

DRAFT Table 1: Cost Estimates for Watermaster Engineering Services -- FY 2022/23 DRAFT

Watermaster		Notes	Task	Total Labor			Other Direct Costs					Total Engineering Cost Estimate 2022/23	IEUA Cost Share	Watermaster Engineering Cost Estimate 2022/23	Expected Carryover from 2021/22	Proposed Watermaster Budget for Engineering Services 2022/23						
Account	Group			Person Days	Cost		Travel	New Equipment	Equip-ment Rental	Outside Pros	Lab					Repro-duction	Total ODCs			Task	Project	Account
					Task	Project											Account	Task	Project			
General Optimum Basin Management Program/Judgment Administration					\$1,143,215							\$7,413	\$1,150,628		\$1,124,614		\$1,124,614					
General Engineering					\$1,143,215	\$4,913	\$0	\$0	\$0	\$0	\$2,500	\$7,413	\$1,150,628		\$1,124,614		\$1,124,614					
8306, 8506, 8406, 6206, 6306	General	f	Pool, Advisory, Watermaster Meetings	55.0	\$110,924	\$2,092						\$2,092	\$113,016		\$113,016		\$113,016					
6901.8, 5901.8	General	f	Other General Meetings as Requested	39.0	\$79,584	\$1,521						\$1,521	\$81,105		\$81,105		\$81,105					
5935	General	abcC	Material Physical Injury Requests	44.0	\$81,472							\$81,472	\$81,472		\$81,472		\$81,472					
6906.71, 5906.71	General	f	Miscellaneous Data Requests - GM/Watermaster Staff	80.0	\$135,120	\$300						\$300	\$135,420		\$135,420		\$135,420					
6906.72, 5906.72	General	f	Miscellaneous Data Requests - Non CBWM Staff/RFI	29.0	\$51,312								\$51,312		\$51,312		\$51,312					
6901.95	General	e	Annual Streamflow Monitoring Report - Water Rights Permit 21225	12.0	\$19,028								\$19,028		\$19,028		\$19,028					
6901.95	General	e	SGMA Reporting Requirement for WC Section 10720.8 (f)	10.8	\$18,286								\$18,286		\$18,286		\$18,286					
6906	General	f	Project Management	25.5	\$44,180								\$44,180		\$44,180		\$44,180					
5906.1	General	bdC	Watermaster Model Application and Required Demonstrations	43.3	\$71,574	\$100						\$100	\$71,674		\$71,674		\$71,674					
6901.95	General	e	Compliance with SWRCB Regulations Regarding Measurement and Reporting Diversion of Water	9.0	\$15,448								\$15,448		\$15,448		\$15,448					
6906.26	General	f	Support Development of 2020 OBMP CEQA Documentation, Implementation Plan, and Peace Agreement Amendment	157.1	\$276,399	\$400						\$400	\$276,799		\$276,799		\$276,799					
5945	General	eJ	Assist Watermaster in Preparing the 45th Annual Report	8.5	\$15,320								\$15,320		\$15,320		\$15,320					
6906.21	General	f	2022 State of the Basin Report	114.0	\$173,040					\$2,500	\$2,500	\$175,540	\$175,540		\$175,540		\$175,540					
7220	General	f	Integrated Model Meetings and Technical Review - 50% IEUA Cost Share	25.0	\$51,528	\$500						\$500	\$26,014	\$26,014		\$26,014		\$26,014				
Program Element 1: Comprehensive Monitoring Program					\$709,603							\$274,683	\$984,286		\$892,600		\$892,600					
7502 Groundwater and Surface Water Quality Monitoring					\$201,333	\$3,053	\$0	\$3,730	\$0	\$52,513	\$0	\$59,296	\$260,630		\$260,630		\$260,630					
7502	PE1/GWQMP	abcd	GWQMP: KEY	5.3	\$8,650							\$8,650	\$8,650		\$8,650		\$8,650					
7502	PE1/GWQMP	abcd	GWQMP: FIELD-as needed field support	16.0	\$16,208	\$1,463		\$1,190				\$2,653	\$18,861		\$18,861		\$18,861					
7505	PE1/GWQMP	abcd	GWQMP: LAB	0.0					\$28,849			\$28,849	\$28,849		\$28,849		\$28,849					
7502	PE1/GWQMP	abcd	GWQMP: DB-Field-Lab	7.0	\$10,620							\$10,620	\$10,620		\$10,620		\$10,620					
7502	PE1/GWQMP	abcd	GWQMP: DB-CBDC	72.0	\$106,448							\$106,448	\$106,448		\$106,448		\$106,448					
7502	PE1/GWQMP	abcd	GWQMP: As Needed Support/Characterize GW Quality Conditions/Trends	8.8	\$14,476							\$14,476	\$14,476		\$14,476		\$14,476					
7502	PE1/HCMP	Ccd	HCMP: GWQ/SWQ - SARWC/NAWQA/SAR	13.6	\$15,482	\$565		\$1,140				\$1,705	\$17,187		\$17,187		\$17,187					
7505	PE1/HCMP	Ccd	HCMP: GWQ/SWQ - SARWC/NAWQA/SAR - LAB	0.0					\$8,638			\$8,638	\$8,638		\$8,638		\$8,638					
7502	PE1/HCMP	Ccd	HCMP: GWQ HCMP MWs	9.8	\$9,875	\$900		\$1,280				\$2,180	\$12,055		\$12,055		\$12,055					
7505	PE1/HCMP	Ccd	HCMP: GWQ HCMP MWs - LAB	0.0					\$15,026			\$15,026	\$15,026		\$15,026		\$15,026					
7502	PE1/RWGRP	ce	PBHSP: GWQMP	3.4	\$5,342							\$5,342	\$5,342		\$5,342		\$5,342					
7502	PE1/RWGRP	ce	PBHSP: SWQMP	11.3	\$14,232	\$125		\$120				\$245	\$14,477		\$14,477		\$14,477					
7104.3 Groundwater Level Monitoring Program					\$212,310	\$5,927	\$8,724	\$3,456	\$10,000	\$0	\$0	\$28,107	\$240,417		\$240,417		\$240,417					
7104.3	PE1/GWLMP	abcd	GWLMP: HCMP/GWR/MZ1/MZ3/MWL: SCHED	4.0	\$7,488							\$7,488	\$7,488		\$7,488		\$7,488					
7104.3	PE1/GWLMP	abcd	GWLMP: KEY	3.0	\$4,776							\$4,776	\$4,776		\$4,776		\$4,776					
7104.3	PE1/GWLMP	abcd	GWLMP: HCMP/GWR/MZ1/MZ3/MWL: FIELD	42.0	\$44,440	\$3,200		\$3,200				\$6,400	\$50,840		\$50,840		\$50,840					
7104.3	PE1/GWLMP	abcd	GWLMP: HCMP/GWR/MZ1/MZ3/MWL: DB-WL	31.2	\$43,693							\$43,693	\$43,693		\$43,693		\$43,693					
7104.3	PE1/GWLMP	abcd	GWLMP: DB-CBDC	32.0	\$44,736							\$44,736	\$44,736		\$44,736		\$44,736					
7104.3	PE1/GWLMP	abcd	GWLMP: FIELD-As needed field support	8.8	\$8,595	\$848		\$256				\$1,104	\$9,699		\$9,699		\$9,699					
7104.3	PE1/GWLMP	e	CASGEM Reporting	4.9	\$7,314							\$7,314	\$7,314		\$7,314		\$7,314					
7104.3	PE1/GWLMP	abcd	GWLMP: As Needed Support/Characterize GW Level and Storage Conditions	8.0	\$13,116							\$13,116	\$13,116		\$13,116		\$13,116					
7104.8	PE1/GWLMP	abcd	GWLMP: Contract Services					\$10,000				\$10,000	\$10,000		\$10,000		\$10,000					
7104.9	PE1/GWLMP	abcd	GWLMP: Capital Equipment (Transducers)					\$8,000				\$8,000	\$8,000		\$8,000		\$8,000					
7104.3	PE4/MZ-1	abC	GWLMP: Northwest MZ-1 Area: GWLMP	18.0	\$21,168	\$1,254		\$544				\$1,798	\$22,966		\$22,966		\$22,966					
7104.3	PE1/RWGRP	ce	GWLMP: PBHSP	14.0	\$16,984	\$625		\$180				\$805	\$17,789		\$17,789		\$17,789					
7402 MZ-1 Ground Level Monitoring Program					\$72,912	\$1,848	\$2,250	\$374	\$118,167	\$0	\$1,596	\$124,235	\$197,147		\$197,147		\$197,147					
Subtask 1 - Setup and Maintenance of the Monitoring Network												\$36,108		\$36,108								
7402	PE1/GLMP	abC	MZ1-GLMP: Setup and Maintenance of Monitoring Network	14.0	\$21,440	\$1,056		\$250		\$152		\$1,458	\$22,898		\$22,898		\$22,898					
7408	PE1/GLMP	abC	MZ1-GLMP: Setup and Maintenance of Monitoring Network - Equipment	4.0	\$7,280	\$264		\$2,000		\$70		\$5,930	\$13,210		\$13,210		\$13,210					
Subtask 2 - MZ-1: Aquifer-System Monitoring and Testing												\$31,424		\$31,424								
7402	PE1/GLMP	abC	MZ1-GLMP: Aquifer System Monitoring and Testing	20.0	\$30,744	\$528		\$152				\$680	\$31,424		\$31,424		\$31,424					
Subtask 3 - Basin-Wide: InSAR												\$90,864		\$90,864								
7402	PE1/GLMP	abC	BW-GLMP: InSAR	3.0	\$5,864							\$5,864	\$5,864		\$5,864		\$5,864					
7403	PE1/GLMP	abC	BW-GLMP: InSAR - Outside Pro						\$85,000			\$85,000	\$85,000		\$85,000		\$85,000					
Subtask 4 - Ground-Level Surveys												\$38,751		\$38,751								
7402	PE1/GLMP	abC	MZ1-GLMP: Ground Level Surveys	4.5	\$7,584							\$7,584	\$7,584		\$7,584		\$7,584					
7406	PE1/GLMP	abC	MZ1-GLMP: Ground Level Surveys - Outside Pro						\$31,167			\$31,167	\$31,167		\$31,167		\$31,167					
7302 Prado Basin Habitat Monitoring, Data Analysis and Reporting - 50% IEUA Cost Share					\$139,328	\$270	\$0	\$0	\$43,775	\$0	\$0	\$44,045	\$183,373		\$91,687		\$91,687					
7302	PE1/RWGRP	ce	PBHSP - Vegetation Monitoring Program	17.3	\$30,332							\$30,332	\$15,166	\$15,166		\$15,166						
7306	PE1/RWGRP	ce	PBHSP - Vegetation Monitoring Program - Outside Pro						\$43,500			\$43,500	\$21,750	\$21,750		\$21,750						
7302	PE1/RWGRP	ce	PBHSP - Climate Monitoring Program	1.3	\$1,902				\$275			\$275	\$1,089	\$1,089		\$1,089						
7302	PE1/RWGRP	ce	PBHSP - Prepare Annual Report	52.5	\$86,960	\$180						\$180	\$87,140	\$43,570	\$43,570		\$43,570					
7302	PE1/RWGRP	ce	PBHSP - Meetings and Project Administration	10.3	\$20,134	\$90						\$90	\$20,224	\$10,112	\$10,112		\$10,112					
7202 Recharge and Well Monitoring Program: Pursuant to the Groundwater Recharge Permit and Maximum Benefit					\$30,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,600		\$30,600		\$30,600					
7202	PE1/RWGRP	e	RWGRP: Review Documents for Chino Basin Recycled Water GW Recharge Program	16.5	\$30,600								\$30,600		\$30,600		\$30,600					

DRAFT Table 2: Comparison of Watermaster Engineering Costs DRAFT
FY 2022/23 versus FY 2021/22

FY 2021/22 Account No.	FY 2022/23 Account No(s).	Task	Watermaster Engineering Cost Estimate FY 22/23 ¹	Watermaster Engineering Cost Estimate FY 21/22 ²	Net Change
General Optimum Basin Management Program/Judgment Administration			\$1,124,614	\$608,984	\$515,629
6906.31	8306, 8506, 8406, 6206, 6306	Pool, Advisory, Watermaster Meetings	\$113,016	\$108,000	\$5,016
6906.32	6901.8, 5901.8	Other General Meetings as Requested	\$81,105	\$77,137	\$3,968
6906.74	5935	Material Physical Injury Requests, Other	\$81,472	\$77,398	\$4,074
6906.71	6906.71, 5906.71	Miscellaneous Data Requests - GM/Watermaster Staff	\$135,420	\$133,068	\$2,352
6906.72	6906.72, 5906.72	Miscellaneous Data Requests - Non CBWM Staff/RFI	\$51,312	\$50,088	\$1,224
6906.22	6901.95	Annual Streamflow Monitoring Report - Water Rights Permit 21225	\$19,028	\$17,984	\$1,044
6906.23	6901.95	SGMA Reporting Requirement for WC Section 10720.8 (f)	\$18,286	\$15,598	\$2,688
6906	6906	Project Management	\$44,180	\$41,896	\$2,284
6906.1	5906.1	Watermaster Model Application and Required Demonstrations	\$71,674	\$15,112	\$56,562
6906.24	6901.95	Compliance with SWRCB Regulations Regarding Measurement and Reporting Diversion of Water	\$15,448	\$12,204	\$3,244
6906.26	6906.26	Support Development of 2020 OBMP CEQA Documentation, Implementation Plan, and Peace Agreement Amendment	\$276,799	\$0	\$276,799
6906.81	5945	Assist Watermaster in Preparing the 45th Annual Report	\$15,320	\$14,626	\$694
6906.21	6906.21	2020 State of the Basin Report	\$175,540	\$0	\$175,540
6906.15	7220	Integrated Model Meetings and Technical Review - 50% IEUA Cost Share	\$26,014	\$45,874	(\$19,860)
7100 Program Element 1: Comprehensive Monitoring Program			\$892,600	\$1,010,055	(\$117,455)
7103	7502	Groundwater Quality Monitoring Program	\$260,630	\$269,350	(\$8,721)
7104	7104.3, 7104.8, 7104.9	Groundwater Level Monitoring Program	\$240,417	\$220,793	\$19,623
7107	7402, 7403, 7406, 7408	Ground Level Monitoring Program	\$197,147	\$337,882	(\$140,735)
7108.31	7302, 7306	PBHSP - Monitoring Program	\$91,687	\$71,754	\$19,933
7109.3	7202	Review Documents for Chino Basin Recycled Water GW Recharge Program	\$30,600	\$33,208	(\$2,608)
7110.3	5925	Agriculture Production Estimation	\$57,552	\$56,910	\$642
7111.3	5965	Support for Implementation of Improved Data Collection and Management Process	\$14,568	\$20,158	(\$5,590)
7200 Program Element 2: Comprehensive Recharge Program			\$421,249	\$267,190	\$154,059
7202.2	7202.2	PE2: GRCC Meetings	\$14,840	\$13,848	\$992
7202.2	7202.2	PE2: RIPComm Meetings	\$14,472	\$13,548	\$924
7202.2	7202.2	PE2: As-requested Technical Support on the start-up of the 2013 RMPU projects	\$29,004	\$27,368	\$1,636
7202.2	7202.2	PE2: Engineering Services for Other Recharge Improvement Projects	\$96,000	\$120,000	(\$24,000)
7206.1	7208	SB88 Specification to Ensure Compliance with Regulations - GRCC/IEUA Cost Share	\$54,013	\$54,694	(\$682)
7210	7210	2023 Recharge Master Plan Update	\$212,920	\$37,732	\$175,188
7300 Program Elements 3 & 5: Water Supply Plan - Desalter			\$19,776	\$22,284	(\$2,508)
7303	7303	PE3-5: Engineering Support for Desalters	\$19,776	\$22,284	(\$2,508)
7400 Program Element 4: Management Zone Strategies			\$316,333	\$375,933	(\$59,600)
7402	7402	PE4/MZ-1: Data Analyses, Reports, Meetings, and Administration	\$144,195	\$139,806	\$4,389
7402.1	7402.1	PE4: Subsidence Management Plan for Northwest MZ-1	\$172,138	\$236,127	(\$63,989)
7500 Program Elements 6 & 7: Cooperative Efforts/Salt Management			\$209,991	\$284,296	(\$74,305)
7502	7502	PE6-7: As-needed consulting for Plumes and Maximum Benefit Annual Reporting	\$146,404	\$111,916	\$34,488
7510	7510	Update IEUA's Recycled Water Permits/Maximum Benefit Salinity Management Plan for the Chino Basin - IEUA Cost Share	\$28,662	\$73,975	(\$45,313)
7511	7511	As Requested Services to Review of Work Performed by Santa Ana Watershed BMPTF	\$23,909	\$26,405	(\$2,496)
7508	7508	Follow-on work for the mitigation plan for the temporary loss of Hydraulic Control - IEUA Cost Share	\$11,016	\$72,000	(\$60,984)
7600 Program Elements 8 & 9: Storage Management/Conjunctive Use			\$518,861	\$414,912	\$103,950
7610	7610	Support Implementation of the 2020 Storage Management Plan	\$43,220	\$43,220	\$0
7612	7612	Support Watermaster Review of Storage and Recovery Program - Ad Hoc Applications	\$0	\$0	\$0
7614	7614	Support Implementation of the Safe Yield Court Order	\$475,641	\$371,692	\$103,950
Totals			\$3,503,423	\$2,983,654	\$519,769

Notes:

¹ Total engineering cost estimate (\$3,717,774) minus estimated IEUA cost share contribution (\$213,705) from Table 1

² Total engineering cost estimate minus estimated IEUA cost share contribution

DRAFT Table 3: Variance Explanations for Engineering Costs DRAFT
FY 2022/23 versus FY 2021/22

FY 2021/22 Account No.	FY 2022/23 Account No(s).	Task	Change from FY 21/22	Variance Explanation
General Optimum Basin Management Program/Judgment Administration			\$515,629	
6906.31	8306, 8506, 8406, 6206, 6306	Pool, Advisory, Watermaster Meetings	\$5,016	
6906.32	6901.8, 5901.8	Other General Meetings as Requested	\$3,968	
6906.74	5935	Material Physical Injury Requests, Other	\$4,074	
6906.71	6906.71, 5906.71	Miscellaneous Data Requests - GM/Watermaster Staff	\$2,352	
6906.72	6906.72, 5906.72	Miscellaneous Data Requests - Non CBWM Staff/RFI	\$1,224	
6906.22	6901.95	Annual Streamflow Monitoring Report - Water Rights Permit 21225	\$1,044	
6906.23	6901.95	SGMA Reporting Requirement for WC Section 10720.8 (f)	\$2,688	
6906	6906	Project Management	\$2,284	
6906.1	5906.1	Watermaster Model Application and Required Demonstrations	\$56,562	The scope in FY2022/23 includes the balance of recharge and discharge investigation and an assessment of the cumulative impact of transfers, which were not completed in FY 2021/22.
6906.24	6901.95	Compliance with SWRCB Regulations Regarding Measurement and Reporting Diversion of Water	\$3,244	
6906.26	6906.26	Support Development of 2020 OBMP CEQA Documentation, Implementation Plan, and Peace Agreement Amendment	\$276,799	Appropriate Pool recommended no work on this task during FY 2021/22; it is anticipated that this work will commence in FY 2022/23 and include use of the CVM to conduct additional simulations.
6906.81	5945	Assist Watermaster in Preparing the 45th Annual Report	\$694	
6906.21	6906.21	2022 State of the Basin Report	\$175,540	The State of the Basin Report is prepared every two years. In FY2022/23, the report will be prepared.
6906.15	7220	Integrated Model Meetings and Technical Review - 50% IEUA Cost Share	(\$19,860)	Less coordination and fewer meetings with the Valley District, Valley District task force, and the Regional Board regarding the modeling of water quality in the Chino Basin are contemplated in FY 2022/23.
7100 Program Element 1: Comprehensive Monitoring Program			(\$117,455)	
7103	7502	Groundwater and Surface Water Quality Monitoring Program	(\$8,721)	The decrease in budget is due the removal of the triennial sampling of 17 PBHSP monitoring wells in FY 2022/23. The wells be be sampled in FY 2024/2025.
7104	7104.3, 7104.8, 7104.9	Groundwater Level Monitoring Program	\$19,623	An increase in the required field work for all Watermaster's groundwater-level monitoring programs to have two field staff each day for each program for safety and efficiencies
7107	7402, 7403, 7406, 7408	Ground Level Monitoring Program	(\$140,735)	(1) Carryover budget from 2019/20 was added to the 2021/22 budget to pay for late sub-contractor invoices. (2) Reduced scope of work associated with ground-level surveying in 2022/23.
7108.31	7302, 7306	PBHSP Monitoring Program	\$19,933	The increase in cost in FY 2022/23 is due to the triennial field vegetation surveys being performed this year.
7109.3	7202	Review Documents for Chino Basin Recycled Water GW Recharge Program	(\$2,608)	
7110.3	5925	Agriculture Production Estimation	\$642	
7111.3	5965	Support for Implementation of Improved Data Collection and Management Process	(\$5,590)	This is a multi-year project. The decrease is due to the partial completion of the effort in FY 2021/22.
7200 Program Element 2: Comprehensive Recharge Program			\$154,059	
7202.2	7202.2	PE2: GRCC Meetings	\$992	
7202.2	7202.2	PE2: RIPComm Meetings	\$924	
7202.2	7202.2	PE2: As-requested Technical Support on the start-up of the 2013 RMPU projects	\$1,636	
7202.2	7202.2	PE2: Engineering Services for Other Recharge Improvement Projects	(\$24,000)	This is a multi-year project. The decrease is due to the partial completion of the effort in FY 2021/22.
7206.1	7208	SB88 Specification to Ensure Compliance with Regulations	(\$682)	

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FY 2022/23 versus FY 2021/22

FY 2021/22 Account No.	FY 2022/23 Account No(s).	Task	Change from FY 21/22	Variance Explanation
7210	7210	2023 Recharge Master Plan Update	\$175,188	The scope for FY 2021/2022 was to prepare the scope of the 2023 RMPU. The scope for FY 2022/23 is to prepare the 2023 RMPU.
7300 Program Elements 3 & 5: Water Supply Plan - Desalter			(\$2,508)	
7303	7303	PE3-5: Engineering Support for Desalters	(\$2,508)	
7400 Program Element 4: Mgmt Zone Strategies			(\$59,600)	
7402	7402	PE4/MZ-1: Data Analyses, Reports, Meetings, and Administration	\$4,389	
7402.1	7402.1	PE4: Subsidence Management Plan for Northwest MZ-1	(\$63,989)	The subsidence models will be completed in 2021/22. The scope of work in 2022/23 is less expensive than in 2021/22.
7500 Program Elements 6 & 7: Coop Efforts/Salt Mgmt			(\$74,305)	
7502	7502	PE6-7: As-needed consulting for Plumes and Maximum Benefit Annual Reporting	\$34,488	In increase is due to a new task in FY 2022/23 to prepare a scope for a grant-funded PFAS Study in Chino Basin.
7510	7510	Update IEUA's Recycled Water Permits/Maximum Benefit Salinity Management Plan for the Chino Basin - IEUA Cost Share	(\$45,313)	This is a multi-year project and the level of effort in FY 2022/23 is less than FY 2021/22.
7511	7511	As Requested Services to Review of Work Performed by Santa Ana Watershed BMPTF	(\$2,496)	
7508	7508	Prepare an updated plan for mitigation of temporary loss of Hydraulic Control - IEUA Cost Share	(\$60,984)	This was a new task in FY 2021/22 and a requirement of the Regional Board. The work will be completed in FY 2022/23.
7600 Program Elements 8 & 9: Storage Mgmt/Conj Use			\$103,950	
7610	7610	Support Implementation of the 2020 Storage Management Plan	\$0	This budget will be carryover from FY 2021/22.
7612	7612	Support Watermaster Review of Storage and Recovery Program - Ad Hoc Applications	\$0	
7614	7614	Support Implementation of the Safe Yield Court Order	\$103,950	This is a multi-year project. The scope in FY 2022/23 is greater than the prior year to include work to update the CVM.
Total			\$519,769	

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DRAFT Table 4: Engineering Cost Estimates by Expense Category* DRAFT

FY 2022/23

Account No.	Task	Total Engineering Cost Estimates	Expense Category							
			WY Labor Expense	WY Travel Expense	Equipment Rental	Repro Expense	Equipment Purchases	Lab Expense	Outside Pros	
General Optimum Basin Management Program/Judgment Administration			\$ 1,150,628	\$ 1,143,215	\$ 4,913	\$ -	\$ 2,500	\$ -	\$ -	\$ -
8306, 8506, 8406, 6206, 6306	Pool, Advisory, Watermaster Meetings	\$ 113,016	110,924	2,092	-	-	-	-	-	-
6901.8, 5901.8	Other General Meetings as Requested	\$ 81,105	79,584	1,521	-	-	-	-	-	-
5935	Material Physical Injury Requests, Other	\$ 81,472	81,472	-	-	-	-	-	-	-
6906.71, 5906.71	Miscellaneous Data Requests - GM/Watermaster Staff	\$ 135,420	135,120	300	-	-	-	-	-	-
6906.72, 5906.72	Miscellaneous Data Requests - Non CBWM Staff/RFI	\$ 51,312	51,312	-	-	-	-	-	-	-
6901.95	Annual Streamflow Monitoring Report - Water Rights Permit 21225	\$ 19,028	19,028	-	-	-	-	-	-	-
6901.95	SGMA Reporting Requirement for WC Section 10720.8 (f)	\$ 18,286	18,286	-	-	-	-	-	-	-
6906	Project Management	\$ 44,180	44,180	-	-	-	-	-	-	-
5906.1	Watermaster Model Application and Required Demonstrations	\$ 71,674	71,574	100	-	-	-	-	-	-
6901.95	Compliance with SWRCB Regulations Regarding Measurement and Reporting Diversion of Water	\$ 15,448	15,448	-	-	-	-	-	-	-
6906.26	Support Development of 2020 OBMP CEQA Documentation, Implementation Plan, and Peace Agreement Amendment	\$ 276,799	276,399	400	-	-	-	-	-	-
5945	Assist Watermaster in Preparing the 45th Annual Report	\$ 15,320	15,320	-	-	-	-	-	-	-
6906.21	2022 State of the Basin Report	\$ 175,540	173,040	-	-	2,500	-	-	-	-
7220	Integrated Model Meetings and Technical Review - 50% IEUA Cost Share	\$ 52,028	51,528	500	-	-	-	-	-	-
7100 Program Element 1: Comprehensive Monitoring Program			\$ 984,286	\$ 709,603	\$ 12,098	\$ 7,560	\$ 1,596	\$ 10,974	\$ 52,513	\$ 189,942
7502, 7505	Groundwater Quality Monitoring Program	\$ 260,630	201,333	3,053	3,730	-	-	52,513	-	-
7104.3, 7104.8, 7104.9	Groundwater Level Monitoring Program	\$ 240,417	212,310	5,927	3,456	-	8,724	-	10,000	-
7402, 7403, 7406, 7408	Ground Level Monitoring Program	\$ 197,147	72,912	1,848	374	1,596	2,250	-	118,167	-
7302, 7306	PBHSP Monitoring Program	\$ 183,373	139,328	270	-	-	-	-	43,775	-
7202	Review Documents for Chino Basin Recycled Water GW Recharge Program	\$ 30,600	30,600	-	-	-	-	-	-	-
5925	Agriculture Production Estimation	\$ 57,552	38,552	1,000	-	-	-	-	-	18,000
5965	Support for Implementation of Improved Data Collection and Management Process	\$ 14,568	14,568	-	-	-	-	-	-	-
7200 Program Element 2: Comprehensive Recharge Program			\$ 475,261	\$ 436,562	\$ 1,714	\$ -	\$ 36,985	\$ -	\$ -	\$ -
7202.2	PE2: GRCC Meetings	\$ 14,840	14,540	300	-	-	-	-	-	-
7202.2	PE2: RIPComm Meetings	\$ 14,472	14,472	-	-	-	-	-	-	-
7202.2	PE2: As-requested Technical Support on the start-up of the 2013 RMPU projects	\$ 29,004	28,004	1,000	-	-	-	-	-	-
7202.2	PE2: Engineering Services for Other Recharge Improvement Projects	\$ 96,000	95,586	414	-	-	-	-	-	-
7208	SB88 Specification to Ensure Compliance with Regulations	\$ 108,025	71,040	-	-	-	36,985	-	-	-
7210	2023 Recharge Master Plan Update	\$ 212,920	212,920	-	-	-	-	-	-	-
7300 Program Elements 3 & 5: Water Supply Plan - Desalter			\$ 19,776	\$ 19,776	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
7303	PE3-5: Engineering Support for Desalters	\$ 19,776	19,776	-	-	-	-	-	-	-
7400 Program Element 4: Mgmt Zone Strategies			\$ 316,333	\$ 303,748	\$ 456	\$ -	\$ 12,129	\$ -	\$ -	\$ -
7402	PE4/MZ-1: Data Analyses, Reports, Meetings, and Administration	\$ 144,195	131,748	318	-	12,129	-	-	-	-
7402.1	PE4: Subsidence Management Plan for Northwest MZ-1	\$ 172,138	172,000	138	-	-	-	-	-	-
7500 Program Elements 6 & 7: Coop Efforts/Salt Mgmt			\$ 252,629	\$ 250,848	\$ 1,481	\$ -	\$ 300	\$ -	\$ -	\$ -
7502	PE6-7: As-needed consulting for Plumes and Maximum Benefit Annual Reporting	\$ 146,404	145,704	400	-	300	-	-	-	-
7510	Update IEUA's Recycled Water Permit and Water Salinity MP - IEUA Cost Share	\$ 60,284	60,284	-	-	-	-	-	-	-
7511	As requested services to support Watermaster in its participation in and review of work performed by the Santa Ana Watershed Basin Monitoring Program Task Force	\$ 23,909	23,328	581	-	-	-	-	-	-
7508	Prepare an updated plan for mitigation of temporary loss of Hydraulic Control - IEUA Cost Share	\$ 22,032	21,532	500	-	-	-	-	-	-
7600 Program Elements 8 & 9: Storage Mgmt/Conj Use			\$ 518,861	\$ 516,169	\$ 1,692	\$ -	\$ 1,000	\$ -	\$ -	\$ -
7610	Support Implementation of the 2020 Storage Management Plan	\$ 43,220	42,728	492	-	-	-	-	-	-
7612	Support Watermaster Review of Storage and Recovery Program - Ad Hoc Applications	\$ -	-	-	-	-	-	-	-	-
7614	Support Implementation of the Safe Yield Court Order	\$ 475,641	473,441	1,200	-	1,000	-	-	-	-
Totals			\$ 3,717,774	\$ 3,379,921	\$ 22,354	\$ 7,560	\$ 17,525	\$ 47,959	\$ 52,513	\$ 189,942

Notes:

* Total engineering cost estimates include IEUA cost sharing contributions and Carryover