backfill
Pipeline G: Excavate & Export
Pipeline G: Excavate & Stockpile
Pipeline G: Backfill
Pipeline H: Pipelines: Excavate & Export:
Pipeline H: Pipelines: Excavate & Stockpile:
Pipeline H: Pipelines: Backfill:
Pipeline H: Pipelines: Place Sand Backfill:
Pipeline H: 12 inch pipe: Place Sand Backfill:
Pipeline H: 16 inch pipe: Place Sand Backfill:
Pipeline H: 22 inch pipe: Place Sand Backfill:
Surge Tower/Weir Structure: Excavate & Export
Surge Tower/Weir Structure: Excavate & Stockpile
Surge Tower/Weir Structure: Backfill
Tunnel Reach 1 (401.97 acres)
Tunnel: Reach #1: Launch Shaft: Excavate and Support Shaft
Tunnel: Reach #1: Launch Shaft: Controlled Density Fill
Tunnel: Reach #1: Intermediate Shaft: Excavate and build tunnel / shaft collar
Tunnel: Reach #1: Intermediate Shaft: Backfill Shaft
Tunnel: Reach #1: Retrieval Shaft: Excavate Retrieval Shafts
Tunnel: Reach #1: Retrieval Shaft: Controlled Density Fill
Tunnel: Reach #1: Muck Disposal Shafts: Load & Haul excavated materials
Tunnel: Reach #1: 23' ID Tunnel: Set Up For Tunnel Excavation
Tunnel: Reach #1: 23' ID Tunnel: Mine 26' Tunnel
Tunnel Reach 2 (90.88 acres)
Tunnel: Reach #2: Launch Shaft: Excavate and Support Shaft
Tunnel: Reach #2: Launch Shaft: Controlled Density Fill
Tunnel: Reach #2: Intermediate Shaft: Excavate and build tunnel / shaft collar
Tunnel: Reach #2: Intermediate Shaft: Backfill Shaft
Tunnel: Reach #2: Retrieval Shaft: Excavate Retrieval Shafts
Tunnel: Reach #2: Retrieval Shaft: Controlled Density Fill
Tunnel: Reach #2: Muck Disposal Shafts: Load & Haul excavated materials
Tunnel: Reach #2: 33ft Tunnel: Set Up For Tunnel Excavation
Tunnel: Reach #2: 33ft Tunnel: Mine 37' Tunnel
Tunnel Reach 3 (11.56 acres)
Tunnel: Reach #3: Launch Shaft A: Excavate and Support Shaft
Tunnel: Reach #3: Launch Shaft A: Controlled Density Fill
Tunnel: Reach #3: Launch Shaft B: Excavate and Support Shaft
Tunnel: Reach #3: Launch Shaft B: Controlled Density Fill
Tunnel: Reach #3: Intermediate Shaft A: Excavate and build tunnel / shaft collar

Phase and Acres
Tunnel: Reach #3: Intermediate Shaft A: Backfill Shaft
Tunnel: Reach #3: Intermediate Shaft B: Excavate and build tunnel / shaft collar
Tunnel: Reach #3: Intermediate Shaft B: Backfill Shaft
Tunnel: Reach #3: Retrieving Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #3: Retrieving Shaft B: Excavate Retrieval Shafts
Tunnel: Reach #3: Retrieving Shaft B: Controlled Density Fill
Tunnel: Reach #3: Muck Disposal Shafts: Load & Haul excavated materials
Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Set Up For Tunnel Excavation
Tunnel: Reach #3: 33 ft Tunnel A Reach #3: Mine 37' Tunnel
Tunnel: Reach #3: 33 ft Tunnel B reach #3: Set Up For Tunnel Excavation
Tunnel: Reach #3: 33 ft Tunnel B reach #3: Mine 37' Tunnel
Tunnel Reach 4 (374.50 acres)
Tunnel: Reach #4: Launch Shaft A: Excavate and Support Shaft
Tunnel: Reach #4: Launch Shaft A: Controlled Density Fill
Tunnel: Reach #4: Launch Shaft B: Excavate and Support Shaft
Tunnel: Reach #4: Launch Shaft B: Controlled Density Fill
Tunnel: Reach #4: Intermediate Shaft A: Excavate and build tunnel / shaft collar
Tunnel: Reach #4: Intermediate Shaft A: Backfill Shaft
Tunnel: Reach #4: Intermediate Shaft B: Excavate and build tunnel / shaft collar
Tunnel: Reach #4: Intermediate Shaft B: Backfill Shaft
Tunnel: Reach #4: Retrieving Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #4: Retrieving Shaft A: Controlled Density Fill
Tunnel: Reach #4: Retrieving Shaft B: Excavate Retrieval Shafts
Tunnel: Reach #4: Retrieving Shaft B: Controlled Density Fill
Tunnel: Reach #4: 33 ft Tunnel A Reach #4: Mine 37' Tunnel
Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Set Up For Tunnel Excavation
Tunnel: Reach #4: 33 ft Tunnel B Reach #4: Mine 37' Tunnel
Tunnel Reach 5 (378.94 acres)
Tunnel: Reach #5: Launch Shaft A: Excavate and Support Shaft
Tunnel: Reach #5: Launch Shaft A: Controlled Density Fill
Tunnel: Reach #5: Launch Shaft B: Excavate and Support Shaft
Tunnel: Reach #5: Launch Shaft B: Controlled Density Fill
Tunnel: Reach #5: Intermediate Shaft A: Excavate and build tunnel / shaft collar
Tunnel: Reach #5: Intermediate Shaft A: Backfill Shaft
Tunnel: Reach #5: Intermediate Shaft B: Excavate and build tunnel / shaft collar
Tunnel: Reach #5: Intermediate Shaft B: Backfill Shaft
Tunnel: Reach #5: Retrieval Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #5: Retrieval Shaft A: Controlled Density Fill
Tunnel: Reach #5: Retrieval Shaft B: Excavate Retrieval Shafts
Tunnel: Reach #5: Retrieval Shaft B: Controlled Density Fill
Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Set Up For Tunnel Excavation

Phase and Acres
Tunnel: Reach #5: 33 ft Tunnel A Reach #5: Mine 37' Tunnel
Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Set Up For Tunnel Excavation
Tunnel: Reach #5: 33 ft Tunnel B Reach #5: Mine 37' Tunnel
Tunnel Reach 6 (433.31 acres)
Tunnel: Reach #6: Launch Shaft A: Excavate and Support Shaft
Tunnel: Reach #6: Launch Shaft A: Controlled Density Fill
Tunnel: Reach #6: Launch Shaft B: Excavate and Support Shaft
Tunnel: Reach #6: Launch Shaft B: Controlled Density Fill
Tunnel: Reach #6: Intermediate Shaft A: Excavate and build tunnel / shaft collar
Tunnel: Reach #6: Intermediate Shaft A: Backfill Shaft
Tunnel: Reach #6: Intermediate Shaft B: Excavate and build tunnel / shaft collar
Tunnel: Reach #6: Intermediate Shaft B: Backfill Shaft
Tunnel: Reach #6: Retrieving Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #6: Retrieving Shaft A: Controlled Density Fill
Tunnel: Reach #6: Retrieving Shaft B: Excavate Retrieval Shafts
Tunnel: Reach #6: Retrieving Shaft B: Controlled Density Fill
Tunnel: Reach #6: 33 ft Tunnel A Reach #6: Mine 37' Tunnel
Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Set Up For Tunnel Excavation
Tunnel: Reach #6: 33 ft Tunnel B Reach #6: Mine 37' Tunnel
Tunnel Reach 7 (666.69 acres)
Tunnel: Reach #7: Launch Shaft A: Excavate and Support Shaft
Tunnel: Reach #7: Launch Shaft A: Controlled Density Fill/Backfill
Tunnel: Reach #7: Launch Shaft B: Excavate and Support Shaft
Tunnel: Reach #7: Launch Shaft B: Controlled Density Fill
Tunnel: Reach #7: Intermediate Shaft A: Excavate and build tunnel / shaft collar
Tunnel: Reach #7: Intermediate Shaft A: Backfill Shaft
Tunnel: Reach #7: Intermediate Shaft B: Excavate and build tunnel / shaft collar
Tunnel: Reach #7: Intermediate Shaft B: Backfill Shaft
Tunnel: Reach #7: Retrieving Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #7: Retrieving Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #7: Retrieving Shaft A: Controlled Density Fill
Tunnel: Reach #7: Retrieving Shaft B: Excavate Retrieval Shafts
Tunnel: Reach #7: Retrieving Shaft B: Controlled Density Fill
Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Set Up For Tunnel Excavation
Tunnel: Reach #7: 33 ft Tunnel A Reach #7: Mine 37' Tunnel
Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Set Up For Tunnel Excavation
Tunnel: Reach #7: 33 ft Tunnel B Reach #7: Mine 37' Tunnel
Tunnel Reach 8 (53.85 acres)
Tunnel: Reach #8: Launch Shaft A: Excavate and Support Shaft
Tunnel: Reach #8: Launch Shaft A: Controlled Density Fill
Tunnel: Reach #8: Launch Shaft B: Excavate and Support Shaft

Phase and Acres
Tunnel: Reach #8: Launch Shaft B: Controlled Density Fill
Tunnel: Reach #8: Intermediate Shaft A: Excavate and build tunnel / shaft collar
Tunnel: Reach #8: Intermediate Shaft A: Backfill Shaft
Tunnel: Reach #8: Intermediate Shaft B: Backfill Shaft
Tunnel: Reach #8: Retrieval Shaft A: Excavate Retrieval Shafts
Tunnel: Reach #8: Retrieval Shaft A: Controlled Density Fill
Tunnel: Reach #8: Retrieval Shaft B: Excavate Retrieval Shafts
Tunnel: Reach #8: Retrieval Shaft B: Controlled Density Fill
Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Set Up For Tunnel Excavation
Tunnel: Reach #8: 33 ft Tunnel A Reach #8: Mine 37' Tunnel
Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Set Up For Tunnel Excavation
Tunnel: Reach #8: 33 ft Tunnel B Reach #8: Mine 37' Tunnel
Temporary Power (12 kV) (20.3 acre)
Temporary Power SMAQMD (12 kV)
Temporary Power SJVAPCD (12 kV)
Temporary Power BAAQMD (12 kV)
Temporary Power (69 kV) (58.9 acre)
Temporary Power SMAQMD (69 kV)
Temporary Power SJVAPCD (69 kV)
Temporary Power BAAQMD (69 kV)
Permanent Power (69 kV) (43.3 acre)
Permanent Power SMAQMD (69 kV)
Permanent Power SJVAPCD (69 kV)
Permanent Power BAAQMD (69 kV)
Permanent Power (230 kV) (127.5 acre)
Permanent Power SMAQMD (230 kV)
Permanent Power SJVAPCD (230 kV)
Permanent Power BAAQMD (230 kV)
Forebay (1,891.62 acres)
Forebays: Intermediate Forebay: Dewater Forebay Excavation: Excavate Trenches:
Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Haul Off Unsuitable:
Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile A:
Forebays: Intermediate Forebay: Remove Unsuitable: Excavate, Stockpile B:
Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Build Levees:
Forebays: Intermediate Forebay: Cut/Fill - Build Levees: Cut/Fill - Inside Forebay:
Forebays: Intermediate Forebay: Bypass: Bypass Inlet Structure: Excavate and Stockpile
Forebays: Intermediate Forebay: Bypass Piping: Load/Haul/Compact Backfill from Stockpile:
Forebays: Intermediate Forebay: Bypass Piping: Place Backfill Slurry:
Forebays: Intermediate Forebay: Bypass: Load/Haul/Compact Backfill from Stockpile:
Control Structure (1,898.87 acres)

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Phase and Acres

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Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions:  
Excavation/Grading:

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Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions:  
Excavate To Export:

---

Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Transitions:  
Backfill:

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Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control  
Structures: Excavation/Grading:

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Control Structure: Forebay Outlet 1 Inline Control Structure: Upstream and Downstream Control  
Structures: Backfill:

---

Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions:  
Excavation/Grading:

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Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions:  
Excavate To Export:

---

Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Transitions:  
Backfill:

---

Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control  
Structures: Excavation/Grading:

---

Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream and Downstream Control  
Structures: Backfill:

---

Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions:  
Excavation/Grading:

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Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions:  
Backfill:

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Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control  
Structures: Excavation/Grading:

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Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control  
Structures: Backfill:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions:  
Excavation/Grading:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions:  
Backfill:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures:  
Excavation/Grading:

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Head of Old River Barrier\* (5 acres): Phase 1

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Head of Old River Barrier\* (5 acres): Phase 2

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Head of Old River Barrier\* (5 acres): Phase 3

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\* Barrier only included for Alternative 2A

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1 **Table 22B-10. Construction Phases with Land Disturbance Activities (Modified Pipeline/Tunnel**  
 2 **Alignment)**

Phase and Acres
Intake 1 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Intake 2 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Intake 3 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Intake 4 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Intake 5 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Pumping Plant 1 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Pumping Plant 2 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Pumping Plant 3 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Pumping Plant 4 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Pumping Plant 5 (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Intermediate Pumping Plant (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Pipelines (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Temporary Power : 34.5 kV (131.2 acres)
Temporary Power : 230 kV (841.8 acres)
Permanent Power : 69 kV (237.3 acres)
Permanent Power : 230 kV (343.50 acres)
Forebays (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Control Structures (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Head of Old River Barrier (same as Pipeline Tunnel Alignment, see Table 22B-9)*
Tunnel Reach #1 (360.14 acres ; same phase types as Pipeline Tunnel Alignment)
Tunnel Reach #2 (360.14 acres ; same phase types as Pipeline Tunnel Alignment)
Tunnel Reach #3 (0 acres)
Tunnel Reach #4 (476.27 acres ; same phase types as Pipeline Tunnel Alignment)
Tunnel Reach #5 (1320.67 acres ; same phase types as Pipeline Tunnel Alignment)
Tunnel Reach #6 (921.78 acres ; same phase types as Pipeline Tunnel Alignment)
Tunnel Reach #7 (1156.582 acres ; same phase types as Pipeline Tunnel Alignment)
Expanded Clifton Court (1465.40 acres)
Expanded Clifton Court:East Side Embankment:Clearing and Grubbing
Expanded Clifton Court:East Side Embankment:Excavation
Expanded Clifton Court:West Side Embankment:Clearing and Grubbing
Expanded Clifton Court:West Side Embankment:Excavation
Expanded Clifton Court:Partition Forebay:Clearing and Grubbing
Expanded Clifton Court:Partition Forebay:Excavation
Expanded Clifton Court:North Side Embankment:Clearing and Grubbing
Expanded Clifton Court:North Side Embankment:Excavation
Expanded Clifton Court:CCF Embankment Removal:Clearing and Grubbing
Expanded Clifton Court:CCF Embankment Removal:Excavation
Siphons (4.40 acres)

Phase and Acres
Main Tunnel Siphon:Phase 1:Clearing & Grubbing / Demolition
Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Excavation
Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments
Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Excavation/Grading
Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Transitions:Backfill (Including Embankment)
Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Upstream & Downstream Control Structures:Excavation/Grading
Main Tunnel Siphon:Phase 1:Erosion & Sediment Control BMP's:Inlet & Outlet Transition Structure:Backfill (Including Embankment)
Main Tunnel Siphon:Phase 2:Clearing & Grubbing / Demolition
Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Excavation
Main Tunnel Siphon:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments
North Forebay:Phase 1:Clearing & Grubbing / Demolition
North Forebay:Phase 1:Erosion & Sediment Control BMP's:Excavation
North Forebay:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments
North Forebay:Phase 2:Clearing & Grubbing / Demolition
North Forebay:Phase 2:Erosion & Sediment Control BMP's:Excavation
North Forebay:Phase 2:Erosion & Sediment Control BMP's:Backfill & Embankments
Byron Highway:Phase 1:Clearing & Grubbing / Demolition
Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Excavation
Byron Highway:Phase 1:Erosion & Sediment Control BMP's:Backfill & Embankments
CANALS
* Emissions scaled (see Appendix 22A)

1 **Table 22B-11. Construction Phases with Land Disturbance Activities (East Alignment)**

Phase and Acres
Intake 1 (190.85 acres)
River Intake 1: Clear & Grub/Demolition
River Intake 1: Construct Detour Road : Overexc/Recompact
River Intake 1: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 2 (181.24 acres)
River Intake 2: Clear & Grub/Demolition
River Intake 2: Construct Detour Road : Overexc/Recompact
River Intake 2: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 3 (188.16 acres)
River Intake 3: Clear & Grub/Demolition
River Intake 3: Construct Detour Road : Dewater
River Intake 3: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 4 (142.29 acres)
River Intake 4: Clear & Grub/Demolition
River Intake 4: Construct Detour Road : Overexc/Recompact
River Intake 4: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Intake 5 (188.24 acres)
River Intake 5: Clear & Grub/Demolition
River Intake 5: Construct Detour Road : Overexc/Recompact
River Intake 5: Const B/U Levee/Widen Levee Top Access: Overexc/Recompact
Pumping Plant 1 (190.85 acres)
Pumping Plant 1: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 1: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 1: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 1: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 1: Excavation & Backfill : Import & Place Material
Pumping Plant 2 (181.24 acres)
Pumping Plant 2: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 2: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 2: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 2: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 2: Excavation & Backfill : Import & Place Material
Pumping Plant 3 (188.16 acres)
Pumping Plant 3: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 3: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 3: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 3: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 3: Excavation & Backfill : Import & Place Material
Pumping Plant 4 (142.29 acres)
Pumping Plant 4: Clearing/Grubbing : Clearing/Grubbing

Phase and Acres
Pumping Plant 4: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 4: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 4: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 4: Excavation & Backfill : Import & Place Material
Pumping Plant 5 (188.24 acres)
Pumping Plant 5: Clearing/Grubbing : Clearing/Grubbing
Pumping Plant 5: Excavation & Backfill : Excavation & Haul To Waste
Pumping Plant 5: Excavation & Backfill : Excavation & Stockpile
Pumping Plant 5: Excavation & Backfill : Place Stockpiled Material As Backfill
Pumping Plant 5: Excavation & Backfill : Import & Place Material
Intermediate Pumping Plant (1,624.51 acres)
Intermediate Pumping Plant: Clearing/Grubbing/Dewatering: Clearing & Grubbing
Intermediate Pumping Plant: PP Excavation & Backfill: Excavate & Waste
Intermediate Pumping Plant: PP Excavation & Backfill: Excavation & Stockpile
Intermediate Pumping Plant: PP Excavation & Backfill: Place Stockpiled Material As Backfill
Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Excavation & Stockpile
Intermediate Pumping Plant: Forebay From New North Canal: Forebay From New North Canal - Place Stockpiled Material As Backfill
Intermediate Pumping Plant: Forebay From New North Canal: Haul Road: Overexc & Recompect 40' Widex 5' Deep:
Pipeline (188.94 acres)
Pipline: Place Backfill: Place Sand in Pipe Zone
Pipline: Place Backfill: Backfill - Load and Haul
Pipline: Place Backfill: Backfill - Place and Compact
Pipline: Pumping Plant Transition Structure: Excavate and Stockpile
Pipline: Pumping Plant Transition Structure: Backfill
Pipeline to Canal Transition Structure: Excavate and Haul
Pipeline to Canal Transition Structure: Excavate and Stockpile
Pipeline to Canal Transition Structure: Backfill
Canal (16,656.00 acres)
Canals: Clear and Grub: Clear and Grub::
Canals: Overexcavate & Replace Under Embankments: Dewatering Embankment Area: Excavate Trenches:
Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to ROW Spoil Berm:
Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 5 Truck:
Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 6 Truck:
Canals: Overexcavate & Replace Under Embankments: Waste Unsuitable Material: Unsuitable to Borrow Backfill 7 Truck:
Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 2.5m to 7m Haul, Truck:

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Phase and Acres

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Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow 7m to 11m Haul, Truck:

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Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow >11m Haul, Truck:

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Canals: Overexcavate & Replace Under Embankments: Import and Replace to OG: Truck from Borrow to King Island:

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Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to ROW Berms:

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Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 2.5m to 7m truck:

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Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF 7m to 11m truck:

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Canals: On-Site Excavation: Export Unsuitable Material: Unsuitable from Canal Excavation to Borrow BF from >11m truck:

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Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Replace Unsuit Exc Under Embankment:

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Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Canal Embankment Lower Section:

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Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed For Emb. Top Out:

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Canals: On-Site Excavation: Cut and Fill Suitable Material: Canal Exc To Dry Bed Reach To Reach:

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Canals: On-Site Excavation: Dewater Canal Exc Area: Excavate Trenches:

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Canals: Import and Place as Embankment: Import and Place: Excavate Trenches:

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Canals: Toe Roads: Excavate for Toe Roads::

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Canals: Toe Roads: Backfill Excavation from Borrow::

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Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Excavate Overburden to 3' Depth:

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Canals: Haul Roads: Overexc and Recompact 40'W X3'Dx 71 Miles: Refill from Borrow:

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Siphon E1 (151.95 acres)

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Transitions: Backfill:

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Upstream & Downstream Control Structures: Backfill:

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavate Channel/Build Levee:

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Wet Exc/Dragline

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Excavation: Dry Exc/Backhoe

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Culvert Siphons - Shallow Crossings: E1 Stone Lake Drain: Box Culvert Section: Backfill:

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Siphon E2 (125.58 acres)

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Transitions: Backfill:

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Excavation/Grading:

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Phase and Acres

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Upstream & Downstream Control Structures: Backfill:

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Wet Exc/Dragline

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe

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Culvert Siphons - Shallow Crossings: E2 Beaver Slough: Box Culvert Section: Backfill:

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Siphon E3 (106.00 acres)

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Transitions: Backfill:

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Upstream & Downstream Control Structures: Backfill:

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Wet Exc/Dragline

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe

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Culvert Siphons - Shallow Crossings: E3 Hog Slough: Box Culvert Section: Backfill:

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Siphon E4 (141.00 acres)

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Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Transitions: Backfill:

---

Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Excavation/Grading:

---

Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Upstream & Downstream Control Structures: Backfill:

---

Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:

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Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Wet Exc/Dragline

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Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe

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Culvert Siphons - Shallow Crossings: E4 Sycamore Slough: Box Culvert Section: Backfill:

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Siphon E5 (120.00 acres)

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Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Transitions: Backfill:

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Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Excavation/Grading:

---

Culvert Siphons - Shallow Crossings: E5 White Slough: Upstream & Downstream Control Structures: Backfill:

---

Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Overexc & Recompact Diversion Channel:

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Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Wet Exc/Dragline

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Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Excavation: Dry Exc/Backhoe

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Phase and Acres

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Culvert Siphons - Shallow Crossings: E5 White Slough: Box Culvert Section: Backfill:

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Siphon E6 (130.00 acres)

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions:  
Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Transitions:  
Backfill:

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control  
Structures: Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Upstream & Downstream Control  
Structures: Backfill:

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Wet  
Exc/Dragline

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Excavation: Dry  
Exc/Backhoe

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Culvert Siphons - Shallow Crossings: E6 Disappointment Slough: Box Culvert Section: Backfill:

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Siphon E7 (107.80 acres)

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Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions:  
Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Transitions: Backfill:

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Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures:  
Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Upstream & Downstream Control Structures:  
Backfill:

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Culvert Siphons - Shallow Crossings: E7 BNSF Railroad: Box Culvert Section: Backfill:

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Siphon E8 (142.00 acres)

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions:  
Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Transitions: Backfill:

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures:  
Excavation/Grading:

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Upstream & Downstream Control Structures:  
Backfill:

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Wet  
Exc/Dragline

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Excavation: Dry  
Exc/Backhoe

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Culvert Siphons - Shallow Crossings: E8 Middle River Slough: Box Culvert Section: Backfill:

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Control Structure (1,624.51 acres)

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Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions:  
Excavation/Grading:

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Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Transitions: Backfill:

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Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures:  
Excavation/Grading:

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Control Structure:Forebay Outlet 1 Inline Control Structure: Upstream & Downstream Control Structures:  
Backfill:

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Phase and Acres

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Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions:  
Excavation/Grading:

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Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Transitions: Backfill:

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Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures:  
Excavation/Grading:

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Control Structure: Forebay Outlet 2 Inline Control Structure: Upstream & Downstream Control Structures:  
Backfill:

---

Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Transitions:  
Backfill:

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Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control  
Structures: Excavation/Grading:

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Control Structure: California Aqueduct Inline Control Structure: Upstream and Downstream Control  
Structures: Backfill:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions:  
Excavation/Grading:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Transitions: Backfill:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures:  
Excavation/Grading:

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Control Structure: Delta Mendota Inline Control Structure: Upstream and Downstream Control Structures:  
Backfill:

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Bridge G2 (14.62 acres)

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Bridges: G2 Scribner Road: Roadway Embankment: Load and Haul Borrow:

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Bridges: G2 Scribner Road: Roadway Embankment: Place Embankment:

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Bridge G3 (7.85 acres)

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Bridges: G3 Hood-Franklin Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G3 Hood-Franklin Road: Roadway Fill: Place Embankment:

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Bridge G4 (35.83 acres)

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Bridges: G4 Lambert Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G4 Lambert Road: Roadway Fill: Place Embankment:

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Bridge G5 (23.70 acres)

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Bridges: G5 Dierssen Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G5 Dierssen Road: Roadway Fill: Place Embankment:

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Bridge G6 (29.86 acres)

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Bridges: G6 Twin Cities Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G6 Twin Cities Road: Roadway Fill: Place Embankment:

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Bridge G7 (31.43 acres)

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Bridges: G7 West Barber Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G7 West Barber Road: Roadway Fill: Place Embankment:

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Bridge G8 (17.58 acres)

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Bridges: G8 West Walnut Grove Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G8 West Walnut Grove Road: Roadway Fill: Place Embankment:

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Bridge G9 (21.01 acres)

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Bridges: G9 North Blossom Road: Roadway Fill: Load and Haul Borrow:

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Bridges: G9 North Blossom Road: Roadway Fill: Place Embankment:

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Phase and Acres
Bridge G10 (17.55 acres)
Bridges: G10 West Woodbridge Road: Roadway Fill: Load and Haul Borrow:
Bridges: G10 West Woodbridge Road: Roadway Fill: Place Embankment:
Bridge G11 (30.55 acres)
Bridges: G11 SR12: Roadway Fill: Load and Haul Borrow:
Bridges: G11 SR12: Roadway Fill: Place Embankment:
Bridge G12 (31.93 acres)
Bridges: G12 North Guard Road: Roadway Fill: Load and Haul Borrow:
Bridges: G12 North Guard Road: Roadway Fill: Place Embankment:
Bridge G13 (29.05 acres)
Bridges: G13 West Eight Mile Road: Roadway Fill: Load and Haul Borrow:
Bridges: G13 West Eight Mile Road: Roadway Fill: Place Embankment:
Bridge G14 (21.96 acres)
Bridges: G14 West McDonald Road: Roadway Fill: Load and Haul Borrow:
Bridges: G14 West McDonald Road: Roadway Fill: Place Embankment:
Bridge G15 (27.24 acres)
Bridges: G15 SR4: Roadway Fill: Load and Haul Borrow:
Bridges: G15 SR4: Roadway Fill: Place Embankment:
Bridge G16 (25.98 acres)
Bridges: G16 West Bacon Island Road: Roadway Fill: Load and Haul Borrow:
Bridges: G16 West Bacon Island Road: Roadway Fill: Place Embankment:
Bridge G17 (20.56 acres)
Bridges: G17 South Tracy Road: Roadway Fill: Load and Haul Borrow:
Bridges: G17 South Tracy Road: Roadway Fill: Place Embankment:
Bridge G18 (34.07 acres)
Bridges: G18 Cal Pack Road: Roadway Fill: Load and Haul Borrow:
Bridges: G18 Cal Pack Road: Roadway Fill: Place Embankment:
Bridge G19 (35.30 acres)
Bridges: G19 Clifton Court Road: Roadway Fill: Load and Haul Borrow:
Bridges: G19 Clifton Court Road: Roadway Fill: Place Embankment:
Forebay (1,624.51 acres)
Forebays: Remove Unsuitable-Export: Excavate and Haul Off Unsuitable::
Temporary Power (12 kV) (80.1 acra)
Temporary Power SMAQMD (12 kV)
Temporary Power SJVAPCD (12 kV)
Temporary Power BAAQMD (12 kV)
Temporary Power (69 kV) (54.5 acra)
Temporary Power SMAQMD (69 kV)
Temporary Power SJVAPCD (69 kV)
Temporary Power BAAQMD (69 kV)
Permanent Power (69 kV) (148.65 acres)
Permanent Power SMAQMD (69 kV)

Phase and Acres
Permanent Power SJVAPCD (69 kV)
Permanent Power BAAQMD (69 kV)
Permanent Power (230 kV) (79.29 acres acre)
Permanent Power SMAQMD (230 kV)
Permanent Power SJVAPCD (230 kV)
Permanent Power BAAQMD (230 kV)
Mokelumne River Tunnel (402.85 acres)
Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Excavate and Support Shaft
Tunnel: Mokelumne River Tunnel: Launch Shaft "A" : Controled Desity Fill
Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation
Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "A" : Mine 37' Tunnel
Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Excavate Retrival Shafts
Tunnel: Mokelumne River Tunnel: Retrieval Shaft "A" : Controled Desity Fill
Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Excavate and Support Shaft
Tunnel: Mokelumne River Tunnel: Launch Shaft "B" : Controled Desity Fill
Tunnel: Mokelumne River Tunnel: 33 ft Tunnel "B": Mine 37' Tunnel
Tunnel: Mokelumne River Tunnel: Retrival Shaft "B" : Excavate Retrival Shafts
Tunnel: Mokelumne River Tunnel: Retrival Shaft "B" : Controled Desity Fill
Tunnel: Mokelumne River Tunnel: Muck Disposal Shafts : Load & Haul excavated materials
Old River Tunnel (74.36 acres)
Tunnel: Old River Tunnel: Launch Shaft "A" : Excavate and Support Shaft
Tunnel: Old River Tunnel: Launch Shaft "A" : Controled Desity Fill
Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation
Tunnel: Old River Tunnel: 33 ft Tunnel "A" : Mine 27' Tunnel
Tunnel: Old River Tunnel: Retrieval Shaft "A" : Excavate Retrival Shafts
Tunnel: Old River Tunnel: Retrieval Shaft "A" : Controled Desity Fill
Tunnel: Old River Tunnel: Launch Shaft "B" : Excavate and Support Shaft
Tunnel: Old River Tunnel: Launch Shaft "B" : Controled Desity Fill
Tunnel: Old River Tunnel: 33 ft Tunnel "B" : Mine 27' Tunnel
Tunnel: Old River Tunnel: Retrival Shaft "B" : Excavate Retrival Shafts
Tunnel: Old River Tunnel: Retrival Shaft "B" : Controled Desity Fill
San Joaquin River Tunnel (193.82 acres)
Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Excavate and Support Shaft
Tunnel: San Joaquin River Tunnel: Launch Shaft "A" : Controled Desity Fill
Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Set Up For Tunnel Excavation
Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "A" : Mine 27' Tunnel
Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Excavate Retrival Shafts
Tunnel: San Joaquin River Tunnel: Retrieval Shaft "A" : Controled Desity Fill
Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Excavate and Support Shaft
Tunnel: San Joaquin River Tunnel: Launch Shaft "B" : Controled Desity Fill
Tunnel: San Joaquin River Tunnel: 33 ft Tunnel "B" : Mine 27' Tunnel
Tunnel: San Joaquin River Tunnel: Retrival Shaft "B" : Excavate Retrival Shafts

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Phase and Acres

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Head of Old River Barrier\* (5 acres): Phase 1

Head of Old River Barrier\* (5 acres): Phase 2

Head of Old River Barrier\* (5 acres): Phase 3

\* Barrier only included for Alternative 2B

1

2 **Table 22B-12. Construction Phases with Land Disturbance Activities (Through Delta/Separate**  
3 **Corridors Alignment)**

Phase	Acres
DCC Fish Screen Intake Facility (1st half)	47.01
DCC Fish Screen Intake Facility (2nd half)	47.01
Georgiana Slough Fish Screen Intake Facility (1st half)	34.43
Georgiana Slough Fish Screen Intake Facility (2nd half)	34.43
Middle River Diversion Pumping Plant	26.00
Old River Siphon	87.51
West Canal Siphon	35.38
Coney Island Canal	528.77
Flood Gate at SJR at Old River*	31.85
Tidal Gate at Middle River	28.00
Flood Gate at Sacramento River at Meadows Slough	40.06
Tidal Gate w/Boat Lock at Snodgrass Slough	18.72
Control Gate at Mokelumne River near Lost Slough w/Boat Lock	40.94
Frank's Tract (Type III Barrier w/Boat Lock)	65.36
Three Mile Slough (Type III Barrier)	19.45
Fisherman's Cut (Type III Barrier w/Boat Lock)	35.67
Victoria Canal / North Canal (Type III Barrier w/Boat Lock)	28.18
Connection Slough (Type III Barrier w/Boat Lock)	40.29
Railroad Cut (Type III Barrier w/Boat Lock)	25.33
Woodward Canal / North Victoria Canal (Type III Barrier w/Boat Lock)	45.74
Intertie Channel from CCF to DMC Approach**	195.24
Victoria Canal Dredging	135.49
Middle River Dredging	907.54
Re-Channeling for River's End Marina Diversion	60.26
Levee for Victoria Canal Enlargement	0.00
Temporary Power SMAQMD (12 kv)	10.9
Temporary Power SJVAPCD (12 kv)	17.5
Temporary Power BAAQMD (12 kv)	2.6

\* Includes San Joaquin at Old River Pumping Plant

\*\* Includes Control Gate in DMC Approach, Intertie Channel at CCF Perimeter Road Bridge, Intertie Channel at Herdlyn Road Bridge

Tunnel: Reach #1: Retrieval Shaft: Elbow &amp; Riser Forms

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