

ROWLAND WATER DISTRICT



June 10, 2014

LOS ANGELES WATERREUSE CHAPTER





ROWLAND WATER DISTRICT



- Established in 1953
- 200 services to local ranchers and farmers



LACO Watereuse Chapter
June 10th, 2014

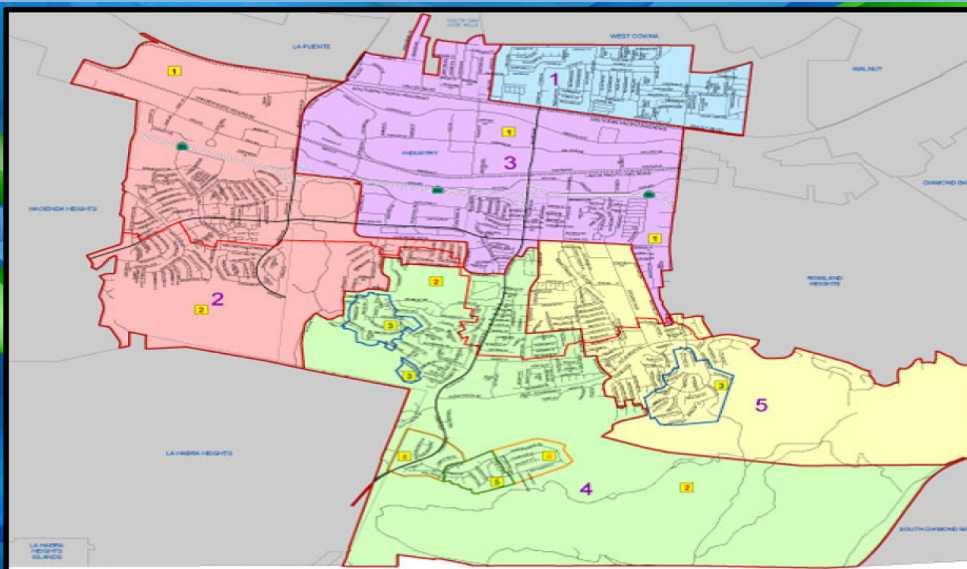
www.rowlandwater.com



ROWLAND WATER DISTRICT



- Service area is 17.2 Square miles
- 13,500 services connections
- Serving a population of ~58,000





ROWLAND WATER DISTRICT



- Until 2014, RWD relied 100% on imported water supplies
- Joint Use Agreement to import local groundwater supplies
- One interconnection completed in January 2014
- Second interconnection anticipated January 2015



LACO Watereuse Chapter
June 10th, 2014

www.rowlandwater.com



ROWLAND WATER DISTRICT



- 8 original recycled water service connections
- Board directed staff to expand recycled water system
- District issued a \$20M bond for the expansion of recycled water system
- Currently 115 recycled water service connections



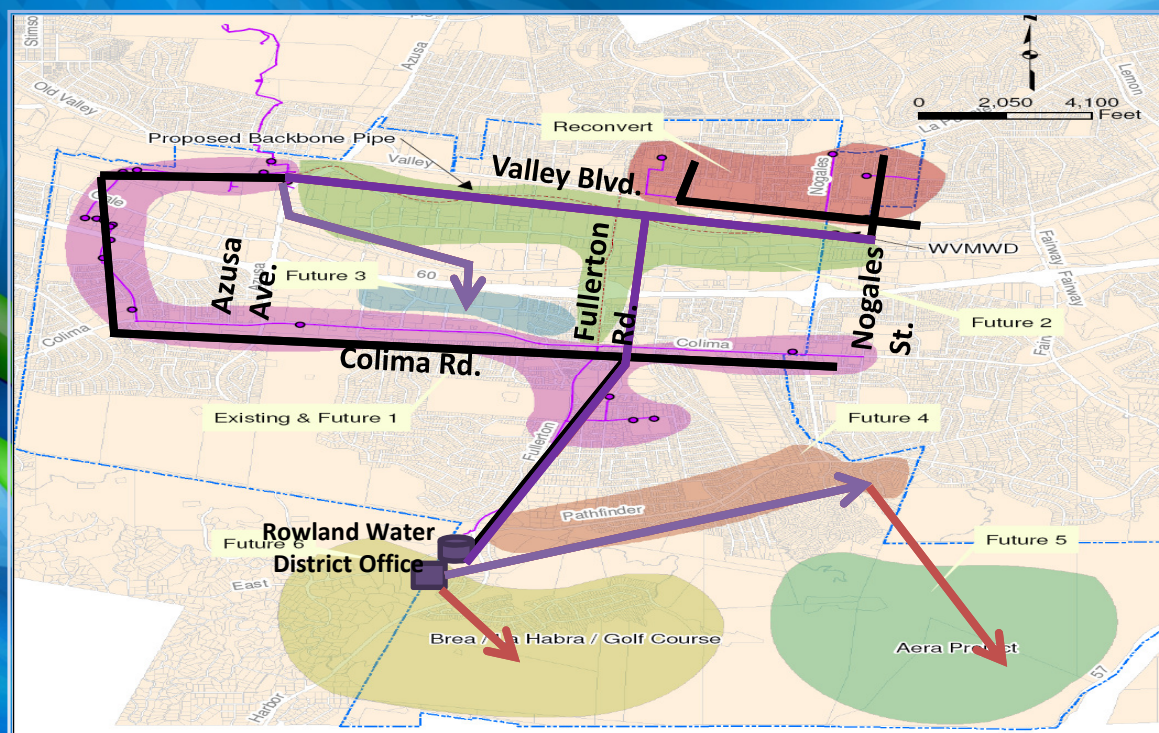
SOURCES OF RECYCLED WATER



- Extraction and utilization of groundwater rights held in local shallow zone basin.
- Non-potable effluent from EPA superfund site
- Multi-agency agreements with City of Industry and Los Angeles County Sanitation District



RECYCLED WATER SYSTEM EXPANSION



LACO Watereuse Chapter
June 10th, 2014

www.rowlandwater.com



RECYCLED WATER SYSTEM EXPANSION



LACO Watereuse Chapter
June 10th, 2014

www.rowlandwater.com



RECYCLED WATER SYSTEM EXPANSION



- District retrofitted customers irrigation system at parks, schools, nurseries, and commercial properties to use recycled water
- RWD staff completed all on-site retrofits at no cost to customers in initial phases
- No new employees were hired for retrofits



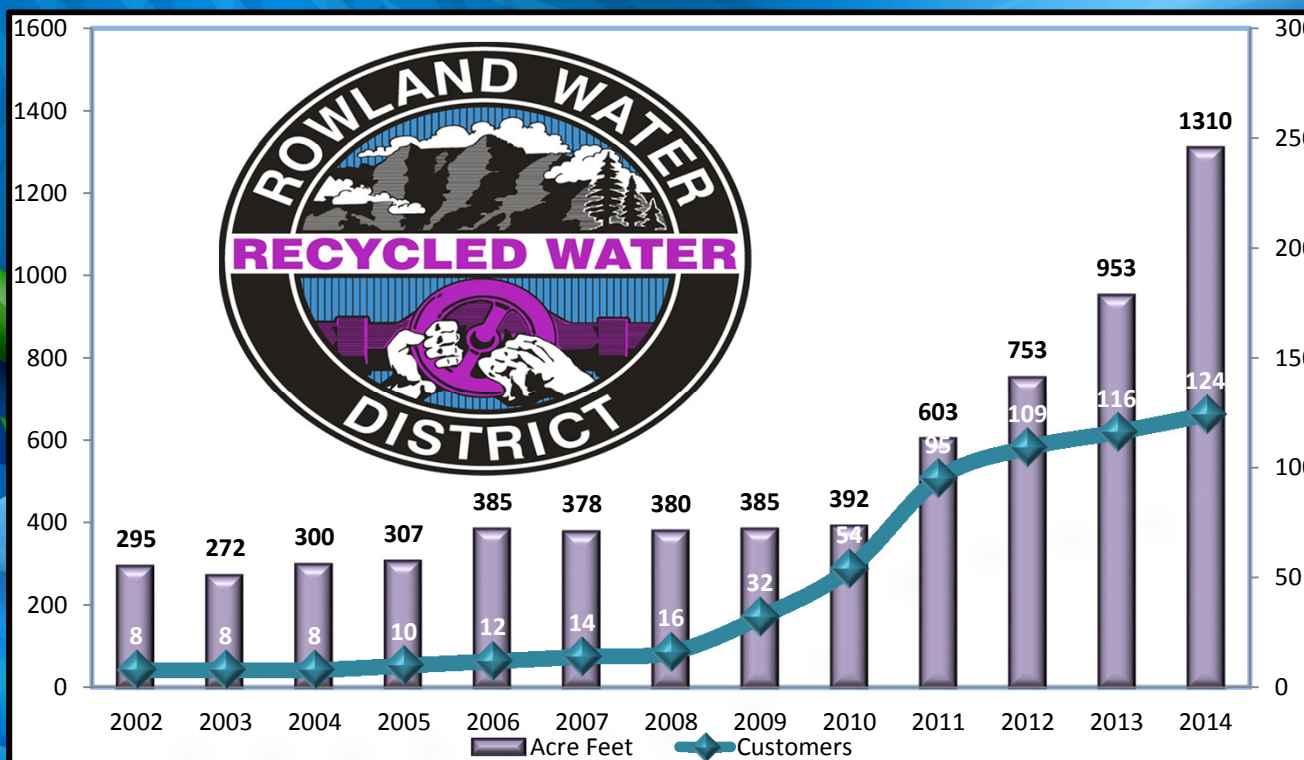
UNIQUE CHALLENGES ALONG THE WAY



- Freeway & railroad pipeline crossings
- Complex written agreements
- Discovered & corrected on-site cross-connections
- Dual plumbed sites with engineers report
- Imposed financial penalty on properties unwilling to use recycled water



INCREASE IN RECYCLED WATER USE





MOBILITY PLATFORM



Field utilization of iPad tablet:

- Annual recycled water inspections
- XC2 Recycled water customer database software
- Access GIS for valve isolation, Dig Alerts, etc.
- Cross-Connection surveys





FUTURE EXPANSION



- Expansion of impaired local groundwater sources
- Phase 3 expansion of recycled water system
- Potential 3,500 home development
- Additional recycled water storage
- New industrial use customers
- Establish inter-connection between SJWRP and PWRP through WVWD

THANK YOU FOR YOUR TIME



DUSTY MOISIO

(562) 690-7150

dmoisio@rowlandwater.com

LOS ANGELES WATEREUSE CHAPTER

