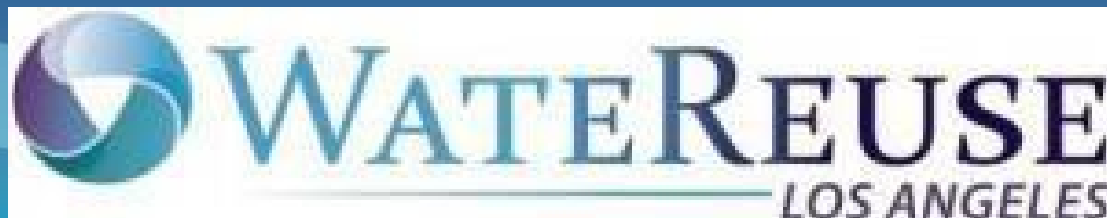




Central Basin
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Central Basin Recycled Water Renaissance

April 11th, 2017





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Central Basin's Recycled Water Program



During a five year period from 2010 to 2015, personnel and legal issues distracted the District staff from pursuing growth of the recycled water program.



State Audit of Central Basin



The State audited Central Basin and made over 30 recommendations. The District has complied with all of these recommendations.



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New Math at Central Basin

$$5 + 3 = 8$$

The State Legislature passed a bill requiring Central Basin to add three Directors from its customer base.



Beginning in 2015, The District recognized the importance of the growth of the recycled water system for the District's future.



DROUGHT BUSTER!

Central Basin's Recycled Water Program helps conserve over 1.8 million gallons of drinking water annually!

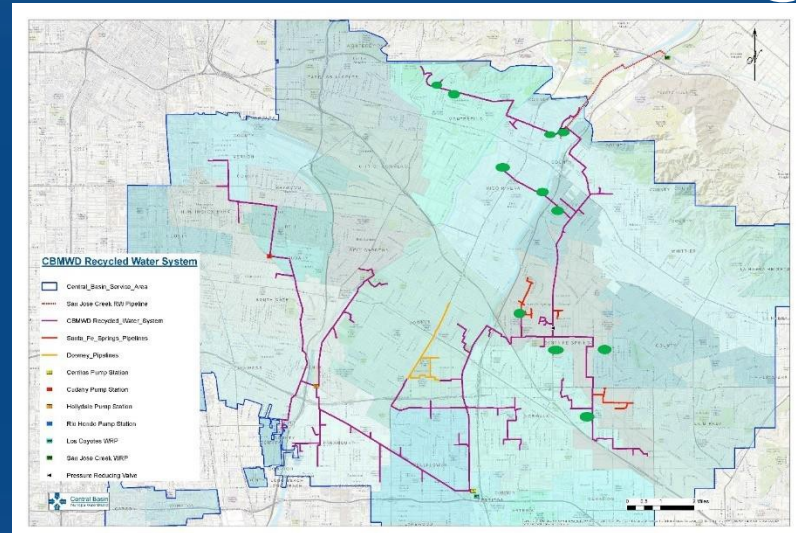
www.centralbasin.org

Recycled Water

The poster features a central purple water tower labeled "Recycled Water" with blue dashed lines representing water being distributed to red poppies in a green field. The Central Basin Municipal Water District logo is in the top right corner.



Central Basin's Recycled Water Program



- Over 320 current users connected
- Over 350 potential users identified
- Expansion of recycled water identified as critical for a healthy CBMWD in the future
 - Investigate new opportunities
 - Encourage further usage of current users



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Liberty Utilities®

Liberty Utilities (formerly Park Water)
is Central Basin's partner responsible
for the distribution system operation
and maintenance



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Behold!



Renaissance of Central Basin's Recycled Water Program



Goals:

1. **Connect Recycled Water Customers**
2. **Train Staff to Pursue Goal #1**



Recycled Water Program

2016



May 1st – staffing in place. Donald Jones is now Recycled Water Specialist. In partnership with Liberty Utilities, Joe Walters with **Purple Pipe Consulting** is assisting and mentoring Donald in his new position.



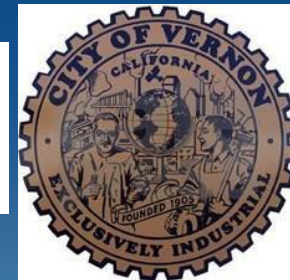
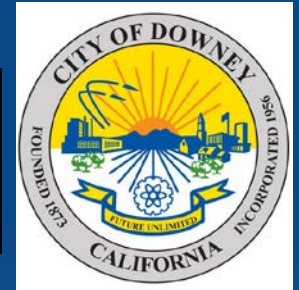
Identified Recycled Water Target Sites

Phelan Elementary
Washington Preschool
Paramount Petroleum
Wilcox Elementary
Acuna Park
Park Victoria
Montebello City Hall
Pio Pico Elementary
North Park Middle School
Pico Park
San Gabriel Spreading Grounds

Valencia School
Rio Hondo Spreading Grounds
Certified Plant Growers
Legacy HS Complex
Jersey Park
Union Ice Co.
Owens Illinois
Norwalk City Hall
Moon Valley Nursery
Norwalk Golf Course
UTC Aerospace

Step 1: Contact Purveyors

Met with all purveyors involved with prospective customers.





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Step 2: Site Research



Recycled Water Program

Performed site visits to all potential locations:

- Added other sites:
 - Purveyor suggestions
 - Meeting with County officials
 - Customer requests





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Recycled Water Target Sites

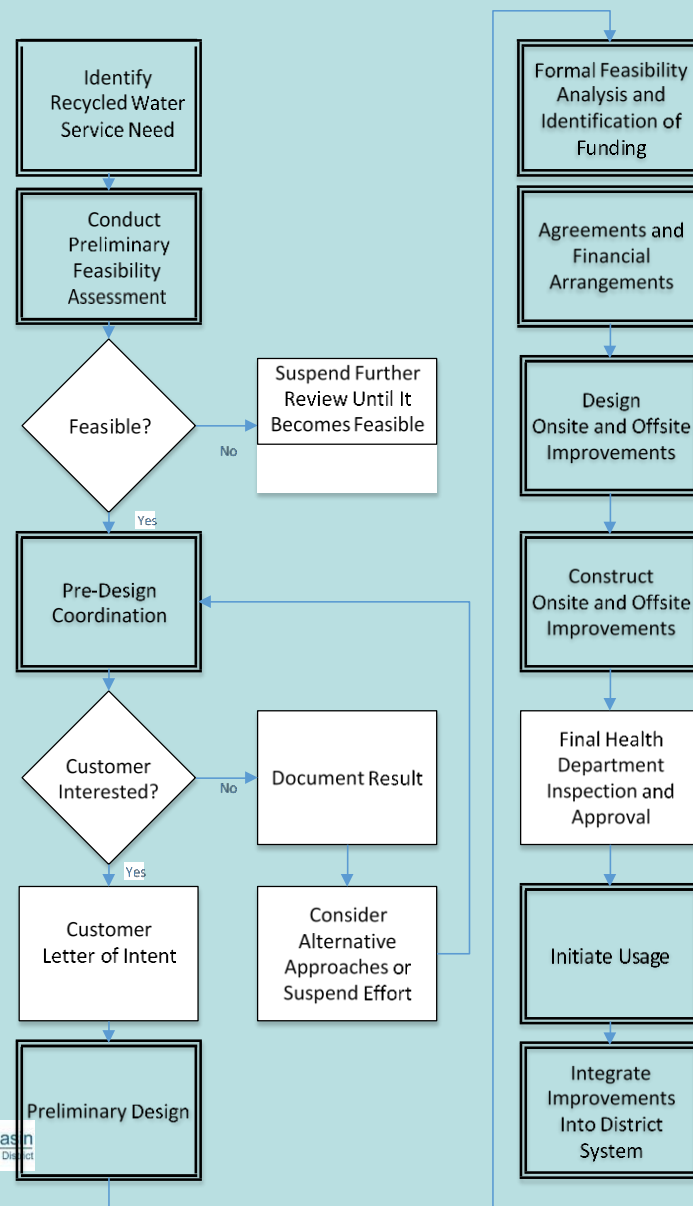
Investigated over forty sites, plus CIP project sites

40



Step 3: Establish Procedures

Central Basin Municipal Water District Recycled Water Customer Development Process Flowchart





Step 3 (cont.): Establish Procedures



In Process:

- Feasibility Assessment Template
- Retrofit Cost Estimate Template



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Step 4: Develop Long-term Projects

Under Development:

- La Mirada
- South Gate
- Bell Gardens
- Lynwood
- Montebello



Design

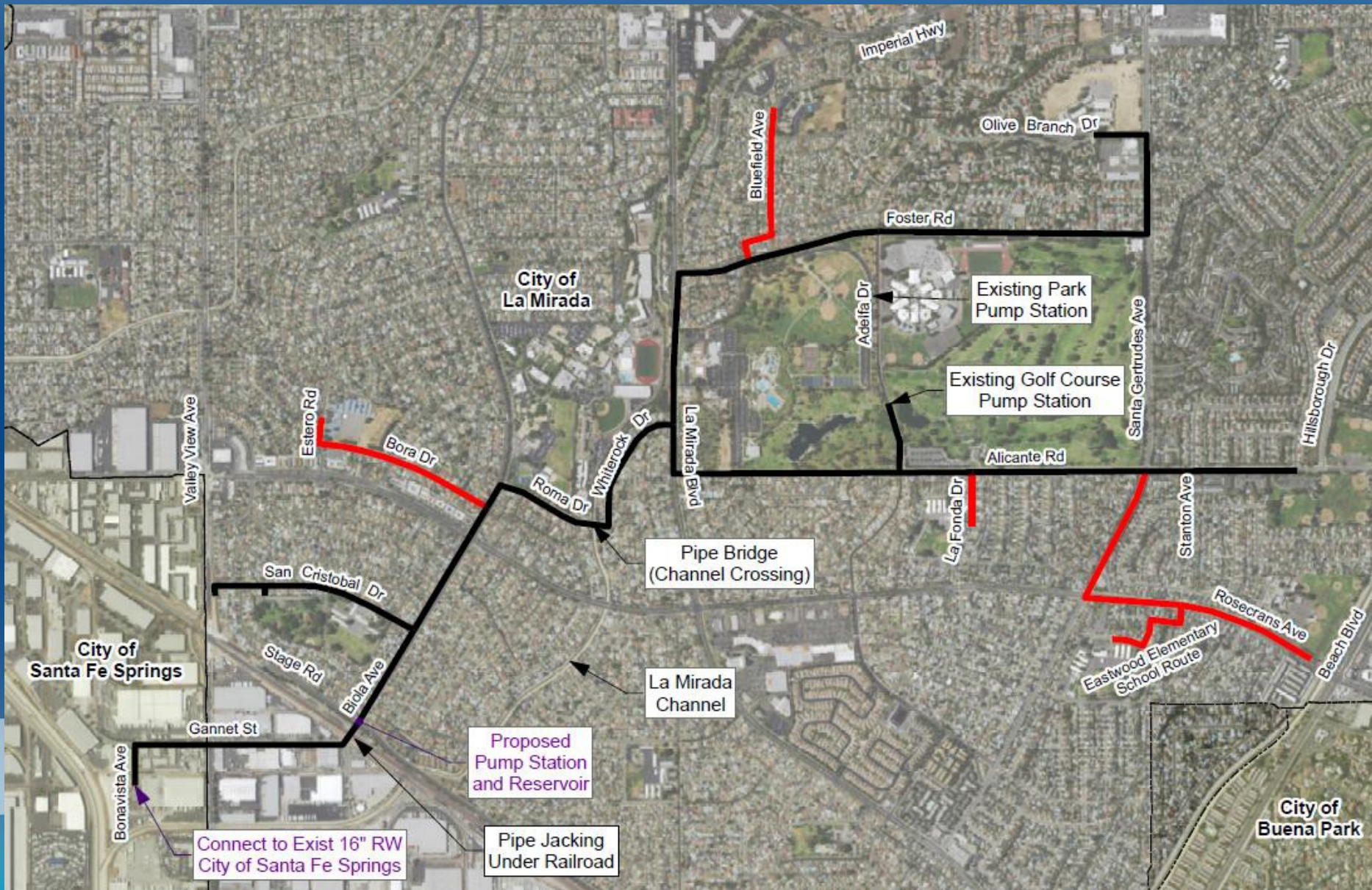
- Grant funding for Lynwood, Bell Gardens and South Gate projects

Construction

- Proposition 1 Grant Funding
- Proposition 84 funding for DAC projects
- State Revolving Fund (SRF)
- Low Interest Loans
- Potential Partnerships with Water Retailers



La Mirada Recycled Water Pipeline



Project Status

Design

Consultant: Tetra Tech

- 10% Preliminary Design Report (PDR) – completed
- Geotechnical Report – completed
- Recycled Water Connection Site Surveys - completed
- 70% Pipeline Design – submitted
- 10% Pump Station & Reservoir Technical Memorandum – submitted

California Environmental Quality Act (CEQA)

Consultant: Aspen Environmental Group

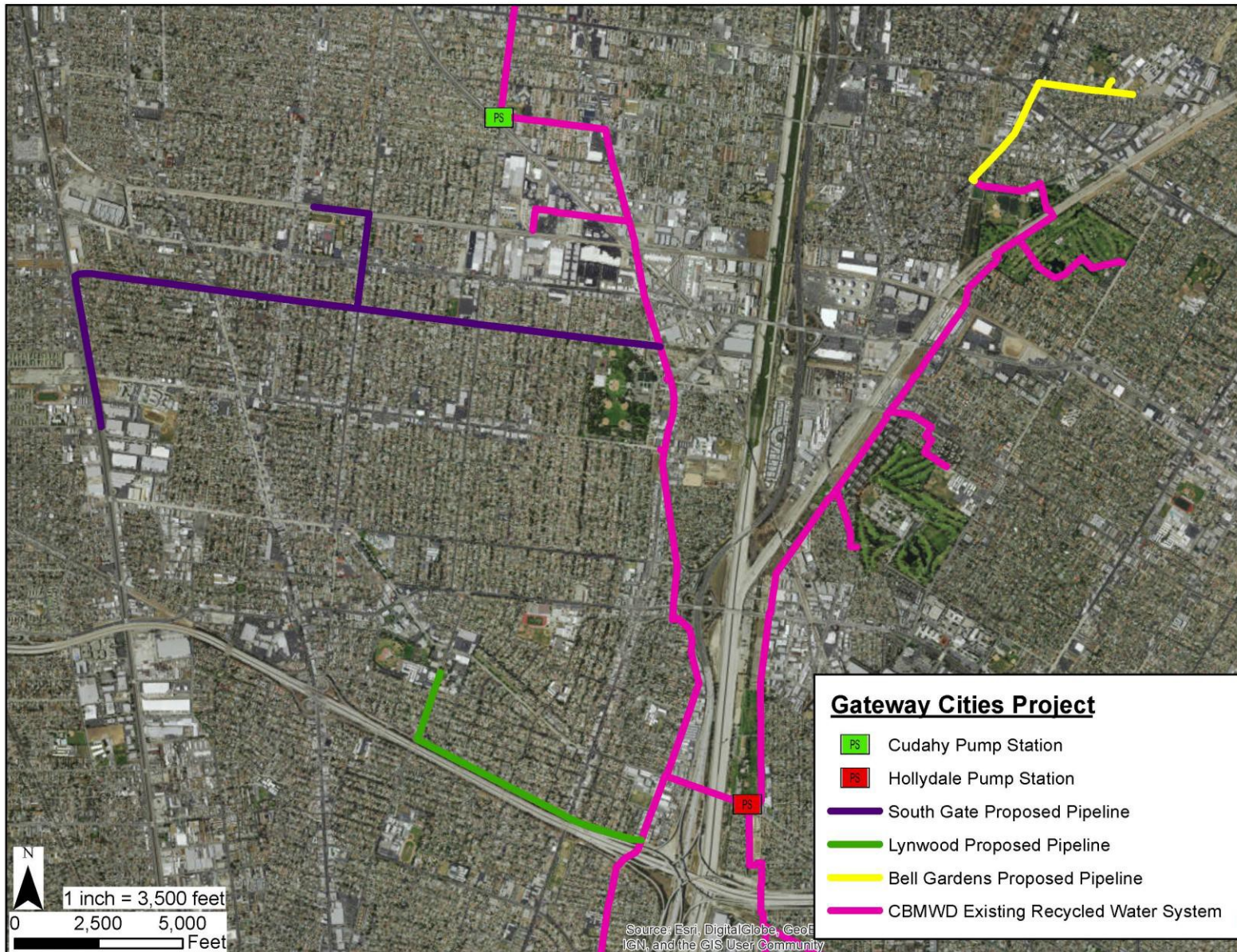
- Draft Initial Study and Project Description – submitted
- AB 52 - Notifications sent; no responses received after 30 days
- California Historical Resources Information Service (CHRIS) search – completed
- Cultural Resources Analysis – complete
- Air Quality Analysis – complete
- Draft Mitigated Negative Declaration - complete

Schedule

Design & Environmental Compliance Complete – September / October 2017



Gateway Cities Pipeline Projects



Gateway Cities Project Status

Design

Consultants: S.A. Associates (South Gate)
West Yost (Lynwood)
Infrastructure Engineers (Bell Gardens)

Work Includes:

- Preliminary Design Reports (PDR's)
- Geotechnical Reports
- Recycled Water Connection Site Surveys
- Utility Investigations
- Pipeline Designs

California Environmental Quality Act (CEQA)

Consultant: K.S. Dunbar and Associates

Schedules

Design & Environmental Compliance Complete – June 30, 2017



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Questions?

Ask Max, the Water Dog

