Harbor Area

Major Potential Customers

- Dominguez Gap Barrier – 7,500 AFY
- Valero – 1,000 AFY
- Tesoro – 4,000 AFY
- Phillips 66 – 6,600 AFY
- Air Products – 2,800 AFY
LAX Expansion

- Existing LAX Irrigation
- LAX Development
- LAX Long Term Expansion
- LAX Imperial / Sepulveda Interchange
- New Purification Facilities at Hyperion Treatment Plant
Downtown Water Recycling Project

Construct
86,500 feet of purple pipe to bring recycled water to Downtown Los Angeles
Groundwater Replenishment

- **Treatment**: New 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)

- **Extraction**: To Treatment and Distribution
  - Groundwater Wells (Existing)

San Fernando Groundwater Basin
Draft Environmental Impact Report
SCH No. 2013091023

Los Angeles Groundwater Replenishment Project

Prepared for:

Los Angeles Department of Water and Power
Environmental Affairs
111 North Hope Street, Room 1044
Los Angeles, California 90012

Prepared by:

AECOM
515 South Flower Street, 8th Floor
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May 2016
use water from Hyperion Treatment Plant
ban the sale of single flush toilets and incentivize their replacement with dual-flush toilets
endangered species
LA needs to move fast to catch up on the growth of development ratepayers should vote on project
reliability

conclusions are disingenuous
no stated commitment to maintain (or reduce) water supply levels after the completion of the project at the same (or reduced) levels prior to the initiation of the Project

outreach
educate on success of other systems

Brine
explore desalination plants
extend the review period
other related activities are closely related, a Programmatic EIR is more appropriate

contamination
failure of our infrastructure

$$$ cost $$$
incentivize local sourcing of water by factoring ALL costs of importing water from the Owens Lake, Colorado River, and other sources into consumer price

traffic
moving IMMEDIATELY to the ‘toilet to table’ model which is in use in Israel and on the space station

Toilet-to-Tap
moving IMMEDIATELY to the ‘toilet to table’ model which is in use in Israel and on the space station

health
hospitals feed Tillman plant
Poisons from runoff
refuse ANY water for fracking

adequate base flows for the nearby lakes and the Los Angeles River

scarcity and continuing shrinkage and abuse of habitat islands

use tertiary water IMMEDIATELY for urban farming, fighting wildfires, LA River flow enhancement

OPPOSE the Governor’s ‘Twin Tunnels’ project

OPPOSE the Governor’s ‘Twin Tunnels’ project
refuse ANY water for fracking

half the City’s needs can be obtained from existing rainfall

seismically active areas

start educating today’s youth so they don’t hose their driveways down

failure to maintain the Ecology Pond at Chatsworth Nature Preserve

wildlife, in particular wildlife dependent on a wetland environment, is being made a sacrificial lamb for the benefit of large residential and commercial developments

LA needs to move fast to catch up on the growth of development ratepayers should vote on project

reliability

supportive

educate on success of other systems

education on success of other systems

scarcity and continuing shrinkage and abuse of habitat islands

use tertiary water IMMEDIATELY for urban farming, fighting wildfires, LA River flow enhancement

adequate base flows for the nearby lakes and the Los Angeles River

scarcity and continuing shrinkage and abuse of habitat islands

use tertiary water IMMEDIATELY for urban farming, fighting wildfires, LA River flow enhancement
Partnerships
Lessons Learned

Customers
- bureaucracy stopping agreements
- design assistance
- no money no resources

Permits
- Army Corps

Funding
- indemnification
- cost sharing with other agencies

Easements
- crossing railroad tracks

Political and Management Support

Goals

- A reduction in the Department of Water and Power's purchase of imported potable water by 50% by 2024.

Exhibit 40
Recycled Water Use Projections

<table>
<thead>
<tr>
<th>Category</th>
<th>Project Use (AFY)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FY 19/20</td>
</tr>
<tr>
<td>Municipal and Industrial Uses¹</td>
<td>19,900</td>
</tr>
<tr>
<td>Indirect Potable Reuse (Groundwater Replenishment)</td>
<td>0</td>
</tr>
<tr>
<td>Subtotal</td>
<td>19,900</td>
</tr>
<tr>
<td>Environmental Use²</td>
<td>26,740</td>
</tr>
<tr>
<td>Total</td>
<td>46,640</td>
</tr>
</tbody>
</table>

¹ LADWP plans to increase usage categories LADWP plans to increase water use to meet the goals established in ED 5 and plan. LADWP recycled water use is projected to reach 59,000 AFY by FY 2024/25 by adding 19,000 AFY of planned municipal/industrial use and 30,000 AFY of indirect potable reuse (groundwater replenishment), and further increase to 75,400 AFY through the remainder of the projection period by adding another 16,400 AFY of potential customer growth.
Residential Fill Station Pilot Program

- Up to 300 gallons of FREE recycled water
  - LADWP customers only
  - Brief training required
  - Containers must be water-tight and labeled

- LA Zoo Parking Lot (Northside)
  - Tuesdays 8 am – 11 am
  - Subject to change

- LAG – 2\(^{nd}\) location to open soon

Learn More:
www.LADWP.com/RWFS
Residential Fill Station Pilot Program

7 Operating Days

19 Registered Users

1900 Gallons of RW
Residential Fill Station Pilot Program
Questions?

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