

# CVP Project Description

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## CVP Facilities

- 20 dams and reservoirs - includes
  - Shasta Dam
  - Trinity Dam
  - Folsom Dam
  - New Melones Dam
  - San Luis Reservoir
  - Friant Dam
  - Jones Pumping Plant

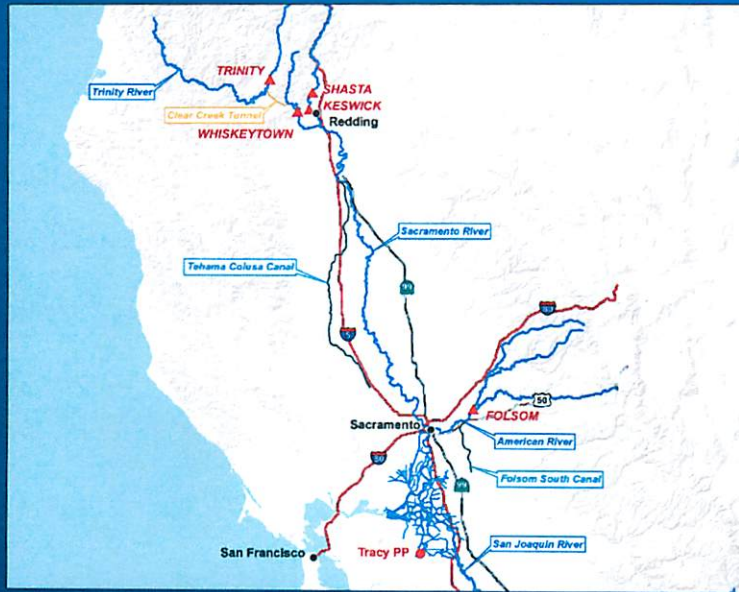
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## CVP Facilities (cont.)

- **500 miles of canals**
  - Tehama-Colusa Canal
  - Delta-Mendota Canal
  - San Luis Canal (California Aqueduct)
  - Friant-Kern & Madera Canals
- **11 Hydroelectric plants**
  - 4.5 million megawatts generating capacity

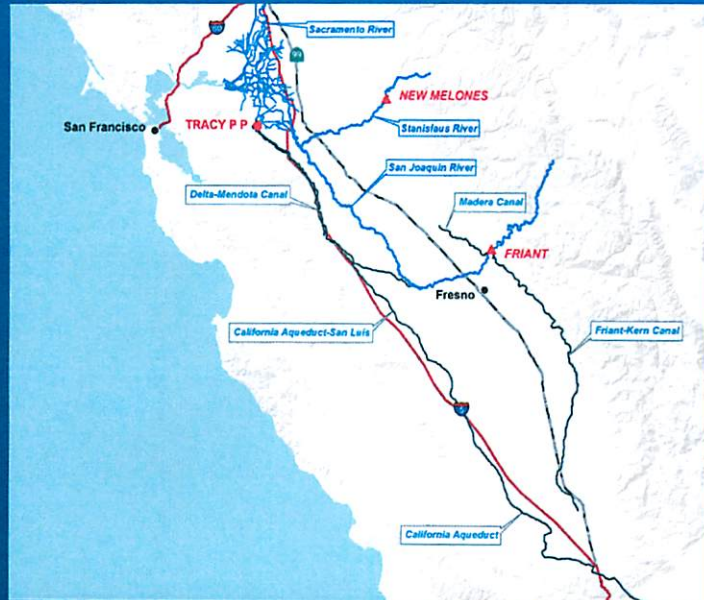
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## CVP Facilities – North of Delta



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## CVP Facilities – South of Delta



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## CVP Service Area



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## CVP Operations

- Provides water for three million acres of crops; 600,000 acre-feet for municipal and industrial purposes
- Integrated operationally and financially
- CVP operations coordinated with SWP pursuant to COA

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## CVP Operations (cont.)

- CVP diverts runoff from rain and snowmelt in Sacramento and San Joaquin River Basins and Trinity River to storage
  - CVP also directly diverts unregulated flows downstream of dams and from the Delta; rediverts storage releases
  - CVP appropriates water only after all senior rights and regulatory requirements are met
- CVP operated consistent with:
  - Requirements contained in D-1641
  - 2008 USFWS and 2009 NMFS Biological Opinions
  - All other regulatory requirements

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# CVP Water Rights

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## CVP Water Rights Permits

- 31 CVP Permits
  - 22 direct diversion and storage permits; nine power permits
- 11 Permits included in CWF Petition - Shasta, Trinity, Folsom
  - Shasta: 22,200 CFS; 4.45 MA-F Storage
  - Trinity: 3,200 CFS; 2.5 MA-F Storage
  - Folsom: 8,700 CFS; 1.3 MA-F Storage

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## CVP Permit Terms

Permit	Priority Date	Type	Point(s) of Diversion	Amount	Season
P12721	7/30/1927	Direct Diversion & Storage	Sacramento River at Shasta	8000 cfs; 3.19 MA-F	Direct Diversion: Year Round Storage: 10/1 - 6/30
P12722	8/2/1938	Direct Diversion & Storage	Sacramento River at Shasta	1000 cfs; 310 KA-F	Direct Diversion: 9/1 - 6/30 (Year Round in Delta & below Shasta) Storage: 10/1 - 6/30
P12723	8/2/1938	Direct Diversion & Storage	Sacramento River at Shasta	9000 cfs; 1.303 MA-F	Direct Diversion: 9/1 - 6/30 (Year Round in Delta & below Shasta) Storage: 10/1 - 6/31

-Total Storage under P12721, P12722, P12723 not to exceed 4.493 MA-F

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## CVP Permit Terms (cont.)

Permit	Priority Date	Type	Point(s) of Diversion	Amount	Season
P11967	7/30/1927	Direct Diversion & Storage	Trinity River at Clair Engle	2500 cfs; 1.54 MA-F	Direct Diversion: Year Round Storage: Year Round
P11968	6/15/1953	Direct Diversion & Storage	Trinity River at Clair Engle	300 cfs; 200 KA-F	Direct Diversion: Year Round Storage: Year Round
P11969	6/15/1953	Direct Diversion & Storage	Trinity River at Clair Engle	1700 cfs; 1.8 MA-F	Direct Diversion: Year Round Storage: Year Round
P11971	12/5/1955	Storage	Trinity River at Clair Engle	700 KA-F	Year Round
P11973	11/28/1956	Direct Diversion	Trinity River at Lewiston	1500 cfs	Year Round
-Total Storage under P11967, P11969, P11971, P11973 not to exceed 2.5 MA-F					

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### CVP Permit Terms (cont.)

Permit	Priority Date	Type	Point(s) of Diversion	Amount	Season
P12364	11/28/1956	Direct Diversion & Storage	Clear Creek at Whiskeytown	3600 cfs; 250 KA-F	Direct Diversion: 11/1 - 4/1 Storage: 11/1 - 4/1
P11315	10/1/1949	Direct Diversion & Storage	American River at Folsom Dam	8000 cfs; 1 MA-F	Direct Diversion: 11/1 - 8/1 Storage: 11/1 - 7/1
P11316	10/1/1949	Direct Diversion & Storage	American River at Folsom Dam	700 cfs; 300 KA-F	Direct Diversion: 11/1 - 8/1 Storage: 11/1 - 7/1

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## CWF Petition for Change

- Reclamation joins in and concurs with DWR testimony
- All other provisions of CVP permits will remain unchanged
  - Sources of water
  - Rate of direct diversion and diversion to storage, season of diversion
  - CVP maximum combined rate of diversion from the Delta – 4,200 cfs
  - Consolidated Place of Use and purposes of use

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## CVP Points of Diversion

- Existing Main Points of Diversion/Rediversion
  - Shasta Dam
  - Trinity Dam
  - Whiskeytown Dam
  - Folsom Dam
  - Tehama-Colusa Canal
  - Sacramento River Settlement Contractors
  - Jones Pumping Plant (Tracy)
  - Friant Dam
- Proposed New Points of Diversion
  - 3 new intake locations in northern Delta near Hood

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# CVP Points of Diversion



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## Not a New Water Right

- Reclamation joins in and concurs with DWR testimony
- Reclamation does not seek:
  - Increase in rate of diversion in the Delta beyond currently permitted rates
  - An expansion in current seasons of diversion or in the CVP Consolidated Place of Use
  - Changes in purposes of use

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## No Injury To Other Legal Users Of Water

- Reclamation joins in and concurs with DWR testimony
- The CWF will be operated in a manner that allows Reclamation to continue to meet senior water rights and current CVP legal and regulatory obligations
- Reclamation will continue to honor senior water rights
- Compliance with D-1641 will insure no impacts to in-Delta water users by CWF
- Minor changes in water quality will still be within D-1641 objectives
- DWR- Contra Costa WD settlement will not affect Reclamation's ability to continue to meet senior water rights and current CVP legal and regulatory obligations

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## CVP Contracts

- **Long-term water service & repayment contracts**
  - Contract for water appropriated under CVP water rights
- **Water rights settlement contracts**
  - Settle water right disputes resulting from construction of CVP facilities
  - Contract amount is negotiated between Reclamation and contractor – not a quantification of the underlying right

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## **CVP Long-Term Water Service & Repayment Contracts**

- **127 CVP contracts served from water appropriated under Reclamation water right permits**
  - Maximum of 6.1 MA-F for 127 contracts
  - Actual quantity for any contractor in any year dependent on a number of factors
  - Contracts do not govern overall CVP operations

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## Sacramento River Settlement Contracts

- 136 settlement contracts with water users downstream of Shasta Dam
- Shortage provisions based on inflow to Shasta (“Shasta Criteria”) – 100% or 75%
  - 75% is a “Shasta Critical” year
- Base (Water Rights) and Project (CVP water) supplies
  - Base: 1.8 MA-F in Normal year; 1.35 MA-F in Shasta Critical year
  - Project: 380 KA-F in Normal year; 285 KA-F in Shasta Critical year

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## Other CVP Settlement Agreements

- **Exchange Contract**
  - Four contractors – exchange right to divert from San Joaquin River for supply of water from the Delta
  - Shortage provisions based on Shasta Criteria
  - Receive 840,000 a-f in normal year; 650,000 a-f in Shasta Critical year
- **San Joaquin River**
  - Nine contracts
  - Shortage provisions based on Shasta Criteria

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## Other CVP Settlement Contracts (cont.)

- **San Joaquin River Holding Contracts**
  - 128 contracts between Friant Dam and Gravelly Ford
  - Settlement of water rights disputes below Friant Dam (*Dugan v. Rank*)
  - Provides for 5 cfs at contractor's point of diversion
  - No shortage provision
- **Other Settlement Contracts/Operations Agreements**
  - 5 contracts/agreements on American and Stanislaus rivers

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## CWF Does Not Change Contracts

- CWF will not alter upstream operational criteria
- No change in terms of CVP water service, repayment, settlement contracts or operational agreements
- Reclamation will continue to comply with the terms and conditions of all CVP contracts

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