Proposition 1 Funding Opportunities for Los Angeles

Southern California Water Dialogue
The Water Bond: Under the Microscope
September 24, 2014

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Deputy Senior Assistant General Manager
Los Angeles Department of Water and Power
FYE 2006 – 2010 Average
Total: 621,700 AFY

- LA Aqueduct 221,288 (36%)
- MWD 326,012 (52%)
- Local GW 71,086 (11%)
- Recycled Water 5,072 (1%)

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%)

Note: Charts do not reflect 100,000 AF of existing conservation
Groundwater Basin Remediation Is Critical for Water Supply Reliability

- Recycled Water
- Stormwater Capture
- Water Conservation

SF Groundwater Basin Remediation

Local Water Supply Reliability
LA is a Leader in Water Conservation

1 Million Population Increase

130 gallons/person/day

Note: Population was updated with 2010 US Census data.
City of Los Angeles

Water Conservation and Water Efficiency

- Commercial/Industrial
  - Technical Assistance Program
  - CA Friendly Landscape ($3 per SF)

- Residential Customers
  - CA Friendly Landscape ($3 per SF)

Chapter 7 – Water Conservation & Water-Use Efficiency

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<thead>
<tr>
<th>Water Conservation Programs/Projects</th>
<th>$100 Million</th>
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<td>Up to 50% match</td>
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2014
2 Million SF of Lawn replaced

Cash in Your Lawn
Replace your turf and get a rebate of up to $3 per square foot. Dig up info at www.ladwp.com
• New 16-inch recycled water pipeline totaling approximately 10,800 linear feet or 2 miles

• 2 million gallon recycled water storage tank

• Recycled water pumping station & non-potable pumping station

• 30,000 gallon forebay tank

• Booster pump housed within an existing pumping station

Chapter 9 – Water Recycling

Elysian Park Water Recycling Project Cost

$725 M

$28.6 M
Chapter 9 – Water Recycling

- **Groundwater Replenishment Project Cost**
  - **$725 M**
  - **$400 M**

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**Revised Water Groundwater Replenishment**

- **Treatment**
  - Advanced Water Purification Facilities
  - Recycled Water from the Donald C. Tillman Water Reclamation Plant

- **Conveyance**
  - Existing and New Pipelines

- **Replenishment**
  - Stormwater
  - Hansen Spreading Grounds and Pacoima Spreading Grounds (Existing)

- **San Fernando Groundwater Basin**
Canterbury Power Line Easement

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

Chapter 7 – Multibenefit Stormwater Mgm’t. IRWM (LA/Ventura)

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<tr>
<td>Canterbury Power Line Easement Project Cost</td>
<td>$200 M $98 M $14.5 M</td>
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Total of 115 Production Wells
City of Los Angeles

SF Groundwater Basin
Impacted Groundwater Production

2014: 30 Reliable Production Wells
City of Los Angeles

Groundwater Cleanup
San Fernando Groundwater Basin Remediation

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

Chapter 10 – Groundwater Sustainability Funding
$800 Million

San Fernando GW Basin Remediation Project Cost
$600-900 Million
FYE 2006 – 2010 Average
Total: 621,700 AFY

Local GW 71,086
11%
Recycled Water 5,072
1%
LA Aqueduct 221,288
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MWD 326,012
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Los Angeles River Revitalization

- Enhance communities
- Protect Wildlife
- Health of the River
- Economic Development

Chp. 7 - Hydrologic watershed for LA subregion $98 Million
Los Angeles River Revitalization – Alternative 20 $1.08 billion*

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