

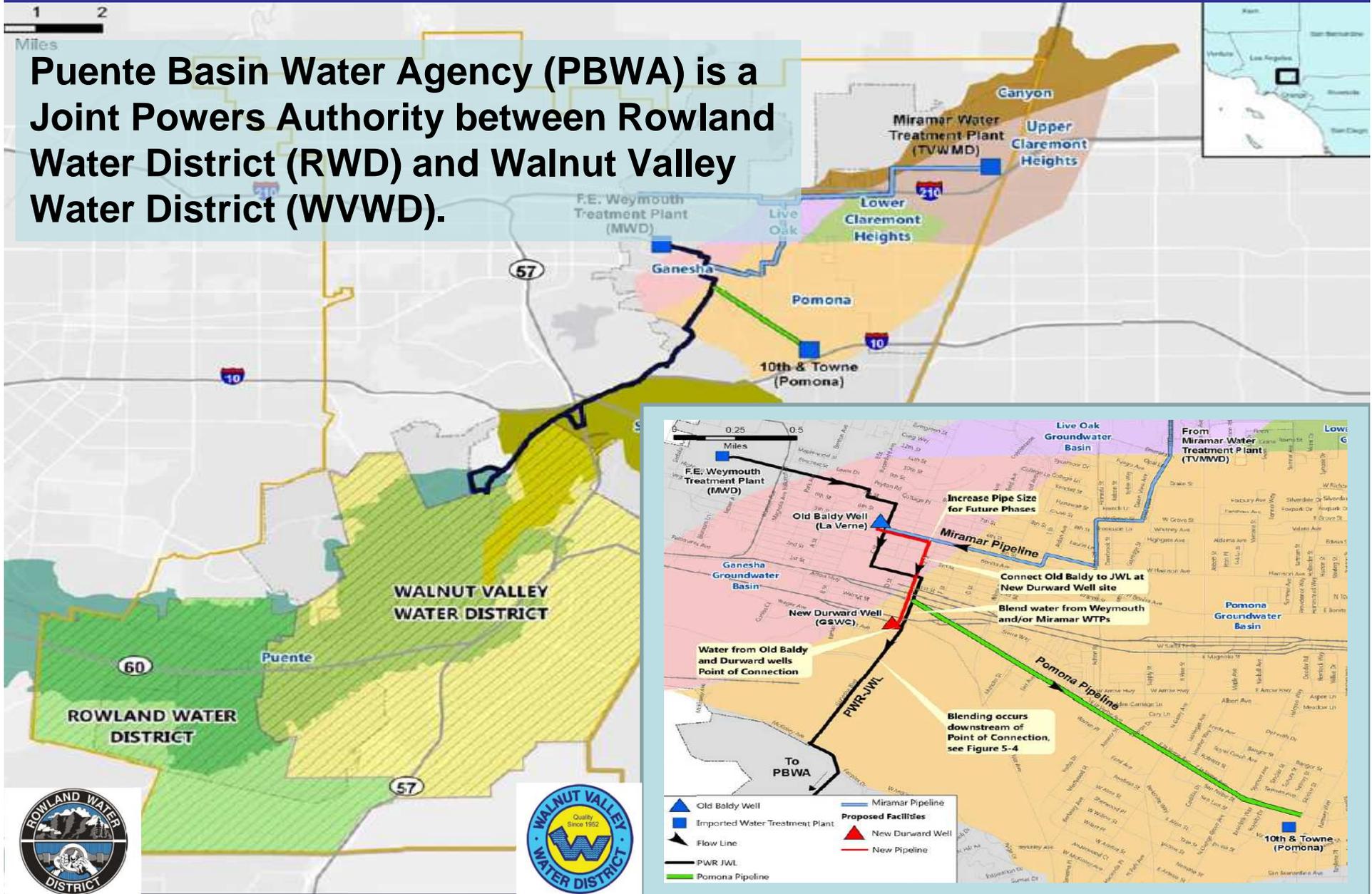
Six Basins and Puente Basin
Integrated Water Supply Project

Puente Basin Water Agency

Ken Deck & Mike Holmes

Project Location Maps

Puente Basin Water Agency (PBWA) is a Joint Powers Authority between Rowland Water District (RWD) and Walnut Valley Water District (WVWD).

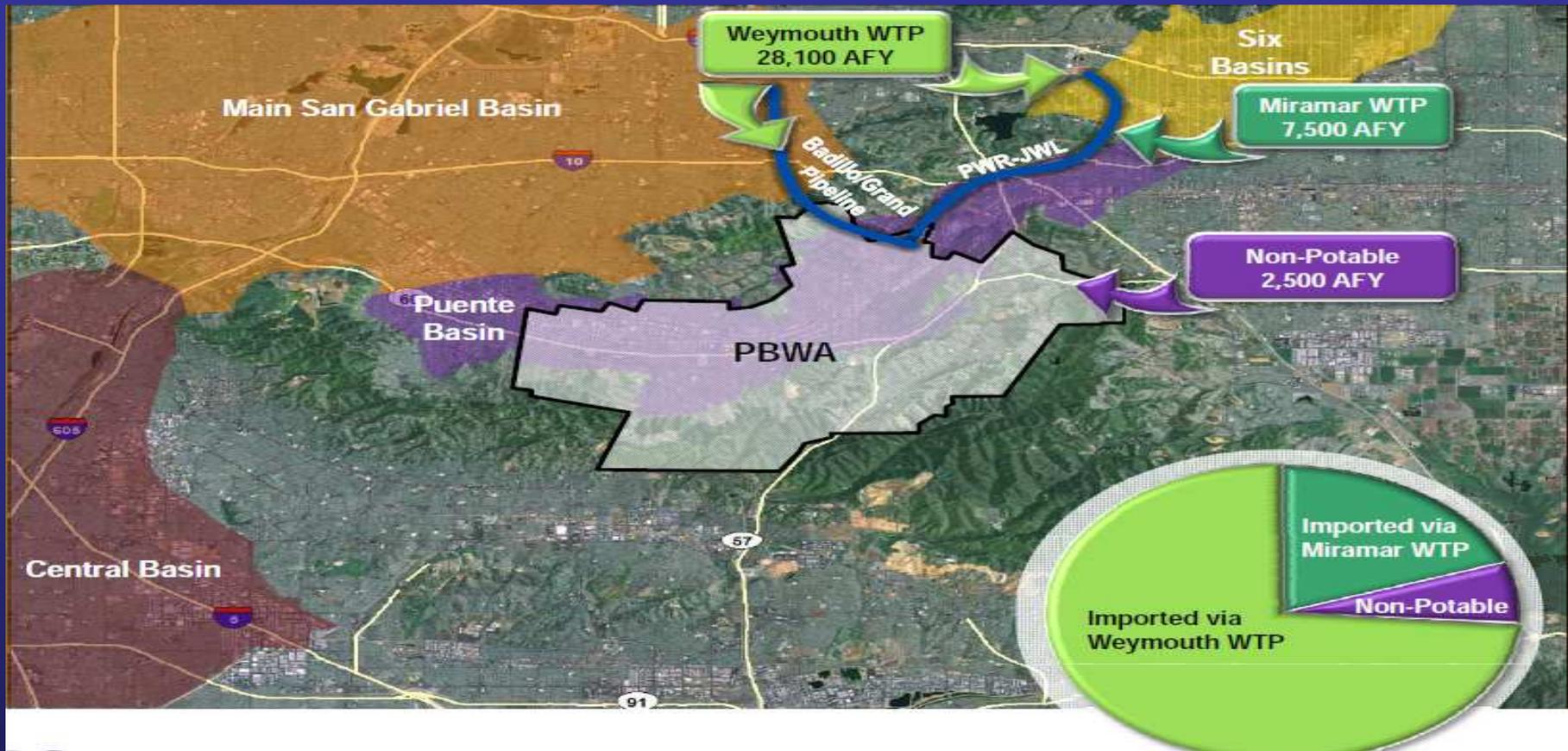


Project Description

- This integrated project involves accessing, treating, and conveying water supply from Six Basins to PBWA for potable use.
- This project also benefits from the use of many existing facilities.
- The new facilities are summarized below:
 - *Rehabilitation of the Old Baldy Well*
 - *Replacement of the Durward Well (New)*
 - *Installation of 2,600 feet of pipe*



Drought Connection



- RWD and WVWD are currently 100% dependent on imported water supply to meet potable demands.
- This project is an essential component of PBWA's drought preparedness portfolio and the Regional Water Supply Program to maximize local resources by adding new water supply and reducing the region's reliance on imported water.

Benefits

- The October 2013 Final Engineering Report (Water Quality & 10% Design) was reviewed and approved by the Health Department.
- The Report concluded that this project not only will increase **local potable water supply by 1,860 acre-feet per year**, but also **improve water quality** while enhancing regional interconnectivity and operational reliability.
- All aspects of this project will **greatly benefit the residents including DACs and business, effectively safeguarding our region from existing and future drought conditions.**

Project Details

- *Funding:*
 - Total Project Cost: \$5,245,000
 - Grant Request: \$3,000,000
 - Matching Funds: \$2,245,000 (a 43% match)
- *Partners:* Puente Basin Water Agency, Walnut Valley Water District, Rowland Water District, City of La Verne, City of Pomona, Golden State Water Company, Six Basins Watermaster, Puente Basin Watermaster, and Three Valleys Municipal Water District
- *DACs within the PBWA boundary will benefit from the additional new local water supply.*

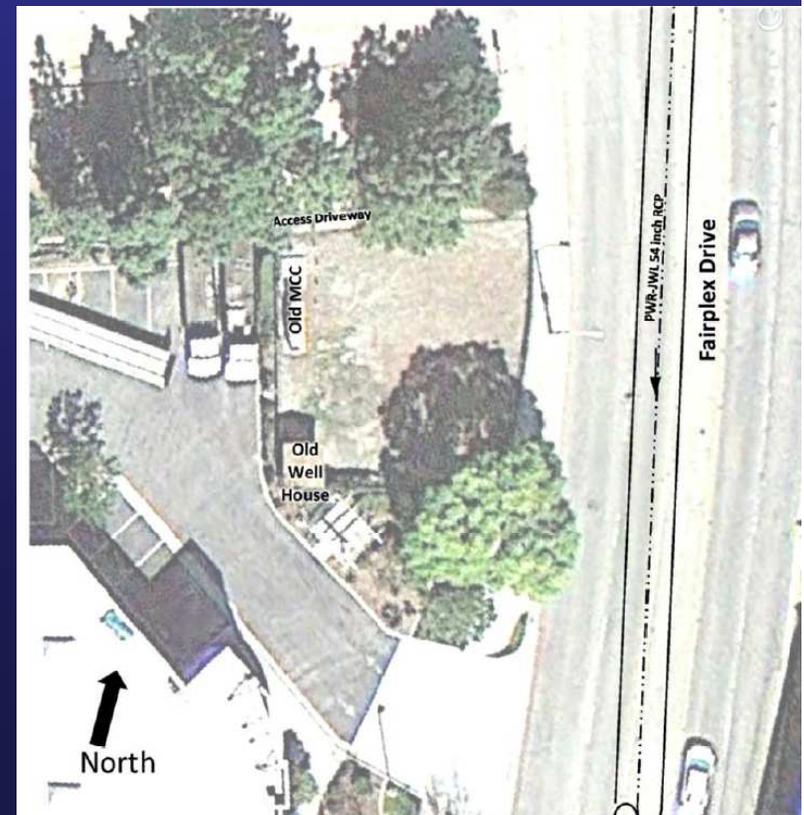
Project Status & Schedule

- Start Date: January 2015
- Completion Date: July 2016

Project Schedule	
Final Tech Memo (Alternatives Evaluation)	November 15, 2012
Final Engineering Report (Water Quality & 10% Design)	October 14, 2013
Final Design	Fall 2014
Contract Award	End of 2014
Construction Start	January 2015
Construction Completion	July 2016

Other Considerations

- CEQA --This Project is “Categorically Exempt.”
- We do not anticipate any right-of-way issues (both well locations are within project partners’ existing rights-of-way and the connection pipe is in public right-of-way (street)).
- Monitoring will be performed.



Questions

Contact Information:

Rowland Water District

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Walnut Valley Water District

Mike Holmes, General Manager
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La Puente Valley County Water District Recycled Water Project

Upper San Gabriel Valley Municipal
Water District & La Puente Valley
County Water District

Greg Galindo

Project Description



Project Description (con't)

- Provides recycled water for irrigation use to customers of LPVCWD
- Construction of recycled water distribution system (Pipeline, Booster Pump Station, Customer Retrofits)
- Drought Project Elements:
 - Provides immediate regional drought preparedness
 - Increases local water supply reliability
 - Assists in the implementation of conservation programs
- IRWM Project Elements:
 - Increases water supply reliability, water conservation, water use efficiency

Drought Connection

- The project provides a reliable supply of recycled water
- The project preserves groundwater supplies for potable use
- Declining groundwater levels in Main Basin will impact ability to produce groundwater

Benefits

- 52 AFY of recycled water for non-potable use
- Decreased reliance on potable groundwater supplies
- Addresses critical water needs in DAC
- Project Feasibility Study provides technical justification for the project

Project Details

- Funding:
 - Total Project Cost: \$1,224,000
 - Grant Request: \$918,000
 - Matching Funds: \$306,000 (25%)
- Partners: Upper San Gabriel Valley Municipal Water District, La Puente Valley County Water District, City of Industry
- Other: Provides reliable water supply in DAC

Project Status

- Project Status
 - CEQA Initial Study being finalized (Mitigated Negative Declaration)
 - Design in progress
- Project Schedule
 - Feasibility Study: Complete
 - CEQA/Environmental Permits: Complete by 08/31/2014
 - Design Initiated: Complete by 11/30/2014
 - Construction: Start by 03/01/2015
Complete by 03/01/2016

Other Considerations

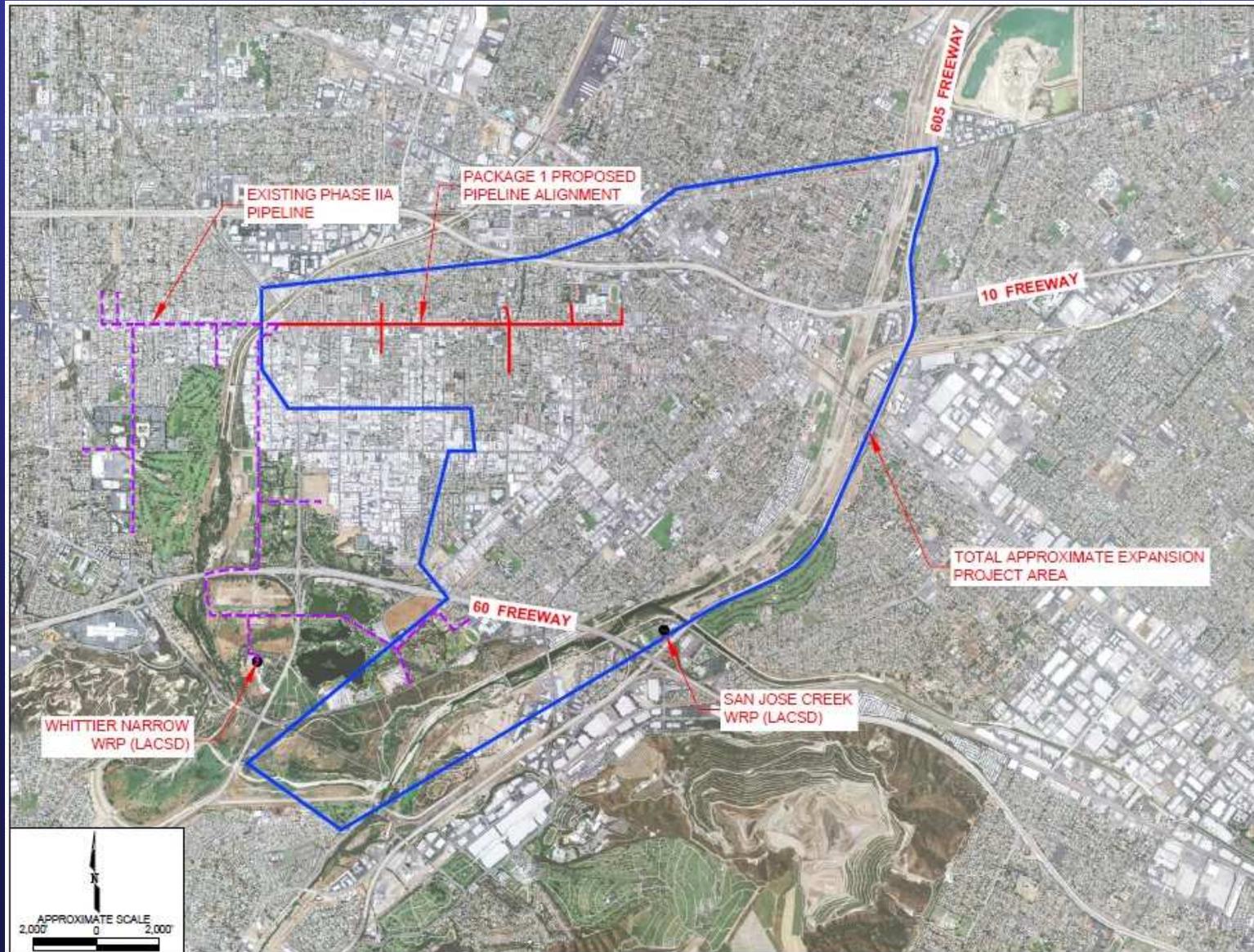
- Human Right to Water Policy
 - The project substitutes groundwater currently used for irrigation with recycled water and preserves groundwater for human consumption, cooking, and sanitary purposes.
- This project is an initial phase and can be expanded upon in the future

South El Monte Recycled Water Expansion Project – Package 1

Upper San Gabriel Valley Municipal Water District
& San Gabriel Valley Water Company

Dan Arrighi

Project Description



Project Description (con't)

- Provides recycled water for irrigation use to customers in the Cities of El Monte and South El Monte
- Expansion of an existing recycled water system
- Drought Project Elements:
 - Provides immediate regional drought preparedness
 - Increases local water supply reliability
 - Assists in the implementation of conservation programs
- IRWM Project Elements:
 - Increases water supply reliability, water conservation, water use efficiency

Drought Connection

- The project provides a reliable supply of recycled water
- The project preserves groundwater supplies for potable use
- Declining groundwater levels in Main Basin will impact ability to produce groundwater

Benefits

- 83 AFY of recycled water for non-potable use
- Decreased reliance on potable groundwater supplies
- Addresses critical water needs in DAC
- Project Feasibility Study provides technical justification for the project

Project Details

- Funding:
 - Total Project Cost: \$3,644,000
 - Grant Request: \$2,733,000
 - Matching Funds: \$911,000 (25%)
- Partners: Upper San Gabriel Valley Municipal Water District, San Gabriel Valley Water Company
- Other: Provides reliable water supply in DAC

Project Status

- Project Status
 - CEQA Initial Study being prepared (Mitigated Negative Declaration)
- Project Schedule
 - CEQA/Environmental Permits: Complete by 08/31/2014
 - Design: 90% Design – Complete by 09/30/2014
Final Design – Complete by 11/30/2014
 - Construction: Start by 02/01/2015
Complete by 07/31/2016

Other Considerations

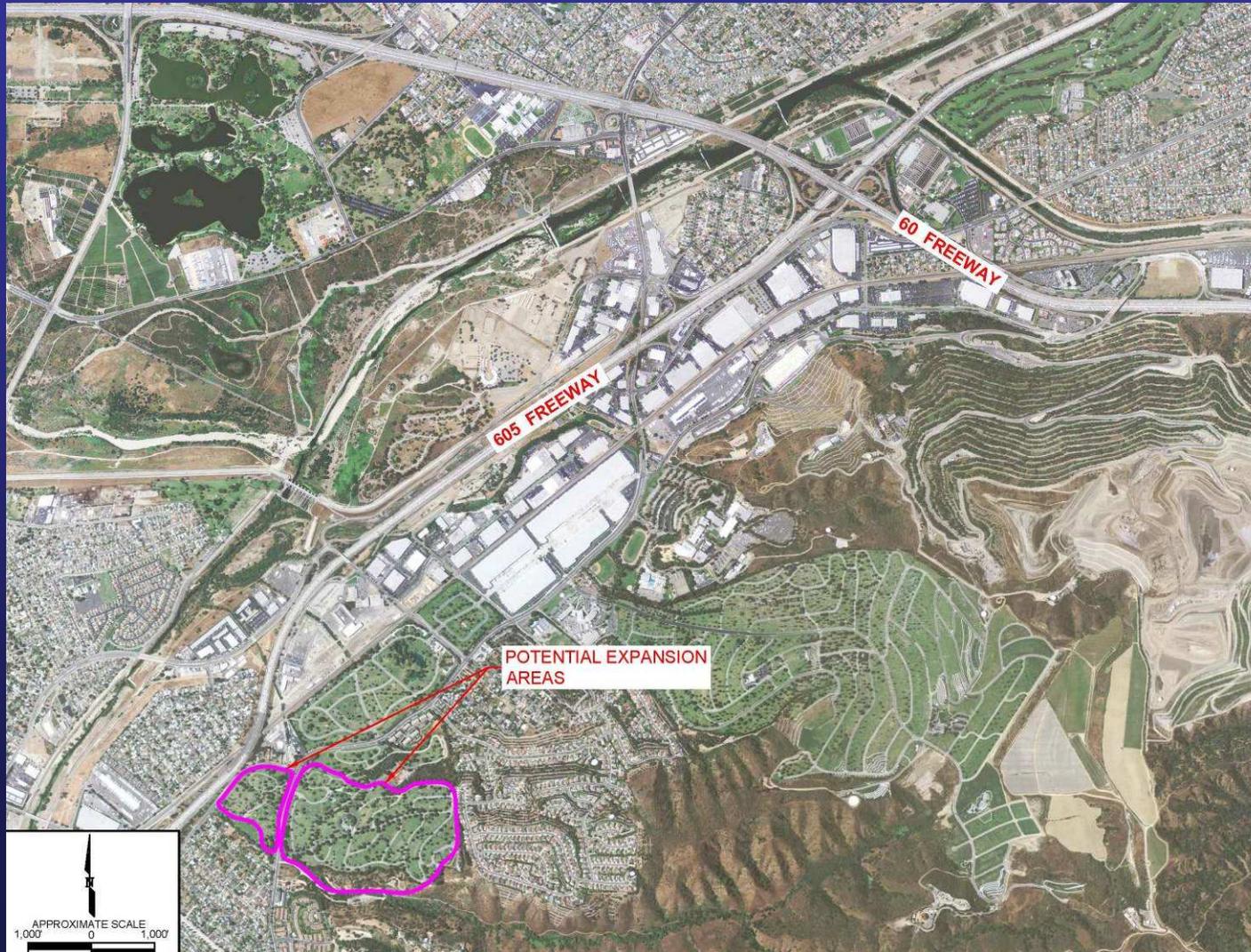
- Human Right to Water Policy
 - The project substitutes groundwater currently used for irrigation with recycled water and preserves groundwater for human consumption, cooking, and sanitary purposes.

San Gabriel Valley Water Recycling Project – Rose Hills Expansion

Upper San Gabriel Valley Municipal
Water District & Rose Hills Memorial Park

John Robinson

Project Description



Project Description (con't)

- Provides recycled water for irrigation use to Rose Hills Memorial Park
- Expansion of an existing recycled water system
- Drought Project Elements:
 - Provides immediate regional drought preparedness
 - Increases local water supply reliability
 - Assists in the implementation of conservation programs
- IRWM Project Elements:
 - Increases water supply reliability, water conservation, water use efficiency
 - Water banking, exchange, reclamation, and improvement of water quality

Drought Connection

- The project provides a reliable supply of recycled water
- The project preserves groundwater supplies for potable use
- Eliminates the requirement to import 600 AFY for groundwater overdraft replenishment

Benefits

- 600 AFY of recycled water for non-potable irrigation use
- Decreased reliance on potable groundwater supplies
- Address critical water needs in DAC via San Gabriel Valley Water Company service area
- Project Feasibility Study and current groundwater pumping provides technical justification for the project

Project Details

- Funding:
 - Total Project Cost: \$1,000,000
 - Grant Request: \$500,000
 - Matching Funds: \$500,000 (50%)
- Partners: Upper San Gabriel Valley Municipal Water District, Rose Hills Memorial Park, Los Angeles County Sanitation District
- Other: Provides reliable water supply in DAC via San Gabriel Valley Water Company

Project Status

- Project Status
 - Modifying existing CEQA Mitigated Negative Declaration
 - Design in Progress
- Project Schedule
 - CEQA/Environmental Permits: Complete by 08/31/2014
 - Design: 10% Design – Complete by 08/31/2014
 - Final Design – Complete by 11/30/2014
 - Construction: Start by 02/01/2015
 - Complete by 06/30/2015

Other Considerations

- Human Right to Water Policy
 - The project substitutes groundwater currently used for irrigation with recycled water and preserves groundwater for human consumption, cooking, and sanitary purposes.

City of Monrovia Fire Department Recycled Water Project

Upper San Gabriel Valley Municipal Water District

Reymundo Trejo

Project Description



Project Description (con't)

- Capture and reuse of water from firefighting training exercises
- Construction of stormwater capture and treatment system for direct reuse
- Drought Project Elements:
 - Assists in the implementation of conservation programs
- IRWM Project Elements:
 - Increases water supply reliability, water conservation, water use efficiency
 - Stormwater capture, storage, clean-up, treatment, and management
 - Water quality improvement

Drought Connection

- The project offsets potable water use by reusing water from training exercises and stormwater
- The project preserves groundwater supplies for potable use
- Declining groundwater levels in Main Basin will impact ability to produce groundwater

Benefits

- 15 AFY of reused water from training exercises and stormwater capture
- Decreased reliance on potable groundwater supplies
- Project Concept Level Work Plan provides technical justification for the project

Project Details

- Funding:
 - Total Project Cost: \$350,000
 - Grant Request: \$225,000
 - Matching Funds: \$125,000 (36%)
- Partners: Upper San Gabriel Valley
Municipal Water District, City of Monrovia,
Monrovia Fire Department

Project Status

- Project Status
 - CEQA Initial Study in progress (Mitigated Negative Declaration)
 - Design in progress
- Project Schedule
 - CEQA/Environmental Permits: Complete by 08/31/2014
 - Design Initiated: Complete by 11/30/2014
 - Construction: Start by 01/01/2015
Complete by 07/31/2015

Other Considerations

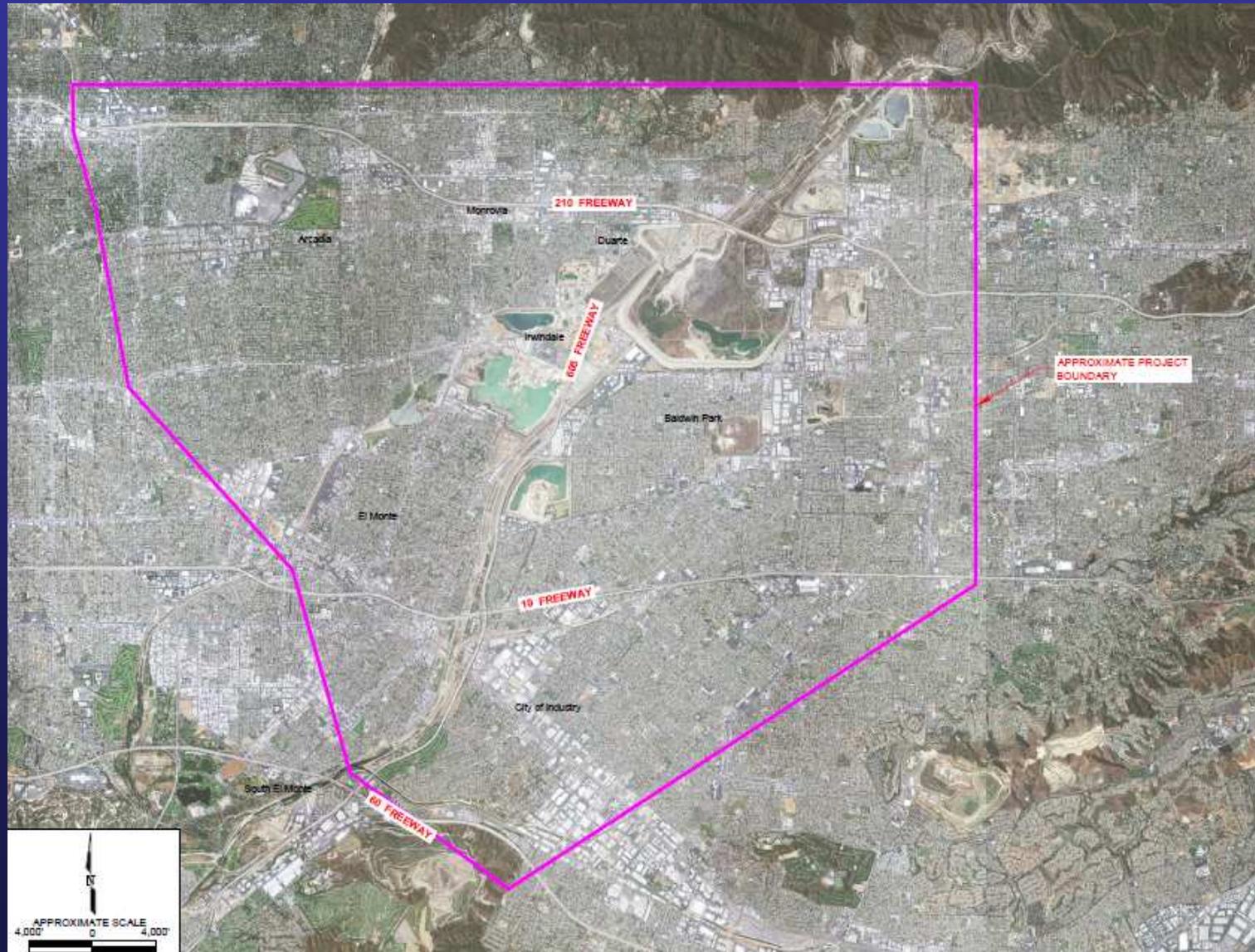
- Human Right to Water Policy
 - The project reuses water from training exercises and preserves groundwater for human consumption, cooking, and sanitary purposes.

Large Landscape Irrigation Survey and Retrofit Project

Upper San Gabriel Valley Municipal Water District

Reymundo Trejo

Project Description



Project Description (con't)

- Surveys and Retrofits of large landscape irrigation users to reduce demand and increase efficiency
- Drought Project Elements:
 - Assists water suppliers to implement conservation programs
- IRWM Project Elements:
 - Increases water supply reliability, water conservation, water use efficiency
 - Non-point source pollution reduction
 - Improvement of water quality

Drought Connection

- The project reduces water demand
- The project preserves groundwater supplies for potable use
- Declining groundwater levels in Main Basin will impact ability to produce groundwater

Benefits

- 75 AFY of demand reduction
- Reduces stormwater runoff
- Improves stormwater quality
- Upper District Water Use Efficiency Master Plan and results from previous surveys provide technical justification for the project

Project Details

- Funding:
 - Total Project Cost: \$1,250,000
 - Grant Request: \$500,000
 - Matching Funds: \$750,000 (60%)
- Partners: Upper San Gabriel Valley Municipal Water District, Upper San Gabriel Valley Municipal Water District Member Agencies

Project Status

- Project Status
 - Design in progress
 - Implementation in progress
- Project Schedule
 - CEQA/Environmental Permits: None required
 - Design Initiated: Complete by 11/30/2014
 - Construction: Start by 01/01/2014
Complete by 12/31/2015

Other Considerations

- Human Right to Water Policy
 - The project preserves groundwater for human consumption, cooking, and sanitary purposes.