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# WATER RESOURCE MANAGEMENT

Water Resource Management (WRM) plans, secures, and manages water resources that Metropolitan supplies to its member agencies in a reliable, cost-effective, and environmentally responsible manner.

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## PROGRAMS

Water Resource Management protects and optimally manages imported water quantity and quality; advances water-use efficiency; provides supply and demand forecasts that are the foundation for resource planning; and develops and implements timely resource planning, resource programs and projects.

In addition, WRM assists member agencies in optimizing their use of local resources to benefit the entire Metropolitan service area and ensures Metropolitan receives a fair return on contractual investments in local and imported resources.

Water Resource Management accomplishes its mission through the following programs or sections:

**Office of Manager** directs the group's efforts in planning, securing, and managing Metropolitan's water resources; monitors and tracks the group's business plan, financial and budgetary initiatives; and provides administrative and business process support.

**Resource Planning & Development** is responsible for providing an integrated water supply and demand forecast that will meet the needs of member agencies and reflect their long-range planning efforts for local supplies, and which sets the foundation for Metropolitan's resource mix and local supplies needed to meet demands. This section also supports the development of resource programs, projects, and infrastructure to meet projected resource targets; administers the planning process; defines strategies for meeting service area water

needs including the IRP and WSDM; and develops resource options, such as groundwater conjunctive use, as well as alternatives for short-range planning and implementation through joint action with Water System Operations.

**Resource Implementation** develops and administers water resource programs and contracts, and pursues application of new technologies and innovation for the Colorado River, State Water Project, water recycling, groundwater recovery, conservation, and seawater desalination. This section also monitors and responds to regulatory, legislative, and operational activities that may influence Metropolitan's rights and benefits related to the quality, reliability and cost of water. including the DVL pumping plant, and 9 storage and regulatory reservoirs that help Metropolitan meet peak flow periods.



## GOALS AND OBJECTIVES

In FY 2014/15 and FY 2015/16, WRM will focus on the following key issues:

### Colorado River

Evaluate continuing challenges to the Quantification Settlement Agreement (QSA) and develop strategies to respond to changed conditions.

Protect Colorado River resources, Metropolitan's Colorado River rights, and optimize the use of available Colorado River water.

Facilitate salinity management projects and other actions that protect and improve source water quality.

Partner with other Colorado River water delivery contractors to develop new Metropolitan supplies, including cross-border water supply programs.

Administer Imperial Irrigation District (IID) and Palo Verde Irrigation District (PVID) agricultural conservation programs.

Work with representatives of the International Boundary and Water Commission and USBR to continue implement of Minute 319 and coordinate emergency deliveries for Tijuana.

Continue participation in the Colorado River Basin Water Supply and Demand Study.

### Groundwater Storage Program

Continue management of nine approved conjunctive use programs to store water for dry-year yield.

Continue facilitation of dialog among agencies in groundwater management, recycled water production, and stormwater and flood management to enhance groundwater basin recharge.

Continue to monitor and inform member agencies and groundwater managers of proposed legislation and regulations that potentially affect groundwater recharge or management.

### Legislative Review

Continue to provide review and comments on proposed state and federal legislation on water resources issues related to Metropolitan's mission and WRM functions.

### Regional Resources and Water Conservation

Implement Long-Term Water Conservation Plan and new LRP initiatives to meet 20X2020 urban water use reduction target.

Participate in activities leading to expanded use of recycled water and increased water use efficiency through the Water Reuse Association, Alliance for Water Efficiency, and California Urban Water Conservation Council (CUWCC).

Administer agreements that provide incentives for conservation, recycled water, and recovered groundwater production, and support development of local resource development projects.

Conduct research to advance local resource and conservation program effectiveness.

### Seawater Desalination

Continue to develop and actively participate in Cal Desal and support its regulatory and legislative initiatives with the State's Ocean Plan and the Ocean Protection Council's draft Strategic Action Plan.

### State Water Project

Renegotiate and SWP contract, extending the contract term, and adjust cost repayment provisions to reflect longer term supply and repayment needs.

Ensure accurate billings and influence sound financial decisions by DWR, including effective DWR energy management practices with regard to renewable energy, emissions reductions, transmission strategies, and energy acquisitions.

Protect SWP water, power, and financial positions under the Oroville Federal Energy Regulatory Commission (FERC) relicensing process as well as associated litigation and upcoming FERC relicensing and several DWR facilities in Southern California.

Support Metropolitan's interests in any SWP-related litigation.

Coordinate major rehabilitations and new SWP capital improvements to ensure cost-effective and reliable water supply, energy generation, and use.

Promote water quality monitoring and forecasting activities and raise awareness of potential water quality impacts from operational decisions.

Develop and implement strategies to access SWP conveyance facilities to optimize use of Metropolitan water transfer and banking programs in light of scheduled and forced infrastructure outages.

### Water Supply and System Planning

Complete annual progress reports on IRP implementation and Metropolitan's water supplies and achievements in conservation, recycling, and groundwater recharge (SB 60 report).

Complete the annual forecast of Metropolitan sales to support revenue requirements and budget process.

Explore potential partnerships with member agencies and other entities for development of regional seawater desalination, recycling, and groundwater replenishment facilities.

Upgrade and enhance planning tools, such as computer models for demand forecasting, resource program evaluation, and distribution system.

Continue participation in the Southern California Water Committee Stormwater Task Force to identify opportunities and remove obstacles to Continue work with the Water Utility Climate to perform case studies on climate data applications to water resources planning.

### Foundational Action Program

Monitor the progress of the 16 studies approved by its Board under the Foundational action Funding Program. Staff will also consider other foundational actions if deemed necessary.

increases in stormwater capture and infiltration for measurable groundwater yield.

### Water Transfers and Exchanges Program

Continue to manage existing water transfer, exchange, and storage programs along the California Aqueduct and Colorado River Aqueduct and implement approved water transfers.

Pursue additional water transfers and exchanges as needed.

Work with other State Water Contractors on a long-term water transfer permitting process.

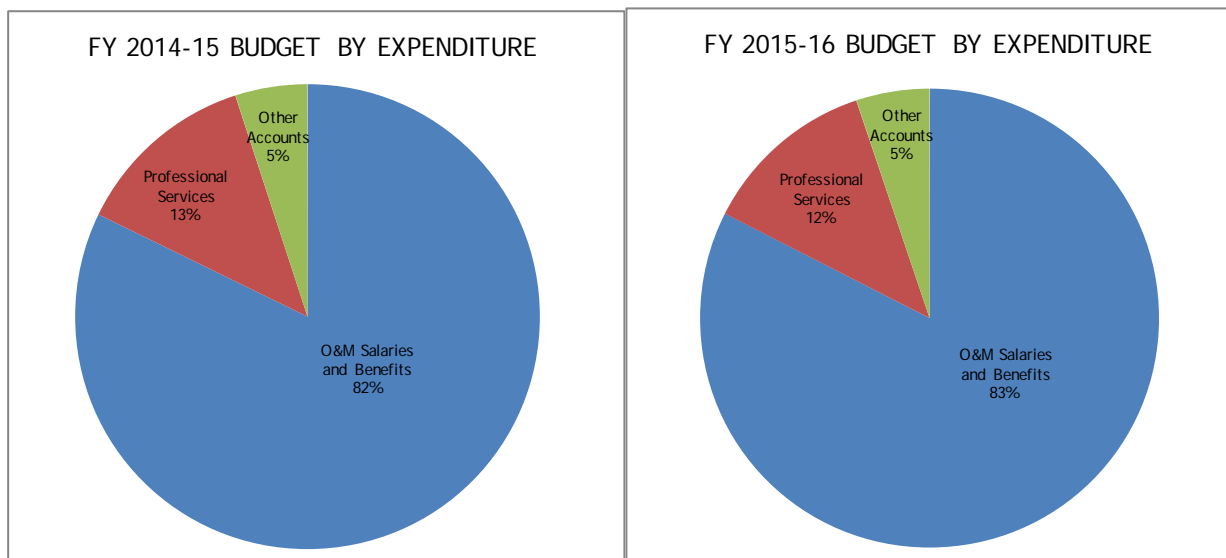
### Workforce Development & Succession Planning

Continue to develop staff expertise in critical areas to prepare for future employee retirements or departures.

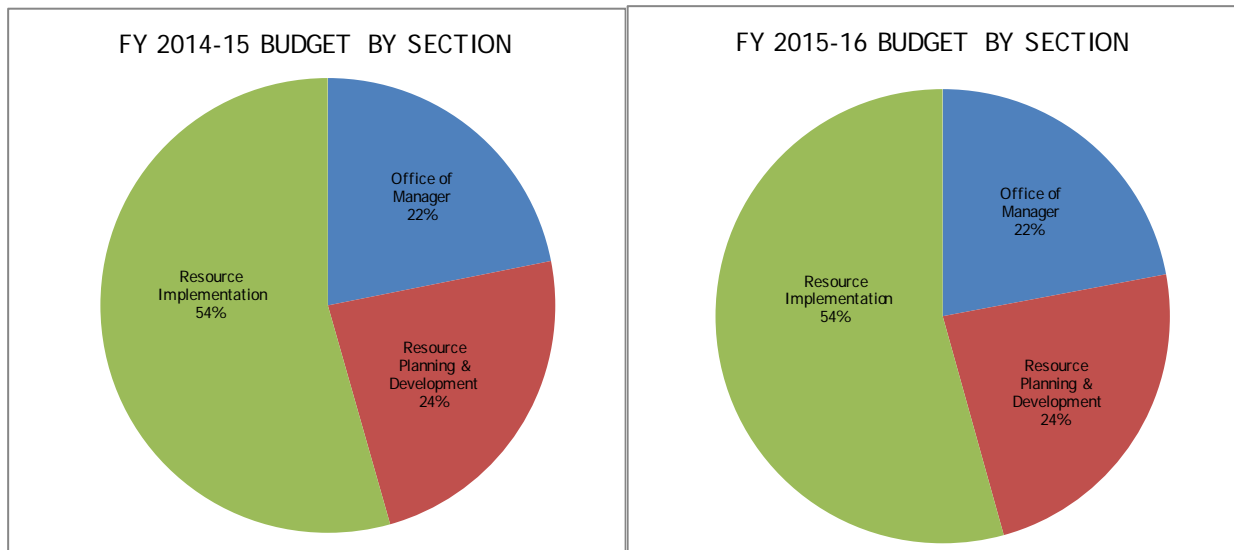
## O&M Financial Summary

	2012/13 Actual	2013/14 Budget	2014/15 Budget	Change from 2013/14	2015/16 Budget	Change from 2014/15
Total Salaries and Benefits	11,099,800	12,601,100	14,080,100	1,479,000	14,157,500	77,400
<i>Direct charges to Capital</i>	<i>(1,300)</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
<b>O&amp;M Salaries &amp; Benefits</b>	11,098,500	12,601,100	14,080,100	1,479,000	14,157,500	77,400
% Change		10.8%		11.7%		5.4%
Professional Services	1,268,600	1,845,000	2,181,300	336,300	2,113,200	(68,100)
Memberships & Subscriptions	141,400	151,300	183,600	32,300	185,700	2,100
Travel Expenses	103,200	137,000	158,500	21,500	156,500	(2,000)
Grant / Donation Expense	81,800	125,000	125,000		125,000	
Graphics & Reprographics	12,500	76,400	72,900	(3,500)	79,900	7,000
Materials & Supplies	37,100	93,300	62,300	(31,000)	82,300	20,000
Contract Payments	21,000	59,500	59,500		59,500	300
Communication Expenses	4,000	49,700	47,000	(2,700)	47,000	
Training & Seminars Costs	12,100	43,200	46,000	2,800	46,000	
Other Accounts	50,200	91,300	104,500	13,200	105,000	500
<b>Total O&amp;M</b>	<b>12,830,400</b>	<b>15,272,800</b>	<b>17,120,700</b>	<b>1,847,900</b>	<b>17,157,900</b>	<b>37,200</b>
% Change		19.0%		12.1%		0.2%

Note – Totals may not foot due to rounding.



## O&M BUDGET BY SECTION



	2013/14 Budget	2014/15 Budget	Change from 2013/14	2015/16 Budget	Change from 2014/15	Personnel Budget		
						13/14	14/15	15/16
Office of Manager	2,357,500	3,744,700	1,387,200	3,781,500	36,800	14	19	19
Resource Planning & Development	5,074,100	4,057,900	(1,016,200)	4,054,400	(3,500)	22	15	15
Resource Implementation	7,841,200	9,318,100	1,476,900	9,322,000	3,900	32	34	34
<b>Total O&amp;M</b>	<b>15,272,800</b>	<b>17,120,700</b>	<b>1,847,900</b>	<b>17,157,900</b>	<b>37,200</b>	<b>68</b>	<b>68</b>	<b>68</b>

Note - Totals may not foot due to rounding.

## Personnel Summary

	2012/13 Actual	2013/14 Budget	2014/15 Budget	Change from 2013/14	2015/16 Budget	Change from 2014/15
Regular	59	68	68	0	68	0
O&M	59	68	68	0	68	0
Capital		0	0	0	0	0
Temporary	0	0	0	0	0	0
O&M	0	0	0	0	0	0
Capital	0	0	0	0	0	0
<b>Total Personnel</b>	<b>59</b>	<b>68</b>	<b>68</b>	<b>0</b>	<b>68</b>	<b>0</b>
O&M	59	68	68	0	68	0
Capital	0	0	0	0	0	0

Note - Totals may not foot due to rounding.

## SIGNIFICANT BUDGET ISSUES

WRM's biennial budget is \$17.1 million in FY 2014/15 and \$17.2 million in FY 2015/16 or an increase of 12.1% and 0.2% respectively from the prior budget years. The increase is due primarily to two factors.

- Salaries and Benefits costs related to merit increases for qualified employees and an increase in retirement-related benefits costs is the primary factor.
- Increase in professional service costs for technical studies for resource planning, consulting services for SWP and IID conservation program audits and water use investigations.

The following are the significant changes by budget year.

### FY 2014/15

#### Personnel-related issues

Section reorganization with the transfer of positions among the sections has no impact on WRM's overall labor budget or the personnel count which remains flat.

#### Other

Memberships and Subscriptions budget reflects increased membership cost for Alliance for Water Use Efficiency.

Materials & Supplies budget reflects reduced costs for deferred purchase for demographic, household water use, and lot size data.

Travel and Other Accounts budget reflects increase in GIS database training and travel for work related to CRA, SWP and Conservation Program.

Additional expenses for training and travel have been allotted for staff to develop knowledge as a result of an anticipated increase in retirements.

and the Integrated Resources Planning Simulation Model source code and platform evaluation.

#### Other

The increase in Materials and Supplies reflects the purchase of the Southern California Governments Regional Transportation Plan demographic forecast.

### FY 2015/16

#### Personnel-related issues

Personnel count remains flat from FY 2014/15 budget.

#### Professional Services

The budget reflects a cost reduction due to the completion of the IID conservation program audit

