Castaic Lake Water Agency
L.A. Chapter WateReuse Meeting
CLWA Recycled Water Program Update
October 11th, 2016
Overview

- What We Do at CLWA
- Water Resources Portfolio
- Recycled Water Timeline
- Existing Recycled Water System
- Recycled Water Master Plan Update
- Recycled Water Phase 2 Update
- Next Steps
What We Do at CLWA

Acquire and Deliver Supplemental Water
- State Water Project
- Dry-Year Water Banks
- Recycled Water

Treat and Distribute Water
- 3 Water Treatment Plants
- 26 Turnouts to 4 Purveyors
- 43 miles of Water Pipelines (Raw and Treated)
- 3.5 miles of Recycled Water Pipelines

Cooperate with other Agencies on Regional Issues
- Groundwater Remediation
- Urban Water Management Plan
- Recycled Water Master Plan
- Salt and Nutrient Management Plan
CLWA Water Service Area Boundary and Water Purveyors

Legend:
- Freeway and Main Roads
- Turnouts
- CLWA Pipeline
- CLWA Water Service Boundary

Purveyor:
- LACWD
- SCWD
- VWC
- NCWD
- NCWD (to be detached)

The map depicts the service areas and boundaries of various water purveyors within the CLWA region. Key features include major roads, pipelines, and water treatment facilities such as the Earl Schmidt Filtration Plant and Rio Vista Water Treatment Plant.
Where Does Our Water Come From?

- **Imported Sources (15%-60%)**
  - State Water Project
  - Kern River
- **Banked Water (0%-38%)**
- **Local Sources – Groundwater (38%-46%)**
  - Alluvial Aquifer
  - Saugus Formation
- **Recycled Water Sources (1%-2%)**
  - Purchased from SCVSD
  - Landscape Irrigation
Normal & Dry Year Water Supplies

**Normal Year**
- Recycled Water: 2%
- Nickel Water: 1%
- Ground-water: 38%
- Kern River: 9%
- State Water Project: 50%

**Dry Year**
- Recycled Water: 1%
- Nickel Water: 1%
- Storage: 38%
- State Water Project: 5%
- Ground-water: 46%
- Kern River: 9%
Recycled Water Timeline

- 1993: Reclaimed Water Master Plan (9 Phases - 10,361 AFY Demand)
- 1996: LACSD and CLWA RW Contract (contracted for up to 1,600 AFY)
- 2002: Draft Recycled Water Master Plan (11 Phases - 17,441 AFY Demand)
- 2004: RW Phase 1A Completed, RW deliveries commenced
- 2007: RWMP Program EIR certified
- 2016: SCV RW Rules and Regulations adopted
- 2016: 2015 Urban Water Management Plan
- 2016: Recycled Water Master Plan (RWMP) (4 Alternatives - 12,395 AFY of reuse)
- 2016: RWMP Program EIR
- 2017: Adopt and File Phases 2A-2D CEQA docs
Valencia Water Reclamation Plant

Recycled Water PS-1
Current 4,000 GPM
Ultimate 12,000 GPM
Existing Phase 1
CLWA 2016 RECYCLED WATER MASTER PLAN UPDATE
Recycled Water Phase 2

Legend:
- Existing Reservoir
- Proposed Reservoir
- Water Reclamation Plant

Pipelines by Scenario:
- Existing
- Phase 2A
- Phase 2A (Alt)
- Phase 2B
- Phase 2C
- Phase 2D

Locations:
- Valencia WRP
- Bouquet Canyon Road Alignment
- Central Park South Alignment
- Proposed Reservoir
- Recycled Water Reservoir #1
- Vista Canyon Water Factory
- Proposed Reservoir
Phase 2A – Central Park
33,000 – 40,000 LF, 480-560 AFY, $22-28M, 2023
Phase 2B – Vista Canyon
11,000 LF, 300 AFY, $7M, 2018
Phase 2C – South End
33,000 LF, 1,374 AFY, $22-25M, 2019
Phase 2D – West Ranch
5,000 LF, 186 AFY, $4M, 2018
## Phase 2 Projects Summary

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<thead>
<tr>
<th>Project</th>
<th>PDR</th>
<th>CEQA</th>
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<tbody>
<tr>
<td>2A – Central Park</td>
<td>Complete</td>
<td>In Progress – Mar 2017</td>
</tr>
<tr>
<td>2B – Vista Canyon</td>
<td>Complete</td>
<td>In Progress – Apr 2017</td>
</tr>
<tr>
<td>2C – South End</td>
<td>Complete</td>
<td>In Progress – Feb 2017</td>
</tr>
<tr>
<td>2D – West Ranch</td>
<td>Complete</td>
<td>In Progress – Feb 2017</td>
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Next Steps

- Finalize and Adopt 2016 RWMP
- Finalize and Adopt 2016 RW PEIR
- Finalize and Adopt CEQA for Phases 2A-2D
- Initiate Final Design for Phases 2A-2D
- Complete and file SWRCB Grant Applications for Phases 2A-2D
- Execute cost sharing agreements between CLWA and Purveyors.
Thank you!

Questions?