

Metropolitan Water District of Southern California

Templates Report by Organization Detail

Grouped By – Team

Filtered By – Water Resource Management

Version 1

Memberships, Outside Services - Non Prof, Professional Services, Repairs & Maintenance - Outside Services, Sponsorships, Training, Travel

Water Resource Management

00924-WRM, Office of Group Manager

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	Department of Consumer Affairs	PE Lic		115	
	Department of Consumer Affairs	Water Treatment Lic.			140
Total Memberships				115	140
Professional Services			25,000		
Total Professional Services			25,000		
Training		B. Goshi	5,000		
		Brandon: Climate change seminars/outreach 2x\$600		1,200	1,200
		Brandon: Leadership/management/negotiation 4x\$600		1,200	1,200
		Water Treatment Lic. Class			500
Total Training			5,000	2,400	2,900
Travel		B Goshi	10,000		
		B. Coffey		15,500	15,500
		B. Goshi		11,500	11,500
			15,000		
Total Travel			25,000	27,000	27,000
Total 00924-WRM, Office of Group Manager			55,000	29,515	30,040

00949-Office of Resource Planning & Dev Section Mgr

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	California Data Collaboration	Coalition of water utilities building data infrastructure and tools to analysis water usage and water use efficiency to ensure water reliability and use efficiency	10,000		
	California Urban Water Agencies	Coalition of large urban water agencies	60,000	60,000	60,000
	Southern Ca Water Committee Stormwater Taskforce	The Southern California Water Committee Stormwater Task Force brings together interests from water supply, stormwater management/flood control, groundwater management, environmental, business, and others to develop foundational actions for increasing water supply from stormwater capture. This assists with implementation of Metropolitan's IRP.	1,000		
	Western Urban Water Coalition	Coalition of water agencies working on federal water issues		35,000	35,000
	Western Urban Water Coalition	Coalition of western water agencies working on federal issues	30,000		
Total Memberships			101,000	95,000	95,000
Training	AGWA Groundwater Conference		250		
	General technical training		150		
	Groundwater Resources Association Workshops (2)		200		
		General Technical Training		400	400
Total Training			600	400	400
Travel		Local Travel for IRWMP's, MA coordinations etc.	200	200	200
		Planning and legislative support	1,400	1,200	1,200
		Statewide Planning (Sacramento Travel)	1,800	1,600	1,600
Total Travel			3,400	3,000	3,000
Total 00949-Office of Resource Planning & Dev Section Mgr			105,000	98,400	98,400

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00950-Office of Resource Impl Section Mgr

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	Dept of Consumer Affairs	1 P.E. License Renewal	200	200	200
	Southern California Salinity Coalition (SCSC)	Met benefits from the participation in the coalition through the coordination of salinity related activities and through increasing awareness of salinity problems facing Southern California.	10,000		
Total Memberships			10,200	200	200
Training	TBD	Agreement Administration	1,000		
	TBD	Manager Coaching and Training		1,500	1,500
	TBD	Training focused in units and teams	2,000		
Total Training			3,000	1,500	1,500
Travel	Ag Liason	Travel North of Delta		6,000	6,000
	Ag Liason	Water Transfer related (6x\$350)		5,000	5,000
	K. Donhoff	"SWC Committee & Board Meetings, Water Purchases, Monterey Litigation, Hyatt Cost Allocation, SWC Water Ops meetings (6x\$400 + 9x\$600 with lodging)"	7,800	5,000	5,000
	S. Hirsch	Travel North of Delta	600		
	S. Hirsch	Water Transfer related (6x\$350)	2,100		
Total Travel			10,500	16,000	16,000
Total 00950-Office of Resource Impl Section Mgr			23,700	17,700	17,700

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Water Resource Management

01020-Imported Supply Unit

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	Center for Snow and Avalanche Studies	Membership dues.		150	150
	Dept of Consumer Affairs	3 PE License Renewals		345	345
	Dept of Consumer Affairs	Estimate based on current staff with PE licenses that need to renew this fiscal year	500		
	MWD-Colorado River Authority of California	Amount paid to the Six Agency in dealing with Colorado River		30,000	30,900
	MWD-Colorado River Authority of California		20,200		
	Municipal Waqter Quality Investigations (MWQI)	3% escalation	216,600		
	Municipal Waqter Quality Investigations (MWQI)	SWP water quality monitoring with DWR		175,000	180,000
	North American Weather Modification Council	Consult with industry experts to generate additional snow	500		
	North American Weather Modification Council	Memberships Dues		500	500
	Rivers Edge West	Membership dues.		200	200
	SWC - Annual Bay/Delta Fund (SWC)	SWContractors activities related to Bay Delta.		2,238,000	2,238,000
	SWC - Annual Bay/Delta Fund (SWC)		2,238,000		
	Six Agency	Activities and issues related to the CR system.		767,000	788,000
	Six Agency	For future years, add 3%	693,000		
	State Water Contractors	General dues.		1,217,900	1,217,900
	State Water Contractors		1,217,900		
	State Water Contractors-Energy Fund	3% escalation	430,100		
	State Water Contractors-Energy Fund	SW Contractors activities related to energy issues.		430,100	430,100
	State Water Project Contractors Authority (SWPCA) - Admin	3% escalation	72,800		
	State and Federal Water Contractor Authority (SFWCA) Speical Project Committee (SWPCA-DSPC)		780,300		
Total Memberships			5,669,900	4,859,195	4,886,095
Professional Services	SK - Specialized Skill(s) Not Available	"Contingency for special projects and requests providing technical assistance and research of protested items, Reserve Reduction computation and Water System Revenue Bond surcharge verification"	50,000		
	SK - Specialized Skill(s) Not Available	Technical support for infrastructure related water supply impacts, including SWP Aqueduct Modeling Support and CALSIM SWP Supply Modeling to incorporate new operating criteria facilities.		50,000	50,000
	SK - Specialized Skill(s) Not Available	To complete the core audit of the annual State Water Project charges	936,500		
	SK - Specialized Skill(s) Not Available	To complete the core audit of the annual State Water Project charges. Assumes 3% escalation to fee schedule.		964,500	993,500
	SK - Specialized Skill(s) Not Available		100,000		
Total Professional Services			1,086,500	1,014,500	1,043,500
Training	TBD	Staff Training		2,000	2,000
	TBD	TBD	2,000		
Total Training			2,000	2,000	2,000
Travel	CRA	2026 Guidelines prep or misc. Basin States meetings in LAS or PHX. 2 trips @ \$300/trip.		600	600
	CRA	2026 Guidelines prep or misc. Basin States meetings in LAS or PHX. 3 trips @ \$300/trip		900	900
	CRA	Basin Study Program Pilot Study: Exploration of Quantification Methods for Deficit Irrigation, Seasonal Fallowing, and Irrigation Conversion of Irrigated Agriculture in the Lower Colorado River Basin (joint study with USBR, CAWCD, and SNWA). 1 meetings somewhere in LB (2 nights each = \$1,100)		1,100	
	CRA	Binational Work Group Meetings (Minute 323). 3 U.S.-MX meetings in Tijuana (2 days each = \$650), 3 U.S.-only meetings (1 day each = \$400)		2,400	
	CRA	CAP-ASU-NASA Long-Range Scenario Modeling Meetings. 2 meetings in Phoenix (1 day each = \$450)		850	950
	CRA	Colo. River Management Work Group meetings; Purpose: ensure availability of maximum amount of Colorado River water supply to Metropolitan		300	300
	CRA	Colorado River Basin Salinity Control Work Group/Forum Meetings. 2 Forum meetings (4 days each = \$1,500), 3 WG meetings (3 days each = \$1000) per year.		6,000	8,400

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01020-Imported Supply Unit

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Travel	CRA	Colorado River Water Users Association Annual Meeting; Purpose: represent Metropolitan at meetings held on various topics in conjunction with the Annual Meeting. Multiple day conference in Las Vegas, flights, hotels, meals and incidentals.		2,200	2,200
	CRA	Las Vegas IOPP Technical Committee / Decree Accounting		600	600
	CRA	Long Term augmentation of Colorado River Supply; Purpose: develop programs to increase amount of water in storage in Lake Mead increasing likelihood of availability of surplus water		300	300
	CRA	Minute 323 (3 work groups, pre-meets and official meets melded). 4 trips @ \$400/trip.		1,600	1,600
	CRA	Near Term Augmentation of Colorado River Supply. Purpose: develop and implement water management programs to permit diversion of additional water by Metropolitan.		300	300
	CRA	PVID CIF Meetings. Fuel and meals. Assuming four trips per year.		200	200
	CRA	QSA Coordination		600	600
	CRA	RiverWare User Group Meetings. 1 meeting in Boulder, CO (2 nights = \$1,100) x2 staff		2,200	2,200
	CRA	USBR State of the Science technical group. Technical group that meets around the State of the Science report, and other ongoing studies.		600	600
	CRA	WxMod Council/Association Meetings. 3 trips @ \$1,500/trip		2,250	2,250
	CRA		19,500		
	SWP		25,500		
	SWP/SWC	Los Angeles: Purpose: Attend staff meeting, training, and other work related functions.		2,000	2,000
	SWP/SWC	MWQI Specific Project Committee		1,800	1,800
	SWP/SWC	Modeling and Technical Support		600	300
	SWP/SWC	Sacramento - Audit Results Exit Conference with DWR. 1 trip x2 attendees.		600	600
	SWP/SWC	Sacramento - California Cooperative Snow Survey Workshop. Annual meeting.		300	
	SWP/SWC	Sacramento - Purpose: Attend Water Ops Committee meeting. 7 trips to Sacramento @ \$300 each x2 staff.		4,200	4,200
	SWP/SWC	Sacramento - SWC Audit Finance/OME Committees. 6 trips @450		2,700	2,700
	SWP/SWC	Sacramento - SWC Board meetings. 6 trips @450 (including hotel).		2,700	2,700
	SWP/SWC	Sacramento - SWC Energy Committee		1,800	1,800
	SWP/SWC	Sacramento - SWC OME Committee. 6 trips.		1,800	1,800
	SWP/SWC	Sacramento - water order, FERC, transfer and exchange related meetings. 2 trips		600	600
	SWP/SWC	Sacto - WSRB Surcharge Negotiations. 2 trips.		600	
	SWP/SWC	Sacto - WSRB Surcharge Negotiations. 4 trips.			1,200
	SWP/SWC	State Water Contractor -Audit and Finance Committee Mtgs. 11 trips		3,300	3,300
Total Travel			45,000	46,000	45,000
Total 01020-Imported Supply Unit			6,803,400	5,921,695	5,976,595

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Water Resource Management

01047-Supply Acquisition Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	TBD	P.E. License renewals	400	400	400
	WateReuse Assn of California	To promote and advocate statewide water recycling efforts to advance use of recycled water	11,000	11,000	11,000
Total Memberships			11,400	11,400	11,400
Professional Services	TBD	LRP Audits	60,000	60,000	60,000
Total Professional Services			60,000	60,000	60,000
Training	TBD		2,000	1,500	1,500
Total Training			2,000	1,500	1,500
Travel	IID	IID		650	650
	IID and PVID	IID and PVID		5,250	5,250
	Local Resource	Local Resource		4,800	4,800
	PVID	PVID		900	900
	SWP Storage Program	SWP Storage Program		400	400
	TBD	"EI Centro, CA and Blythe, CA re IID and PVID Program (MY)"	4,800		
	TBD	"USBR, Boulder City"	300		
	TBD	Annual Meeting/Research/WateReuse Conference	2,400		
	TBD	IID-MWD Water Conservation Program: Attend PCC Meeting (HR)	600		
	TBD	LRP Contract Administration and Conservation Meetings	200		
	TBD	Local Chapter of WateReuse in LA and SD	400		
	TBD	Meeting with USBR for program accounting	400		
	TBD	PVID related issues	900		
	TBD	Sacramento re Land Subsidence in San Joaquin Valley Water Storage Programs (JB)	400		
	TBD	Sacramento re Water Transfers and Exchanges (JB)	600		
	TBD	Sacramento regarding WateReuse Legislation Committee	400		
	TBD	San Diego: Attend annual GIS Conference	1,000		
	TBD	San Diego: Attend annual GIS conference	1,000		
	Transfers & Exchanges	Transfers & Exchanges		500	500
	Total Travel			13,400	12,500
Total 01047-Supply Acquisition Team			86,800	85,400	85,400

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Water Resource Management

01048-Water Efficiency Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	Alliance for Water Use Efficiency	"AWE is an advocate for water efficient products and programs, and provides information and assistance on water conservation efforts"	25,000		
	American Society of Mechanical Engineers (ASME)	ASME creates water efficient plumbing codes and standards. Metropolitan participates in the committee for these codes and standards.		160	160
	California Irrigation Institute	"The primary purpose of the Institute is to host an annual conference on California water issues; water use efficiency, water quality and surface and ground water management"	1,100		
	California Urban Water Conservation Council	Promote and advocate statewide water conservation efforts including best management practices and hosting education workshops for water agencies on conservation issues.	15,000		
	California Water Efficiency Partnership (CALWEP)	Provide collaboration with a wide variety of stakeholders; information sharing, resources, networking. Combined membership with Alliance for Water Efficiency (AWE)			40,000
	California Water Efficiency Partnership (CALWEP)	Provide collaboration with a wide variety of stakeholders; information sharing, resources, networking. Combined membership with Alliance for Water Efficiency (AWE).		40,000	
	Irrigation Association	Partnerships with irrigation manufacturers to advance new landscape technology and develop standard testing protocols to evaluate weather based irrigation controllers.	600	640	640
	PE License for M. Graham	Professional Engineers License, renews every 2 years. Due 6/30/2020		115	
	State Water Distribution Certification	D1 Operator License for K. Reger		70	70
	Water Use Efficiency Practitioner	AWWA WUE practitioner license		50	50
	WaterSmart Innovations	The Conference supports a wide range of professional sessions and workshops - along with an extensive exhibition of water-saving technologies and programs from around the world	2,500		
Total Memberships			44,200	41,035	40,920
Professional Services	A&N Technical	Statistical consulting and research services related to water conservation programs and water resource modeling		15,000	15,000
	AWE	Water conservation research - Cooling Towers, Landscape water use, Net Blue ordinance guidelines		40,000	40,000
	TBD	Research on new and existing programs or technologies including water savings, saturation, behavior etc.	165,000		
Total Professional Services			165,000	55,000	55,000
Sponsorships		AWE is an advocate for water efficient products and programs, and provides information and assistance on water conservation efforts.		2,500	2,500
		Provide collaboration with a wide variety of stakeholders; information sharing, resources, networking. Combined membership with Alliance for Water Efficiency (AWE)		500	500
		The primary purpose of the institute is to host an annual conference on California water issues, water user efficiency, water quality and surface and ground water management		10,000	10,000
		WaterSmart Innovations - The Conference supports a wide range of professional sessions and workshops along with an extensive exhibition of water-savings technologies and programs from around the world		5,000	5,000
Total Sponsorships				18,000	18,000
Training	ASCME/ANSI	Training Workshops		2,000	2,000
	TBD	Employee Development Training		2,400	2,200
	TBD	Training	2,000		
Total Training			2,000	4,400	4,200
Travel	ASCME/ANSI standards meeting			1,500	1,500
	AWE Board Meetings	2 meetings/yr and conferences		2,000	2,000
	CalWEP			2,000	2,000
	California Irrigation Institute	2 meetings/yr and conferences		2,000	2,000
	Department of Water Resources			800	800
	Member Agency meetings			800	800
	Presentations at Water Efficiency conferences/meetings			2,000	2,000
	Sacramento trips			2,500	2,500
	TBD	ASCME/ANSI standards meeting	900		
	TBD	CUWCC PAC Involvement	500		
	TBD	California Energy Commission	300		
	TBD	California Irrigation Institute	700		
TBD	California Public Utilities Commission	400			

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01048-Water Efficiency Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Travel	TBD	Department of Water Resources	700		
	TBD	Landscape Conference	700		
	TBD	Meetings on codes and standards and market transformation	350		
	TBD	Member Agency Meetings In-Region	300		
	TBD	NorCal/Sac for CalWEP	1,000		
	TBD	Regional Program Contract Compliance/Contract Management	1,600		
	TBD	Sac/Out of State for State/Fed Leg/Reg Support	800		
	TBD	Sacramento Trips	2,800		
	TBD	Water Smart Innovations Conference	2,500		
	WaterSmart innovations Conference			3,000	3,000
Total Travel			13,550	16,600	16,600
Total 01048-Water Efficiency Team			224,750	135,035	134,720

01082-Implementation Projects and Studies Unit

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	CaDC	Dues		5,000	5,000
	Dept of Consumer Affairs	1 P.E. License renewal	200		200
Total Memberships			200	5,000	5,200
Professional Services	DCSE	Remote Sensing Model Implementation/Research Agenda Software Development & Support		75,000	75,000
	Land IQ	Ground based ET, soil moisture, and Crop ID		75,000	75,000
	RESPEC	Data Management/Data Dashboards		75,000	50,000
	SWIIM Systems	Gate Measurement and Equipment Maintenance		50,000	50,000
	Spacial Wave	Turf Area and Crop Identification via remote sensing		50,000	50,000
	TBD	"Agricultural Desert Water Use Research including irrigation methods, crop selection, and crop management to scope and evaluate water savings opportunities in PVID and other high priority water uses on the Colorado River"	65,000		
	TBD	Colorado River water use study investigations (reflects mapping and monitoring fallow fields in the Palo Verde Irrigation District)	150,000		
	TBD	Remote Sensing Study	75,000		
	TBD	Water yielding management PVID lands	30,000		
Total Professional Services			320,000	325,000	300,000
Sponsorships		CA Water Policy Conference/Stanford Water Data Summit/Ag Conf Sponsorships		15,000	15,000
		Sponsorship of Annual Conference		5,000	5,000
Total Sponsorships				20,000	20,000
Training	CaDC	CaDC Data Summit		500	500
	TBD	Additional Specialized Training in Machine Learning		1,000	1,000
	TBD	Rstudio Conference, CO Law of the River, and other training		1,000	1,000
	TBD		2,000		
Total Training			2,000	2,500	2,500
Travel	TBD	Attend binational meetings on cooperative water projects with Mexico	2,000		
	TBD	Travel to PVID lands or be present at District meetings	6,000		
		Attend Law of River Conference		1,000	1,000
		Attend Open ET Meetings		1,500	1,500
		Attend CaDC Meetings		1,500	1,500
	Travel to PVID lands or District meetings		3,500	3,500	
Total Travel			8,000	7,500	7,500
Total 01082-Implementation Projects and Studies Unit			330,200	360,000	335,200

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01245-Manager Support Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Repairs & Maintenance - Outside Services	TBD			2,000	2,000
Total Repairs & Maintenance - Outside Services				2,000	2,000
Training	New Horizons	Improve administrative functions and support		4,600	
	Skillpath Seminars	Annual subscription to Skillpath external training		3,000	3,000
	TBD	Improve administrative functions and support			4,100
	TBD		2,000		
Total Training			2,000	7,600	7,100
Travel		Travel to AFSCME executive meetings offsite		50	50
		Travel to various locations to attend Skillpath trainings		150	150
Total Travel				200	200
Total 01245-Manager Support Team			2,000	9,800	9,300

01246-Business Management Team, WRM Group

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Repairs & Maintenance - Outside Services			5,000		
Total Repairs & Maintenance - Outside Services			5,000		
Training	TBD		3,000		
Total Training			3,000		
Travel			250		
Total Travel			250		
Total 01246-Business Management Team, WRM Group			8,250	0	0

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01343-Resource Planning Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	American Planning Association	The organization offers resources, education, networking opportunities with planners from every region and discipline		105	105
	Department of Consumer Affairs	PE Licnese		115	115
	International City/County Management Association	The organization provides technical and management assistance, training, and information resources in the areas of performance measurement, ethics education and training, community and economic development, environmental management, technology, and other topics to its members and the broader local government community		150	150
	LA Times	Group's access to unlimited articles to keep up with the news, in particular water		192	192
	Sac Bee	Group's access to unlimited articles to keep up with the news, in particular water		130	130
	Science Direct	Group's access to unlimited articles to keep up with the news, in particular water		250	250
	UCLA Business Forecast	Provides forecasts for economies of California & U.S.		3,000	3,000
	UCLA Business Forecast	Provides forecasts for economies of California and U. S.	2,500		
Total Memberships			2,500	3,942	3,942
Professional Services	Brattle Retail Demand Model	Econometric/statistical estimation of water demand, economic value of water resources and management programs; refine retail demand model for revenue requirements for IRP and water use efficiency performance metrics	30,000		
	Brattle Retail Demand Model	On-call services to assist with adapting Retail Demand Model to current conditions as we step through next IRP. Econometric/statistical estimation of water demand, economic value of water resources and management programs; refine retail demand model for revenue requirements for IRP and water use efficiency performance metrics.		30,000	30,000
	DCSE Landat Support	RFQ for maintenance of retail demand models, LANDAT tool, and IRPSIM software.	30,000		
	Hazen Sawyer - Potential	Colorado River Basin Demand Sets - Create a demand set that reflects both Colorado River Upper and Lower Basins' water use. These demands are input to the CRSS model. CRSS is a key analytical tool for the Colorado River Sustainability Plan.		100,000	
	Hazen Sawyer - Potential	Colorado River Basin Hydrology Sets - To analyze current hydrologic sets and compare with other available hydrologic sets / VIC model / tree ring data, to be used for the Colorado River Sustainability Plan analysis.		50,000	
	TBD	RFQ for IRP related issues		200,000	250,000
	Various	Oncall specialized technical support	25,000		
Total Professional Services			85,000	380,000	280,000
Training		ACWA Conference registration Fee			300
		AWWA Annual Meeting	3,000		
		CRWUA Conference registration Fee		500	500
		ESRI, Water and Planning Conferences, Annual Water Data Summit, Other Climate Change related conferences		1,750	3,650
		SQL Training		1,785	1,785
		State-wide planning issues and legislative support	5,000		
Total Training			8,000	4,035	6,235
Travel		AWWA Annual Meeting (Hollis)	3,000		
		IRP, WSDM, WUCA, Member Agency support, Climate Change	5,600		
		IRP, WSDM, WUCA, Member Agency support, Climate Change		10,345	10,450
		State-wide planning issues and legislative support	5,000	1,500	1,500
Total Travel			13,600	11,845	11,950
Total 01343-Resource Planning Team			109,100	399,822	302,127

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01344-Resource Development Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Memberships	Cal Desal	Assist MWD members by establishing a relationship and offering communications and cooperation between members and their respective agencies and companies; assisting in educating and advancing the professional growth of its members; acting as a media for the exchange of information pertinent to the water works industry and promoting the image of the water works profession.	5,000	5,000	5,000
	California Water Data Consortium	Pays for MWD membership in ODC		10,000	10,000
	Department of Consumer Affairs	P. E. and P. G. License Renewals	300		
	Department of Consumer Affairs	P.E. and R.G. License Renewal		550	550
	Groundwater Resource Association	To promote professional development of scientists, engineers, and others involved in the assessment, development, quality, and management of the state's groundwater resources.	100	100	100
	SoCal Salinity Coalition	Met benefits from participation in the Coalition through the coordination of salinity related activities and through increasing awareness of salinity problems facing Southern California.		10,000	10,000
	Southern California Water Utilities Association (SCWUA)	Establishing a relationship/fostering communications/cooperation between members & their respective agencies/companies	100	100	100
	Southern California Water Committee Stormwater Taskforce	The Southern California Water Committee Stormwater Task Force brings together interests from water supply, stormwater management/flood control, groundwater management, environmental, business, and others to develop foundational actions for increasing water supply from stormwater capture. This assists with implementation of Metropolitan's IRP.		1,000	1,000
Total Memberships			5,500	26,750	26,750
Professional Services	A&N Technical Services	Consultant will provide on-call technical support for statistical and conservation evaluation analysis. Includes peer-review of staff work and related professional analysis. Climate Bump analysis will be performed under this contract in FY2020. Proposed 20/21-21/22 budget for consultant selected under RFQ.		24,000	24,000
	Andrew Marx Consulting	Consultant will apply state-of-the-art remote sensing and GIS analysis to refine Metropolitan's Turf Removal Multiplier Effect and Reversion studies.		35,000	35,000
	CaDC	California Data Collaborative	40,000		
	TBD	Consultant(s) will develop an approach to model sustainable groundwater recharge needs under the IRP; Potential white paper on distribution system integration / water quality Best Management Practices.		25,000	75,000
	TBD	Cosultant(s) will develop a groundwater assessment report in support of the IRP. Work will include data aggregation analysis and report development.		15,000	
	TBD	Cosultant(s) will develop an AF value for how much water can be saved through modifying consumer behavior and complete a study that uncovers what motivates consumers to participate in conservation programs.		50,000	65,000
	TBD	Cosultant(s) will provide expertise for survey of local suptly energy/GHG intensities and development of a Water-Energy nexus model for IRP support; May provide technical support for open water data activities.		20,000	75,000
	TBD	Professional services for Master Plan Study, technical studies, MWD's distribution system model, conjunctive use programs, feasibility reports and cost estimates	25,000		
	TBD	Studies and model development/implementation related to desalination, salinity management and the Water Energy Nexus modeling module, including DRINC related participation.	100,000		
	TBD	WUE studies (Hollis). Have a new conservation planning model and need to update savings estimates.	80,000		
Total Professional Services			245,000	169,000	274,000
Sponsorships		Sponsors CalDesal's Annual conference		1,500	1,500
		Sponsors CalDesal's Fall Mixer		1,000	1,250
		Sponsors CalDesal's Spring Mixer		1,000	1,250
		Sponsors MSSC's conference		2,000	2,000
Total Sponsorships				5,500	6,000
Training		Conference Registration Fees		1,875	1,875
		Desalination & W-E Nexus	800		
		Distribution system planning, analysis, database applications	1,000		
		Groundwater training	300		
		Management Training	900	1,500	1,500
		STATA Software Training			500
		Software and technical training		1,300	1,400
		Software and technical training	1,000		
	State Water Project	500			
Total Training			4,500	4,675	5,275

Metropolitan Water District of Southern California

Templates Report by Organization Detail

Grouped By – Team

Filtered By – Water Resource Management

Version 1

Memberships, Outside Services - Non Prof, Professional Services, Repairs & Maintenance - Outside Services, Sponsorships, Training, Travel

Water Resource Management

01344-Resource Development Team

Template Type	Org/Vendor/Provider	Description	Budget	Proposed	Proposed Plus One
Travel		Colorado River Salinity Control Forum Workgroup and Forum Meetings - five meetins per year (Warren)	5,300		
		Colorado River Salinity Forum Workgroup and Forum Meetings		800	800
		Covers two potential out-of-state trips for new DRINC Program / UCLA partnership	1,500		
		Groundwater Storage - Includes one additional attendee to AGWA conference and support for ACWA GW committee Also attend relevant AWWA / AWRA conferences		3,100	3,100
		Groundwater storage Misc. Travel	1,000		
		Local Project Trips		250	250
		Local Projects	1,000		
		Open Water Data & Conservation		5,700	5,700
		Seawater Desalination / Salinity Issues - CalDesal and MSSC Salinity Conference (Warren)	5,800		
		Seawater Desalination/Salinity Issues, CalDesal and MSSC Salinity Conference		4,800	4,800
		Statewide and Regional Planning	2,000	400	400
		Water Energy Nexus - Trips to Sacramento to attend regulatory and related meetings	600		
Total Travel			17,200	15,050	15,050
Total 01344-Resource Development Team			272,200	220,975	327,075
Total Water Resource Management			8,020,400	7,278,342	7,316,557