

Metropolitan Water District of Southern California

Regional Water Wholesaler to 6 counties

5,200 square miles

26 Member Agencies

~18 million residents

Regional economy: ~\$1 trillion

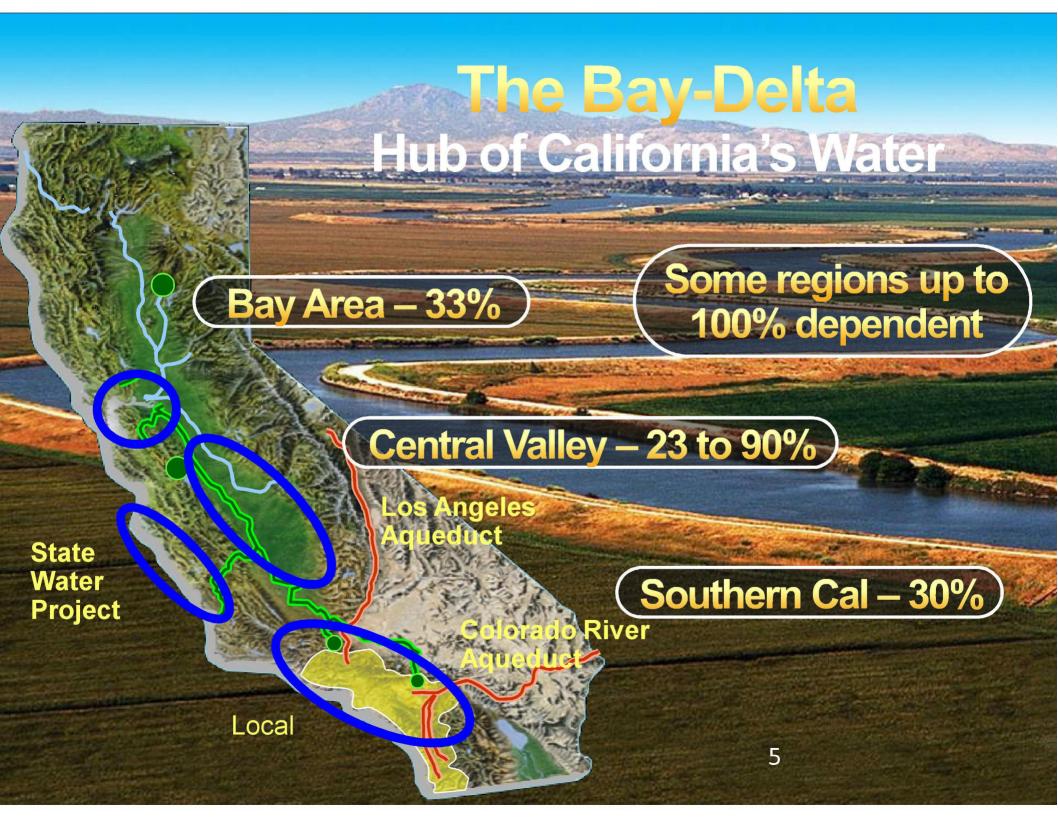
Estimated Retail Demand:

- 4 million acre-feet
- Provide about ½ of retail demands

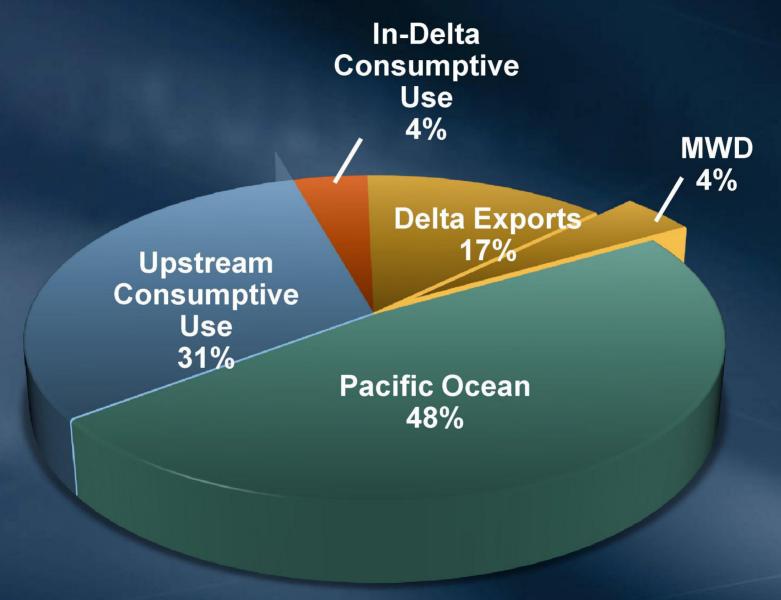
Sources of Water for Southern California



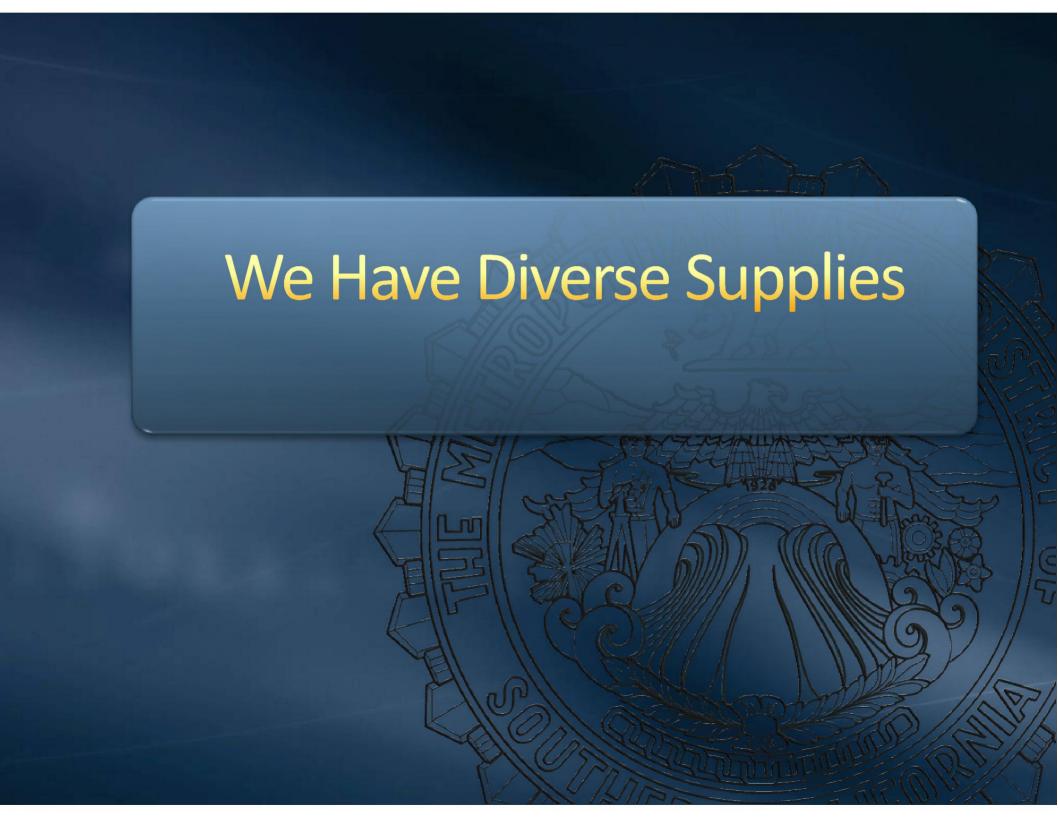




Water Flowing Through the Delta



Source: Governor's Delta Vision Report (Estimated total annual runoff 32.85 maf)



Southern California's Water Portfolio

25% Colorado River supplies

30% State Water Project (flowing through the Delta)

45% Local Supplies

- Los Angeles Aqueduct
- Conservation
- Recycling
- Groundwater
- Desalination



Metropolitan's Integrated Resource Plan Blueprint for Adapting to Change

Water Use Efficiency

 20% Reduction in Per-Capita Water Use

Local Resources

- Develop Incentives and Partnerships
- Implement Foundational Actions

SWP

Delta Improvements for Reliability

CRA

Develop Dry-Year Supply Programs

Metropolitan's Integrated Resource Plan Blueprint for Adapting to Change

Water Ise 200/ Paduation in Dan Conita Water

What Does This Mean?

- Stabilize Imported Supplies
- Increase Efficiency and Local Resources

CRA

Develop Dry-Year Supply Programs

Diversification of Water Portfolio

Storage & Dry Year Supplies

Transfers

Cons Local
Supplies

CRA

SWP

Storage & Conservation
Transfers & WUE

CRA

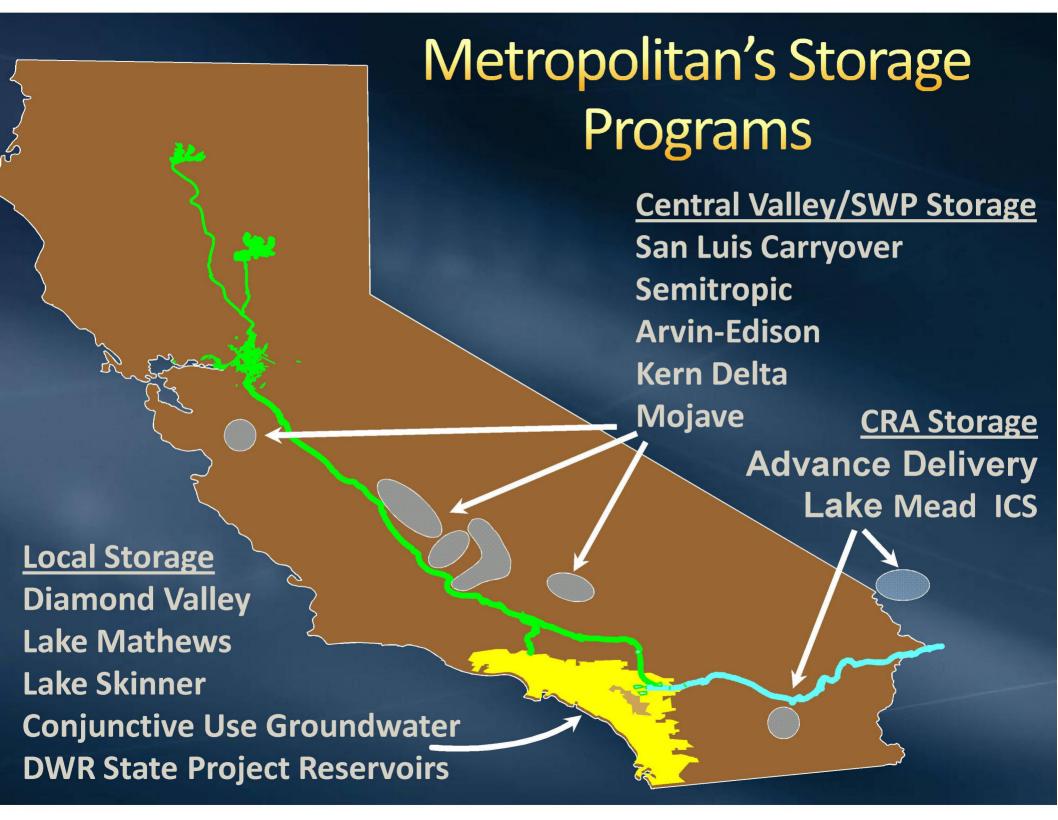
SWP

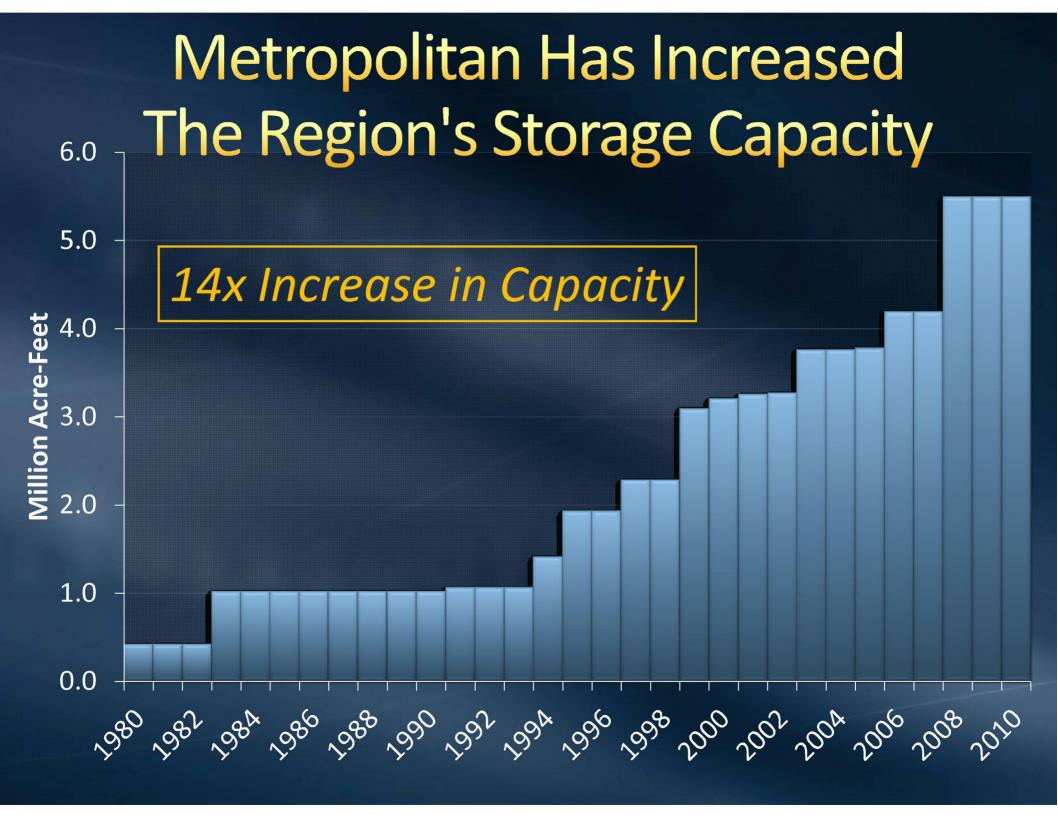
Local Supplies

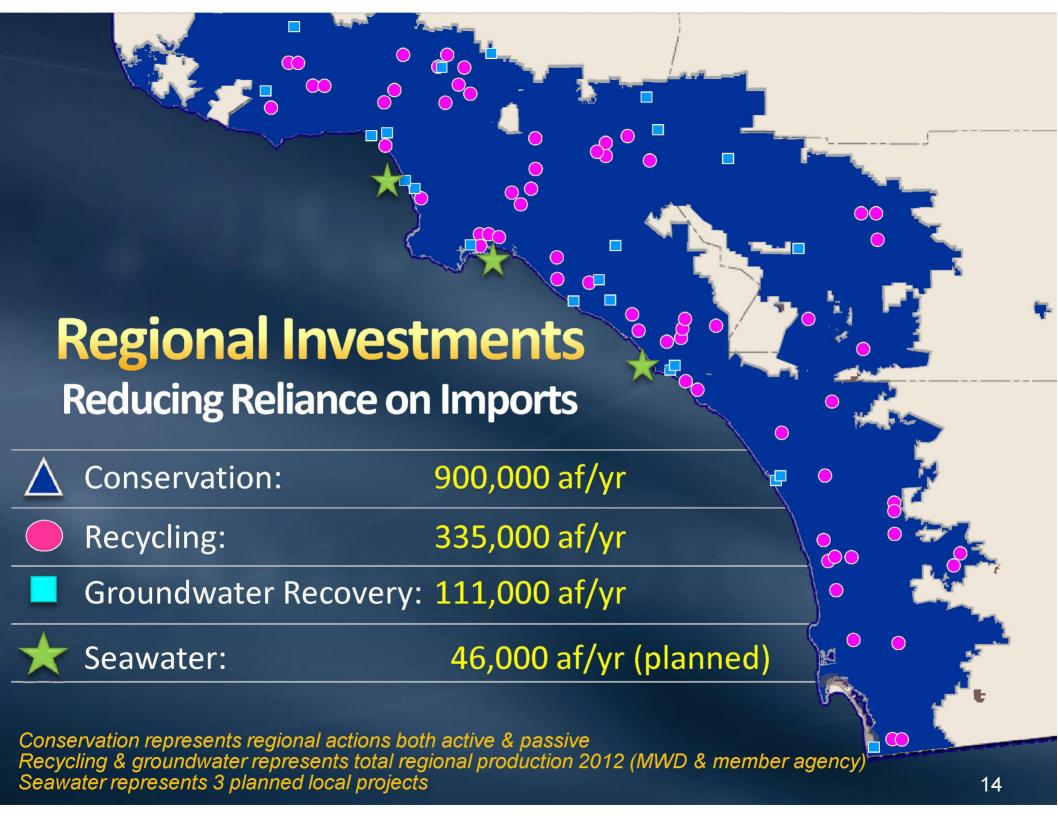
Early 1990's

Heavy dependence on imported supply and SWP Diversions **2010 IRP Strategy**

Emphasis on Conservation, Local Supplies, and Storage & Transfers







Cost Comparison (per acre-foot)

Metropolitan is committed to meeting future additional water supply needs through local resources and conservation



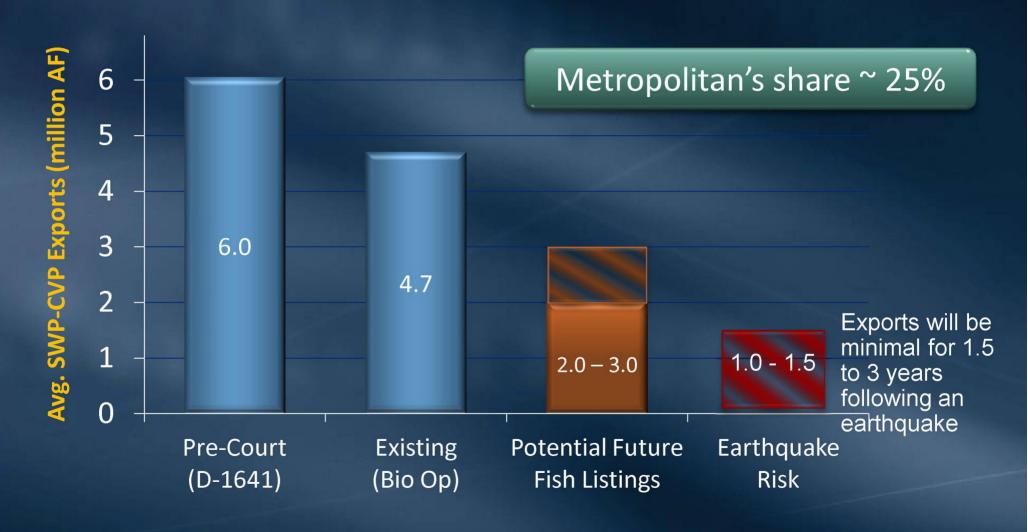
Revised: December 18, 2012



Delta Conveyance Improvements

SWP & CVP Reliability

South Exports Only







BDCP: Preliminary Cost Analysis

Improvements	Capital	Annual O&M	Funding Source
Conveyance	\$14 billion	\$83 million	Water Contractors
Eco-Restoration & Other Stressors	\$3.6 billion	\$46 million	Fed/State/Water Contractors/Other

Users pay – new conveyance & associated mitigation

Beneficiaries pay – habitat conservation & other state-wide benefits

Average cost for Southern Californians ~ \$5 - 6/month per household

Metropolitan's share is approximately 25 percent The \$14 billion estimate per the Governor's announcement (July 25, 2012) Other cost information from Dec-2010 BDCP document

Capital Cost Comparisons

BDCP Delta Facilities

Cost	Population Served	Per Capita Cost
\$14 billion (Per 7/25 Announcement)	25 million (3 million acres of Ag)	\$560

San Francisco PUC Hetch Hetchy Project

Repairs to protect against future seismic events, and to meet current building codes and drinking water regulations

Cost	Population Served	Per Capita Cost	
\$4.6 billion	2.5 million	\$1,840	

Contra Costa Water District's Los Vaqueros Project

Improves water quality and provides emergency storage

Cost	Population Served	Per Capita Cost	
\$570 million	550,000	\$1,036	

Regional Cost Comparisons

MWD share of BDCP Cost

Cost	Population Served	Per Capita Cost	
\$3.5 billion	19 million	\$184	

MWD Diamond Valley Reservoir/Inland Feeder projects

Primarily an emergency storage facility but also provides drought and water quality benefits

Cost	Population Served	Per Capita Cost
\$3.1 billion	18 million	\$172

SDCWA Emergency Storage Project

Enhances reliability of the water supply of San Diego in the event of seismic disruption

Cost	Population Served	Per Capita Cost	
\$1.5 billion	2.8 million	\$536	

Summary

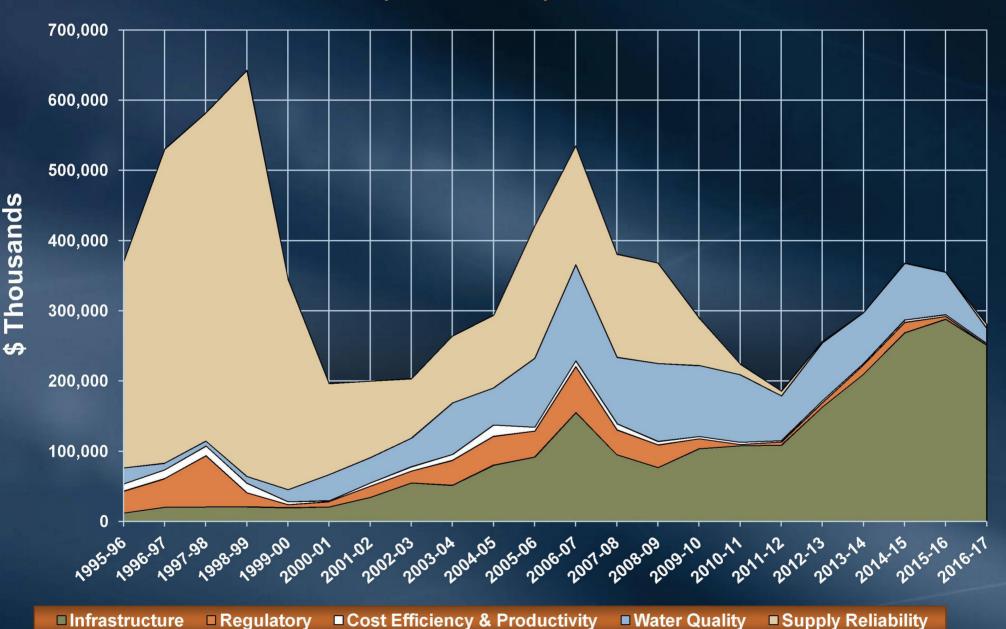
- Delta is critical to California's water supply
- Southern California is committed to conservation and local supplies for future growth and diversification
 - 1.1 MAF of conservation and local resources will be developed to meet future needs
- Storage has been developed to manage "big gulp/little sip"
- Stable imported supplies are needed for reliability



Capital Investment Plan FY 12/13 – 13/14 20 - Year Period: 1995/96 - 2016/17

■ Regulatory

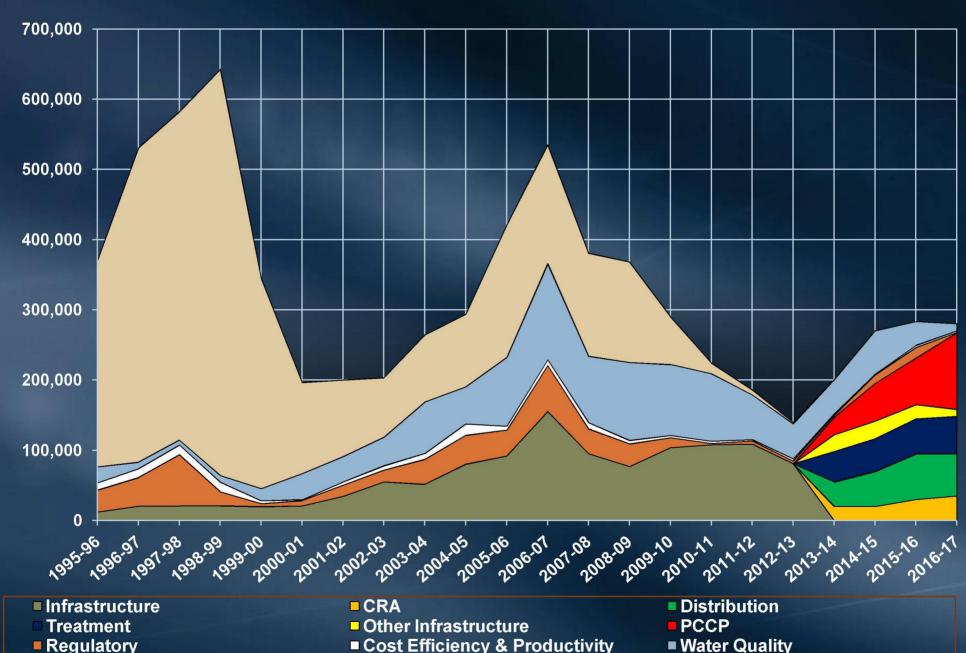
■ Infrastructure



Capital Investment Plan FY 13/14 - Update 20 - Year Period: 1995/96 - 2016/17

\$ Thousands

Supply Reliability



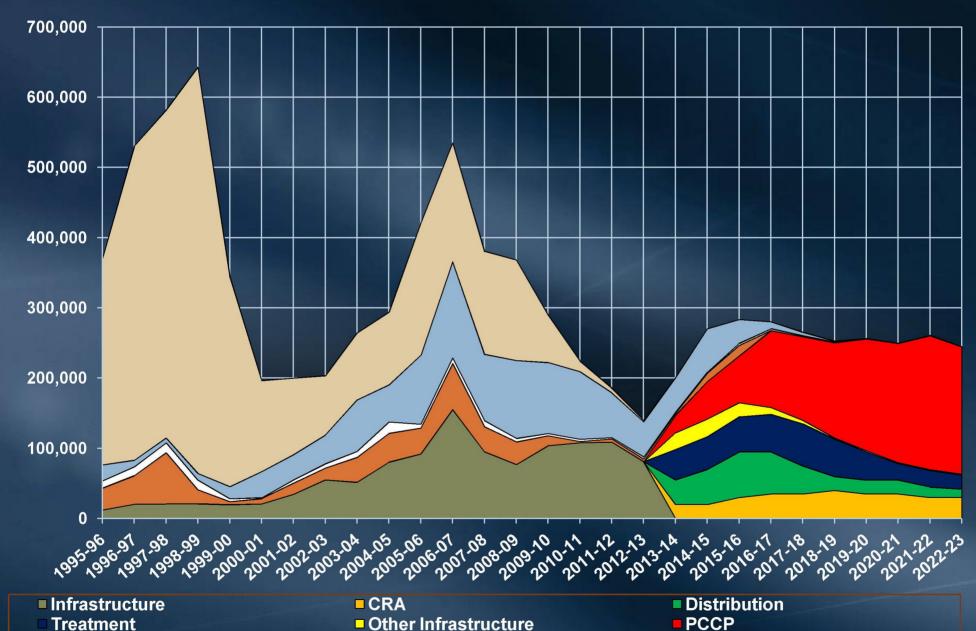
Capital Investment Plan FY 13/14 - Update 1995/96 - 2022/2023

\$ Thousands

■ Treatment

Regulatory

Supply Reliability



■ Cost Efficiency & Productivity

■ Water Quality

Major Project Cost Projections

(not including long-term PCCP Rehab)

Project

Estimate

Weymouth ORP Lakeview Pipeline Diemer Basin Rehab. Jensen Electrical System Upgrades Diemer WWRP Rehab. Etiwanda Pipeline Relining Orange County Feeder Relining Mills Solids Handling (Thickeners) CUF Chlorine Containment Weymouth Filter Rehab. CRA Main Pump Overhaul Weymouth Filter Valve Replaceme	Palos Verdes Reservoir Cover/Linin
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33 M

29 M

28 M 27 M 26 M 24 M 24 M

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Major Project Cost Projections

(not including long-term PCCP Rehab)

Project

Estimate

23 M 21 M 20 M 20 M 20 M

18

15 M 14 M

CIP 2014/2015 Schedule

Month

August Submit Project Proposals

September - November Evaluations conducted

September Site Visits – Treatment Plants

September – December Update Schedules/Cash Flows

October Preliminary list of CIP Programs

October Review w/PM's

January

November Update to CIP Steering Committee

December Draft CIP Appendix

Budgets finalized for rate and

budget letter