



LCWD Recycled Water Pipeline Project (CIP 15718) Completion

Napa Sanitation District
Board of Directors Meeting
August 3, 2016



Project Goals

- Reduce groundwater and surface water use for agriculture in LCWD
- Recycled Water Beneficial Reuse



Project Elements

- 9 miles of recycled water pipe ranging from 20-inches to 6-inches in diameter.
- Pipe Bridge over Carneros Creek at Las Amigas Road
- Remote water usage monitoring
- Milestones incorporated into project for bringing water to customer



Project Map





Pipeline Construction in Streets





Pipeline Construction in Easements





Pipe Bridge Construction





Fused PVC Pipe





Antenna Installation





Construction Costs

- \$10.63M Construction Cost
- Total Change Orders: \$79,649
 - 0.75%, less than 1%



Project Costs & Funding Summary

- \$16.5M Project Cost (approx.)
 - \$10.63M Construction Cost
- \$2M Prop 84 Grant (State)
- \$4.15M Prop 1 Grant (State)
- \$1.63M (Bureau)
- \$150k Measure A (County)
- 1% interest SRF Loan (State)
- All NSD costs reimbursed by LCWD
- **COST TO NSD RATE PAYERS: \$0**



Results

- Milestones allowed for customers to start using water in the Fall on 2015.
 - One customer connected in October 2015.
- Reduced groundwater extraction for irrigation in LCWD.



Questions?



Staff Recommendations

- Adopt Resolutions Accepting Completion and Direct the General Manager/District Engineer to file Notice of Completion at the Office of the Recorder.