Proposition 1 Funding Opportunities for Los Angeles

Presentation to the CMAA SC Chapter
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EVELYN CORTEZ-DAVIS, P.E.
MANAGER OF WATER RECYCLING POLICY & WATER RIGHTS
Los Angeles Department of Water and Power
• Authorizes $7.545 billion general obligation bonds for significant investments to improve water reliability across the state.

• Replaces Senate Bill X7-2 (Cogdill) – The Safe, Clean, and Reliable Drinking Supply Act of 2010 - $11.14 billion

• Passed overwhelmingly on a bipartisan vote in the CA Legislature before being signed by Governor Brown and designated as Proposition 1.
City of Los Angeles

Proposition 1 -- 2014 Water Bond
Allocation of Bond Funds

The Water Quality Supply and Infrastructure Improvement Act of 2014 -- $7.545 billion

- Storage - $2.7 B
- Watershed Protection, Ecosystem Restoration, and State Settlements - $1.495 B
- Groundwater Sustainability - $900 M
- Water Recycling - $725 M
- Regional Water Reliability - $810 M
- Flood Management - $395 M
- Safe Drinking Water - $520 M

The City of Los Angeles adopted Resolution 14-0002-S90 to Support Proposition 1 on October 8, 2014.
Note: Charts do not reflect 100,000 AF of existing conservation
Local Water Supply Reliability

Key Programs

- Recycled Water
- Stormwater Capture
- Water Conservation
- SF Groundwater Basin Remediation

Local Water Supply Reliability
LA is a Leader in Water Conservation

Note: Population was updated with 2010 US Census data.
Commercial/Industrial
- Technical Assistance Program
- CA Friendly Landscape

Residential:
CA Friendly Landscape

<table>
<thead>
<tr>
<th>Proposition 1 Funding</th>
<th>$100 Million</th>
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<tbody>
<tr>
<td>LADWP Water Conservation Program Cost</td>
<td>$35 million per year</td>
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Example:

Elysian Park Water Recycling Project

- 10,800 linear feet (~2 miles) of new 16-inch pipeline
- 2 million gallon storage tank
- Two pumping stations
- 30,000 gallon forebay tank
- Booster pump at existing pump station

Proposition 1 Funding $725 M
Elysian Park Water Recycling Project Cost $28.6 M
City of Los Angeles

Recycled Water Funding
Advanced Treatment Projects

- Proposition 1 Funding: $725 M
- Groundwater Replenishment Project Cost: $400 M

Diagram showing treated water flowing from TREATMENT to CONVEYANCE, then to REPLENISHMENT, and finally to EXTRACTION, with specific details on cost and project components.
Canterbury Power Line Easement

- Infiltration basin providing 1500 AFY groundwater recharge to San Fernando Groundwater Basin
- Partners: LA SAN, LA County Flood Control District, TreePeople
- Additional benefits: water quality, recreational, and educational

| Proposition 1 Funding – Stormwater Management IRWM (LA/Ventura) | $200 M |
| Canterbury Power Line Easement Project Cost | $14.5 M |
| $98 M |
Total of 115 Production Wells
Groundwater Sustainability Funding
Cleanup and Prevention of Contamination

Plume Surface Area = 112,000 Acres

Production Wells and TCE Plume
TCE Plume (Source: USEPA, 2005)
- > DL - 5 ug/L (MCL)
- 5.01 - 50 ug/L
- 50.01 - 100 ug/L
- 100.01 - 500 ug/L
- 500.01 - 1000 ug/L
- 1000.01 - 5000 ug/L

Proposition 1 Funding – GW Cleanup
San Fernando GW Basin Remediation Project Cost

$800 Million
$600-900 Million
Proposition 1 Funding Could Support Local Water Reliability

Fiscal Year 2034 – 35
Total: 711,000 AFY

- LA Aqueduct 244,000 (33%)
- MWD 168,227 (24%)
- Local GW 110,405 (16%)
- Recycled Water 59,000 (8%)
- Conservation 64,368 (9%)
- Water Transfers 40,000 (6%)
- Stormwater Capture 25,000 (4%)

Proposition 1 would provide funding for the types of projects that will provide nearly 40% of City’s water supply.

Note: The chart does not reflect 100,000 AF of existing conservation
Los Angeles River Revitalization & Ecosystem Restoration

- Enhance Communities
- Protect Wildlife
- Improve the Health of the River
- Encourage Economic Development

Proposition 1 Funding – Enhancement of Urban Creeks & Rivers
Regional Water Reliability – IRWM (LA/Ventura) $120 Million
$98 Million

LA River Ecosystem Restoration (Alternative 20) Cost $1.08 Billion*

*The City of Los Angeles’s cost share = $500 Million
Thank You!
Questions?