

Crescenta Valley Water District

Long Term Capital Improvement Project Program Summary

1. Water Supply

- Well Rehabilitations
 - 2 Well per Year
- New Groundwater Wells
 - Well Replacement Study including drilling pilot holes
 - New Well 18 – Sycamore
 - New Well 19 – based on Well Replacement Study
- Stormwater Recharge Projects
 - Crescenta Valley Water Park
 - 3-year project including planning, design & const.
 - Grant & Stakeholder (Glendale & Los Angeles County) Funding
- Water Supply Studies
 - Water Resource Study – Groundwater, Import & Recycled Water
 - GWP Water Supply Feasibility Study
 - Verdugo Basin Groundwater Study

2. Water Storage

- Steel & Concrete Reservoir Rehabilitation
 - 1 Reservoir per Year
- Cathodic Protection Inspection & Replacement
- Water Quality Mixing Systems
 - Water mixing systems to prevent nitrification
- Water Storage Studies
 - Reservoir Inlet/Outlet & Overflow Piping Study
 - Conditional Assessment of Reservoirs Study
 - Ocean View #2 Reservoir Feasibility Study

3. Water Distribution

- Pipeline Replacement
 - 10,600 LF per Year
- Booster Pumps Replacement
 - 2 Booster Pumps per Year
- Pump Station Upgrade & Motor Control Center Replacement
 - Upgrade Pump Station with building, new pumps, site improvements, etc.
 - Upgrade Electrical Motor Control Centers
 - Replace 1 Pump Station every 2-years
- Ramsdell Mixing Station
 - New Pressure Reducing Station – Zone 2 to Zone 1
 - Upgrade Ramsdell Mixing Station with new valves, meter and SCADA
- Miscellaneous Projects
 - Upgrade Surge Tanks at Glenwood, Mills & Paschal
 - Mills Plant Aeration Tower
- Water Distribution Studies
 - Surge Control Analysis Study
 - Pressure Reducing Station Analysis Study
 - Power/Electrical Study
 - Water Distribution Hydraulic Study

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4. Water Treatment

- Ion Exchange Treatment Plant
 - Glenwood – Replace Resin
- Bio Remediation AroNite Treatment Plant
 - Ordunio – Replace Media
- New Nitrate Treatment Plant
 - Mills – design & const.
- Disinfection System Upgrades
 - Conversion to Chloramines

5. Technology

- Advanced Metering Infrastructure (AMI) System
 - Replacement – Smart Meters
 - Meter Lids & Radio Transceivers
 - Communication Network
 - Customer Service Interface
- Supervisory Control and Data Acquisition (SCADA) System Upgrade
 - Upgrade Communication Radio Network
 - 2-year project - SCADA RTU/PLC Replacement Project

6. Public Safety/Emergency Response

- New Emergency Electrical Generator – Field
- Seismic Sensors & Valve Actuators – 3 Reservoir sites
- Local Hazard Mitigation Plan (FEMA Grant)
- Security Cameras & Equipment
 - Main Office
 - Reservoir/Booster Station Sites (17 sites)

7. Facilities & Planning

- Williams (Ocean View) Site
 - Site Improvements to improve efficiency
- Encinal Reservoir
 - Conversion of Old Reservoir to Storage Equipment Facility
- Facilities Maintenance Master Plan
- Pickens Canyon Reservoir
 - Relocation of Roadway
- Edmund #2 Reservoir
 - Repairs of Roadway
- Facilities & Planning Studies
 - Asset Management Study
 - Computer Maintenance Management System (CMMS)
 - Solar Power Feasibility Study