Item No. 4, MS4 Storm Water Permit

Santa Rosa, Sonoma County and the Sonoma County Water Agency

Executive Officer's Summary Report Attachment 8:

Cost Estimates

COST ESTIMATES

As the Regional Water Board requested at the July 22, 2009 public meeting, staff has compiled information on the cost of implementing the draft Permit that has been submitted. The responses to comments on the first draft Permit issued on June 22, 2009, stated staff's willingness to consider any cost estimates of implementing the draft Permit that the Co-Permittees submitted. On July 16, 2009, the Executive Officer sent the Co-Permittees a second letter requesting cost estimates in enough detail to evaluate the costs and how they were estimated.

On August 10, 2009, Regional Water Board staff met with City of Santa Rosa staff and discussed preliminary cost estimates that the City provided. During the meeting, it became clear that a large portion of the costs arose from misunderstanding permit requirements, and Regional Water Board staff was able to remove millions of dollars from the City's cost estimate. At the City's request, staff agreed to clarify requirements in the draft Permit.

On August 19, 2009, staff received cost estimates from Sonoma County, which are described below.

On August 20, 2009, Regional Water Board staff sent the Co-Permittees the third request for cost estimates, prior to release of the final draft Permit for Regional Water Board consideration. The August 20, 2009, letter gave the Co-Permittees a deadline of September 1, 2009, to submit information for staff consideration.

Regional Water Board staff met with Sonoma County staff on August 26, 2009. At the meeting, it became clear that the County's August 19, 2009 submittal overestimated costs by including activities outside of the permit boundary and even some outside of the North Coast Region. Furthermore, County staff had misinterpreted requirements of the draft Permit which also added costs. Regional Water Board staff asked County staff to provide more accurate cost estimates by the September 1, 2009 deadline. Also at the meeting, staff agreed to the County's request to clarify requirements in the draft Permit.

On September 1, 2009, staff received revised cost estimates from the City of Santa Rosa. Although staff has some concerns because of the lack of detail on how the cost estimates were developed, and believes the costs of implementing the new development requirements to be overestimated, staff believes that these cost estimates are more representative than other estimates received from the Co-Permittees.

On September 8, 2009, staff received revised cost estimates from Sonoma County and these are included in the agenda package, but did not have time to review, analyze or consider them prior to including them in this package. Staff will review them prior to the public hearing on October 1, 2009.

Staff has considered costs during permit development and made adjustments to help alleviate the burden of those costs, while balancing the need to protect water quality and reduce the discharge of pollutants to the MEP. Staff made 132 substantive changes to the first draft Permit at the Co-Permittees' request. Additionally, staff met

with the Co-Permittees several times following the July 22, 2009 public meeting to discuss costs. Staff was able to remove millions of dollars from the Co-Permittees' estimates of implementation of the draft Permit because we were able to clarify permit requirements for the Co-Permittees. Staff made over 53 additional changes to the second draft Permit at the commenter's requests, many of which resulted in even further cost reductions. Furthermore, many of the costs of the draft Permit can be charged to the party for which the service is provided, for example, permit fees for development project review and restaurant inspections.

In addition to the costs of implementing the draft Permit, staff has also considered the benefits of protecting water quality for drinking, recreation, tourism, and wildlife habitat.

Staff also recommends that the Co-Permittees seek out opportunities to reduce inefficiencies and redundancies in their programs by streamlining inter-departmental processes and information sharing, and improving collaboration with other permittees and volunteer groups.

After adoption of a draft Permit, staff will continue to work with the Co-Permittees and other stakeholders to implement the Permit in a cost effective manner that protects water quality.

Current boundary (Mark West Creek watershed) estimated cost for County of Sonoma compliance with the second version of the state MS4 permit

Draft MS4 Permit Version 2 Provi	sion	DES		DHS]	OTPW		GS		PRMD	F	RP .	CC	Total
	One Time	Annual	One Time	Annual	One Time	Annual	One Time	Annual	One Time	Annual	One Time	Annual		
A. Discharge Prohibitions	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,100	\$0	\$0	\$0	\$14,100
B. Receiving Water Limitations	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,600	\$0	\$0	\$0	\$2,600
C. TMDL - Laguna	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
D. Program Implementation	\$	\$0	\$0	\$19,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Part 1-General Requirements	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$180,000	\$0	\$0	\$0	\$199,000
Part 2-Legal Authority	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,000	\$0	\$0	\$0	\$16,000
Part 3-Fiscal Resources	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$0	\$0	\$8,000
Part 4 - Modifications	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$388	\$400	\$0	\$1,478
Part 5 - Responsibility of Copermittees	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$32,000	\$0	\$0	\$0	\$32,000
E. Special Provisions														
Part 1 - General Requirements	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$5,000
Part 2 - Public Information	\$	\$0	\$0	\$9,900	\$0	\$10,000	\$0	\$0	\$0	\$154,000	\$4,378	\$226	\$0	\$175,002
Part 3 - Industrial/Commercial Facility	\$	\$17,003	\$0	\$25,000	\$0	\$0	\$0	\$0	\$0	\$332,000	\$0	\$0	\$0	\$374,003
Part 4 - Planning/Land Development	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,000	\$3,267	\$1,715	\$0	\$55,368
Part 5 - New/Redevelopment	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$52,000	\$6,896	\$1,041	\$0	\$54,420
Part 6 - Post-Construction BMPs	\$	\$0	\$0	\$0	\$0	\$175,000	\$0	\$0	\$0	\$75,000	\$653	\$1,148	\$0	\$251,279
Part 7 - State Statute Conformity	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,200	\$0	\$0	\$0	\$10,200
Part 8 - Construction Program	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$27,600	\$0	\$306	\$0	\$27,906
Part 9 - Public Agency Activities	\$	\$0	\$0	\$0	\$0	\$910,000	\$0	\$80,000	\$0	\$0	\$16,142	\$26,626	\$0	\$1,099,854
Part 10 - Illicit Connection/Discharges	\$	\$11,335	\$0	\$6,100	\$0	\$300,000	\$0	\$0	\$0	\$56,000	\$39,329	\$224	\$0	\$325,525
Part 11 - Reporting Program	\$	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0
Monitoring and Special Studies	\$	0 \$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Annual Costs		\$28,338		\$60,000		\$1,395,000		\$80,000		\$1,058,500		\$31,686		\$2,653,524
Total One Time Costs	\$	O	\$0		\$0		\$0		\$0		\$71,053			\$71,053
Total Costs = Total Annual Costs + (Total One Time Co	osts) / 5	\$28,338		\$60,000		\$1,395,000		\$80,000		\$1,058,500		\$45,897		\$2,667,735

Storm Water Management Plan		DES		DHS]	DTPW		GS		PRMD	F	RP	CC	Total
	One	Annual	One	Annual	One	Annual	One	Annual	One	Annual	One	Annual		
1. Legal Authority										1,400				\$1,400
2. Private Construction										54,620				\$54,620
3. Industrial/Commercial Sources		17,003		25,000						0				\$42,003
4. Municipal Operations						700,000		80,000		0		16,374		\$796,374
5. Illicit Discharge Detection		11,335		6,100		60,000				48,300				\$125,735
6. Public Education & Outreach				9,900						34,500	2,310			\$44,862
7.1. Formal Evaluation				19,000						5,000				\$24,000
7.2. Special Studies						5,000				10,400				\$15,400
8. Fiscal Analysis										2,600				\$2,600
9. Monitoring Plan										0				\$0
10. Post-Development/SUSMP										70,300				\$70,300
Total annual costs		\$28,338		\$60,000		\$765,000		\$80,000		\$227,120		\$16,374	\$0	\$1,176,832
Total one time costs											\$2,310			\$462
Total Costs		\$28,338		\$60,000		\$765,000		\$80,000		\$227,120		\$18,684	\$0	\$1,177,294

 Total Costs (adjusted)
 \$28,338
 \$60,000
 \$1,395,000
 \$80,000
 \$1,058,500
 \$48,060
 \$2,669,898

 \$73,363
 \$14,673
 \$14,673
 \$14,673
 \$14,673
 \$14,673

\$2,684,571

Total Cost per Household Household = 16600 \$162

Current boundary (Mark West Creek watershed) estimated cost for County of Sonoma compliance with the second version of the state MS4 permit

Draft MS4 Permit Version 2	Provision		DES	1	DHS	_	DTPW		GS		PRMD		RP	CC	Total
Draft WIS4 Permit Version 2	Provision													CC	Total
		One Time	Annual	One Time	Annual	One Time	Annual	One Time	Annual	One Time	Annual	One Time	Annual		
	<u> </u>	Time		Time		Time		Time		Time		Time			
A. Discharge Prohibitions	General														
	5(a)										\$8,000				\$8,000
	5(b)										\$6,000				\$6,000
	5(c)										\$100				\$100
A. Discharge Prohibitions (sub total)											\$14,100				\$14,100
B. Receiving Water Limitations	General														
	3(a)										\$2,000				\$2,000
	3(e)										\$600				\$600
B. Receiving Water Limitations (sub total)											\$2,600				\$2,600
C. TMDL - Laguna	General										\$0				\$0
3	1										7.				
D. Program Implementation	General				\$19,000				1						
Part 1-General Requirements	1(1)				+->,000						\$180,000				\$199,000
Part 2-Legal Authority	2(1)(b)(7)										\$10,000				\$10,000
Tart 2 Legal Munority	2(1)(b)(14)										\$5,000				\$5,000
	2(3)			1				1		1	\$1,000				\$1,000
Post 2 Figual Pagaurage				1										\vdash	
Part 3-Fiscal Resources Part 4 - Modifications	3(1)(a) 4(1) & (2)			1							\$8,000 \$1,000	\$388	\$400		\$8,000 \$1,478
Part 5 - Responsibility of Copermittees				1							\$10,000	\$300	\$400	\vdash	\$1,478
Part 5 - Responsibility of Coperfittees	5(1)(b)														
	5(1)(c)										\$1,000				\$1,000
	5(1)(d)										\$1,000				\$1,000
	5(1)(e)										\$10,000				\$10,000
	5(1)(f)										\$10,000				\$10,000
	5(1)(g)										\$0				\$0
	<u> </u>														
D. Program Implementation (sub total)					\$19,000						\$237,000	\$388	\$400		\$256,478
E. Special Provisions	General														\$0
Part 1 - General Requirements	1(4)(a)										\$5,000				\$5,000
Part 2 - Public Information					\$9,900		\$10,000					\$4,378	\$226		\$21,002
	2(1)(a)										\$8,000				\$8,000
	2(1)(b)										\$8,000				\$8,000
	2(1)(c)										\$8,000				\$8,000
	2(1)(d)								1		\$3,000			i i	\$3,000
	2(2)(b)(1)										\$1,000				\$1,000
	2(2)(c)(1)(A)								1		\$4,000				\$4,000
	2(2)(c)(1)(B)										\$4,000				\$4,000
	2(2)(c)(1)(C)		 					1	 	1	\$4,000				\$4,000
	2(2)(c)(1)(E)		 		 				<u> </u>		\$1,600			 	\$1,600
	2(2)(c)(1)(E) 2(2)(c)(1)(F)	-	-		-				1		\$2,400				\$2,400
	2(2)(c)(1)(F) 2(2)(c)(2)	-									\$4,000			\vdash	\$4,000
				_										 	
	2(2)(c)(3)			-							\$2,000				\$2,000
	2(2)(c)(4)	-	ļ		ļ				1		\$4,000			├	\$4,000
	2(2)(c)(5)										\$20,000				\$20,000

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	2(2)(c)(6)							\$8,000				\$8,000
	2(2)(c)(7)							\$20,000				\$20,000
	2(2)(c)(8)							\$20,000				\$20,000
	2(2)(d)							\$10,000				\$10,000
	2(3)(a)(1)							\$0				\$0
	2(3)(a)(1)(A-							\$2,000				\$2,000
	2(3)(b)(1)(A)							\$10,000				\$10,000
	2(3)(b)(1)(B)							\$10,000				\$10,000
2 2 1 1 1 2 2 1 1 2 2 2		*15 000		*** ***								* 12.00
Part 3 - Industrial/Commercial Facility	General	\$17,003		\$25,000								\$42,003
	3(3)(a)							\$332,000				\$332,000
									***	A		
Part 4 - Planning/Land Development	General								\$3,267	\$1,715		\$2,368
	4(5)							\$10,000				\$10,000
	4(6)(a)(1)							\$10,000				\$10,000
	4(6)(a)(2)							\$2,000				\$2,000
	4(6)(a)(3)							\$5,000				\$5,000
	4(6)(a)(4)							\$5,000				\$5,000
	4(6)(a)(5)							\$1,000				\$1,000
	4(6)(a)(6)							\$1,000				\$1,000
	4(6)(a)(7)							\$1,000				\$1,000
	4(6)(a)(8)							\$5,000				\$5,000
	4(6)(a)(9)							\$1,000				\$1,000
	4(6)(a)(10)							\$12,000				\$12,000
Part 5 - New/Redevelopment	General								\$6,896	\$1,041		\$2,420
	5(2)(a)(2)							\$2,000				\$2,000
	5(2)(a)(3)							\$10,000				\$10,000
	5(2)(a)(4)(A)							\$2,000				\$2,000
	5(2)(a)(4)(B)							\$1,000				\$1,000
	5(2)(a)(4)(C)							\$2,000				\$2,000
	5(2)(a)(4)(D)							\$2,000				\$2,000
	5(2)(a)(4)(E)							\$2,000				\$2,000
	5(2)(b)(3)							\$1,000				\$1,000
	5(2)(c)(1)(C-							\$20,000				\$20,000
	5(4)(a)(3)(E)							\$10,000				\$10,000
Part 6 - Post-Construction BMPs	General					\$175,000			\$653	\$1,148		\$176,279
	6(1)							\$1,000				\$1,000
	6(2)(a)							\$20,000				\$20,000
	6(2)(b)							\$6,000				\$6,000
	6(2)(c)(1)							\$4,000				\$4,000
	6(2)(c)(1)							\$8,000				\$8,000
	6(2)(d)							\$4,000				\$4,000
	6(2)(e)							\$10,000				\$10,000
	6(5)(a)(1-8)							\$20,000				\$20,000
	6(6)							\$2,000				\$2,000
Part 7 - State Statute Conformity	General											\$0
	7(1)(a)							\$10,000				\$10,000
	7(2)(a)							\$200				\$200

Part 8 - Construction Program	General				I				I 1				\$306	\$306
	8(2)(a)										\$4,000			\$4,000
	8(2)(b)										\$2,000			\$2,000
	8(2)(c)										\$4,000			\$4,000
	8(2)(d)										\$3,000			\$3,000
	8(5)										\$1,600			\$1,600
	8(6)										\$3,200			\$3,200
	8(7)(a)(1-2)										\$4,000			\$4,000
	8(7)(b)										\$1,200			\$1,200
	8(7)(c)										\$720			\$720
	8(7)(d)										\$480			\$480
	8(8)(a)(b)										\$1,000			\$1,000
	8(9)										\$2,400			\$2,400
Part 9 - Public Agency Activities	General										0	\$16,142	\$26,626	\$109,854
	9(1)													
	9(2)(a)						\$225,000							\$225,000
	9(5)(a)						\$150,000		\$80,000					\$230,000
	9(9)						\$525,000							\$525,000
	9(11)						\$10,000							\$10,000
Part 10 - Illicit Connection/Discharges	General		\$11,335		\$6,100							\$39,329	224	\$25,525
	10(1)										\$4,000			
	10(2)										\$40,000			
	10(2)(b)						\$275,000							\$275,000
	10(3)										\$7,000			
	10(4)(a)						\$25,000							\$25,000
	10(4)(b)										\$4,000			
	10(5)										\$1,000			
Part 11 - Reporting Program	General													\$0
	11(1)(a)										32,000			
	11(1)(b)										8,000			
E. Special Provisions (sub total)			\$28,338		\$41,000		\$1,395,000		\$80,000		\$804,800	\$70,665	\$31,286	\$2,394,557
								1						\$0
Monitoring and Special Studies	General													\$0
Monitoring and Special Studies Total Appeal Costs	General		\$28 330		\$60,000		\$1 305 000		000 082		\$1.058.500		\$21.696	
Monitoring and Special Studies Total Annual Costs Total One Time Costs	General	\$0	\$28,338	\$0	\$60,000	\$0	\$1,395,000	\$0	\$80,000	\$0	\$1,058,500	\$71,053	\$31,686	\$2,653,524 \$71,053

Current boundary (Mark West Creek watershed) estimated cost for Cou

Draft MS4 Permit Version 2	Provision	Ι	OTPW
		One	Annual
		Time	
A. Discharge Prohibitions	General		
	5(a)		
	5(b)		
	5(c)		
A. Discharge Prohibitions (sub total)			
B. Receiving Water Limitations	General		
	3(a)		
	3(e)		
3. Receiving Water Limitations (sub total)			
C. TMDL - Laguna	General		
C. IIIDD - Daguna	General		
D. Program Implementation	General	+	
Part 1-General Requirements	1(1)		
Part 2-Legal Authority	2(1)(b)(7)		
Ç ,	2(1)(b)(14)		
	2(3)		
Part 3-Fiscal Resources	3(1)(a)		
Part 4 - Modifications	4(1) & (2)		
Part 5 - Responsibility of Copermittees	5(1)(b)		
	5(1)(c)		
	5(1)(d)		
	5(1)(e)		
	5(1)(f)		
	5(1)(g)		
D. Duranam Landamantotica (sub total)			
D. Program Implementation (sub total)			
E. Special Provisions	General		
Part 1 - General Requirements	1(4)(a)		
Part 2 - Public Information			
	2(1)(a)		
	2(1)(b)		
	2(1)(c)		
	2(1)(d)		
	2(2)(b)(1)		
	2(2)(c)(1)(A)		
	2(2)(c)(1)(B)		
	2(2)(c)(1)(C)		
	2(2)(c)(1)(E)		
-	2(2)(c)(1)(F)		
	2(2)(c)(2)		
	2(2)(c)(3)		
	2(2)(c)(4)		
	2(2)(c)(5)		

	2(2)(c)(6)	
	2(2)(c)(7)	
	2(2)(c)(8)	
	2(2)(d)	
	2(3)(a)(1)	
	2(3)(a)(1)(A-B)	
	2(3)(b)(1)(A)	
	2(3)(b)(1)(B)	
Part 3 - Industrial/Commercial Facility	General	
	3(3)(a)	
Part 4 - Planning/Land Development	General	
	4(5)	
	4(6)(a)(1)	
	4(6)(a)(2)	
	4(6)(a)(3)	
_	4(6)(a)(4)	
	4(6)(a)(5)	
_	4(6)(a)(6)	
	4(6)(a)(7)	
	4(6)(a)(8)	
	4(6)(a)(9)	
	4(6)(a)(10)	
Part 5 - New/Redevelopment	General	
Part 3 - New/Redevelopment	5(2)(a)(2)	+
	5(2)(a)(2) 5(2)(a)(3)	_
	5(2)(a)(4)(A)	
	5(2)(a)(4)(B)	
	5(2)(a)(4)(C)	
	5(2)(a)(4)(D)	
	5(2)(a)(4)(E)	
	5(2)(b)(3)	
	5(2)(c)(1)(C-D)	
	5(4)(a)(3)(E)	
	3(4)(a)(3)(L)	
Part 6 - Post-Construction BMPs	General	
	6(1)	1
	6(2)(a)	1
	6(2)(b)	1
	6(2)(c)(1)	1
	6(2)(c)(1)	
	6(2)(d)	
	6(2)(e)	
	6(5)(a)(1-8)	
	6(6)	
Part 7 - State Statute Conformity	General	
	7(1)(a)	
_	7(2)(a)	
D. O. G. A. I. B.		
Part 8 - Construction Program	General	

	8(2)(a)	
	8(2)(b)	
	8(2)(c)	
	8(2)(d)	
	8(5)	
	8(6)	
	8(7)(a)(1-2)	
	8(7)(b)	
	8(7)(c)	
	8(7)(d)	
	8(8)(a)(b)	
	8(9)	
Part 9 - Public Agency Activities	General	
	9(1)	
	9(2)(a) - page 51	\$37,500
	9(5)(a) page 54	\$221,250
	9(9) page 56	\$232,130
	9(11)	\$375
Part 10 - Illicit Connection/Discharges	General	
Tut 10 Innet Connection Discharges	10(1)	
	10(1)	
	10(2)(b) page 60	\$90,000
	10(3)	
	10(4)(a)	
	10(4)(b)	
	10(5)	
Part 11 - Reporting Program	General	
	11(1)(a)	
	11(1)(b)	
E. Special Provisions (sub total)	 	\$581,255
Monitoring and Special Studies		
Total Annual Costs		\$581,255
Total One Time Costs	\$	
Total Costs = Total Annual Costs + (Total One	Time Costs) / 5	\$581,255

	Department of	Health Services	/Environmental	Health Division					
		Department of T							
		Ī	Permit and Res	ource Manage	ment Departme	nt			
				General Service	ces/Architect's [Division			
					Department of	Emergency Se	ervices		
						Agricultural Co	ommissioner's Office		
							Regional Parks Department		
								CAO	TOTAL
Duo ano a Managana anti	* 10. * 10	***	*1= 0 -0 -1	4.0	4.0	37/1			TOTAL
Program Management/ Effectiveness Evaluation	\$10,349	\$52,018	\$170,226	\$0	\$0	N/A	\$67,847	\$0	\$300,440
Private Construction	\$0	\$0	\$161,780	\$0	\$0	N/A	\$0	\$0	\$161,780
Industrial/Commercial Sources	\$7,798	\$0	\$0	\$0	\$17,003	N/A	\$0	\$0	\$24,801
Municipal Operations	\$0	\$564,496	\$476	\$0	\$0	N/A	\$65,324	\$0	\$630,296
Illicit Discharge Detection & Elimination	\$5,119	\$0	\$2,009	\$0	\$11,335	N/A	\$0	\$0	\$18,463
Public Education & Outreach	\$6,047	\$0	\$29,414	\$0	\$0	N/A	\$17,510	\$0	\$52,971
SUSMP	\$0	\$0	0	\$0	\$0	N/A	\$829	\$0	\$829
Monitoring	\$0	\$0	\$245	\$0	\$0	N/A	\$0	\$0	\$245
TOTAL	\$29,313	\$616,514	\$364,150	\$0	\$28,338	N/A	\$151,510	\$0	\$1,189,825

\$0 \$28,338

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\$29,313 \$616,514 \$364,150

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	Department of	Health Services	/Environmental	Health Division					
		Department of T							
		Ī	Permit and Res	ource Manage	ment Departme	nt			
				General Service	ces/Architect's [Division			
					Department of	Emergency Se	ervices		
						Agricultural Co	ommissioner's Office		
							Regional Parks Department		
								CAO	TOTAL
Duo ano a Managana anti	* 10. * 10	***	*1= 0 -0 -1	4.0	4.0	37/1			TOTAL
Program Management/ Effectiveness Evaluation	\$10,349	\$52,018	\$170,226	\$0	\$0	N/A	\$67,847	\$0	\$300,440
Private Construction	\$0	\$0	\$161,780	\$0	\$0	N/A	\$0	\$0	\$161,780
Industrial/Commercial Sources	\$7,798	\$0	\$0	\$0	\$17,003	N/A	\$0	\$0	\$24,801
Municipal Operations	\$0	\$564,496	\$476	\$0	\$0	N/A	\$65,324	\$0	\$630,296
Illicit Discharge Detection & Elimination	\$5,119	\$0	\$2,009	\$0	\$11,335	N/A	\$0	\$0	\$18,463
Public Education & Outreach	\$6,047	\$0	\$29,414	\$0	\$0	N/A	\$17,510	\$0	\$52,971
SUSMP	\$0	\$0	0	\$0	\$0	N/A	\$829	\$0	\$829
Monitoring	\$0	\$0	\$245	\$0	\$0	N/A	\$0	\$0	\$245
TOTAL	\$29,313	\$616,514	\$364,150	\$0	\$28,338	N/A	\$151,510	\$0	\$1,189,825

\$0 \$28,338

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			Permit and Resou						
			G	Seneral Service	es/Architect's Div	ision			
					Department of En	nergency Se	rvices		
					Ag	ricultural Cor	mmissioner's Office		
						F	Regional Parks Department		
							CA		TOTAL
Program Management/ Effectiveness Evaluation	\$7,139	\$50,556	\$177,482	\$0	\$0	N/A	\$56,840	\$0	\$292,01
Private Construction	\$0	\$0	\$209,673	\$0	\$0	N/A	\$0	\$0	\$209,673
ndustrial/Commercial Sources	\$9,853	\$0	\$0	\$0	\$19,951	N/A	\$0	\$0	\$29,804
Municipal Operations	\$0	\$547,125	\$0	\$0	\$0	N/A	\$64,540	\$0	\$611,66
Illicit Discharge Detection & Elimination	\$1,441	\$0	\$1,648	\$0	\$13,300	N/A	\$0	\$0	\$16,389
Public Education & Outreach	\$749	\$0	\$84,116	\$0	\$0	N/A	\$39,091	\$0	\$123,950
SUSMP	\$0	\$0	\$1,980	\$0	\$0	N/A	\$949	\$0	\$2,929
Monitoring	\$0	\$0	\$3,069	\$0	\$0	N/A	\$0	\$0	\$3,069
TOTAL	\$19,182	\$597,681	\$477,968	\$0	\$33,251	N/A	\$161,420	\$0	\$1,289,502

\$19,182 \$597,681 \$477,968 \$0 \$33,251 \$0 \$161,420 \$0 \$0

\$0 \$1,289,502

\$62,056 \$0 \$0 \$572,959	\$220,881 \$192,368 \$0	General Servic	es/Architect's [Department of	Division Emergency Se Agricultural Co	mmissioner's Office Regional Parks Department	\$1,904 \$0	\$360,960 \$192,368 \$18,370
\$0 \$0	\$220,881 \$192,368 \$0	\$1,260 \$0	Department of	Emergency Se Agricultural Co N/A N/A	mmissioner's Office Regional Parks Department \$70,572	\$1,904 \$0	\$360,960 \$192,368
\$0 \$0	\$192,368 \$0	\$1,260 \$0	\$0 \$0	Agricultural Co N/A N/A	mmissioner's Office Regional Parks Department \$70,572	\$1,904 \$0	\$360,960 \$192,368
\$0 \$0	\$192,368 \$0	\$0	\$0 \$0	N/A N/A	Regional Parks Department \$70,572	\$1,904 \$0	\$360,960 \$192,368
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\$0	\$0						
•	, i	\$0	\$16,470	N/A	\$0	\$0	
\$572,959	¢24.244				Ψ.	Ψ	Ψ10,570
	\$24,344	\$0	\$0	N/A	\$16,329	\$0	\$615,536
\$0	\$22,101	\$0	\$10,980	N/A	\$0	\$0	\$36,245
\$0	\$15,752	\$0	\$0	N/A	\$36,433	\$0	\$56,522
\$0	\$112,628	\$0	\$0	N/A	\$0	\$0	\$112,628
		\$0	\$0	N/A	\$0	\$0	\$39,017
		\$1,260	\$27,450	N/A	\$123,335	\$1,904	
	\$29,216 \$664,231		\$29,216 \$9,801 \$0 \$664,231 \$597,876 \$1,260	\$29,216 \$9,801 \$0 \$0 \$664,231 \$597,876 \$1,260 \$27,450	\$29,216 \$9,801 \$0 \$0 N/A \$664,231 \$597,876 \$1,260 \$27,450 N/A	\$29,216 \$9,801 \$0 \$0 N/A \$0 \$664,231 \$597,876 \$1,260 \$27,450 N/A \$123,335	\$29,216 \$9,801 \$0 \$0 N/A \$0 \$0 \$664,231 \$597,876 \$1,260 \$27,450 N/A \$123,335 \$1,904

	Department of	Health Services/E	Environmental H	ealth Division					
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		·	Permit and Reso	ource Manager	nent Departme	ent			
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				Ī	Department of	Emergency Se	ervices		
						Agricultural Co	mmissioner's C	Office	
							Regional Parks	Department	
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									TOTAL
Program Management/ Effectiveness Evaluation	\$10,135	\$25,469	\$229,727	\$19,500	\$27,663	\$3,600	\$38,629	\$13,100	\$367,853
Private Construction	\$0	\$0	\$91,516	\$0	\$0	\$0	\$0	\$0	\$91,516
Industrial/Commercial Sources	\$9,394	\$0	\$3,874	\$0	\$0	\$0	\$0	\$0	\$13,268
Municipal Operations	\$0	\$285,429	\$11,102	\$0	\$0	\$0	\$1,635	\$0	\$298,166
Illicit Discharge Detection and Elimination	\$209	\$0	\$14,931	\$0	\$0	\$0	\$0	\$0	\$15,140
Public Education and Outreach	\$3,465	\$0	\$25,454	\$0	\$0	\$0	\$26,834	\$0	\$55,753
SUSMP	\$0	\$0	\$328,887	\$0	\$0	\$0	\$0	\$0	\$328,887
Monitoring	\$0	\$45,764	\$619	\$0	\$0	\$0	\$0	\$0	\$46,383
TOTAL	\$23,203	\$356,662	\$706,140	\$19,500	\$27,663	\$3,600	\$67,098	\$13,100	\$1,216,966

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	_	Department of T							
		_	-	source Manage		nent			
			_	General Servic	-				
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							mmissioner's C	Office	
							Regional Parks	Department	
								-	TOTAL
Program Management/ Effectiveness Evaluation	\$11,827	\$21,666	\$76,824	\$0	\$0	\$3,565	\$2,200	\$13,071	\$129,153
Private Construction	\$0	\$0	\$40,650	\$0	\$0	\$0	\$0	\$0	\$40,650
Industrial/Commercial Sources	\$1,046	\$0	\$0	\$0	\$9,098	\$0	\$0	\$0	\$10,144
Municipal Operations	\$0	\$296,125	\$0	\$29,250	\$0	\$0	\$5,195	\$0	\$330,570
Illicit Discharge Detection and Elimination	\$4,393	\$0	\$8,674	\$0	\$6,065	\$0	\$0	\$0	\$19,132
Public Education and Outreach	\$527	\$0	\$28,632	\$0	\$0	\$0	\$1,640	\$0	\$30,272
SUSMP	\$0	\$0	\$26,876	\$0	\$0	\$0	\$0	\$0	\$26,876
Monitoring	\$0	\$13,000	\$0	\$0	\$0	\$0	\$0	\$0	\$13,000
TOTAL	\$17,266	\$330,791	\$181,656	\$29,250	\$15,163	\$3,565	\$9,035	\$0	\$600,324

\$17,266 \$330,791 \$181,656 \$29,250 \$15,163 \$3,565 \$9,035 \$0 \$600,324

Review of Ver 2 draft MS4 permit from RB1 to Permitees	EXIST	ING BOUND	ARY MARK W	VEST CRE	EK WAT	ERSHED								
This is a 62-pg permit with a 63-pg. fact sheet, and a 7-pg. monitoring program	PRMD	only costs	REVISED 8	-27-09										
The area reduction is six fold yet estimate 40% of the takes place in the MWCr. WS; so use countw	ide *0.4	=boundary if	applicable											
				Deliverab	les	\$ 100	Hourly Ra	te						
				Over 5	Over 1	Hours	Cost per					Revised		
Work item	Pg#	Section	Lump Sum	Years	Years	per Item	Item		5 yr Cost	Annual Costs	Totals	Cos	Differ	ence
A. DISCHARGE PROHIBITIONS	40	۸۶۰	\$ 40.000	0				•	40.000	f 0.000		Farrel	Ф.	
Plan to categorize non-SW discharges and BMPs Public education & outreach on infiltration for SW allowed to enter MS4s	10	A 5 a A 5 b	\$ 40,000	6		50	\$ 5,000	\$				Equal Equal		-
Plan shall be formally noticed	10	A 5 c	\$ -	5			\$ 100		500			Equal		
			-					Ť					1	
Totals for A. DISCHARGE PROHIBITIONS										sub-total	\$ 14,100			
B. RECEIVING WATER LIMITATIONS Notify RB1 when exceedances of water quality standard or water quality objectives and submit a														
Receiving Water Limitations (RWL) Compliance Report for each occurrence.	16	ВЗа	\$ -	10	2	10	\$ 1,000	\$	10,000	\$ 2,000		Equal	\$	_
Modifications to the RWL report	16	B3e	\$ -	6			\$ 500					Equal		-
									,					
Totals for B. RECEIVING WATER LIMITATIONS										sub-total	\$ 2,600			
O LACINA TUDI														
C. LAGUNA TMDL: monitoring program calls for Nitrogen attainment annually at 4 sites														
Wait for response from Steve Brady at city														
Totals for C. LAGUNA TMDL: monitoring program calls for Nitrogen attainment annually at 4	1							+ +						
3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3														
D. STORM WATER QUAL MANAGEMENT PROGRAM IMPLEMENTATION														-
Part 1: Gen. req., responsible for program coordination	17	D11	\$ -	5	1	1800	#######	\$	900,000	\$ 180,000		Equal	\$	-
Part 2: legal authority; low threat discharge added as item 7	18	D21b7	\$ -				\$ -	\$	-	\$ -		DOWN	\$	(10,000)
Part 2: legal authority; discharge from onsite wastewater systems added as item 14	18	D 2 1 b 14	\$ -				\$ -	\$	-	\$ -		DOWN	\$	(5,000)
Part 2: update of legal authority	19	D 2 3	\$ -	1	0.2	80	\$ 8,000	\$	8,000	\$ 1,600		UP	\$	600
Part 3: fiscal resources with an annual budget summary for prior year and upcoming year (re-tool														
accounting)	20	D31a	\$ -	1	0.2	100	\$ 10,000	\$	10,000	\$ 2,000		DOWN	-	(6,000)
work)		D31a	\$ -	5	1	16	\$ 1,600	\$	8,000	\$ 1,600		UP	\$	1,600
Part 4: Modifications/revisions to county SWMP to RB1	20	D 4 1&2	\$ -	5	1	40	\$ 4,000	\$	20,000	\$ 4,000		UP	\$	3,000
Part 5: Responsibility of Co-Perms: intra-agency coord (Fire Dept,RP,	21	D51b	\$ -	500	100	1	\$ 100	\$	50,000	\$ 10,000		Equal	\$	-
report any supplemental "dedicated budgets"	21	D51c	\$ -	5	1	10	\$ 1,000	\$	5,000	\$ 1,000		Equal		-
participate in Environmental Crimes Task Force "when possible"	21	D 5 1 d	\$ -	25			\$ 200		5,000			Equal		-
"Provide technical and administrative support for committees that will be organized to		Dord	Ψ	20		, -	Ψ 200	1	0,000	Ψ 1,000		Lquu	Ψ	
implement this Order and it's requierments." OPEN ENDED	21	D51e	\$ -	60	12	2 4	\$ 400	\$	24,000	\$ 4,800		DOWN	\$	(5,200)
"Evaluate, assess, and synthesize monitoring results and BMP eff"	21	D 5 1 f	\$ -	5	1	40	\$ 4,000	\$	20,000	\$ 4,000		DOWN	\$	(6,000)
Annual reports: see cost in Part 11; redundant here	21	D51g	\$ -				\$ -	\$		\$ -		Equal	-	
	1		*			1	-	"		-		_qua	1	
Totals for D. STORM WATER QUAL MANAGEMENT PROGRAM IMPLEMENTATION										sub-total	\$ 210,000			
E. SPECIAL PROVISIONS														
PART 1 - GENERAL REQUIREMENTS: notification of BMP substitution	21	E 1 3-4		5	1	40	\$ 4,000	\$	20,000	\$ 4,000		DOWN	\$	(1,000)
DADT 2 DUDLIC INCORMATION AND DADTICIDATION PROCEDIED develop of district and														
PART 2 - PUBLIC INFORMATION AND PARTICIPATION PROG PIPP: develop and implement, coordinate with SRJC and SSU	22	E 2 1												
To measurably increase knowledge about MS4s	22	E 21a	\$ 40,000			1	\$ -	\$	40,000	\$ 8,000		Equal	\$	
To measurably change behavior about MS4s	- 44	E 2 1 b	\$ 40,000		 	+	\$ -	\$	40,000			Equal		
, ,				20	<u> </u>	1 20		-				Equal		-
To involve and engage communities to participate in improving WQ		E 21 c		20			\$ 2,000							-
Regularly (annually) review PIPP, one CoPermittee meeting/yr min. Label all storm drains in MS4s	22	E 2 1 d	\$ - \$ -	5	1	30	\$ 3,000	\$	15,000			Equal		-
					 	+						Equal		-
Public recording: update contact info: illicit Q, clogged drains; at web,	23	E22b1	\$ 5,000	0		1	\$ -	\$	5,000			Equal		-
Conduct a SW pollution prevention advertising "campaign"	23	E22 c1A	\$ 20,000	0			\$ -	\$	20,000	\$ 4,000		Equal	\$	-

Conduct a SW pollution prevention public service announcement	23	E22c1B	\$ 20,000	0			\$ -	1 9	20,000	\$ 4,000	Equa	1 \$	
Distrubute SWPP materials to: SFD, automotive, pet shops, etc.	23	C	\$ -	200	40	1	\$ 10) {	20,000	\$ 4,000	Equa	1 \$	-
West of the College Control of College Control of College Coll		_					• ••				2014		(400)
Work with existing or organize watershed Cit. Advis. Groups/Committees to educate the public Organize (or participate in) events targeted to residents	23	E		30 20	6 4		\$ 20 \$ 1,00				DOWN	\$	(400) 1,600
Educate Spanish communities through cultural methods	23	E 2 2 c 2	\$ 20,000	0	4	10	\$ 1,00	9			Equa		-
Lawn care and water conservation outreach program	24	3	\$ -	16600	3320	0.02		2 9				\$	4,640
Conduct educational activities and participate in countywide events	24	4	\$ -	5	1		\$ 4,00				Equa		-
Min. of 25% "impressions" of perm. pop. related to SW quality, with a min. of 15% via													
newspapers, local TV, local radio, or internet	24	5		62250	12450	0.02	\$	2 \$	124,500	\$ 24,900	UP	\$	4,900
Provide all county school districts w/materials (video, live presentations, etc.) to educated 40%	0.4	•	•	40	0.0	40	6 400		04000	40.000	l ue		4.000
of all K-12 every 2-yrs Develop and implement a strategy to measure effectiveness of in-school programs	24	6	\$ - \$ -	16	3.2 0.4		\$ 4,00				DOWN	\$	4,800 (18,400)
Develop and implement a strategy to measure ellectiveness of in-scribol programs Develop and implement a behavioral change assessment strategy of PIPP	24	7	\$ 100,000	0	0.4	40	\$ 4,00) 9	- 1	. ,	Equa		(18,400)
Coordinate and develop outreach programs for watershed specific pollutants	24	E 2 2 d	\$ 50,000	0			\$ -	9			Equa		-
Cool and a corresponding programs for material as positive political to			ψ σσ,σσσ				•		00,000	Ψ,σσσ	2900	. •	
Develop and implement a Corporate Outreach education program. For managers of min. 4 RGC)												
frachisees and cover a min of 80% of county RGO franchises, four autoparts franchises, etc.	24	E 2 3 a 1	\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	-
Meetings and distribution of educational materials to Corporate outreach for all home													
improvement centers, mobile businesses, and restaurant chains	25	A	\$ -	20	4		\$ 40				DOWN	I \$	(400)
Distribution and discussion of education material (developing education material). Business assistance program; technical resources to small businesses on BMPs; on-site	25	B	\$ -	5	1	4	\$ 40) {	2,000	\$ 400			
technical assistance or telephone and e-mail	25	E23b1A	s -	200	40	2	\$ 20) 9	40,000	\$ 8,000	DOWN	ı s	(2,000)
Distribution of SWPP educ. mats. to auto repair, car wash, moble, etc.	25	B	Ψ	50000	10000	0.005					DOWN		(5,000)
									-,				
PART 3 - INDUSTRIAL/COMMERCIAL FACILITIES PROGRAM	Enviro	nmental healt	n provides es	timates?									
Using local ordinances require implementation of poll. reduction at indus. and comm. Facilities;													
including inspection and tracking	25	E 3 1	\$ -	0			\$ -	9	· -	\$ -	Equa	I \$	-
Each Permittee will maintain a "watershed-based" inventory/database of all facilities within	000	F20-	•		0.0	400	£ 40.00		40.000	\$ 2.000	l l l		0.000
jurisdiction that are "critical sources" of SW pollution (CREATION/DESING/PROGRAMMING) Each Permittee will maintain a "watershed-based" inventory/database of all facilities within	26	E32a-c	\$ -	1	0.2	100	\$ 10,00) {	10,000	\$ 2,000	UP	\$	2,000
jurisdiction that are "critical sources" of SW pollution	26	E 3 2 d		5	1	60	\$ 6,00	0 9	30,000	\$ 6,000	LIE	\$	6,000
Inspect "critical sources" twice/5-yrs and implement the "activities" of following sections		2020			·		Ψ 0,00	<u> </u>		Φ 0,000	0.	1	- 0,000
including written inspection reports	26	E33a	\$ -	100	20	10	\$ 1,00	0 9	100,000	\$ 20,000	DOWN	\$	(312,000)
Inspect restaurants to make sure SW BMPs are effectively implemented in complianse w: state									,				
law, county ord, and municipal ord.	27	E33b	\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	
Inspect automotive service facilities	28	E33c	\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	-
Inspect RGOs:	29	E33d	\$ -	0			\$ -	9	; -	\$ -	Equa	1 \$	_
Inspect commercial nurseries and nursery centers	30	E33e	\$ -	0			\$ -	9		\$ -	Equa		-
·				0									
Inspect industrial facilities	-	(D 3 3 f 1 A)		0			\$ -	9		\$ -	Equa		-
Inspect industrial facilities	-	(D 3 3 f 1 B)		0			\$ -	9		\$ -	Equa		-
Ensure compliance of critial sources in Envt'l Sens. Areas and Impaired waters. (see 3 3 a)	31	E33f2	\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	-
Progressive enforcement: maintaining records for RB1	32	E33f3	\$ -	0			\$ -	9	; -	\$ -	Equa	1 \$	-
Interagency Coordination: referral of violator; letter, field, and admin	32	E 3 4 a-d	\$ -	20	4	10	\$ 1,00) 9	20,000	\$ 4,000	LIF	\$	4,000
moragonoy ocordination, rotorial of violator, lottor, nota, and admin	02	20444	•	20		10	Ψ 1,00		20,000	Ψ 1,000	0.	Ψ	-1,000
Provide copies of inspection reports to RB1	32	d	\$ -	5	1	10	\$ 1,00) 9	5,000	\$ 1,000	UP	\$	1,000
			\$ -	0							Equa	I \$	-
PART 4 PLANNING AND LAND DEVELOPMENT: applies to both public and private projects	00	F 4 4 0	\$ -	0			•			\$ -	Equa		
Items 1, 2, and 3 are general goals and already part of exiting work	33	E 4 1-3	\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	-
Numeric sizing criteria: for all structural treatment BMPs (only?? Does not apply to landscape	0.4	F 4 4					•			•	F		
based?) Entitlement process: must incorporate and clearly demonstrate into mini. & disc. process we	34	E 4 4	\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	-
considered SW quality impacts for any RAND process	35	E 4 5 a 1	\$ -	100	20	4	\$ 40) 9	40,000	\$ 8,000	DOWN	ı s	(2,000)
Entitlement process: must incorporate and clearly demonstrate into mini. & disc. process we	30						0				23111	Ť	
considered SW quality impacts for any RAND process	35	E45a2	\$ -	500	100	4	\$ 40) \$	200,000	\$ 40,000	UP	\$	40,000
E 6. RAND projects: defines imp. Surf. As reducing: 1) SW RO "capture", 2) treatment, and 3)					٦			\prod					
percolation			\$ -	0			\$ -	9	-	\$ -	Equa	1 \$	-
Post-const treatment controls req. on all projects >=1-AC impervious surface	36	E 4 6 a 1	\$ -	0			\$ -	9	-	\$ -	DOWN	\$	(10,000)
>= four houses	36	2	\$ -	0			\$ -	9	; -	\$ -	DOWN		(2,000)
Treatment controls on all industrial parks with >=10k-SF imperv. Surf.	36	3	\$ -	0			\$ -	9		\$ -	DOWN		(5,000)
Commercial strip malls w/ >= 10,000-SF impervious surface	36	4	\$ -	0			\$ -	9	-	\$ -	DOWN	I \$	(5,000)

RGOs with >= 10,000-SF impervious surf	36	5 \$		0			\$ -		\$ -	\$	-	DOWN	ıle	(1,000
Restaurants w/ "	36	6 \$	-	0			\$ -		\$ -	\$		DOWN		(1,000
Parking lots w/" or >=25-spaces	36	7 \$	-	0			\$ -		\$ -	\$		DOWN		(1,000
Streets, roads, highways, and freeway construction >=5,000-SF	36	8 \$	-	0			\$ -		\$ -			DOWN		(5,000
Automotive service facilities w/>=10,000-SF new imperv. Surf.	37	9 \$	-	0			\$ -		\$ -	\$		DOWN		(1,000
SFD hillside homes; cons. nat. areas, protect slopes & channnels,	37	9 \$	-	500	100	1		00	\$ 200,00				\$	28,000
	37	E46b \$	-	0	100	4		,,,		\$,	Equa		20,000
Redevelopment projects Projects in Envt'l sensitive areas: that Q to sensitive species or	31			-			Ψ		Ψ	_				
" create >= 2,500-SF of new impervious surface		\$	-	0			\$ -		\$ -	\$		Equa		-
, , , , , , , , , , , , , , , , , , , ,		\$	-	0			\$ -	_	\$ -	\$		Equa		-
Redevelopment projects that create or add >= 5,000-SF new imperv surf		\$	-	0			\$ -		\$ -	\$		Equa	_	=
Where redevelopment results in and alteration of >50% new impervious surf		\$	-	0			\$ -		\$ -	\$		Equa		-
Where redevelopment results in and alteration of <50% new impervious surf		\$	-	0			\$ -		\$ -	\$	-	Equa	I \$	-
												Equa	I \$	-
PART 5 NEW DEVELOPMENT/REDEVELOPMENT INTEGRATED WATER														
QUALITY/RESOURCE PLAN												Equa	I \$	-
Develop a plan for RB1 EO approval: RAND WQ and resource plan; LID manual, post const.														
treatment BMP choice criteria, and HMP mitigation plan. framework for prioritization including														
mapping. All reports below.	37	E 5 2 a 1		0			\$ -		\$ -	\$	-	Equa	l \$	-
Adopt a resolution or issue a guidance letter initiating SUSMP guidance to "formally prioritize"														
LID treatment BMPs for RAND, pub. and priv.	38	2		1	0.2	8	\$ 8	00	\$ 80	0 \$	160	DOWN	1 \$	(1,840
Develop a comprehensive LID guidance manual	38	3		1	0.2	500	\$ 50,0	00	\$ 50,00	0 \$	10,000	Equa	\$	-
Implement LID and train builders, designers, regulators, etc	38	4 A		12	2.4	4	\$ 4	00	\$ 4,80	0 \$	960	DOWN		(1,040
Research national and local LID efforts and pilot projects, case studies, provide materials	38	4 B		1	0.2	136	\$ 13,6	00	\$ 13,60	0 \$	2,720	UF	\$	1,720
Guidance on how to "integrate LID requirements into local"reg. prog	38	4 C		1	0.2		\$ 8,0			0 \$		DOWN		(400
Provide guidance on how to integrate LID at various proj scales	38	4 D		1	0.2		\$ 8,0			0 \$		DOWN		(400
Make LID guidance manual available		(D 5 3 c 5)					\$ -		\$ -	-		Equa		-
Provide guidance on the relationship between LID strategies	38	4 E		1	0.2	40	\$ 4,0			0 \$		DOWN		(1,200
"ensure" all SW RO meet RAND in Part 4 or HMP below	39	E 5 2 b 1		0			\$ -		\$ -	\$		Equa		- (.,
Document substitute BMPs on a project level	39	2		60	12	2		00	\$ 12,00				\$	2,400
Formalize priority of approval for post-const TC BMPS: choice methodology	39	3		1	0.2		\$ 4,0			0 \$		DOWN		(200
HYDROMODIFICATION (HM or HMP with P for plan):	33	0		0	0.2		\$ -		\$ -	\$		Equa		- (200
Develop a HMP with stakeholders; may include numerical models, etc.	40	E 5 2 c 1 C/D E 6 5	2 1-8	0			\$ -		Ψ	\$		DOWN		(20,000
(Develop watershed specific HM Control Plans)	70	(D 5 4 a 3 A)	410	0			\$ -		\$ -	\$		Equa		- (20,000
Develop interim HMP criteria: peak Q, vel, and duration; consider Vol	40	E		1	0.2	40	\$ 4,0	_	\$ 4,00			DOWN		(9,200
Bevelop menin riving chena. Peak Q, ver, and duration, consider vor	40	⊑			0.2	40	Ψ 4,0	,,,	Ψ 4,00	ψ	000	DOWN	ΨΨ	(3,200
PART 6 IMPLEMENTATION OF NEW DEVELOPMENT/REDEVELOPMENT POST-														
CONSTRUCTION BMPS		\$	_	0								Equa	1 \$	_
Maintenance agreement and transfer; develop	41	E 6 1		500	100	1	\$ 1	00	\$ 50.00	0 \$	10,000		\$	9,000
Tracking, inspection, and enforcement of post-construction BMPs, GIS	42	E 6 2 a		500	100			00	\$ 200,00				\$	20,000
Inspect all development sites upon completion	42	E 6 2 b		100	100			00	\$ 20,00			DOWN		(2,000
Develop criteria & procedures for post constr. repair, replacement, etc	42	E 6 2 c 1		6	1.2		\$ 10,0		\$ 60,00	_	,		\$	8,000
Inspect at least once/2-yrs post-construction BMPS	42	2		250	50			00	\$ 50,00				\$	2,000
Submit a plan to the RB1 EO for to require annual reporting by others	42	E 6 2 d		0	30		\$ -	_	\$ -	\$		DOWN		(4,000
Undertake "necessary enforcement based on the results on insp."	43	e E 6	2.2	0			\$ -		Ψ -	\$		DOWN		(10,000
Initiate enforcement actions to rectify failures to maintain BMPs	43		2 a	0			\$ -			\$		Equa		- (10,000
Regional or sub-r. alt post-construction SW mitigation programs	43	E64abc	Za	0			\$ -		\$ -	\$		Equa		
Mitigation funding: for regional or sub-regional alternative post-const	43	E6d-h		0			\$ -		\$ -	\$		Equa		
Develop technical guidance and information to update SUSMP	43	E 6 5 a 1-8		1	0.2	1000	#####	##	\$ 100,00			Equa		
Project coordination to describe authority between municipalities	44	E 6 6		5	0.2		\$ 2,0		\$ 100,00			Equa		
Project coordination to describe authority between municipalities	44	E00		0	- 1	20	φ 2,0	,0	φ 10,00	iO \$	2,000	Equa		
PART 7 STATE STATUE CONFORMITY										_				
Alter county CEQA process adding procedures that address SW quality (REDUNDANT????)	44	E 710		100	20	- 1	\$ 1	20	¢ 10.00	0 6	2,000	Equa DOWN		(8,000
		E71a		100					\$ 10,00					
Alter county General Plan to address SW quality and quantity	44	E 7 2 a		1	0.2	100	\$ 10,0)0	\$ 10,00	10 \$	2,000		\$	1,800
				0								Equa		-
PART 8 DEVELOPMENT CONSTRUCTION PROG: pub and priv				0								Equa	1 \$	-
Implement a grading program during the wet season that ensures no grading occurs on hillsides														
with a slope of 20% or steeper	45	E 8 2 a		250	50			00	\$ 50,00	_			\$	6,000
Enforcement of halting grading on hillsides	46	E 8 2 b		250	50			00	\$ 50,00				\$	8,000
Grading prohibition variance: develop procedure and forms	46	E82c		250	50			00	\$ 50,00				\$	6,000
Require a monitoring program for variances	46	E 8 2 d		250	50	4		00	\$ 100,00				\$	17,000
Const. sites <1-AC: need BMPS: seems informational and already do	46	E83 \$	-	0			\$ -	_	\$ -	\$		Equa		-
Const. sites >1-AC: need BMPS: seems informational and already do	47	E84 \$	-				\$ -		\$ -	- +		Equa		-
Require an erosion control plan grading projects >5-AC	48	E85 \$	-	0			\$ -		\$ -	\$	-	DOWN		(1,600
(Roadway paving and repaving for both public and private projects) Electronic tracking system for GRDs, ENCs, DEMs, BLDs	76 49	D87a1 \$ E86 \$	-	0			\$ - \$ -		\$ - \$ -	\$ \$		Equa DOWN		(3,200

For >=1-AC: review ECP and inspect site 1X min. prior to wet and 1X min. during wet season	49	E 8 7 a 1 &2	\$	-	150	30	4 \$	400	\$	60,000	\$ 12,000	UP \$	8,000
Take additional enforcement steps	49	E87b	\$	-	75	15	2 \$			15,000			1,800
Refer sites to RB1 when vios of CA Gen. Const. or small LUP permits	49	C	\$	-	75	15	0.5 \$	50	\$	3,750	\$ 750	UP \$	30
Write inspection report with referral to RB1	50	E 8 7 d	\$	-	75	15	0 \$	-	\$	-	\$ -	DOWN \$	(480)
Letter of Compliance prior to Occupancy	50	E87e	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
State conformity requirements: need to verify NOI of non-filers during precon	50	E88ab	\$	-	0		\$	-	\$	-	\$ -	DOWN \$	(1,000)
Interagency Coordination: assist RB1 in enforcement	50	E89			75	15	0.5 \$	50	\$	3,750	\$ 750	DOWN \$	(1,650)
			\$	-	0							Equal \$	-
PART 9 PUBLIC AGENCY ACTIVITIES PROGRAM			\$	-	0							Equal \$	-
Public Agency Activity Program	51	E 9 1	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
(Public construction activites management; including coverage under NOI for CIP)	80	(D 9 2)	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
Vehicle maintenance storage	51	E 9 2 a	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
Obtain coverage under the state general constr permit for long-term maintenance including													
flood control channels, street replacements, etc.	53	E 9 2 b	\$	-	0		\$		\$	-	\$ -	Equal \$	-
FishNet4C: implement for road maintenance using BMPs	54	E 9 3	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Roadway paving and repaving: use BMPS	54	4	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Streets and roads: maintenance; 6X/yr in commercial & high trash	54	5 a 1	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Streets and roads: maint/sweeping:curbed streets Ided in SWMP 4x/yr	54	5 a 2	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Road construction: inlet protection, dewatering, etc.	55	5 b	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Post-const controls: pothole repairs and patches do not need BMPs	55	5 c	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Protect debris and stockpiles from rain or wind with cover or BMPs	55	6	\$	•	0		\$		\$		\$ -	Equal \$	
Vehicle and equipment wash area; self contain, haul off, etc.	55	E 9 7 a	\$	•	0		\$		\$		\$ -	Equal \$	-
Landscape, park, and recreational management: pest management	55	E 9 8 a	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Comply with monitoring provisions, ensure all staff are certified for pest.	55	a	\$	-	0		\$		\$	-	\$ -	Equal \$	
NEED TPW ESTIMATES FOR THE FOLLOWING IN PART 9			\$	-	0		\$		\$	-	\$ -	Equal \$	-
Catch basin priority designation and cleaning; 4x/yr and if 25% full	85	D96a	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Buy two new sweeper trucks	-	D96	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Managing trash at public events	85	D96b	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Install trash receptacles at all transit stops in comm areas, ed inst, etc.	85	D96c	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Catch basin labels: inspect before rainy season; restencil	85	D96d	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Trash exlcuders: comm areas, ed instit,	86	D96e	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
Storm drain maintenance: inspect open channels annually, remove debris annually, eliminate		5001	_						_		•		
pollutant Q during MS4 maintenance, quantify the amt of material removed	86	D 9 6 f	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Spill response plan:	86	D96g	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
Permittee treatment control BMPs inspection and maintenance: including post-constuction		D 0 0 1	_						_		•		
BMPs including disposal of residual water	86	D96h	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Street and road maintenance: street sweep all curbs 2X/month	87	D97a	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Road construction and reconstruction:	87 87	D97b	\$	-	0		\$		\$	•	\$ -	Equal \$	-
CIP coverage		D98a	\$	-	0				\$	•	\$ -	Equal \$	-
Public industrial activities management: POTW coverage	88	D99a	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Emergency procedures: need to send a statement to RB1	88	D 9 10	\$	-	0		\$		\$	-	\$ -	Equal \$	-
Municipal employee & contractor training, annually, targeted employee	88	D 9 11 a	\$	-	0		\$	-	\$	-	\$ -	Equal \$	-
DADT 40 II LIGIT CONNECTIONS & II LIGIT DISCUADOS SUM DOC			\$	-	0							Equal \$	-
PART 10 ILLICIT CONNECTIONS & ILLICIT DISCHARGE ELIM PROG	00	E 40.4	\$	-	0	40	0 0	000	•	40.000	¢ 0.000	Equal \$	
Eliminate, document, track, and report all illicit discharge Map or document all permitted connections to storm drain!! Maintain a database for IC/ID,	60	E 10 1			60	12	8 \$	800	\$	48,000	\$ 9,600	UP \$	5,600
provide summary of illicit discharge, and report to RB1 in AR. County assumes only MS4s will	00	F 40 0	•		500	400	0 0	200	•	400.000	¢ 20.000	DOM/NI C	(00,000)
Public reporting: phone line and internet site to receive all reports	60 60	E 10 2 E 10 3	\$	-	500	100 0.2	2 \$	200 1,000	\$	1,000			
Field screening of all storm drains outfalls >= dia.36-in; high priority; and 50 yrs or older	61	E 10 4 a	\$			0.2				4,000			800
	90	(D 10 4 a 2)		-	0	0.2	40 \$ \$	4,000	\$	4,000	\$ -		-
(Field screening of storm drain systems) Response to illicit connections: investigate, terminate, and document	61	E 10 4 b	\$		60	12	8 \$		\$	48.000		Equal \$	5,600
	61				60	12	4 \$		\$	-,			3,800
Illicit discharges investigation and document in AR	01	E 10 5	\$	-	0	12	4 5	400	Ф	24,000	\$ 4,800	Equal \$	3,800
PART 11 REPORTING PROGRAM		+			0			+	-			Equal \$	-
(Create a "working group" to develop an elec. reporting prog/form)	91	(D 11 1)	\$	-	0	-	\$	-	•	-	\$ -	Equal \$	-
Submit an annual report	62		\$	-	5	1				150,000			(2,000)
Include plans, study reports, etc. to aid in assessing SW program	62	E 11 1 b			0		\$		\$	-	\$ -	DOWN \$	
moldad plants, stady reports, etc. to did in assessing over program	02	21110	Ψ		- 3		Ψ		Ψ		Ψ -	DOWN \$	(0,000)
Totals for E. SPECIAL PROVISIONS											sub-total	\$ 534,480	
Totalo for El of Edize i Novidiono											oub total	\$ 004,400	
TOTAL ESTIMATED 5-YR NEW COSTS												\$ 761,180 \$	(297,720)
												· · · · · · · · · · · · · · · · · · ·	, , , , - 3/
									Div	Units =	17980	\$ 42.33 per Div Unit	
NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Pro	ogram I	No. R1-2008-0	106 N	IPDES	NO. CA 002	5054							
It is assumed the SCWA will provide all estimated costs for monitoring during the next 5-yrs	ĺ								Div	Unit = Ho	useholds + "Con	nmercial" Use Parcels	
			•										

Review of Ver 2 draft MS4 permit from RB1 to Permitees	EXIST	ING BOUND	ARY MARK	WEST CR	EEK WAT	ERSHED							
This is a 62-pg permit with a 63-pg. fact sheet, and a 7-pg. monitoring program	PRMD	only costs	REVISED	8-27-09									
The area reduction is six fold yet estimate 40% of the takes place in the MWCr. WS; so use county	wide *0.4	=boundary if	applicable										
Work item A. DISCHARGE PROHIBITIONS	Pg#	Section	Lump Sur		Over 1 Years	Hours		5 yr Cost	Annual Costs	Totals	Revised Cost	Annu	
Plan to categorize non-SW discharges and BMPs	10	A 5 a	\$ 40,00)			\$,			Equal		
Public education & outreach on infiltration for SW allowed to enter MS4s	10	A 5 b	\$ -		5 1.2		5,000	\$ 			Equal		
Plan shall be formally noticed	10	A 5 c	\$ -	•) ^	1	\$ 100	\$ 500	\$ 100		Equal	\$	
Totals for A. DISCHARGE PROHIBITIONS									sub-total	\$ 14,100			
B. RECEIVING WATER LIMITATIONS Notify RB1 when exceedances of water quality standard or water quality objectives and submit a Receiving Water Limitations (RWL) Compliance Report for each occurrence.	16	B3a	\$ -	10	0 2	2 10) \$ 1,000	\$ 10,000	\$ 2,000		Equal	\$	
Modifications to the RWL report	16	В3е	\$ -	(3 1.2		5 \$ 500	\$	\$ 600		Equal		-
Totals for B. RECEIVING WATER LIMITATIONS									sub-total	\$ 2,600			
C. LAGUNA TMDL: monitoring program calls for Nitrogen attainment annually at 4 sites Wait for response from Steve Brady at city													
Totals for C. LAGUNA TMDL: monitoring program calls for Nitrogen attainment annually at	4												
D. STORM WATER QUAL MANAGEMENT PROGRAM IMPLEMENTATION													
Part 1: Gen. req., responsible for program coordination	17	D11	\$ -	;	5 ′	1800) ######	\$ 900,000	\$ 180,000		Equal	\$	
Part 2: legal authority; low threat discharge added as item 7	18	D21b7	\$ -				\$ -	\$ -	\$ -		DOWN		(10,000)
Part 2: legal authority; discharge from onsite wastewater systems added as item 14	18	D 2 1 b 14					\$ -	\$ -	\$ -		DOWN	·	(5,000)
Part 2: update of legal authority	19	D 2 3	\$ -		1 0.2	2 80	\$ 8,000	\$ 8,000	\$ 1,600		UP	\$	600
Part 3: fiscal resources with an annual budget summary for prior year and upcoming year (re-tool accounting)	20	D31a	\$ -		1 0.2	100	\$ 10,000	\$ 10,000	\$ 2,000		DOWN	\$	(6,000)
work)		D31a	\$ -		5 2		5 \$ 1,600				UP		1,600
Part 4: Modifications/revisions to county SWMP to RB1	20	D 4 1&2	\$ -		5 1		\$ 4,000	\$			UP		3,000
Part 5: Responsibility of Co-Perms: intra-agency coord (Fire Dept,RP,	21	D 5 1 b	\$ -	500	100		\$ 100	\$			Equal		-
report any supplemental "dedicated budgets"	21	D 5 1 c	\$ -	!	5 6		\$ 1,000	\$ 			Equal		
participate in Environmental Crimes Task Force "when possible"	21	D 5 1 d	\$ -	2:	5 !		2 \$ 200	\$			Equal		-
"Provide technical and administrative support for committees that will be organized to								·					
implement this Order and it's requierments." OPEN ENDED	21	D 5 1 e	\$ -	60) 12		\$ 400	\$,		DOWN	-	(5,200)
"Evaluate, assess, and synthesize monitoring results and BMP eff"	21	D 5 1 f	\$ -	;	5 1	40	\$ 4,000	\$ 20,000			DOWN		(6,000)
Annual reports: see cost in Part 11; redundant here	21	D 5 1 g	\$ -				\$ -	\$ -	\$ -		Equal	\$	
Totals for D. STORM WATER QUAL MANAGEMENT PROGRAM IMPLEMENTATION									sub-total	\$ 210,000			
E. SPECIAL PROVISIONS													
PART 1 - GENERAL REQUIREMENTS: notification of BMP substitution	21	E 1 3-4			5 ′	40	\$ 4,000	\$ 20,000	\$ 4,000		DOWN	\$	(1,000)
PART 2 - PUBLIC INFORMATION AND PARTICIPATION PROG PIPP: develop and implement, coordinate with SRJC and SSU	22	E 2 1											
To measurably increase knowledge about MS4s	22	E 2 1 a	\$ 40,00	0			\$ -	\$ 40,000	\$ 8,000		Equal	\$	
					_							_	

	1	-	A 10	222				•	•	40.000	Φ 0000		•
To measurably change behavior about MS4s		E 2 1 b	\$ 40,	,000				\$ -	\$	40,000		Equal	
To involve and engage communities to participate in improving WQ		E 21 c	\$	-	20	4	20	\$ 2,000	\$	40,000	\$ 8,000	Equal	\$ -
Regularly (annually) review PIPP, one CoPermittee meeting/yr min.		E 2 1 d	\$	-	5	1	30	\$ 3,000	\$	15,000	\$ 3,000	Equal	\$ -
Label all storm drains in MS4s	22	E 2 2 a 1	\$	-				\$ -	\$	-	\$ -	Equal	\$ -
Public recording: update contact info: illicit Q, clogged drains; at web,	23	E 2 2 b 1	\$ 5.	,000	0			\$ -	\$	5,000	\$ 1,000	Equal	\$ -
Conduct a SW pollution prevention advertising "campaign"	23	E 2 2 c 1 A		,000	0			\$ -	\$	20,000		Equal	
Conduct a SW pollution prevention public service announcement	23	E 2 2 c 1 B		,000	0			\$ -	\$	20,000		Equal	
Distrubute SWPP materials to: SFD, automotive, pet shops, etc.	23	C	\$	-	200	40	1	\$ 100	\$	20,000		Equal	
Work with existing or organize watershed Cit. Advis. Groups/Committees to educate the public	23	E			30	6		\$ 200	\$	6,000		DOWN	. ,
Organize (or participate in) events targeted to residents	23	F			20	4	10	\$ 1,000	\$	20,000		UP	. ,
Educate Spanish communities through cultural methods	23	E 2 2 c 2	\$ 20,	,000	0			\$ -	\$	20,000		Equal	
Lawn care and water conservation outreach program	24	3	\$	-	16600	3320	0.02		\$	33,200		UP	· /
Conduct educational activities and particpate in countywide events	24	4	\$	-	5	1	40	\$ 4,000	\$	20,000	\$ 4,000	Equal	\$ -
Min. of 25% "impressions" of perm. pop. related to SW quality, with a min. of 15% via													
newspapers, local TV, local radio, or internet	24	5			62250	12450	0.02	\$ 2	\$	124,500	\$ 24,900	UP	\$ 4,900
Provide all county school districts w/materials (video, live presentations, etc.) to educated 40%													
of all K-12 every 2-yrs	24	6	\$	-	16	3.2		\$ 4,000	\$	64,000		UP	· · · · · · · · · · · · · · · · · · ·
Develop and implement a strategy to measure effectiveness of in-school programs	24	7	\$	-	2	0.4	40	\$ 4,000	\$	8,000		DOWN	. , ,
Develop and implement a behavioral change assessment strategy of PIPP	24	8	\$ 100,		0			\$ -	\$			Equal	
Coordinate and develop outreach programs for watershed specific pollutants	24	E 2 2 d	\$ 50,	,000	0			\$ -	\$	50,000	\$ 10,000	Equal	\$ -
Develop and implement a Corporate Outreach education program. For managers of min. 4													
RGO frachisees and cover a min of 80% of county RGO franchises, four autoparts franchises,		-							_		•		•
etc.	24	E 2 3 a 1	\$	-	0			\$ -	\$	-	\$ -	Equal	\$ -
Meetings and distribution of educational materials to Corporate outreach for all home	0.5		c		00	4	4	ф 400	Φ.	0.000	ф 4.000	DOMAN	Φ (400
improvement centers, mobile businesses, and restaurant chains	25	A	\$	-	20 5	4	4	\$ 400 \$ 400	\$	8,000		DOWN	\$ (400
Distribution and discussion of education material (developing education material).	25	B	\$	-	5	1	4	\$ 400	\$	2,000	\$ 400		
Business assistance program; technical resources to small businesses on BMPs; on-site technical assistance or telephone and e-mail	25	E 2 3 b 1 A	¢.		200	40	2	\$ 200	¢.	40.000	\$ 8,000	DOWN	¢ (2.000
Distribution of SWPP educ. mats. to auto repair, car wash, moble, etc.	25 25	B	Φ	-	50000	10000	0.005		\$ \$	40,000 25,000		DOWN	. ,
Distribution of OWLL educ. mais: to auto repair, car wash, mobie, etc.	23	Б			30000	10000	0.003	ψ 0.50	Ψ	23,000	Ψ 3,000	DOWN	ψ (3,000
PART 3 - INDUSTRIAL/COMMERCIAL FACILITIES PROGRAM	Enviro	nmental healtl	h provide	es estin	nates?								
Using local ordinances require implementation of poll. reduction at indus. and comm. Facilities;			1										
including inspection and tracking	25	E 3 1	\$	_	0			\$ -	\$	_	\$ -	Equal	\$ -
Each Permittee will maintain a "watershed-based" inventory/database of all facilities within			*					· ·	-		·		
jurisdiction that are "critical sources" of SW pollution (CREATION/DESING/PROGRAMMING)	26	E32a-c	\$	-	1	0.2	100	\$ 10,000	\$	10,000	\$ 2,000	UP	\$ 2,000
Each Permittee will maintain a "watershed-based" inventory/database of all facilities within										,	,		· · · · · · · · · · · · · · · · · · ·
jurisdiction that are "critical sources" of SW pollution	26	E 3 2 d			5	1	60	\$ 6,000	\$	30,000	\$ 6,000	UP	\$ 6,000
Inspect "critical sources" twice/5-yrs and implement the "activities" of following sections													
including written inspection reports	26	E33a	\$	-	100	20	10	\$ 1,000	\$	100,000	\$ 20,000	DOWN	\$ (312,000
Inspect restaurants to make sure SW BMPs are effectively implemented in complianse w: state								. ,		,,	,		. , ,
law, county ord, and municipal ord.	27	E33b	\$	-	0			\$ -	\$	-	\$ -	Equal	\$ -
Inspect automotive service facilities	28	E33c	\$	_	0			\$ -	\$	_	\$ -	Equal	
Inspect RGOs:	+	E 3 3 d	Φ		0			\$ -	-			·	
-	29		\$	-	0			-	\$	-	\$ -	Equal	
Inspect commercial nurseries and nursery centers	30	E 3 3 e	\$	-	U			\$ -	\$	-	\$ -	Equal	
Inspect industrial facilities	-	(D 3 3 f 1 A)	\$	-	0			\$ -	\$	-	\$ -	Equal	\$ -
Inspect industrial facilities	-	(D 3 3 f 1 B)	\$	-	0			\$ -	\$	-	\$ -	Equal	\$ -
Ensure compliance of critial sources in Envt'l Sens. Areas and Impaired waters. (see 3 3 a)	31	E33f2	\$	-	0			\$ -	\$	-	\$ -	Equal	\$ -
Progressive enforcement: maintaining records for RB1	32	E33f3	\$	-	0			\$ -	\$	-	\$ -	Equal	\$ -
Ţ.					00	4	40	6 4.000		20.000			
Interagency Coordination: referral of violator; letter, field, and admin	32	E 3 4 a-d	\$	-	20	4	10	\$ 1,000	\$	20,000	\$ 4,000	UP	\$ 4,000
Provide copies of inspection reports to RB1	32	d	\$	_	5	1	10	\$ 1,000	\$	5,000	\$ 1,000	UP	\$ 1,000
	52	u	\$	_	0	-	10	Ψ 1,000	Ψ	0,000	ψ 1,000	Equal	. ,
			Ψ		J							Lquai	٣

PART 4 PLANNING AND LAND DEVELOPMENT: applies to both public and private projects	20	F 4 4 0	\$ -	0			œ.		¢	<u> </u>	Equal		
Items 1, 2, and 3 are general goals and already part of exiting work	33	E 4 1-3	\$ -	0			\$ -		\$ -	\$ -	Equal	ð	
Numeric sizing criteria: for all structural treatment BMPs (only?? Does not apply to landscape													
based?)	34	E 4 4	\$ -	0			\$ -		\$ -	\$ -	Equal	\$	-
Entitlement process: must incorporate and clearly demonstrate into mini. & disc. process we													
considered SW quality impacts for any RAND process	35	E 4 5 a 1	\$ -	100	20	4	\$ 40	0	\$ 40,000	\$ 8,000	DOWN	\$ ((2,000)
Entitlement process: must incorporate and clearly demonstrate into mini. & disc. process we													
considered SW quality impacts for any RAND process	35	E 4 5 a 2	\$ -	500	100	4	\$ 40	0	\$ 200,000	\$ 40,000	UP	\$ 4	10,000
E 6. RAND projects: defines imp. Surf. As reducing: 1) SW RO "capture", 2) treatment, and 3)													
percolation			\$ -	0			\$ -		\$ -	\$ -	Equal	\$	-
Post-const treatment controls req. on all projects >=1-AC impervious surface	36	E 4 6 a 1	\$ -	0			\$ -		\$ -	\$ -	DOWN		0,000
· · · · · · · · · · · · · · · · · · ·	36		Φ -	0			\$ -		\$ -	\$ -	DOWN		
>= four houses		2	Ф -						·	•		. ,	(2,000
Treatment controls on all industrial parks with >=10k-SF imperv. Surf.	36	3	\$ -	0			\$ -		\$ -	\$ -	DOWN	. ,	(5,000
Commercial strip malls w/ >= 10,000-SF impervious surface	36	4	\$ -	0			\$ -		\$ -	\$ -	DOWN	. ,	(5,000
RGOs with >= 10,000-SF impervious surf	36	5	\$ -	0			\$ -		\$ -	\$ -	DOWN		(1,000
Restaurants w/ "	36	6	\$ -	0			\$ -		\$ -	\$ -	DOWN		(1,000
Parking lots w/" or >=25-spaces	36	7	\$ -	0			\$ -		\$ -	\$ -	DOWN		(1,000
Streets, roads, highways, and freeway construction >=5,000-SF	36	8	\$ -	0			\$ -		\$ -	\$ -	DOWN		(5,000)
Automotive service facilities w/>=10,000-SF new imperv. Surf.	37	9	\$ -	0			\$ -		\$ -	\$ -	DOWN	. ,	(1,000
SFD hillside homes; cons. nat. areas, protect slopes & channnels,	37	10	\$ -	500	100	4	\$ 40	0	\$ 200,000	\$ 40,000	UP		28,000
Redevelopment projects	37	E 46b	\$ -	0			\$ -		+	\$ -	Equal	\$	-
Projects in Envt'l sensitive areas: that Q to sensitive species or			\$ -	0			\$ -		\$ -	\$ -	Equal	\$	-
" create >= 2,500-SF of new impervious surface			\$ -	0			\$ -		\$ -	\$ -	Equal		-
Redevelopment projects that create or add >= 5,000-SF new imperv surf			\$ -	0			\$ -		\$ -	\$ -	Equal		_
Where redevelopment results in and alteration of >50% new impervious surf			¢ _	0			\$ -		\$ -	\$ -	Equal		
<u>'</u>			ψ -	0					т	\$ -			<u> </u>
Where redevelopment results in and alteration of <50% new impervious surf			D -	U			\$ -		\$ -	5 -	Equal Equal		
PART 5 NEW DEVELOPMENT/REDEVELOPMENT INTEGRATED WATER QUALITY/RESOURCE PLAN Develop a plan for RB1 EO approval: RAND WQ and resource plan; LID manual, post const.											Equal	\$	-
treatment BMP choice criteria, and HMP mitigation plan. framework for prioritization including													
mapping. All reports below.	37	E 5 2 a 1		0			\$ -		\$ -	\$ -	Equal	\$	-
Adopt a resolution or issue a guidance letter initiating SUSMP guidance to "formally prioritize"													
LID treatment BMPs for RAND, pub. and priv.	38	2		1	0.2	8	\$ 80	0	\$ 800	\$ 160	DOWN	\$ ((1,840
Develop a comprehensive LID guidance manual	38	3		1	0.2	500	\$ 50,00	0	\$ 50,000	\$ 10,000	Equal	\$	-
Implement LID and train builders, designers, regulators, etc	38	4 A		12	2.4	4	\$ 40	0	\$ 4,800	\$ 960	DOWN	\$ ((1,040
Research national and local LID efforts and pilot projects, case studies, provide materials	38	4 B		1	0.2	136	\$ 13,60	0	\$ 13,600	\$ 2,720	UP	\$	1,720
Guidance on how to "integrate LID requirements into local"reg. prog	38	4 C		1	0.2		\$ 8,00		\$ 8,000		DOWN		(400
Provide guidance on how to integrate LID at various proj scales	38	4 D		1	0.2		\$ 8,00		\$ 8,000		DOWN		(400
Make LID guidance manual available		(D 5 3 c 5)					\$ -		\$ -	\$ -	Equal	\$	
Provide guidance on the relationship between LID strategies	38	4 E		1	0.2	40	\$ 4,00	0	\$ 4,000	•	DOWN		(1,200
"ensure" all SW RO meet RAND in Part 4 or HMP below	39	E 5 2 b 1		0	0.2		\$ -		\$ -	\$ -	Equal	,	-,
Document substitute BMPs on a project level	39	2		60	12	2	\$ 20	0	\$ 12,000		UP		2,400
Formalize priority of approval for post-const TC BMPS: choice methodology	39	3		1	0.2		\$ 4,00		\$ 4,000		DOWN		(200
HYDROMODIFICATION (HM or HMP with P for plan):	33	5		0		70	\$ -	0	\$ -	\$ -	Equal		(200
Develop a HMP with stakeholders; may include numerical models, etc.	40	E 5 2 c 1 C/D	E 6 5 0 1 9	0			\$ -		Ψ -	\$ -	DOWN		20,000
(Develop watershed specific HM Control Plans)	40			0			\$ -		\$ -	\$ -			0,000
Develop interim HMP criteria: peak Q, vel, and duration; consider Vol	40	(D 5 4 a 3 A) E		1	0.2	40	\$ 4,00		\$ 4,000		Equal DOWN		- (9,200
PART 6 IMPLEMENTATION OF NEW DEVELOPMENT/REDEVELOPMENT POST-	40	⊑	\$ -	0	0.2	40	\$ 4,00		4,000	\$ 800	Equal	•	-
Maintenance agreement and transfer; develop	41	E 6 1	*	500	100	1	\$ 10	0	\$ 50,000	\$ 10,000	UP		9,000
Tracking, inspection, and enforcement of post-construction BMPs, GIS	42	E 6 2 a		500	100		\$ 40		\$ 200,000		UP	•	20,000
Inspect all development sites upon completion	42	E 6 2 b		100			\$ 20		\$ 200,000		DOWN	•	(2,000
Develop criteria & procedures for post constr. repair, replacement, etc		E 6 2 c 1		6	1.2		\$ 10,00		\$ 20,000		UP	,	
	42												8,000
Inspect at least once/2-yrs post-construction BMPS	42	2		250	50	2	\$ 20	U	\$ 50,000	\$ 10,000	UP	Ф	2,00

DOWN \$ DOWN \$ Equal \$ UP	(4,000) (10,000) - - - - (8,000) 1,800 - - 6,000 8,000 6,000
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BMPs including disposal of residual water 86													
Street and road maintenance: street sweep all curbs 2X/month	Permittee treatment control BMPs inspection and maintenance: including post-constuction												
Road construction and reconstruction:				-	-	0		7		-			-
Circle coverage	·	87		т	-	0		\$ -	т .	-	•		-
Public industrial activities management. POTW coverage 88 D.9.9 a \$ - 0 \$ - \$ - \$ - Equal \$ - Emergency procedures: need to send a statement to RB1 88 D.9.10 \$ - 0 \$ - \$ - \$ - \$ - Equal \$ - \$ - \$ - \$ - Equal \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	Road construction and reconstruction:	87	D97b	\$	-	0		\$ -	\$	-	-		-
Emergency procedures: need to send a statement to RB1 88 D 9 10 \$ - 0 \$ - \$ \$ - \$ Equal \$ - Municipal employee & contractor training, annually, targeted employee 88 D 9 11 a \$ - 0 \$ - \$ - \$ - \$ Equal \$ - \$ - \$ - 0 \$ - \$ \$ - \$ \$ Equal \$ - \$ - \$ \$ - \$ \$ - \$ \$		87	D98a	\$	-	0		\$ -	\$	-	-		-
Municipal employee & contractor training, annually, targeted employee 88 D 9 11 a \$ - 0 \$ - \$ - \$ - \$ Equal \$ - \$ PART 10 ILLICIT CONNECTIONS & ILLICIT DISCHARGE ELIM PROG Equal \$ - 0		88	D99a	\$	-	0		\$ -	\$	•		Equal \$	
PART 10 LLICIT CONNECTIONS & LLICIT DISCHARGE ELIM PROG \$ - 0 Equal \$ - 0	Emergency procedures: need to send a statement to RB1	88	D 9 10	\$	-	0		\$ -	\$	•	\$ -	Equal \$	-
PART 10 ILLICIT CONNECTIONS & ILLICIT DISCHARGE ELIM PROG Eliminate, document, track, and report all illicit discharge 60	Municipal employee & contractor training, annually, targeted employee	88	D 9 11 a	\$	-	0		\$ -	\$		\$ -	Equal \$	1
Eliminate, document, track, and report all illicit discharage Map or document all permitted connections to storm drain!! Maintain a database for IC/ID, provide summary of illicit discharage, and report to RB1 in AR. County assumes only MS4s will 60 E 10 2 \$ - 500 100 2 \$ 200 \$ 100,000 \$ 20,000 DOWN \$ (20,00) Public reporting; phone line and internet site to receive all reports 60 E 10 3 \$ - 1 0.2 10 \$ 1,000 \$ 200 DOWN \$ (6.8) Field screening of all storm drains outsides year dia.36-in; high priority; and 50 yrs or older 61 E 10 4 a \$ - 1 0.2 40 \$ 4,000 \$ 4,000 \$ 800 UP \$ 8 8 (Field screening of storm drain systems) 62 E 10 1 8 \$ 800 \$ 48,000 \$ 9,600 UP \$ 3.8 (8.8) (9.10 to 10				\$	-	0						Equal \$	-
Map or document all permitted connections to storm drain!! Maintain a database for IC/ID, provide summary of illicit discharge, and report to RB1 in AR. County assumes only MS4s will 60	PART 10 ILLICIT CONNECTIONS & ILLICIT DISCHARGE ELIM PROG			\$	-	0						Equal \$	-
provide summary of illicit discharge, and report to RB1 in AR. County assumes only MS4s will 60 E 10 2 \$ - 500 100 2 \$ 200 \$ 100,000 \$ 20,000 DOWN \$ (20,000 Public reporting: phone line and internet site to receive all reports 60 E 10 3 \$ - 1 0.2 10 \$ 1,000 \$ 1,000 \$ 200 DOWN \$ (6.8 E 10 4 S - 1 0.2 40 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000 \$ 8,000 \$ 4,000		60	E 10 1			60	12	8 \$ 800	\$	48,000	\$ 9,600	UP \$	5,600
Public reporting: phone line and internet site to receive all reports 60 E 10 3 \$ -	Map or document all permitted connections to storm drain!! Maintain a database for IC/ID,												
Field screening of all storm drains outfalls >= dia.36-in; high priority; and 50 yrs or older 61 E 10 4 a \$ - 1 0.2 40 \$ 4,000 \$ 4,000 \$ 800 UP \$ 8 (Field screening of storm drain systems) 90 (D 10 4 a 2) \$ - 0 \$ \$ - \$ - Equal \$ - \$ Response to illicit cronnections: investigate, terminate, and document 61 E 10 4 b \$ - 60 12 8 \$ 800 \$ 48,000 \$ 9,600 UP \$ 5,6 Illicit discharges investigation and document in AR 61 E 10 5 \$ - 60 12 4 \$ 400 \$ 24,000 \$ 4,800 UP \$ 3,8 UP \$	provide summary of illicit discharge, and report to RB1 in AR. County assumes only MS4s will	60	E 10 2	\$	-	500	100	2 \$ 200	\$	100,000	\$ 20,000	DOWN \$	(20,000)
(Field screening of storm drain systems)	Public reporting: phone line and internet site to receive all reports	60	E 10 3	\$	-	1	0.2	10 \$ 1,000	\$	1,000	\$ 200	DOWN \$	(6,800)
Response to illicit connections: investigate, terminate, and document 61	Field screening of all storm drains outfalls >= dia.36-in; high priority; and 50 yrs or older	61	E 10 4 a	\$	-	1	0.2	40 \$ 4,000	\$	4,000	\$ 800	UP \$	800
Illicit discharges investigation and document in AR	(Field screening of storm drain systems)	90	(D 10 4 a 2)	\$	-	0		\$ -	\$	-	\$ -	Equal \$	-
PART 11 REPORTING PROGRAM	Response to illicit connections: investigate, terminate, and document	61	E 10 4 b	\$	-	60			\$	48,000	\$ 9,600	UP \$	5,600
PART 11 REPORTING PROGRAM	Illicit discharges investigation and document in AR	61	E 10 5	\$	-	60	12	4 \$ 400	\$	24,000	\$ 4,800	UP \$	3,800
Create a "working group" to develop an elec. reporting prog/form) 91 (D 11 1) \$ - 0 \$ - \$ - \$ - \$ Equal \$ - \$ Submit an annual report 62 E 11 1 a \$ - 5 1 300 \$ 30,000 \$ 150,000 \$ 30,000 \$ DOWN \$ (2,0)						0						Equal \$	-
Submit an annual report 62 E 11 1 a \$ - 5 1 300 \$ 30,000 \$ 150,000 \$ 30,000 DOWN \$ (2,0) Include plans, study reports, etc. to aid in assessing SW program 62 E 11 1 b \$ - 0 \$ - \$ - \$ - DOWN \$ (8,0) Totals for E. SPECIAL PROVISIONS TOTAL ESTIMATED 5-YR NEW COSTS Div Units = 17980 \$ 42.33 per Div Unit NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054	PART 11 REPORTING PROGRAM					0						Equal \$	-
Include plans, study reports, etc. to aid in assessing SW program 62 E 11 1 b \$ - 0 \$ - \$ - \$ - DOWN \$ (8,0) Totals for E. SPECIAL PROVISIONS Sub-total \$ 534,480 TOTAL ESTIMATED 5-YR NEW COSTS Div Units = 17980 \$ 42.33 per Div Unit NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054	(Create a "working group" to develop an elec. reporting prog/form)	91	(D 11 1)	\$	-	0		\$ -	\$	-	\$ -	Equal \$	-
Totals for E. SPECIAL PROVISIONS Sub-total \$ 534,480 TOTAL ESTIMATED 5-YR NEW COSTS Div Units = 17980 \$ 42.33 per Div Unit NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054	Submit an annual report	62	E 11 1 a	\$	-	5	1	300 \$ 30,000	\$	150,000	\$ 30,000	DOWN \$	(2,000)
TOTAL ESTIMATED 5-YR NEW COSTS \$ 761,180 \$ (297,7) Div Units = 17980 \$ 42.33 per Div Unit NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054	Include plans, study reports, etc. to aid in assessing SW program	62	E 11 1 b	\$	-	0		\$ -	\$	-	\$ -	DOWN \$	(8,000)
TOTAL ESTIMATED 5-YR NEW COSTS \$ 761,180 \$ (297,7) Div Units = 17980 \$ 42.33 per Div Unit NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054													
NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054	Totals for E. SPECIAL PROVISIONS										sub-total	\$ 534,480	
NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054													
NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054													
NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054	TOTAL ESTIMATED 5-YR NEW COSTS										;	\$ 761,180 \$	(297,720)
NOTE: costs do not include any monitoring costs associated with RB1 Monitoring and Reporting Program No. R1-2008-0106 NPDES NO. CA 0025054													
									Div	Units =	17980	42.33 per Div Unit	
It is assumed the SCWA will provide all estimated costs for monitoring during the payt 5-yrs		ogram l	No. R1-2008-0	106 N	IPDES	NO. CA 0025	054						
it is assumed the SOVVA will provide all estimated costs for mornitoring during the next 3-yrs	It is assumed the SCWA will provide all estimated costs for monitoring during the next 5-yrs								Div	Unit = Hou	useholds + "Comm	ercial" Use Parcels	

DRAFT - RP Maintenance Division* Estimated Additional C

Prepared by Corbin Johnson, Stormwater (

Draft MS4 Permit Version 2		RP)	
	(One Time		Annual
A. Discharge Prohibitions				
B. Receiving Water Limitations				
C. TMDL - Laguna				
D. Program Implementation				
Part 2-Legal Authority				
Part 3-Fiscal Resources				
Part 4 - Modifications	\$	387.86	\$	400.04
E. Special Provisions				
Part 1 - General Requirements				
Part 2 - Public Information	\$	4,377.54	\$	225.58
Part 3 - Industrial/Commercial				
Part 4 - Planning/Land	\$	3,267.20		1,715.28
Part 5 - New/Redevelopment	\$	6,896.48		1,041.12
Part 6 - Post-Construction BMPs	\$	653.44	\$	1,148.09
Part 7 - State Statute Conformity				
Part 8 - Construction Program			\$	306.18
Part 9 - Public Agency Activities	\$	16,141.56		26,625.88
Part 10 - Illicit	\$	39,328.96	\$	224.50
Total		\$71,053.04		\$31,686.67

Total Term Cost \$ 229,486.38 Ave Per Year \$ 45,897.28

DISCLAIMER: The costs listed above are estimates based on the current NPDES | Second Draft NPDES Permit provisions only applying to the area within the current additional costs incurred by the County developed "Pollution Prevention Plan." Sho boundaries or tasks, a new analysis and estimate will be required.

^{*} Maintenance Division cost estimates only reflect the additional costs of the propose modification of the Permit elements that may occur after review by the Co-Permitten not reflect the cost of the proposed County developed "Pollution Prevention Plan". I

^{**} Costs do not reflect annual increases in salaries and benefits.

osts** - 2nd Draft Permit - Current Boundary

Coordinator. July 31, 2009.

Storm Water Management Plan	RP	
	One Time	Annual
1. Legal Authority		
2. Private Construction		
3. Industrial/Commercial		
4. Municipal Operations	\$	- \$ -
5. Illicit Discharge Detection	\$	- \$ -
6. Public Education &	\$ 2,310.4	0 \$ -
7.1. Formal Evaluation	\$\$	- \$ -
7.2. Special Studies		
8. Fiscal Analysis	\$	- \$ -
9. Monitoring Plan		
10. Post-Development/SUSMP	\$	- \$ -
Total	\$2,310.4	0 \$0.00

SWMP Total Costs

\$0 Per Year \$2,310 One Time

Annual

Permit + SWMP Total Cost \$73,363.44 \$31,686.67

One Time

sed NPDES Second Draft Permit. Costs may be higher after any es and the NCRWQCB. Maintenance Division cost estimates do Maintenance Division activities are supported by the general fund.

permit boundaries remaining the same and the boundary. Above costs do not reflect any uld the County or NCRWQCB change the

Regional Parks - Current Boundary Draft Maintenance Div

				Program D:
			Projected T	ime Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
D. Pt 4	Submit detailed	OA II	16	per year
D. Pt 4	annual budget	NPDES Plan Tech	1	per year
	Modify stormwater	OA II	10	once
D. Pt 4	management	NPDES Plan Tech	4	once
	programs,	Environmental		

				Program E: P
			Projected 7	Time Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
	Public Information	NPDES Plan Tech		Already
E. Pt 2	and Participation	EDC Staff		accounted for in
	Install signs	OA II	6	once
E Dt 0	discouraging illegal	NPDES Plan Tech	2	once
E. Pt 2	dumping at public			per sign (assume
	access points to	NPDES PGMW II	3	15)
E. Pt 2	The Co-Permittees	Drain labels		
E. Pl 2	shall label 20	NPDES PGMW II	3	per year
E. Pt 2	Include contact information in outreach efforts. Update by July 1st of each year. Each Co-permittee is responsible for keeping current updated contact information in an easily accessible page on their websites. Pg 23	OA II		per year
E. Pt 2	Co-Permittees shall include contact	OA II NPDES Plan Tech		per year per year
		NPDES Plan Tech		once
E. Pt 2	to educate Spanish-	OA II		once
	speaking	EDC Staff		once
E. Pt 2	Develop and	NPDES Plan Tech		once
L. FlZ	implement a	EDC Staff		once
E. Pt 2	Permittees shall	NPDES Plan Tech		per year
L. I (Z	make a minimum	EDC Staff		per year
E. Pt 2	Provide schools	NPDES Plan Tech		EDC already
L. 1 (Z	with materials to	EDC Staff		covers RP's
	The Co-Permittees	OA II		once

E. Pt 2	shall develop and	NPDES Plan Tech	once
	implement a	EDC Staff	once
	The Co-Permittees	OA II	once
E. Pt 2	shall coordinate to	NPDES Plan Tech	once
	develop outreach	EDC Staff	once

				Program E: Pt 4 - F
			Projected T	ime Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
	Implement a	Environmental		
E. Pt 4	Planning and Land	Planning		
	Development	NPDES Plan Tech	80	once
	Employ numeric	Environmental		
E. Pt 4	sizing criteria for			per project
L. F14	structural treatment			(assume 3
	BMPs designed to	NPDES Plan Tech	4	projects/year)
E. Pt 4	•	Planning		
L. F14	entitlement process	Environmental		
	Implement post-	Planning		
	construction	Environmental		
E. Pt 4	treatment to			per project
	mitigate all project-			(assume 3
	related storm water	NPDES Plan Tech	10	projects/year)

				Program E: Pt
			Projected T	ime Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
E. Pt 5	All new	Planning		
L.Tt5	development and	Environmental		
	The Co-Permittees	NPDES PGMW II	8	once
E. Pt 5	shall develop a	NPDES Plan Tech	80	once
	comprehensive LID			
	Co-Permittees shall			per year
	facilitate			(integrated into
E. Pt 5	implementation of	NPDES Plan Tech	8	our staff training)
Litto	LID by providing			per year
	key industry,			(integrated into
	regulatory, and	NPDES PGMW II	8	our staff training)
E. Pt 5	Co-permittees shall	Planning		
L.Tt5	ensure that all	Environmental		
	All new	Planning		
	development and	Environmental		
E. Pt 5	redevelopment			per project
	projects in Part 4			(assume 3
	are to implement	NPDES Plan Tech	4	projects/year)
E. Pt 5	The Co-Permittees	NPDES Plan Tech	80	once
L. Pt 3	shall develop a	Environmental		

				Program E: Pt 6
			Projected 7	Time Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
E. Pt 6	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41			
E. Pt 6	Each permittee shall implement a tracking system, and an inspection and enforcement	NPDES Plan Tech Planner Plan Tech NPDES PGMW II		per project (assume 3 projects/year)
E. Pt 6	Inspect sites for proper installation of LID measures, structural BMPs, treatment control BMPs and hydromodification BMPs. Must be	Planner Plan Tech NPDES PGMW II	2	per project (assume 6 projects/2 years) per project (assume 6 projects/2 years)
E. Pt 6	The Co-Permittees shall update their SUSMP to include,	Planning Environmental NPDES Plan Tech		once

			Projected	Program E: Pt 7 d Time Requirement
Program Number	Program Element	Staff Involved	Hours	Interval

E. Pt 7	Each Permittee shall incorporate into its CEQA process those additional procedures necessary for considering potential storm water quality impacts and providing for appropriate mitigation when
	appropriate
	preparing and reviewing CEQA
	documents. (p. 44) Planners/Env

	Program E: Pt			
			Projected 7	Γime Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
	Each copermittee	Environmental		
	shall implement a	Planning		Already included
E. Pt 8	program to control	OA II		in planning
	storm water	NPDES Plan Tech		process.
	discharges for	NPDES PGMW II		
	Implement a			
	minimum set of			Already part of
E. Pt 8	BMPs at all			current
	construction sites.			construction
	Pg 46-47	Planning		process.

	I			
	shall require the			
	preparation and			
	submittal of an			
	Erosion Control			
	Plan for the Co-			
	Permittee's review			
	and approval prior			
	to issuance of a			
	grading permit. If			
	the Erosion Control			
	Plan is revised, the			
	Co-Permittee shall			
	review and approve			
	those revisions.			
	The Co-Permittee			
	shall not approve			
E. Pt 8	any Erosion			
	Control Plan unless			
	it contains			
	appropriate			
	construction site			
	BMPs, identifies			
	specific locations			
	where the BMPs			
	will be installed,			
	and maintenance			
	schedules. The			
	Erosion Control			
	Plan shall include a			
	statement			
	describing the			
	location of BMPs	Planning		
	Each copermittee	OA II		per year
E. Pt 8	shall use an	NPDES Plan Tech	2	per year
	electronic system	Planning		
E. Pt 8	Each copermittee	Planning Plan Tech		Already part of
	shall inspect all	NPDES PGMW II		current inspection

			I	
	Prior to approving			
	and/or signing off			
	for occupancy and			
	issuing the			
	Certificate of			
	Occupancy for all			
	construction			
	projects subject to			
	post-construction			
	controls, each			
	copermittee shall			
E. Pt 8	require the design			
	engineer to inspect			
	the constructed site			
	design, source			
	control and			
	treatment contol			
	BMPs to provide			
	written verification			
	that they have been			
	constructed in			
	compliance with all			
	specifications,			
	plans, permits,			
	ordinances, and			
	this order. Pg 50	Planning		A1 1
E. Pt 8	Each copermittee	NPDES PGMW II		Already part of
	shall initiate, within	Planning Plan Tech		current inspection

				Program E: Pt 9
			Projected T	ime Requirements
Program Number	Program Element	Staff Involved	Hours	Interval
E. Pt 9	Provide interim	NPDES Plan Tech	10	once
	Hydromodification	Environmental		
E. Pt 9	Implement BMPs	NPDES Plan Tech		Already a current
	as needed at all	NPDES PGMW II		practice
	Obtain coverage			per project
	under the			(assume 3) per
E. Pt 9	Construction	OA II	16	year
	General Permit no			per project
	later than October			(assume 3) per
	8, 2009 for long-	NPDES Plan Tech	1	year
	term maintenance	Environmental		
	Implement the			once (training
F Pt Q	FishNet 4C manual	NPDES Plan Tech	8	refresher)

L.Flÿ	for road			Already a current
	maintenance	PGMW		practice
E. Pt 9	Each Co-Permittee shall perform street sweeping of curbed streets in commercial areas and areas subject to high trash generation six times per year (p. 54)	PGMW / GA	50	per year
E. Pt 9	Each copermittee shall protect debris and material stockpiles from rain or wind erosion with a cover or sediment barriers. Pg 55	PGMW		Already a current practice
E. Pt 9	Each Permittee shall eliminate	NPDES Plan Tech NPDES PGMW II		once once
	Use a standardized			once
E. Pt 9		NPDES Plan Tech		once
L.113	routine and non-	NPDES Plan Tech		per year
	Implement an IPM	OA II		Already a current
E. Pt 9	program	NPDES Plan Tech		practice
E. Pt 9	Each Co-Permittee shall inspect and clean catch basins as necessary, but at least consistent with the following schedule: Priority A: A minimum of 2 times during the wet season and once during the dry season every year; Priority B: A minimum of once per year; and Priority C: As needed, but not less than a minimum of once per permit term (p. 57)	NPDES PGMW II	G	per facility (38) per year

	I	T	ı	T
	shall require for			
	any public event,			
	permitted private			
	event or wherever it			
	is foreseeable that			
	substantial			
	quantities of trash			
	and litter may be			
	generated, that the			
	following measures			
	are implemented:			
	(A) Conditions be			
	placed on any			
	special use permit			
	issued for such			
F D: 0	event to control and			
E. Pt 9	clean up trash; and			
	(B) Require the			
	proper			
	management of			
	trash and litter			
	generated; and (C)			
	Arrange for			
	temporary screens			
	to be placed on			
	catch basins; or (D)			
	Clean out catch			
	basins, trash			
	receptacles, and			
	grounds as needed			per event
	in the event area			(assume 40
	within 24 hours	PGMW	ာ	`
		OA II		events per year) once
E. Pt 9	shall install trash	PGMW		once
		NPDES PGMW II		per year
E. Pt 9	Cleaning (p. 57-58)			per year
L. F (3		OA II		
	including priority	UA II	20	per year

E. Pt 9	Each Co-Permittee shall inspect 20% of the catch basins on an annual basis for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and maintenance (p 57-58)	NPDES PGMW II		Completed during drain inspection/catch basin cleaning process
E. Pt 9	The Co-Permittees shall consider	PGMW NPDES PGMW II		Costs to be covered by
E. Pt 9	inspection and maintenance program for all Co-	Environmental OA II NPDES Plan Tech NPDES PGMW II		once once per BMP site (assume 8) per year
E. Pt 9	Each Co-Permittee may conduct	Environmental OA II	current pra	
E. Pt 9	Each Co-Permittee		4 10	per year per year per year
E. Pt 9	October 1, 2010	NPDES Plan Tech NPDES PGMW II	4 10	per year per year per year
E. Pt 9	Each Co-Permittee shall, no later October 1, 2010	OA II NPDES Plan Tech NPDES PGMW II	10	per year per year per year

				Program E: Pt 10 -
			Projected Time Requirements	
Program Number	Program Element	Staff Involved	Hours	Interval
E. Pt 10	Each Co-Permittee	OA II	100	once
	shall implement an	NPDES Plan Tech	20	once
	IC/ID program. The	NPDES PGMW II	10	per facility (38)
	Co-Permittees shall			per incident
	establish and			(assume 4) per
	maintain a phone	OA II	current pra	year
E. Pt 10	hotline and internet	NPDES Plan Tech	current pra	per year
	site to receive all			per incident
	reports of IC/ID			(assume 4) per
	complaints within	NPDES PGMW II	current pra	year

	Permittees shall	OA II	76	once
	conduct field	NPDES Plan Tech		once
E. Pt 10	screening of their			once per facility
	storm drain outfalls	NPDES PGMW II	10	(38)
E. Pt 10	Each Co-Permittee shall maintain a list containing all connections under investigation for			
	possible illicit connection and their status. Pg 61	OA II	10	per year
	Each Co-Permittee,		10	per year per connection
	upon discovery or upon receiving a	OA II	current pra	(assume 4) per
E. Pt 10	report of a suspected illicit			per connection (assume 4) per
	connection, shall	NPDES Plan Tech	current pra	year
	complete an			per connection
	investigation within			(assume 4) per
	21 days, to	NPDES PGMW II	current pra	year
	Each Co-Permittee,	Environmental		
	upon confirmation			per connection
	of an illicit storm			(assume 4) per
	drain connection, shall ensure the	OA II	current pra	per connection
E. Pt 10	following: (i)			(assume 4) per
	Termination of the	NPDES Plan Tech	current pra	, , ,
	connection within	THE BEOT IGHT TOOK	ourront pra	per connection
	180 days of			(assume 4) per
	completion of the	NPDES PGMW II	current pra	` ' '
E. Pt 10	Each Co-Permittee shall keep records of all illicit connection investigations and the enforcement			
	actions taken to eliminate all illicit connections. Pg 61	OA II	current pra	per year
	Each Co-Permittee		,	per incident
	shall investigate			(assume 4) per
	illicit/illegal	OA II	current pra	
	discharges during			per incident
E. Pt 10	or immediately			(assume 4) per
	following	NPDES Plan Tech	current pra	year

	containment and			per incident
	cleanup activities,			(assume 4) per
	and shall take	NPDES PGMW II	current pra	year
	Each Co-Permittee			per incident
	shall respond,			(assume 4) per
E. Pt 10	within 1 business	NPDES Plan Tech	current pra	year
E. Ft 10	day of discovery or			per incident
	a report of a			(assume 4) per
	suspected	PGMW	current pra	year
	Each Co-Permittee	OA II	current pra	per year
E. Pt 10	shall maintain	NPDES Plan Tech	current pra	per year
	records of all	NPDES PGMW II	current pra	per year

ision Estimated Additional Permit Costs. Organized by Program.

Pt 4 - Modifications						
Staff Hourly Rate			Total	Projected Cost		
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval		
\$ 22.45	\$ 359.20		\$ 359.20	per year		
\$ 40.84	\$ 40.84		\$ 40.84	per year		
\$ 22.45	\$ 224.50		\$ 224.50	once		
\$ 40.84	\$ 163.36		\$ 163.36	once		
		D. Pt 4 Totals	\$ 400.04	Per Year (ave)		
		D. F14 Totals	\$ 387.86	One Time		

t 2 - Pul	blic Information							
Staf	ff Hourly Rate						Total	Projected Cost
(Sala	ary + Benefits)	Total	Staff Costs	Equipment/N	/laterials	Amo	unt	Interval
\$	22.45							
\$	40.84							
\$	45.26	\$	2,036.70	\$,500.00	\$ 3	3,536.70	once
*		*	,	\$	800.00	\$	800.00	once
\$	45.26	\$	135.78	-		\$	135.78	per year
Ť		*				Ť		
\$	22.45	\$	44.90			\$	44 90	per year
Ψ	22.45	\$	44.90			\$	44.90	per year
Φ	40.84	\$	40.84			\$	40.84	once
\$ \$ \$ \$ \$ \$ \$ \$ \$	40.84	\$	- 40.84			\$	-	once
φ	22.45	\$	<u> </u>			\$		
Φ		\$				\$		once
Φ	63.35		-				-	once
\$	40.84	\$	-			\$	-	once
\$	63.35	\$	-			\$	-	once
\$	40.84	\$	-			\$	-	per year
\$	63.35	\$	-			\$	-	per year
		\$	-			\$	-	
		\$	-			\$	-	
\$	22.45	\$	-			\$	-	once

\$ 40.84	\$ -		\$ -	once
\$ 63.35	\$ -		\$ -	once
\$ 22.45	\$ -		\$ -	once
\$ 40.84	\$ -		\$ -	once
\$ 63.35	\$ -		\$ -	once
		E. Pt 2 Totals	\$ 225.58	Per Year (ave)
		L. FIZ TUIAIS	\$ 4,377.54	One Time

Description I Description of							
Planning/Land Development							
Staff Hourly Rate			Total	Projected Cost			
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval			
\$ 40.84	\$ 3,267.20		\$ 3,267.20	once			
\$ 40.84	\$ 490.08		\$ 490.08	per year			
\$ 40.84	\$ 1,225.20		\$ 1,225.20	per year			
		E. Pt 4 Totals	\$ 1,715.28	Per Year (ave)			
		E. Fl 4 Totals	\$ 3,267.20	One Time			

5 - New/Redevelopmen	it			
Staff Hourly Rate			Tota	Projected Cost
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval
\$ 45.26			\$ 362.08	once
\$ 40.84	\$ 3,267.20		\$ 3,267.20	once
				4
\$ 40.84	\$ 326.72		\$ 326.72	per year (start year 2)
\$ 45.26	\$ 362.08		\$ 362.08	nor year (start year 2)
Φ 45.20	φ 302.00		Ф 302.00	per year (start year 2)
			<u> </u>	
\$ 40.84	\$ 490.08		\$ 490.08	per year
\$ 40.84			\$ 3,267.20	once
	\$ -			

E. Pt 5 Totals	\$ 1,041.12	Per Year (ave)
E. Pt 5 Totals	\$ 6,896.48	One Time

- Post-Construction BMF	Ps			
Staff Hourly Rate				Projected Cost
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval
\$ 40.84	\$ 245.04		\$ 245.04	per year
<u> </u>	·		-	
\$ 45.26	\$ 271.56		\$ 271.56	per year
ψ	Ţ		ψ <u></u> σσ	por you.
\$ 41.04	\$ 492.48		\$ 1,035.60	twice
Ţ	ψ .σΞσ		1,000.00	
\$ 45.26	\$ 543.12		\$ 543.12	twice
Ψ -τ0.20	Ψ 0-10.12		ψ 5-10.1Z	
\$ 40.84	\$ 653.44		\$ 653.44	once
Ψ +0.04	<u>μ 000.44</u>			Per Year (ave)
		E. Pt 6 Totals		One Time
			ψ 000.44	One Time

- State Statute Conformity							
Staff Hourly Rate			Total	Projected Cost			
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval			
	•		•				

	E. Pt 7 Totals	\$ -	Per Year (ave)
	E. I C I Totalo	\$ -	One Time

3 - Construction Program	1					
Staff Hourly Rate			Total	Total Projected Cost		
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval		

\$ 22.45 \$ 40.84	\$ 224.50 \$ 81.68	\$ 224.50 \$ 81.68	per year
\$ 40.84	\$ 81.68	\$ 81.68	per year

	E. Pt 8 Totals	\$ 306.18 \$ -	Per Year (ave)
	E. I to Totals	\$ -	One Time

3- Public Agency Activity	1			
Staff Hourly Rate			Total	Projected Cost
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval
\$ 40.84	\$ 408.40		\$ 4,084.00	once
\$ 22.45	\$ 1,077.60		\$ 1,077.60	per year
\$ 40.84	\$ 122.52		\$ 122.52	per year
\$ 40.84	\$ 326.72		\$ 326.72	once

\$ 45.26 \$ 2,263.00 \$ 2,263.00 per year \$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 40.84 \$ 653.44	
\$ 45.26 \$ 1,357.80 \$ 5,000.00 \$ 7,011.24 once \$ 22.45 \$ 898.00 \$ 898.00 once	_
\$ 40.84 \$ 326.72 \$ 326.72 once	
\$ 40.84 \$ 326.72 \$ 326.72 once \$ 40.84 \$ 326.72 \$ 326.72 per year	
	_
\$ 45.26 \$ 10,319.28 \$10,319.28 per year	

		•		1
\$ 45.26	\$ 5,431.20		\$ 5,431.20	per year
\$ 22.45	\$ 179.60		\$ 179.60	once
\$ 45.26	\$ 905.20	\$ 1,000.00	\$ 1,905.20	once
\$ 45.26	\$ 3,620.80	ŕ		per year
\$ 40.84	\$ 163.36			per year
\$ 45.26 \$ 22.45 \$ 45.26 \$ 40.84 \$ 22.45	\$ 449.00		\$ 449.00	per year

\$ 22	2.45	\$ 359.20		\$ 359.20	once
	0.84	\$ 326.72		\$ 326.72	once
\$ 45	5.26	\$ 724.16		\$ 724.16	once
				\$ -	per year
\$ 22	2.45	\$ 89.80		\$ 89.80	per year
\$ 40	0.84	\$ 408.40		\$ 408.40	per year
\$ 45	5.26	\$ 452.60		\$ 452.60	per year
\$ 22	2.45	\$ 89.80		\$ 89.80	per year
\$ 40	0.84	\$ 408.40		\$ 408.40	per year
	5.26	\$ 452.60		\$ 452.60	per year
\$ 22	2.45	\$ 89.80		\$ 89.80	per year
\$ 40	0.84	\$ 408.40		\$ 408.40	per year
\$ 45	5.26	\$ 452.60		\$ 452.60	per year
			E. Pt 9 Totals	\$ 26,625.88	Per Year (ave)
				\$ 16,141.56	One Time

Illicit Connection/Discharge									
Staff Hourly Rate			Total	Projected Cost					
(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval					
\$ 22.45	\$ 2,245.00		\$ 2,245.00	once					
\$ 40.84	\$ 816.80	\$ 816.80	once						
\$ 45.26	\$ 17,198.80		\$17,198.80	once					
			\$ -	per year					
			\$ -	per year					
			\$ -	per year					

\$ 22.45	\$ 1,706.	20 [\$ 1,706.20	once
\$ 22.45 \$ 40.84	\$ 163.	36	\$ 163.36	once
Ψ 10.01	ψ		Ψ .σσ.σσ	01100
\$ 45.26	\$ 17,198.	80	\$ 17,198.80	once
Ψ 10.20	Ψ 17,100.		Ψ 11,100.00	CHOC
\$ 22.45	\$ 224.	50	\$ 224.50	per year
Ψ 22.40	Ψ 22π.		Ψ 224.00	por your
			\$ -	per year
			Ψ -	por your
			\$ -	per year
			Ψ -	per year
			\$ -	por voor
		+	Φ -	per year
		+		
			\$ -	por voor
		+	φ -	per year
			\$ -	per year
			-	por your
			\$ -	per year
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			\$ -	per year
				per year
				per year

			per year
			per vear
			per year
			per year
		\$ -	per year
		\$ -	per year
		\$ -	per year
	E. Pt 10 Totals	\$ 224.50	Per Year (ave)
		\$39,328.96	

Total Per Year \$ 31,686.67 Total One Time \$ 71,053.04

\$ 158,433.34
Total Term Cost \$ 229,486.38
Ave Per Year \$ 45,897.28

Regional Parks - Current Boundary Draft Maintenance Division Estimated Additional Permit Costs. Organized by Program.

	Program D: Pt 4 - Modifications											
			Projected 7	Time Requirements	()	Staff Hourly Rate					Total	Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(5	Salary + Benefits)	Т	otal Staff Costs	Equipment/Materials	Amo	ount	Interval
D. Pt 4	Submit detailed	OA II	16	per year	\$	22.45	\$	359.20		\$	359.20	per year
D. F14	annual budget	NPDES Plan Tech	1	per year	\$	40.84	\$	40.84		\$	40.84	per year
	Modify stormwater	OA II	10	once	\$	22.45	\$	224.50		\$	224.50	once
D. Pt 4	management	NPDES Plan Tech	4	once	\$	40.84	\$	163.36		\$	163.36	once
	programs,	Environmental										
									D. Pt 4 Totals	\$	400.04	Per Year (ave)
									D. Ft 4 Totals	\$	387.86	One Time

			Projected 7	Time Requirements	t 2 - Public Info Staff Hourl							Total	Projected Cost
rogram Number	Program Element	Staff Involved	Hours	Interval	(Salary + Be		Tota	al Staff Costs	Equipr	ment/Materials	Amo		Interval
		NPDES Plan Tech		Already	(Janen j	,							
E. Pt 2		EDC Staff		accounted for in									
		OA II	6	once	\$	22.45							
		NPDES Plan Tech		once	\$	40.84							
E. Pt 2	dumping at public		_	per sign (assume	<u> </u>								
		NPDES PGMW II	3	15)	\$	45.26	\$	2,036.70	\$	1,500.00	\$	3.536.70	once
5.5.0	The Co-Permittees		_	- /	<u> </u>		_	_,,	\$	800.00		800.00	
E. Pt 2		NPDES PGMW II	3	per year	\$	45.26	\$	135.78	т		\$		per year
				,							•		,
	Include contact												
	information in												
	outreach efforts.												
	Update by July 1st												
	of each year. Each												
	Co-permittee is												
E. Pt 2	responsible for												
	keeping current												
	updated contact												
	information in an												
	easily accessible												
	page on their												
	1. •	OA II	2	per year	\$	22.45	\$	44.90			\$	44 90	per year
	Co-Permittees shall			per year	\$	22.45	\$	44.90			\$		per year
E. Pt 2		NPDES Plan Tech		per year	\$	40.84	\$	40.84			\$		once
		NPDES Plan Tech		once	\$	40.84	\$	-			\$	-	once
E. Pt 2	to educate Spanish-			once	\$	22.45	\$	-			\$	-	once
	•	EDC Staff		once	\$	63.35	\$	_			\$	-	once
		NPDES Plan Tech		once	\$	40.84	\$	-			\$	-	once
E. Pt 2	•	EDC Staff		once	\$	63.35	\$	-			\$	-	once
E D: 0		NPDES Plan Tech		per year	\$	40.84	\$	-			\$	-	per year
E. Pt 2	make a minimum	EDC Staff		per year	\$	63.35	\$	-			\$	-	per year
E D: 0		NPDES Plan Tech		EDC already			\$	-			\$	-	. ,
E. Pt 2		EDC Staff		covers RP's			\$	-			\$	-	
	The Co-Permittees			once	\$	22.45		-			\$	-	once
E. Pt 2		NPDES Plan Tech		once	\$	40.84		-			\$	-	once
	·	EDC Staff		once	\$	63.35		-			\$	-	once
	The Co-Permittees			once	\$	22.45		-			\$	-	once
E. Pt 2		NPDES Plan Tech		once	\$	40.84	\$	-			\$	-	once
	develop outreach	EDC Staff		once	\$	63.35		-			\$	-	once
	•		-	•					_	Ot 2 Totale	\$	225.58	Per Year (ave)

L. FLZ TULAIS	ф 4 s== = 4 lo =:
	\$ 4,377.54 One Time

				Program E: Pt 4 - F	Planning/Land Develo	pme	ent				
			Projected T	ime Requirements	Staff Hourly Rate					Tota	Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(Salary + Benefits)		Total	Staff Costs	Equipment/Materials	Amount	Interval
	Implement a	Environmental									
E. Pt 4	Planning and Land	Planning									
	Development	NPDES Plan Tech	80	once	\$ 40.8	4	\$	3,267.20		\$ 3,267.20	once
		Environmental									
E. Pt 4	sizing criteria for			per project							
L. 1 (4	structural treatment			(assume 3							
	BMPs designed to	NPDES Plan Tech	4	projects/year)	\$ 40.8	4	\$	490.08		\$ 490.08	per year
E. Pt 4	Incorporate into its										
L. 1 (4	entitlement process	Environmental									
	Implement post-	Planning									
	construction	Environmental									
E. Pt 4	treatment to			per project							
	mitigate all project-			(assume 3							
	related storm water	NPDES Plan Tech	10	projects/year)	\$ 40.8	4	\$	1,225.20		\$ 1,225.20	per year
				_	_		•		E. Pt 4 Totals		Per Year (ave)
									L. Ft 4 10tais	\$ 3,267.20	One Time

	T	T		Program E: Pt			T					
				ime Requirements	4	ourly Rate						Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(Salary +	- Benefits)	Tota	I Staff Costs	Equipment/Materials	Amo	unt	Interval
E. Pt 5	All new	Planning										
L. Pt J	development and	Environmental										
	The Co-Permittees	NPDES PGMW II	8	once	\$	45.26	\$	362.08		\$	362.08	once
E. Pt 5	shall develop a	NPDES Plan Tech	80	once	\$	40.84	\$	3,267.20		\$ 3	3,267.20	once
	comprehensive LID	Planners/Env										
	Co-Permittees shall			per year				_			_	
	facilitate			(integrated into								
E. Pt 5	implementation of	NPDES Plan Tech	8	our staff training)	\$	40.84	\$	326.72		\$	326.72	per year (start year
E. P(5	LID by providing			per year								
	key industry,			(integrated into								
	regulatory, and	NPDES PGMW II	8	our staff training)	\$	45.26	\$	362.08		\$	362.08	per year (start year
E. Pt 5	Co-permittees shall	Planning										
E. Pl 5	ensure that all	Environmental										
	All new	Planning										
	development and	Environmental										
E. Pt 5	redevelopment			per project								
	projects in Part 4			(assume 3								
	are to implement	NPDES Plan Tech	4	projects/year)	\$	40.84	\$	490.08		\$	490.08	per year
E. Pt 5	The Co-Permittees	NPDES Plan Tech	80	once	\$	40.84	\$	3,267.20		\$ 3	3,267.20	
E. Pl 3	shall develop a	Environmental					\$	-				
								_	E. Pt 5 Totals	\$ 1	,041.12	Per Year (ave)
									E. FLO TOTAIS	\$ 6	5.896.48	One Time

				Program E: Pt 6 -	Post-Construction BMP	S			
			Projected 7	Time Requirements	Staff Hourly Rate			Total	Projected Cost
Program Number Program	am Element	Staff Involved	Hours	Interval	(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval

E. Pt 6	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41					0.45-0.4		
E. Pt 6	shall implement a tracking system, and an inspection	NPDES Plan Tech Planner Plan Tech NPDES PGMW II		per project (assume 3 projects/year)	\$ 45.26	245.04		per year
E. Pt 6	Inspect sites for proper installation of LID measures, structural BMPs, treatment control BMPs and hydromodification BMPs. Must be	Planner Plan Tech NPDES PGMW II	2	per project (assume 6 projects/2 years) per project (assume 6	\$ 41.04 45.26	\$ 492.48 543.12	\$ 1,035.60 \$ 543.12	twice
E. Pt 6	The Co-Permittees shall update their SUSMP to include,	Environmental	16	once	\$ 40.84	\$ 653.44	\$ 653.44 \$ 1,148.09	once Per Year (ave)

				Program E: Pt 7 -	State Statute Conformi	ity			
			Projected	Time Requirements	Staff Hourly Rate			Tota	I Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval

	providing for appropriate mitigation when preparing and reviewing CEQ/documents. (p.						E. Pt 7 Totals	\$ - \$ -	Per Year (ave) One Time
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				Program E: Pt 8	- Construction Program	n			
			Projected ¹	Time Requirements	Staff Hourly Rate			Tota	l Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(Salary + Benefits)	Total Staff Costs	Equipment/Materials	Amount	Interval
	Each copermittee	Environmental							
	shall implement a	Planning		Already included					
E. Pt 8	program to control	OA II		in planning					
	storm water	NPDES Plan Tech		process.					
	discharges for	NPDES PGMW II		Τ Γ					
	Implement a								
	minimum set of			Already part of					
E. Pt 8	BMPs at all			current					
	construction sites.			construction					
	Pg 46-47	Planning		process.					

shall require the preparation and submittal of an Erosion Control Plan for the Co-Permittee's review and approval prior	
submittal of an Erosion Control Plan for the Co- Permittee's review	
Erosion Control Plan for the Co- Permittee's review	
Plan for the Co- Permittee's review	
Permittee's review	
and approval prior	
to issuance of a	
grading permit. If	
the Erosion Control	
Plan is revised, the	
Co-Permittee shall	
review and approve	
those revisions.	
The Co-Permittee	
E. Pt 8 shall not approve	
any Erosion	
Control Plan unless	
it contains	
appropriate appropriate	
construction site	
BMPs, identifies	
specific locations specific locations	
where the BMPs	
will be installed,	
and maintenance	
schedules. The	
Erosion Control	
Plan shall include a	
statement	
describing the	
location of BMPs Planning	
Each copermittee OA II 10 per year \$ 22.45 \$ 224.50 \$ 224.50 per year	
E. Pt 8 shall use an NPDES Plan Tech 2 per year \$ 40.84 \$ 81.68 \$ 81.68 per year	
electronic system Planning Planning	
E. Pt 8 Each copermittee Planning Plan Tech Already part of Already part of	
shall inspect all NPDES PGMW II current inspection	

E. Pt 8	Prior to approving and/or signing off for occupancy and issuing the Certificate of Occupancy for all construction projects subject to post-construction controls, each copermittee shall require the design engineer to inspect the constructed site design, source control and treatment contol BMPs to provide written verification that they have been constructed in					
	design, source control and					
	BMPs to provide					
	that they have been					
	constructed in compliance with all					
	specifications,					
	plans, permits,					
	ordinances, and this order. Pg 50	Planning				
E Dt 0		NPDES PGMW II	Already part of	<u> </u>		
E. Pt 8		Planning Plan Tech	current inspection		1	

				Program E: Pt 9	9- Public Agen	cy Activity	,				
			Projected T	ime Requirements	Staff Hour	y Rate				Tota	l Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(Salary + B	enefits)	Tota	al Staff Costs	Equipment/Materials	Amount	Interval
E. Pt 9	Provide interim	NPDES Plan Tech	10	once	\$	40.84	\$	408.40		\$ 4,084.00	once
L. Pt 9	Hydromodification	Environmental									
E. Pt 9	Implement BMPs	NPDES Plan Tech		Already a current							
L. Pt 9	as needed at all	NPDES PGMW II		practice							
	Obtain coverage			per project							
	under the			(assume 3) per							
	Construction	OA II	16	year	\$	22.45	\$	1,077.60		\$ 1,077.60	per year
E. Pt 9	General Permit no			per project							
	later than October			(assume 3) per							
	8, 2009 for long-	NPDES Plan Tech	1	year	\$	40.84	\$	122.52		\$ 122.52	per year
	term maintenance	Environmental									
	Implement the			once (training				_	·		
E. Pt 9	FishNet 4C manual	NPDES Plan Tech	8	refresher)	\$	40.84	\$	326.72		\$ 326.72	once
L. Ft 9	for road			Already a current	·			_			
	maintenance	PGMW		practice							

E. Pt 9 Each Co-Permittee shall perform street eweeping of cutbod streets in commiscial areas and stress subject operations as times per year (p. 54) PGMW / GA 50 per year \$ 45.26 \$ 2,263.00 \$ 2,263.00 per year \$ 45.26 \$ 2,263.00												
Each copermittee shall protect debris and material stockplies from rain or wind erosion with a cover or sediment barriers. Pg.55 E. Pt 9 Satch Permittee shall eliminate protection of the foot for the routine and non-foot for the routine and non-foot shall inspect and clean catch basins as necessary, but at least consistent with the following schedule: Priority A: A: A minimum of once per year; and Priority C; As needed, but not less than a minimum of once	E. Pt 9	shall perform street sweeping of curbed streets in commercial areas and areas subject to high trash generation six times per year (p.		50	per year	\$	45.26	\$	2,263.00		\$ 2,263.00	per year
Shall eliminate NPDES PGMW 1 30 once \$ 45.26 \$ 1.357.80 \$ 5.000.00 \$ 7,011.24 once	E. Pt 9	shall protect debris and material stockpiles from rain or wind erosion with a cover or sediment barriers. Pg 55			Already a current practice							
Use a standardized protocol for the protocol for the routine and non- non- non- non- non- non- non- no	I F PT G									\$ 5.000.00	\$ 7.011.24	once
E. Pt 9 Implement an IPM program Each Co-Permittee shall inspect and clean catch basins as necessary, but at least consistent with the following schedule: Priority A: A minimum of 2 times during the wet season and once during the dry season every year; Priority B: A minimum of once per year; and Priority C: As needed, but not less than a minimum of once	E. Pt 9	Use a standardized protocol for the	OA II NPDES Plan Tech	40 8	once once	\$ \$	22.45 40.84	\$ \$	898.00 326.72	Ψ 5,000.00	\$ 898.00 \$ 326.72	once once
Each Co-Permittee shall inspect and clean catch basins as necessary, but at least consistent with the following schedule: Priority A: A minimum of 2 times during the wet season and once during the dry season every year; Priority B: A minimum of once per year; and Priority C: As needed, but not less than a minimum of once	I F PI 9											
per permit term (p. per facility (38)	E. Pt 9	Each Co-Permittee shall inspect and clean catch basins as necessary, but at least consistent with the following schedule: Priority A: A minimum of 2 times during the wet season and once during the dry season every year; Priority B: A minimum of once per year; and Priority C: As needed, but not less than a minimum of once per permit term (p.			per facility (38)	¢	45.00	¢	10.240.29		\$ 10 210 22	nor voor

shall require for any public voront, permited physics and processes of increasonable that substantial quantities of trash and litter may be generated, fruit the substantial quantities of trash and litter may be generated. (A) Conditions be placed on any spend use permit issued for such and (B) Require the proper management of trash and litter may be generated. (A) Conditions be placed on any spend use permit issued for such and (B) Require the proper management of trash and litter generated, and (C) generated and litter generated, and (C) generated and litter generated generate			T		7		1		-				1
permitted private event or whorever it is foreseable that substantial substantial and litter may be generated, that the fullowing measures are implemented: [A] Conditions be packed on any event to control and dean up frast; and (B) Require the proper more than than proper more than the proper more than the proper more than than proper more than the proper more than the proper more than than proper more than the proper more than the proper more than than proper more than the proper more than the proper more than than the proper more than the proper m		shall require for											
permitted private event or whorever it is foreseable that substantial substantial and litter may be generated, that the fullowing measures are implemented: [A] Conditions be packed on any event to control and dean up frast; and (B) Require the proper more than than proper more than the proper more than the proper more than than proper more than the proper more than the proper more than than proper more than the proper more than the proper more than than proper more than the proper more than the proper more than than the proper more than the proper m		any public event,											
event or wherever it is forespeciable that it substantial quantities of trush personal processing of the processing of t													
is foreseable that substantial quantities of trash and alliter may be generated, that the following instantial quantities of trash and filter may be generated, that the following instantial that may be generated, that the following instantial trash (A) Conditions be placed on any special use permit issued for such ever to control and client on the following instantial trash and (8) Require the management of trash and litter generated and filter generated generated and filter generated genera													
substantial quantities of trash and litter may be gonarded, that the following measures of that the following measures process of the placed on any special use permit issued for such over to control and clien up trash and litter generated; and (C) Arrange for lemporary screens state that are provided in the event area are an annual basis for the eligibility of the event basis on an annual basis for the eligibility of the event basis on an annual basis for the eligibility of the event basis and links when performing storm drain inspections and inspect													
and litter may be generated, that the following measures are implemented: Control and intermay be generated, that the following measures are implemented: Control and may be special use permit issued for such event to control and claim or prash, and (6). Require the proper may be special use permit issued for such event to control and claim or prash, and (6). Require the proper may be placed on author basins; or (D). Clieton out cratch basins on the event area within 24 hours. PGMW 3 events per year) \$ 45.26 \$ 915.20 \$ 1.79.60 flonce. E. Pt 9 Each Co-Permittee shall inspect 20% ON II 8 per year \$ 45.26 \$ 905.20 \$ 1.000.00 \$ 1.905.20 nonce. WPDCS PGMW II 80 per year \$ 45.26 \$ 905.20 \$ 1.000.00 \$ 1.905.20 nonce. PC Pt 9 Each Co-Permittee shall inspect 20% ON II 20 per year \$ 45.26 \$ 905.20 \$ 1.000.00 \$ 1.905.20 nonce. E. Pt 9 Each Co-Permittee shall inspect 20% ON II 20 per year \$ 45.20 \$ 3.600.00 \$ 3.600.00 \$ 446.00 \$ 900.00 \$ 446.00 \$ 900.00 \$ 446.00 \$ 900.00 \$ 446.00 \$ 900.00 \$													
and filter may be good processed, that the following measures are implemented: (A) Canditions be global or such seven to control and clear up trash; and (B) Required the proper management of trash and (ID) Arrange (B) Required the proper management of trash and (ID) Arrange (B) Required the proper management of trash and (ID) Arrange (B) Celen out catch basins; or (ID) Clean out catch basins; are (ID) Clean out catch basin and ID) Clean out catch basin storic ID) Clean out catch basin and ID) Clean out catch ID) Clean out													
E. Pt 9 Each Co-Permittee FMW 20 per year		1 .											
following measures are implemented: (A) Conditions be by placed on any special use permit is sissed for such average of such a service of such a service of such and (B) Require the property of the service of such and (B) Require the property of the service of such as a service of s													
are implemented: (r) Conditions be placed on any special use permit issued for such event to control and dient up trash, and (of such event to control and dient up trash, and (of such event to control and dient up trash, and (of such event to control and dient up trash, and (itter generated; and (C) Arrange for temporary screens to be placed on catch basin; or (D) Colario untitable basin; trash and titter generated; and (C) Arrange for temporary screens to be placed on catch basin; or (D) Colario untitable basin; trash and titter generated; and (C) Arrange for temporary screens to be placed on the event area within 24 hours and the province of th													
(A) Conditions be placed on any special use permit issued for such event to control and clean up trash; and (i) Require the proper makes and titted generated; and (C) Arrange for temporary screens to be placed on clearly and the placed on clearly and the placed on clearly basins; or (D) Clean out catch basin; or (D) Clean out catch basin; or (D) Clean out catch basin; o													
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E. Pt 9 E.													
E. Pt 9 Second for such event to control and cloan up trash: and (E)R equire the proper management of trash and little generated: and (C) Arrange for temporary screens to be placed on carch basins; or (I) Cloan street of the proper generated: and (C) Arrange for temporary screens to be placed on carch basins; or (I) Cloan street of the placed on the carch basin screen and prounds as needed in the event area within 24 hours 9 PoMW 3 events per year) E. Pt 9													
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clean up trash; and (8) Require the proper management of trash and litter generated; and (C) Arrange for temporary screens to be placed on catch basins; or (D) Clean out catch basins; or (D) Clean act catch basins; or (D) Clean act catch basins; trash receptacles, and grounds as needed in the event area within 24 hours PGMW 3 events per year) \$ 45.26 \$ 5,431.20 \$ 5,431.20 per year													
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Price Pric													
management of trash and litter generated; and (C) Arrange for temporary screens to be placed on catch basins; rot (D) Clean out catch basins; trash receptacles, and grounds as needed in the event area within 24 hours POMW 3 events per year) \$ 45.26 \$ 5.431.20 S 5.431.20 Por year													
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to be placed on catch basins, or (D) Clean out catch basins, trash receptacles, and grounds as needed in the event area within 24 hours PAMW 3 events per year) \$ 45.26 \$ 5.431.20 \$ 5.431.20 per year \$ 22.45 \$ 179.60 \$ 179.60 once \$ 179.60 once \$ 181 linstall trash PAMW 20 once \$ 45.26 \$ 905.20 \$ 1,000.00 \$ 1,905.20 once \$ 45.26 \$ 905.20 \$ 1,000.00 \$ 1,905.20 once \$ 45.26 \$ 905.20 \$ 1,000.00 \$ 1,905.20 once \$ 45.26 \$ 905.20 \$ 1,000.00 \$ 1,905.20 once \$ 45.26 \$ 905.20 \$ 1,000.00 \$ 1,905.20 once \$ 45.26 \$ 905.20 \$ 1,000.00 \$ 1,905.20 once \$ 1,000.00 \$ 1,000.		Arrange for											
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grounds as needed in the event area within 24 hours PGMW 3 events per year \$ 45.26 \$ 5,431.20 \$ 5,431.20 per year \$ 22.45 \$ 179.60 \$ 1,79.60 \$ 1													
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Within 24 hours PGMW 3 events per year \$ 45.26 \$ 5.431.20 \$ 5.431.20 per year					•								
E. Pt 9			PGMW	3	`	\$	45 26	\$	5 431 20		\$	5 431 20	per vear
Shall install trash													
E. Pt 9	E. Pt 9							_		\$ 1,000,00			
E. Pt 9 Cleaning (p. 57-58) including priority Each Co-Permittee shall inspect 20% of the catch basin son an annual basis for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and maintenance (p 57-58) E. Pt 9 The Co-Permittees shall consider The Co-Permittee shall inspect 20% of the Co-Permittee shall inspect 20% of the catch basin and inlet when performing storm drain inspections and maintenance (p 57-58) The Co-Permittees shall consider NPDES PGMW II covered by Each Co-Permittee shall consider Each Co-Permittee shall consider Environmental A per year \$40.84 \$ 163.36 \$ 9r year \$449.00 \$ \$449.00 \$ \$449.00 \$ \$449.00 \$ \$ \$449.00 \$ \$ \$449.00 \$ \$ \$ \$449.00 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$										Ψ 1,000.00			
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Shall inspect 20% of the catch basins on an annual basis for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and maintenance (p 57-58) NPDES PGMW II process E. Pt 9 The Co-Permittees FGMW Costs to be shall consider NPDES PGMW II covered by Each Co-Permittee Environmental		including priority	OA II	20	per year	Ψ	22.40	Ψ	443.00		Ψ	773.00	per year
Shall inspect 20% of the catch basins on an annual basis for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and maintenance (p 57-58) NPDES PGMW II process E. Pt 9 The Co-Permittees FGMW Costs to be shall consider NPDES PGMW II covered by Each Co-Permittee Environmental													
Shall inspect 20% of the catch basins on an annual basis for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and maintenance (p 57-58) NPDES PGMW II process E. Pt 9 The Co-Permittees FGMW Costs to be shall consider NPDES PGMW II covered by Each Co-Permittee Environmental		Fach Co-Permittee											
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Fe. Pt 9 for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and maintenance (p 57-58) Fe. Pt 9 The Co-Permittees shall consider Each Co-Permittee Environmental Find the legibility of the catch basin shall consider in the catch basin stencil or label nearest each catch basin and inlet when performing drain inspection/catch basin cleaning basin cleaning process Completed during drain inspection/catch basin cleaning process Completed during drain inspection/catch basin cleaning process NPDES PGMW II process Environmental													
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maintenance (p 57-58) NPDES PGMW II process E. Pt 9 The Co-Permittees shall consider NPDES PGMW II covered by Each Co-Permittee Environmental basin cleaning process Shall consider Covered by Each Co-Permittee Environmental basin cleaning process Shall consider Covered by Shall consider Covered by Shall consider Shall c													
58) NPDES PGMW II process													
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shall consider NPDES PGMW II covered by Each Co-Permittee Environmental											<u> </u>		
Shall consider NPDES PGMW II Covered by Each Co-Permittee Environmental	F Pt 9												
					covered by						<u> </u>		
shall implement an OA II													
		shall implement an	OA II	16	once	\$	22.45	\$	359.20		\$	359.20	once

E. Pt 9	inspection and	NPDES Plan Tech	8	once	\$ 40.84	\$ 326.72		\$ 326.72	once
E. Pl 9	maintenance			per BMP site					
	program for all Co-			(assume 8) per					
	Permittee owned	NPDES PGMW II	2	year	\$ 45.26	\$ 724.16		\$ 724.16	once
E. Pt 9	Each Co-Permittee	Environmental							
L. Ft 9	may conduct	OA II	current pra	ctice					per year
	Each Co-Permittee	OA II	4	per year	\$ 22.45	\$ 89.80		\$ 89.80	per year
E. Pt 9	shall, no later than	NPDES Plan Tech	10	per year	\$ 40.84	\$ 408.40		\$ 408.40	per year
	October 1, 2010	NPDES PGMW II	10	per year	\$ 45.26	\$ 452.60			per year
	Each Co-Permittee	OA II	4	per year	\$ 22.45	\$ 89.80		\$ 89.80	per year
E. Pt 9	shall, no later than	NPDES Plan Tech	10	per year	\$ 40.84	\$ 408.40			per year
		NPDES PGMW II	10	per year	\$ 45.26	452.60			per year
	Each Co-Permittee	OA II	4	per year	\$ 22.45	\$ 89.80		\$ 89.80	per year
E. Pt 9	shall, no later	NPDES Plan Tech	10	per year	\$ 40.84	\$ 408.40		\$ 408.40	per year
	October 1, 2010	NPDES PGMW II	10	per year	\$ 45.26	\$ 452.60			per year
	·						E. Pt 9 Totals		Per Year (ave)
							L. I t 3 Totals	\$ 16,141.56	One Time

						t Connection/Discha	rge					
			Projected 7	ime Requirements	3	Staff Hourly Rate					Total	Projected Cost
Program Number	Program Element	Staff Involved	Hours	Interval	(5	Salary + Benefits)	Tota	al Staff Costs	Equipment/Materials	Amount		Interval
	Each Co-Permittee		100	once	\$	22.45	\$	2,245.00		\$ 2,24	5.00	once
E. Pt 10	shall implement an	NPDES Plan Tech	20	once	\$	40.84	\$	816.80		\$ 81	6.80	once
	IC/ID program. The	NPDES PGMW II	10	per facility (38)	\$	45.26	\$	17,198.80		\$17,19	8.80	once
	Co-Permittees shall			per incident								
	establish and			(assume 4) per								
		OA II	current pra							\$	-	per year
E. Pt 10	hotline and internet	NPDES Plan Tech	current pra							\$	-	per year
	site to receive all			per incident								
	reports of IC/ID			(assume 4) per								
		NPDES PGMW II	current pra							\$	-	per year
		OA II	76	once	\$	22.45	\$	1,706.20		\$ 1,70		once
E. Pt 10		NPDES Plan Tech	4	once	\$	40.84	\$	163.36		\$ 16	3.36	once
L. 1 t 10	screening of their			once per facility								
	storm drain outfalls	NPDES PGMW II	10	(38)	\$	45.26	\$	17,198.80		\$ 17,19	8.80	once
E. Pt 10		OA II	10	per year	\$	22.45	\$	224.50		\$ 22	4.50	per year
E. Pt 10	report of a suspected illicit connection, shall complete an investigation within	OA II NPDES Plan Tech NPDES PGMW II	current pra	per connection (assume 4) per year per connection (assume 4) per						\$	<u>-</u>	per year per year per year
	Each Co-Permittee,											

	upon confirmation			per connection				
	of an illicit storm			(assume 4) per				
		OA II	current pra	` ' '			\$ -	per year
	shall ensure the	07111	Carroni pro	per connection			Ψ	por your
E. Pt 10	following: (i)			(assume 4) per				
	Termination of the	NPDES Plan Tech	current pra				\$ -	per year
	connection within	THE BEOT IGHT FOOT	Carront pro	per connection			Ψ	por your
	180 days of			(assume 4) per				
	completion of the	NPDES PGMW II	current pra				\$ -	per year
	completion of the	THE BEST SHITTER	Carront pro	y ca.			Ψ	por your
	Each Co-Permittee							
	shall keep records							
	of all illicit							
	connection							
E. Pt 10	investigations and							
	the enforcement							
	actions taken to							
	eliminate all illicit							
	connections. Pg 61	OA II	current pra	per vear			\$ -	per year
	Each Co-Permittee			per incident				
	shall investigate			(assume 4) per				
	illicit/illegal	OA II	current pra	year				per year
	discharges during			per incident				
E. Pt 10	or immediately			(assume 4) per				
	following	NPDES Plan Tech	current pra					per year
	containment and			per incident				
	cleanup activities,			(assume 4) per				
	and shall take	NPDES PGMW II	current pra					per year
	Each Co-Permittee			per incident				
	shall respond,			(assume 4) per				
E. Pt 10	within 1 business	NPDES Plan Tech	current pra					per year
E. Ft 10	day of discovery or			per incident				
	a report of a			(assume 4) per				
	suspected	PGMW	current pra		 			per year
	Each Co-Permittee		current pra				\$ -	per year
E. Pt 10	shall maintain	NPDES Plan Tech	current pra				\$ -	per year
	records of all	NPDES PGMW II	current pra	per year			\$ -	per year
						E. Pt 10 Totals		Per Year (ave)
						L. I t TO TOTALS	\$ 39,328.96	One Time

Total Per Year \$ 31,686.67 Total One Time \$ 71,053.04

\$ 158,433.34
Total Term Cost \$ 229,486.38
Ave Per Year \$ 45,897.28

Regional Parks - Current Boundary Draft Maintenance Division Estimated Additional Permit Costs. Organized by Implementation Date.

			Project	ed Time Requirements	Staff				Total Projec	ted Cos
me frame	Program Element	Staff Involved	Hours	Interval	Hourly	Total Staff Costs	pment/Mate	Amo	ount	Interval
	Obtain coverage under			per project (assume 3)						
	the Construction	OA II	16	per year	\$ 22.45	\$ 1,077.60		\$	1,077.60	per yea
7 Days After Adoption	General Permit no later			per project (assume 3)						
	than October 8, 2009	NPDES Plan Tech	1	per year	\$ 40.84	\$ 122.52		\$	122.52	per yea
	for long-term	Environmental								
	Provide interim	NPDES Plan Tech	10	once	\$ 40.84	\$ 408.40		\$	4,084.00	once
	Hydromodification	Environmental								
90 Days After Adotion	Use a standardized	OA II	40	once	\$ 22.45	\$ 898.00		\$	898.00	once
	protocol for the routine	NPDES Plan Tech	8	once	\$ 40.84	\$ 326.72		\$	326.72	
	and non-routine	NPDES Plan Tech	8	per year	\$ 40.84	\$ 326.72		\$	326.72	per ye
	Modify stormwater	OA II	10	once	\$ 22.45	\$ 224.50		\$	224.50	once
	management	NPDES Plan Tech	4	once	\$ 40.84	\$ 163.36		\$	163.36	once
	programs, protocols,	Environmental								
	Develop a strategy to	NPDES Plan Tech		once	\$ 40.84	\$ -		\$	_	once
	educate Spanish-	OA II		once	\$ 22.45	\$ -		\$	-	once
	speaking communities	EDC Staff		once	\$ 63.35	\$ -		\$	-	once
	Develop and implement	NPDES Plan Tech		once	\$ 40.84	\$ -		\$	_	once
	a strategy to measure	EDC Staff		once	\$ 63.35	\$ -		\$	-	once
	Each permittee shall	NPDES Plan Tech	6	once	\$ 40.84	\$ 245.04		\$	245.04	per ye
	implement a tracking	Planner Plan Tech								
	system, and an			per project (assume 3						
	inspection and	NPDES PGMW II	2	projects/year)	\$ 45.26	\$ 271.56		\$	271.56	per ye
	Each Permittee shall									
	incorporate into its								ļ	
	CEQA process those								ļ	
	additional procedures								ļ	
	necessary for								ļ	
	considering potential								ļ	
1 Year After Adoption	storm water quality								ļ	
	impacts and providing								ļ	
	for appropriate								ļ	
	mitigation when								ļ	
	_								!	
	Ipreparing and									
	preparing and reviewing CEQA									
	reviewing CEQA	Planners/Env								
	reviewing CEQA documents. (p. 44)	Planners/Env	80	per vear	\$ 45.26	\$ 3.620.80		\$	3.620.80	per ve
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning	NPDES PGMW II		per year per vear	\$ 45.26 \$ 40.84			\$	3,620.80 163.36	
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including	NPDES PGMW II NPDES Plan Tech	4	per year	\$ 40.84	\$ 163.36		\$	163.36	per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a	NPDES PGMW II NPDES Plan Tech OA II	4 20	per year per year	\$ 40.84 \$ 22.45	\$ 163.36 \$ 449.00		\$	163.36 449.00	per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee	NPDES PGMW II NPDES Plan Tech OA II OA II	4 20 4	per year per year per year	\$ 40.84 \$ 22.45 \$ 22.45	\$ 163.36 \$ 449.00 \$ 89.80		\$ \$ \$	163.36 449.00 89.80	per ye per ye per y
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech	4 20 4 10	per year per year per year per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40		\$ \$ \$	163.36 449.00 89.80 408.40	per ye per ye per y per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and	NPDES PGMW II NPDES Plan Tech OA II OA II	4 20 4 10	per year per year per year per year per year per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60		\$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60	per ye per ye per y per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II	4 20 4 10 10 4	per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80		\$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80	per ye per ye per ye per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II	4 20 4 10 10 4	per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40		\$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40	per ye per ye per ye per ye per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II NPDES Plan Tech NPDES PGMW II	4 20 4 10 10 4 10	per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ 452.60		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60	per ye per ye per ye per ye per ye per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES Plan Tech NPDES Plan Tech NPDES Plan Tech NPDES PGMW II OA II	4 20 4 10 10 4 10 4 10	per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80	per ye per ye per ye per ye per ye per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later October	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES Plan Tech NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II	4 20 4 10 10 4 10 10 4 10	per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 452.60 \$ 89.80 \$ 408.40		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80 408.40	per ye per ye per ye per ye per ye per ye per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later October 1, 2010 and annually	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES Plan Tech NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES PIAN Tech NPDES PIAN Tech NPDES PIAN Tech	4 20 4 10 10 4 10 10 4 10	per year	\$ 40.84 \$ 22.45 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 452.60		\$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80	per ye per ye per ye per ye per ye per ye per ye per ye per ye
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later October 1, 2010 and Each Co-Permittee shall, no later October 1, 2010 and annually The Co-Permittees	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES Plan Tech NPDES PGMW II OA II	4 20 4 10 10 4 10 10 4 10	per year once	\$ 40.84 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 452.60 \$ 89.80		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80 408.40	per ye per ye per ye per ye per ye per ye per ye per ye ond
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later October 1, 2010 and annually The Co-Permittees shall coordinate to	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES PGMW II OA II	4 20 4 10 10 4 10 10 4 10	per year once once	\$ 40.84 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 452.60 \$ 89.80 \$ 408.40 \$ 452.60 \$ -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80 408.40	per ye onc
	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later toan October 1, 2010 and Each Co-Permittee shall, no later October 1, 2010 and annually The Co-Permittees shall coordinate to develop outreach	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES PGMW II OA II NPDES PIan Tech NPDES PGMW II OA II NPDES PIAN Tech EDC Staff	4 20 4 10 10 4 10 4 10 10	per year once once once	\$ 40.84 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 63.35	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 498.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ - \$ - \$ -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80 408.40	per ye onc once
2 Years After Adoption	reviewing CEQA documents. (p. 44) Catch Basin Cleaning (p. 57-58) including priority ratings with a Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later than October 1, 2010 and Each Co-Permittee shall, no later October 1, 2010 and annually The Co-Permittees shall coordinate to	NPDES PGMW II NPDES Plan Tech OA II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES Plan Tech NPDES PGMW II OA II NPDES PGMW II OA II NPDES PGMW II OA II	4 20 4 10 10 4 10 10 10 4 10	per year once once	\$ 40.84 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84 \$ 45.26 \$ 22.45 \$ 40.84	\$ 163.36 \$ 449.00 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ 452.60 \$ 89.80 \$ 408.40 \$ - \$ - \$ - \$ -		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	163.36 449.00 89.80 408.40 452.60 89.80 408.40 452.60 89.80 408.40	per year year year year year year year ye

	Each Permittee shall	NPDES Plan Tech	16	once	\$	40.84	\$	653.44				
	eliminate discharges of			once	\$	45.26		1,357.80	#######	\$	7,011.24	once
	•	OA II		once	\$		\$	179.60	**********	\$	179.60	once
		PGMW		once	\$	45.26	\$	905.20	#######	\$	1,905.20	once
	Co-Permittees shall	r Givivv	20	per year (integrated into	φ	45.20	φ	905.20	#######	φ	1,905.20	Office
		NPDES Plan Tech	۵	our staff training)	Ф	40.84	¢	326.72		\$	326.72	ner vear
2.5 Years After Adoption	implementation of LID	NEDES FIAIT TECH	- 0	per year (integrated into	φ	40.04	φ	320.72		φ	320.72	per year
		NPDES PGMW II		our staff training)	\$	45.26	¢.	362.08		\$	362.08	nor vooi
	, , , ,	OA II	0	once	\$	22.45	\$	302.00		\$	302.00	per year once
3 Years After Adoption		NPDES Plan Tech	+	once	\$	40.84	\$			\$		
3 Tears After Adoption	implement a behavioral		+		\$	63.35	\$			\$	-	once
	The Co-Permittees	EDC Stall	+	once	Φ	03.33	Φ			Φ		once
	shall label 20 percent of											
	all unlabeled storm											
	drain inlets each year,											
	with a goal of 100											
	percent of all storm											
4 Years After Adoption	drain inlets to be											
•	labeled by October 1,	NDDE0 D01#44#	l									
	,	NPDES PGMW II	accounted		_	10.01	Φ.	0.007.00		Φ.	0.007.00	
		NPDES Plan Tech	80	once	\$	40.84	\$	3,267.20		\$	3,267.20	once
	shall develop a	Environmental	ļ				\$					
		OA II		once	\$	22.45	\$	2,245.00		\$	2,245.00	once
	· ·	NPDES Plan Tech		once	\$		\$	816.80		\$	816.80	once
	ı ü	NPDES PGMW II		per facility (38)	\$	45.26	\$	17,198.80			17,198.80	once
		OA II		once	\$	22.45	\$	1,706.20		\$	1,706.20	once
5 Years After Adoption	_	NPDES Plan Tech		once	\$		\$	163.36		\$	163.36	once
	of their storm drain	NPDES PGMW II	10	once per facility (38)	\$	45.26	\$	17,198.80		\$	17,198.80	once
	Include contact											
	information in outreach											
	efforts. Update by July											
	1 st of each year. Each											
	Co-permittee is											
	responsible for keeping											
	current updated contact											
	information in an easily											
	accessible page on											
		OA II	_	nor voor	φ.	22.45	Φ	44.00		φ	44.00	nor vee
		OA II		per year		22.45		44.90		\$		per year
	Submit detailed annual			per year	\$	22.45		359.20		\$		per year
	budget summary for the		1	per year	\$	40.84	Ф	40.84	# 000 00	\$		per year
		Drain labels	 		_	45.00	Φ.	405.70	\$ 800.00	\$	800.00	
	shall label 20 percent of			per year	\$	45.26		135.78		\$		per year
		OA II		per year	\$	22.45		44.90		\$		per year
		NPDES Plan Tech	1 1	per year	\$	40.84		40.84		\$	40.84	
		NPDES Plan Tech		per year	\$	40.84		-		\$	-	per year
	a minimum impression	EDC Staff		per year	\$	63.35	\$	-		\$	-	per year

_									
	Every Year	Each Co-Permittee shall inspect and clean catch basins as necessary, but at least consistent with the following schedule: Priority A: A minimum of 2 times during the wet season and once during the dry season every year; Priority B: A minimum of once per year; and Priority C: As needed, but not less than a minimum of once per permit term (p. 57) Each Co-Permittee shall inspect 20% of the catch basins on an	NPDES PGMW II	6	per facility (38) per year	\$ 45.26	\$ 10,319.28	\$ 10,319.28	per year
		annual basis for the legibility of the catch basin stencil or label nearest each catch basin and inlet when performing storm drain inspections and	NPDES PGMW II		Completed during drain inspection/catch basin				
		Each Co-Permittee	NPDES PGMW II		cleaning process Costs already included				
		shall, no later than	OA II		above				
		October 1, 2010 and annually thereafter,	NPDES Plan Tech		Costs already included above				
		train all of their	INFULS FIAIL LECTI		Costs already included	 			
		employees in targeted	NPDES PGMW II		above				
		Each Co-Permittee			Costs already included				
		shall, no later than October 1, 2010 and	OA II		above Costs already included				
		annually thereafter,	NPDES Plan Tech		above				
		train all of their	NIDDEO DOLEN		Costs already included				
		employees who use or Each Co-Permittee	NPDES PGMW II		above Costs already included				-
		shall, no later October	OA II		above				
		1, 2010 and annually			Costs already included				
		thereafter, train all of	NPDES Plan Tech		above				
		their employees who are responsible for	NPDES PGMW II		Costs already included above				
		Each Co-Permittee	INCUES AGINIAN II		auuve				-
		shall perform street							
		sweeping of curbed							
		streets in commercial areas and areas							
		subject to high trash							
		generation six times							
		per year (p. 54)	PGMW / GA	50	per year	\$ 45.26	\$ 2,263.00	\$ 2,263.00	per year

	Provide schools with	NPDES Plan Tech		EDC already covers			\$	_		\$	_	twice
		EDC Staff		RP's education			\$			\$	_	twice
	Inspect sites for proper	LDO Otali		per project (assume 6			Ψ			Ψ		twice
Every 2 Years	installation of LID	Planner Plan Tech	2	projects/2 years)	\$	41.04	\$	492.48		\$	1,035.60	twice
	measures, structural	Tarifici Flair Foor		per project (assume 6	Ψ	71.07	Ψ	402.40		Ψ	1,000.00	twice
		NPDES PGMW II	2	projects/2 years)	\$	45.26	\$	543.12		\$	543.12	twice
	Install signs	OA II		once	\$	22.45	Ψ	040.12		Ψ	040.12	twice
	discouraging illegal	NPDES Plan Tech		once	\$	40.84						
	dumping at public	NPDES PGMW II		sign (assume 15)		45.26	\$	2,036.70	#######	\$	3,536.70	once
		NPDES Plan Tech		Already accounted for in	Ψ	70.20	Ψ	2,000.70	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ψ	0,000.70	01100
		EDC Staff		current EDC activities.								
		Environmental		Carrotte EBC douvideo.								
	and Land Development											
		NPDES Plan Tech	80	once	\$	40.84	\$	3,267.20		\$	3,267.20	on
		Environmental	00	Office	Ψ	40.04	Ψ	3,207.20		Ψ	5,207.20	011
	criteria for structural	Livilorimental		per project (assume 3								
	treatment BMPs	NPDES Plan Tech	1	projects/year)	ф	40.84	¢	490.08		\$	490.08	pery
	Incorporate into its	Planning		projects/year)	Ą	40.04	Ψ	490.00		Ψ	430.00	pei .
		Environmental										
	entitlement process	Planning										
	Implement post- construction treatment	Environmental										
	to mitigate all project-	LIIVIIOIIIIEIIIdi		per project (assume 3								-
		NPDES Plan Tech	10		ф	40.04	φ	1 225 20		¢.	1 225 20	nor.
	related storm water		10	projects/year)	Þ	40.84	\$	1,225.20		\$	1,225.20	per
	All new development	Planning										
	and redevelopment	Environmental										
	Co-permittees shall	Planning										
	ensure that all storm	Environmental										
	All new development	Planning										
	and redevelopment	Environmental										
	projects in Part 4 are to			per project (assume 3		40.04	φ.	400.00				
		NIDDEC Diam Table	4	!\	Φ.							
		NPDES Plan Tech	4	projects/year)	\$	40.84	\$	490.08		\$	490.08	pery
		NPDES Plan Tech	4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	pery
	implement hydrologic		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	implement hydrologic Provide verification of		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs,		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions,		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements,		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits,		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance		4	projects/year)	\$	40.84	Φ	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance	Planning	4	projects/year)	\$	40.84	•	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41 The Co-Permittees	Planning Planning	4	projects/year)	\$	40.84	•	490.08		\$	490.08	per
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41 The Co-Permittees shall update their	Planning Planning Environmental								\$		
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41 The Co-Permittees shall update their SUSMP to include, at a	Planning Planning Environmental NPDES Plan Tech		projects/year) once		40.84		653.44			653.44	
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41 The Co-Permittees shall update their SUSMP to include, at a Each copermittee shall	Planning Planning Environmental NPDES Plan Tech Environmental		once								
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41 The Co-Permittees shall update their SUSMP to include, at a Each copermittee shall implement a program to	Planning Planning Environmental NPDES Plan Tech Environmental Planning		once Already included in	\$	40.84						
	Provide verification of maintenance provisions for LID BMPs, treatment control BMPs, and hydromodification control BMPs by way of final map conditions, legal agreements, conditional use permits, and/or other legally binding maintenance agreements. Pg 41 The Co-Permittees shall update their SUSMP to include, at a Each copermittee shall	Planning Planning Environmental NPDES Plan Tech Environmental		once								on.

Implement a minimum								
set of BMPs at all								
construction sites. Pg			Already included in					
46, 47	Planning		construction process.					
shall require the			·					
preparation and								
submittal of an Erosion								
Control Plan for the Co-								
Permittee's review and								
approval prior to								
issuance of a grading								
permit. If the Erosion								
Control Plan is revised,								
the Co-Permittee shall								
review and approve								
those revisions. The Co								
Permittee shall not								
approve any Erosion								
Control Plan unless it								
contains appropriate								
construction site BMPs,								
identifies specific								
locations where the								
BMPs will be installed,								
and maintenance								
schedules. The Erosion								
Control Plan shall								
include a statement								
describing the location								
of BMPs and rationale								
for BMP selection, as								
well as a statement								
confirming that the								
owner and contractor								
are aware that the								
selected BMPs must be	Planning							
Each copermittee shall	OA II	10	per year	\$ 22.45	\$ 224.50	\$	224.50	per year
use an electronic	NPDES Plan Tech	2	per year	\$ 40.84	\$ 81.68	\$	81.68	per year
system to track	Planning							
Each copermittee shall			Already completed					
inspect all construction	NPDES PGMW II		during current inspection					

Prior to approving and/or signing off for occupancy and issuing the Certificate of Occupancy for all construction projects subject to postconstruction controls, each copermittee shall require the design engineer to inspect the constructed site design, source control and treatment contol BMPs to provide written verification that they have been constructed in compliance with all specifications, plans, permits, ordinances, and this order. Pg 50 Planning Each copermittee shall NPDES PGMW II Already completed Planning Plan Tech initiate, within one during current inspection NPDES Plan Tech Implement BMPs as Already a current NPDES PGMW II practice needed at all 8 once (training refresher) \$ 40.84 \$ Implement the FishNet NPDES Plan Tech 326.72 326.72 once 4C manual for road Already a current maintenance projects **PGMW** practice Each copermittee shall protect debris and material stockpiles from rain or wind erosion with a cover or sediment barriers. Pg Already a current 55 **PGMW** practice Already a current Implement an IPM OA II program incorporating NPDES Plan Tech practice

Unknown

		I							
Each Co-Permittee									
shall require for any									
public event, permitted									
private event or									
wherever it is									
foreseeable that									
substantial quantities of									
trash and litter may be									
generated, that the									
following measures are									
implemented: (A)									
Conditions be placed									
on any special use									
permit issued for such									
event to control and									
clean up trash; and (B)									
Require the proper									
management of trash									
and litter generated;									
and (C) Arrange for									
temporary screens to									
be placed on catch									
basins; or (D) Clean out									
catch basins, trash									
receptacles, and									
grounds as needed in									
the event area within			. ,						
24 hours subsequent to	DOMM	_	per event (assume	A 45.00		5 404 00	_	5 404 00	
	PGMW	3	40events per year)	\$ 45.26	\$	5,431.20	\$	5,431.20	per year
The Co-Permittees	PGMW		Costs depend on						
shall consider installing			formalina and announced an accompanied and						
<u> </u>	NPDES PGMW II		funding/grants awarded.						
Each Co-Permittee	Environmental	10		Ф 22.45		250.20	Ф.	250.20	
Each Co-Permittee shall implement an	Environmental OA II	16	once	\$ 22.45		359.20	\$	359.20	once
Each Co-Permittee shall implement an inspection and	Environmental	16	once once	\$ 22.45 \$ 40.84		359.20 326.72	\$	359.20 326.72	once once
Each Co-Permittee shall implement an inspection and maintenance program	Environmental OA II NPDES Plan Tech	8	once once per BMP site (assume	\$ 40.84	\$	326.72	\$	326.72	once
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee	Environmental OA II NPDES Plan Tech NPDES PGMW II	8	once once		\$				<u> </u>
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental	2	once once per BMP site (assume 8) per year	\$ 40.84	\$	326.72	\$	326.72 724.16	once once
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of	Environmental OA II NPDES Plan Tech NPDES PGMW II	8	once once per BMP site (assume 8) per year ctice	\$ 40.84	\$	326.72	\$	326.72	once
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II	2 current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$	326.72 724.16	once once per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II	2 current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year	\$ 40.84	\$	326.72	\$ \$	326.72 724.16	once once per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under investigation for	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	2 current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4)	\$ 40.84	\$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under investigation for possible illicit connection and their	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II NPDES Plan Tech NPDES Plan Tech NPDES PGMW II	current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4) per year	\$ 40.84 \$ 45.26	\$ \$	326.72 724.16	\$ \$ \$	326.72 724.16 - - -	once once per year per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under investigation for possible illicit connection and their status. Pg 61	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II OA II NPDES Plan Tech	current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4) per year per year	\$ 40.84	\$ \$	326.72	\$ \$ \$	326.72 724.16 - -	once once per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under investigation for possible illicit connection and their status. Pg 61 Each Co-Permittee,	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II NPDES Plan Tech NPDES Plan Tech NPDES PGMW II	current pra current pra current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4) per year per year per jear per year per year	\$ 40.84 \$ 45.26	\$ \$	326.72 724.16	\$ \$ \$	326.72 724.16 - - -	once once per year per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under investigation for possible illicit connection and their status. Pg 61	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II NPDES Plan Tech NPDES Plan Tech NPDES PGMW II	current pra current pra current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4) per year per year	\$ 40.84 \$ 45.26	\$ \$	326.72 724.16	\$ \$ \$	326.72 724.16 - - - - 224.50	once once per year per year per year per year
Each Co-Permittee shall implement an inspection and maintenance program for all Co-Permittee Each Co-Permittee may conduct repairs of Co-Permittees shall establish and maintain a phone hotline and internet site to receive all reports of IC/ID Each Co-Permittee shall maintain a list containing all connections under investigation for possible illicit connection and their status. Pg 61 Each Co-Permittee, upon discovery or upon receiving a report of a	Environmental OA II NPDES Plan Tech NPDES PGMW II Environmental OA II NPDES Plan Tech NPDES Plan Tech NPDES PGMW II	current pra current pra current pra current pra current pra	once once per BMP site (assume 8) per year ctice per incident (assume 4) per year per year per incident (assume 4) per year per connection (assume 4) per year	\$ 40.84 \$ 45.26	\$ \$	326.72 724.16	\$ \$ \$	326.72 724.16 - - - - 224.50	once once per year per year per year per year

connection, shall			per connection (assume			
complete an	NPDES PGMW II	current pra	4) per year		\$ -	per year
Each Co-Permittee,	Environmental		/ /			, ,
upon confirmation of an			per connection (assume			
illicit storm drain	OA II	current pra	4) per year		\$ -	per year
connection, shall			per connection (assume			
ensure the following: (i)	NPDES Plan Tech	current pra	4) per year		\$ -	per year
Termination of the			per connection (assume			
connection within 180	NPDES PGMW II	current pra	4) per year		\$ -	per year
Each Co-Permittee						
shall keep records of all						
illicit connection						
investigations and the						
enforcement actions						
taken to eliminate all						
illicit connections. Pg						
61	OA II	current pra	per year		\$ -	per year
Each Co-Permittee			per incident (assume 4)			
shall investigate	OA II	current pra	per year			per year
illicit/illegal discharges			per incident (assume 4)			
during or immediately	NPDES Plan Tech	current pra	. ,			per year
following containment			per incident (assume 4)			
	NPDES PGMW II	current pra	per year			per year
Each Co-Permittee			per incident (assume 4)			
	NPDES Plan Tech	current pra				per year
business day of			per incident (assume 4)			
discovery or a report of		current pra				per year
Each Co-Permittee	OA II	current pra			\$ -	per year
shall maintain records	NPDES Plan Tech	current pra			\$ -	per year
of all illicit/illegal	NPDES PGMW II	current pra	per year		\$ -	per year

One Time Costs by 3 months after adoption	######	Year 1 \$ 5,696.58 one time
One Time Costs by Year 1 after adoption	\$ 387.86	\$ 9,129.00 per year
One Time Costs by Year 2 after adoption	######	Year 2 \$ 12,725.32 one time
One Time Costs by Year 3 after adoption	\$ -	\$ 688.80 per year
One Time Costs by Year 4 after adoption	######	Year 3 \$ - one time
One Time Costs by Year 5 after adoption	######	\$ - per year
		Year 4 \$ 23,527.80 one time
Yearly Costs Beginning in Year 1	######	\$ - per year
Yearly Costs Beginning in Year 2	\$ 688.80	Year 5 \$ 19,068.36 one time
Yearly Costs Beginning in Year 3	\$ -	\$ - per year
Yearly Costs Beginning in Year 4	\$ -	
Yearly Costs Beginning in Year 5	\$ -	Annual Co: \$ 22,006.63 per year
		One Time (\$ 10,034.98 one time
Two time costs	######	
Annual Costs	######	Total One 5 71,053.04
		Average Y \$ 31,686.67
Unknown Time Line Costs - Yearly	######	
Unknown Time Line Costs - One Time	######	Total Term \$ 229,486.38
		Ave Per Ye \$ 45,897.28

Permit Term Costs



September 1, 2009

John Short, Senior Water Resources Control Engineer North Coast Regional Water Quality Control Board 5550 Skylane Boulevard, Suite A Santa Rosa, CA 95403

RE: CITY OF SANTA ROSA DETAILED COST ESTIMATE FOR DRAFT ORDER NO. R1-2009-0050 -DRAFT NPDES MUNICIPAL SEPARATE STORM SEWER SYSTEM DISCHARGE PERMIT

Dear John:

In response to your August 20, 2009 request for additional cost information, City staff has collaborated to extensively review the second draft National Pollutant Discharge Elimination System (NPDES) Storm Water Permit issued by the North Coast Regional Water Quality Control Board (Regional Water Board) to determine its implications on City staff/resources and current programming.

During the course of this review, the significant increase in cost for compliance has been repeatedly recognized as one of the biggest roadblocks to successfully implementing the new Permit as written. In recognition of this constraint, the City is providing the enclosed detailed cost estimate which identifies specific program components of the new Permit and their associated costs for your consideration. As requested, the total and increased costs to implement the new Permit are detailed as well as an estimated annual cost per household for comparison to state and national averages. The annual cost to implement the existing permit has also been provided as a reference as well as to demonstrate the significant amount of money currently spent on the City storm water management program for storm water permit compliance.

The City intends to continue its comprehensive, cost-effective storm water pollution control program to protect and improve water quality in the Santa Rosa's waterways. Since 1996, the City has maintained compliance with its storm water permit and has funded several beneficial elements beyond those required. These have included the Creek Stewardship program, an Environmental Crimes Detective, the award-winning Summer 2008 Storm Water & Creeks Program Summary, the Santa Rosa High School bioassessment educational program and more. Unfortunately, some of these effective and established program elements will need to be curtailed or cut to preserve funding for compliance with the new provisions within the Draft Permit.

The City is committed to improve water quality in Santa Rosa's waterways and to reduce/prevent storm water pollution. However, until additional funding sources are secured for the storm water program, achieving compliance with the new requirements presents a significant financial challenge to the City. It is hoped that this evaluation will serve as sufficient justification for the City's ongoing concerns about cost to the Regional Water Board and inspire cost saving revisions to the Draft Permit with appropriate sensitivity to local conditions.

UTILITIES DEPARTMENT
69 Stony Circle • Santa Rosa, CA 95401
Phone: (707) 543-4200 • Fax: (707) 543-3936

If there are any questions or concerns regarding the enclosed estimates, please contact Heaven Hix, Associate Civil Engineer-Storm Water at 543-4530 or hhix@srcity.org. Additionally, the City would be willing to meet in person to review the cost evaluation if deemed beneficial by the Staff.

Finally, it is the City's hope that with continued coordination between the Regional Water Board and the Copermittees that an effective and cost-efficient Permit will be adopted. Your efforts toward this regard are much appreciated.

Sincerely,

Rita M. Miller, P.E. Supervising Engineer

cc: Mona Dougherty, NCRWQCB

Kevin Booker, SCWA

Nathan Quarles, Sonoma County PRMD

City of Santa Rosa Detailed Cost Estimate Based on Second Draft of Order R1 2009 0060

as requested by the North Coast Region of the California Regional Water Quality Control Board

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	Inited State and	ged by Catchelior of this Heavi	Annual	ed by the lift cate light of the w	Servit Chrest Pri	transport	Artitidites	ond lance	70 / 20 / 20 / 20 / 20 / 20 / 20 / 20 /	ten * transfer of the state of
SALARIES AND BENEFITS FOR STORMWATER PROGRAM STAFF		a <mark>Pantakka Masamania Idan (j. 14</mark> .)		E Secretario						
Storm water and Creeks Team			\$932,330		\$805,306	\$127,024	\$127,024	State of the state		Salary/benefits expenses associated with Storm Water & Creeks Team members involved in the storm water management program. Staff include 1 Associate Engineer, 2 Civil Eng'g Technicians, 1 Sr Environmental Specialist, 1.5 Environmental Specialists, 1 Admin Technician, 1 Senior Admin Assistant, 1 Quality Control Associate as well as a portion of time from a Supervising Engineer and Deputy Director. Also includes associated costs for supplies, training, overhead, etc. This does not include cost of staff when involved with non-storm water related projects, such as environmental permit coordination for CIP projects.
Environmental Crimes Detective			of forest derectory and the			N/A	\$58,458	nVildamojingskan		The City funds 1 full time position in the Police Dept. The cost is shared between the Storm Water Team and the Environmental Compliance section (to investigate/enforce illicit wastewater discharge concerns.)
Engineer in CD- SUSMP Review Coordination			\$71,534		\$71,534	\$0				Due to the economic slowdown, development fee payments to the City are at a minimum and are not sufficient to cover staff cost for SUSMP program coordination.
QCA in CD- Private Development, Site Inspection			\$37,060		\$37,060	\$0		Ţ		Cost for portion of site grading inspection staff.
Analyst for Mapping			\$10,000		\$7,226	\$2,774				To maintain/update storm drain mapping (mainlines, manholes, no laterals) on City GIS.
Marketing and Outreach Coordinator			\$32,500		\$32,500	\$0		Sported Comment of the Comment of th		Due to the extensive outreach requirements of the NDPES storm water permit/storm water management program, the team funds 3/8 of this full time position.
ADMINISTRATIVE		od visitaria kindusuka kasina kindusuka milindusuka 2004 d							NEWSCOLUMN NEWSCOLUMN	
RRWA fees			\$9,000		\$8,360	\$640				City membership in RRWA is beneficial to promote regional consistency in promoting storm water awareness and pollution prevention.
Annual Report Preparation					\$22,000	\$0				For cost savings, the Permittees will prepare the '09-10 Annual Report in-house, thereby eliminating the consultant fee associated with this task.
Annual Fee for Storm Water Permit			\$10,000		\$9,300	\$700				One third of total permit fees for the NDPES storm water permit are paid by each Permittee. Cost shown reflects City share.
Legal and Technical Services- Outside			unknown		\$30,000	\$0				Costs dependent on final determination of requirements in renewed NPDES storm water permit.
Collection of Storm Water Utility Funds			\$24,000		\$24,000	, \$ 0				County fee, this method is the most cost effective means of collection, annually placed on the County tax roll.
PROGRAMS								\$000 B		
Modify programs, storm water ordinance, protocols, design standards, specifications and municipal codes to assure compliance with storm water permit requirments.	\$100,000					\$0		20		Process to include significant staff time including planners, engineers, technical staff, legal council, review committee, City Council.
Additional Inspections for Restaurants Auto Service Facilities, Retail Gas Outlets (RGO) and Nurseries.	\$8,000	(4 hours/ facility) x (2 inspectors) x (15 facilities) for smoke and/or dye testing + other inspection	\$2,000	2 hour follow-up inspection		\$2,000		31		Current best estimate of additional staffing needed to comply with proposed requirements, above and beyond current inspection requirements.
STORM DRAIN MAINTENANCE/CREEK/ MAPPING							10.00		Missis in a s	
Street Sweeping (decrease in required frequency)			\$200,000		\$576,052	N/A				Cleaning is funded through both the storm water utility and the General Fund.
SAC Crews						N/A	\$35,000			Crews coordinated through SCWA for manual creek maintenance.
100% decaled catch basins	\$25,000	Quarter time position to identify need.	\$25,000	Quarter time position for maintenance.		\$25,000		22-23	2(a)(1)	Based on best professional judgment of effort required to meet proposed permit requirements.

City of Santa Rosa Detailed Cost Estimate Based on Second Draft of Order R1 2009 0060

as requested by the North Coast Region of the California Regional Water Quality Control Board

	hited startup	perrit caculator duitables	Arma C	ost of the fruit	strit Christian	ud ins Partill Incresses in	riting feat.	ord lare	\$ /20ge	Herr.*
"No Dumping" signs			\$4,000	\$400 design and installation x 10 signs/yr		\$4,000		22	2(a)(1	Cost included bracket, pole, staff time, equip, etc.
8 Clean catch basins for priority A	\$500,000	New vactor truck	\$562,512	Additonal quarter time supervisor, 2 full time maintenance workers, quarter time tech position.	\$312,512	\$250,000		56-57	9	Costs based on going from cleaning once a year to 3 times for high priority catch basins.
9 Inspect and maintain all treatment control BMPs, including post development treatment controls.	\$25,000	160 hrs tech position, 80 hrs crew supervisor, + creation of database	\$100,000	80 hrs tech position, 80 hrs crew supervisor, 360 hrs maintenance worker		\$100,000		58	9(h)	Based on best professional judgment of effort required to meet proposed permit requirements.
OUTREACH									0 (347) (22)	
High School Education Outreach Program			V de la companya de l			N/A	\$22,000			Based on actual costs paid to Envirichment and Sotoyome Resource Conservation Distraction for program implementation. Cost of City coordination included in SW&C Team cost noted above.
2 Environmental Discovery Center			\$15,000			\$15,000		100 March 100 Ma		Based on actual annual contributions to EDC to support annual six- month "Down the Drain" exhibit which features storm water pollution prevention education/outreach geared toward elementary school students.
Our Water Our World Program, Spanish Ads, Movie Theater Ads					\$29,000	\$0		1		Based on actual costs.
Fact Sheets and Outreach Promo Materials			\$9,500		\$9,500	\$0			1	Based on actual costs.
Behavioral Assessments	\$80,000					\$0		22	1B	Based on hire of consultant to conduct a before and after study of observed behavior of randomly selected sample of the population.
Additional Spanish speaking outreach	\$50,000	Initial design and development of materials and target audience.	\$9,000	(3 videos x \$2500 each) +(\$1500 for 400 brochures/yr)		\$9,000		23	2	Require the services of social studies professionals and focus groups to assess if outreach methods were "culturally effective."
Pollutant Specific Outreach			\$18,500	(20,000 brochures x \$0.20 ea) + \$8,500 for radio add + \$4,000 for cinema add + \$2,000 for 2 videos		\$18,500		24	Part 2 (d	Considering outreach to homes and business only.
Additional costs of Outreach material	\$10,000		\$7,000			\$7,000		24	3(a)(1)	Based on current print job cost of \$3,500 + expansion of target audience.
Educational Material for K-12 School Children	\$18,000	Work with educators for design and development (320 hr). Production of a song (\$2,000).	\$11,111	(20% of 27,778 students x \$2/student)		\$11,111		24	6&7	Outreach to include: Posters, videos, worksheets, music, teaching materials, displays, and class room kits.
Community Survey covered in PIPP	\$25,000		·			\$0		22	1A	Based on actual cost of Community Survey completed in FY 07-08.
SUSMP/DEVELOPMENT.							ATTENDED TO THE TOTAL OF THE TO	11311 15 AB 1070 1167 1667 1665 117 1287 1766	THE RESTRICT	
Decrease in SUSMP Project Threshold from 1 acre to 10,000sf; includes additional design/review and possible acquisition of additional right of way to maintain existing streets. (Requires SUSMP manual revision.)	\$20,000		\$1,034,000	((\$47,000,000 total project cost for road reconstruction for next 5 years+10% in new inpervious surface) x 10% for SUSMP)/ 5 years	\$20,000	\$1,014,000		37		Cost shown is based on understanding that this requirement will only apply to new impervious surface and road reconstrustion over 10,000sf. If requirement applies to all City projects over 10,000 sf, cost would be \$3,000,000 annually based on assumed 10% increase in CIP project cost, estimate calculated from 09/10 budgets for PW CIP, UT CIP (water & sewer) and CIP Laguna Treatment Plant of \$29,927,856. If threshold is kept at 1 acre (not reduced to 10,000 sf) savings to City would be \$660,000 over permit term, based on proposed road reconstruction project estimates.
Entitlement Process Review	\$16,000	4 staff x 80 hrs= 320 hrs	\$100,000	1 full time position		\$100,000		35	5(a)	Based on best professional judgment of effort required to meet proposed permit requirements.
New Development Final Plan Review	\$16,000	4 staff x 80 hrs= 320 hrs	\$100,000	1 full time position		\$100,000	2 1 2 1 3 1 3 1 3 1	36	6	Based on best professional judgment of effort required to meet proposed permit requirements.
SUSMP Guidance Formalization	\$2,000	40 hrs for manual acceptance				\$0		38		Process to include coordination by Permittees, technical revisions, administrative revisions, release of draft, presentation, review of comments, revisions, release of final, and training.
LID Technical Manual*	\$25,000	Implementation of LID to City practices (Manual to be produced by SCWA)	\$25,000	Quarter time position/ 1 yr		\$25,000		38	2(a)(3)	*May not be necessary if LID Manual being prepared by SCWA satisfies requirements.
LID Training	\$20,000	4 modules x \$5000 each	\$4,000	2 staff x 40 hrs= 80 hr		\$4,000		38	2(a)(4)	Based on best professional judgment of effort required to meet proposed permit requirements.

City of Santa Rosa Detailed Cost Estimate Based on Second Draft of Order R1 2009 0060

as requested by the North Coast Region of the California Regional Water Quality Control Board

	Inited State of Parties	cactalist of this hear	Armia	Caculation of the state of the	perfeit Correct Arts	Lita into Perini Nicre See In I	Prints New Per	ond land	\$ \\ \partial \(\frac{1}{2} \)	Hent's Explanation of
Hydromodification Control Plan (City cost shown assumes equal division of total cost between 3 compermittees)	\$33,340	1/3 of Consultant Report cost (\$100,000 total)	\$50,000	Half time position		\$50,000		40	2c(1)C	Based on best professional judgment of effort required to meet proposed permit requirements.
Interim Hydromodification Control (City cost shown assumes equal division of total cost between 3 compermittees)	\$8,340	1/3 of report cost (\$25,000 total)	\$5,000	staff time for implementation		\$5,000		40	2c(1)E	Based on best professional judgment of effort required to meet proposed permit requirements.
Maintenance Assurance Policy	\$16,000	4 staff x 80 hrs= 320 hrs				\$0		41	1	Based on best professional judgment of effort required to meet proposed permit requirements.
Tracking System	\$40,000	software/training	\$25,000	Quarter time position/1 yr		\$25,000		42	2(a)	Based on best professional judgment of effort required to meet proposed permit requirements.
Construction Final Inspection	\$8,000	2 staff x 80 hrs= 160 hr	\$100,000	1 full time position/ 1 yr		\$100,000		42	2(b)	Greater number of projects inspected due to lower project thresh
BMP Maintenance Inspection 2 yrs.	\$16,000	4 staff x 80 hrs= 320 hrs	\$100,000	1 full time position/ 1 yr		\$100,000		42	2(c)	Greater number of projects inspected due to lower project thresl
Maintenance Reporting by 3rd Party	\$16,000	4 staff x 80 hrs= 320 hrs	\$50,000	Half time position/ 1 yr		\$50,000		42	2(d)	Greater number of projects inspected due to lower project thres
Enforcement	\$80,000	4 staff x 40 hrs= 160 hrs	\$50,000	Half time position/ 1 yr		\$50,000		43	3(a)	Based on best professional judgment of effort required to meet proposed permit requirements.
SUSMP Manual Update (City cost shown assumes equal division of total cost between 3 compermittees)	\$50,000	1/3 of Consultant Report cost (\$150,000 total)	\$100,000	1 full time position		\$100,000		44	5	Based on best professional judgment of effort required to meet proposed permit requirements.
MONITORING ab analysis, testing and supplies		en paragrama yang aspertantak ya katalah da katalah da katalah da katalah da katalah da katalah da katalah da Balang balang balan	\$56,250	PHILISE PHILITY A CREMENTATION TO THE CONTROL OF TH	\$56,250	\$0			MINET FIL	Based on actual estimates provided by lab.
Flow weighted composite sampling for outfall monitoring at six locations. (City cost shown assumes equal division of total cost between City and County)	\$30,000	3 new automatic samplers	\$10,000	(\$2905.50 analysis cost per site + 50 hrs staff time) / 2		\$10,000		1	A1	Based on actual estimates provided by lab.
Monthly grab samples at two locations on Santa Rosa Creek (City cost shown assumes equal division of total cost between 3 compermittees)			\$7,000	((\$726.38 sampling cost per event x 2 sites x 4 events) + (2 positions x 6 hrs/event x 4 events))		\$7,000		2	A2	Based on actual estimates provided by lab.
Chronic Bioassays			\$15,000	(\$2013.33 per site x 3 sites/event x 2 events/yr)+(2 positions x 4 hrs/event x 2 events/year) + 40 hrs prep/year		\$15,000		3	B2	\$ 2013.33/site quote provided by Pacific EcoRisk
Bioassessment sampling	\$9,000	\$5,100 lab cost for 5 sites + 64 hrs				\$0		3	C1	Based on actual estimates provided by lab.
emperature Monitoring			\$2,500	52 hrs staff time		\$2,500		3	D1	Based on staff experience of past year's sampling efforts.
acteria Aerial Imagery	\$10,000	\$4000 for infrared flight + 120 hrs staff analysis				\$0		3	D2	\$4,000 quote from CBC construction
REEK STEWARDSHIP					tanggang separah salah terb			radin tanih Pari pari	edicini Companies	
Creek Trails and Storm Water Educational Map			\$4,700			\$4,700				
	THE SECOND REPORT OF TAXABLE BUILDINGS OF THE SECOND STATES		4		and the control of th					
reek Stewardship Outreach materials ducational Creek Crossing Signs			\$2,900 \$14,000			\$2,900 \$14,000	rtidi.Ass.			

Tot	tal Cost of Curr	ent Permit (5 Yea	ar Term)= \$10,253,000
Total Cost t	o Implement N	ew Permit (5 Yea	ar Term)= \$20,983,666
Total Increase in Cost t	o Implement N	ew Permit (5 Yea	ar Term)= \$10,730,666

Total Cost per Household for Current permit = \$27.38

Total Cost per Household for New Permit = \$49.25