ROWLAND WATER DISTRICT

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

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ROWLAND WATER DISTRICT

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

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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
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

- 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

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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

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THANK YOU FOR YOUR TIME

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