

**TUOLUMNE UTILITIES DISTRICT
FY 19 CAPITAL IMPROVEMENT PROGRAM
STATUS-AT-A-GLANCE AS OF AUGUST 14, 2018**

| Project | Water | Sewer | Map No. | Description | FY19 Budget | Total Project Cost | Status | Status Code |
|--|-------|-------|---------|--|-------------|--------------------|---|-------------|
| Phoenix Lake Preservation and Restoration Plan | | | 1 | The budgeted amount reflects ancillary costs such as consultant travel, lodging, etc., which are not eligible for reimbursement under the grant program. | \$500,000 | \$6.1 million | Plans are approximately 70% complete. CEQA document has been adopted. TUD has received a 401 Permit from the RWQCB and is awaiting additional permits from USACOE and Ca. Dept. of Fish and Wildlife. | G |
| Cuesta Heights Tank-Phase 1 | | | 2 | The first two phases of a 4-year project to design, construct and consolidate three water tanks into one 600,000 gallon treated water storage tank. The project will also replace the Saratoga Pump Station with a new pump station and improve system reliability and fire flow. | \$475,000 | \$2.7 million | The State has informed us that grant funds will not be available for the project so TUD is requesting a 0% interest loan. TUD is currently bidding the pipeline segment from the proposed pump station to the proposed tank site. | G |
| Mono Vista Tank #1 - New Tank 125K | | | 3 | Design and start construction on replacing a 125,000 gallon tank that is in poor condition. | \$300,000 | \$300,000 | Field survey work is complete. Staff are in the process of selecting a consultant to do the design. | G |
| Jamestown Tank (TUD Cost Share) | | | 4 | TUD's cost share of a \$1.4M community development block grant to replace the Jamestown reservoir with a new 1 million gallon welded steel tank. | \$300,000 | \$300,000 | Tank foundation is complete. Erection of the tank will begin the week of August 6th. | G |
| Sonora Distribution Improvements- Bourbon Street | | | 5 | First phase of a multi-year effort to eventually replace 4,750 linear feet of old water mains within the city of Sonora (Green, Bradford, Stewart Streets) that have exhibited a high incidence of failure resulting in costly repairs. | \$225,000 | \$1.04 million | The project is currently out to bid. | G |
| Matelot Pipeline | | | 6 | This project will install a pipeline connecting the Matelot Reservoir to the Columbia Water Treatment Plant to greatly improve efficiency and raw water quality at the plant. | \$100,000 | \$300,000 | Awaiting the results of the Cultural Resources Survey. | G |
| Volponi Tank Consolidation | | | 7 | Abandon the Volponi tank and pump station through the installation of a pressure reducing station and small pipe segment. | \$105,000 | \$105,000 | A work order has been issued and staff are in the process of ordering the vaults and the valves. | G |
| Tank Ventilation Improvements - 10 Tanks | | | | Install ventilation on ten storage tanks to reduce the concentration of chlorine gas in the headspace of the tank and thereby reduce the corrosivity of atmosphere in the tank and slow the rate of deterioration. | \$200,000 | \$200,000 | This project is scheduled to go out to bid in the next few months. | G |
| Annual Ditch Improvements | | | | Annual maintenance to fix leaks, raise sidelines, clean weed choked areas, eliminate hazard trees, and repair spills at various locations along the ditch. | \$110,000 | \$550,000 | Following TUD Board approval of the proposed maintenance areas, Staff are gearing up for property owner consultation and hiring of temporary labor. | G |
| Crystal Falls Techite Replacement- Phase 1 | | | 10 | This project is the first phase of a project that will eventually replace 9,000 linear feet of Techite Pipeline from the Crystal Falls Water Treatment Plant down to Rhine Court. Replacement of this line will result in less labor, equipment and material costs associated with repair efforts multiple times per year. | \$260,000 | \$695,796 | Staff will be evaluating contracting for design and construction of the techite replacement in a multi-year phased approach to this capital improvement. Design will start in FY19. | G |
| Eureka Pipe Ditch Segments Design | | | 11 | This represents the design, permitting, and right-of-way acquisition for a project that will eventually replace several segments of raw water pipe that are lying on top of the ground along hillsides that are prone to tree fall and landslides. | \$80,000 | \$80,000 | This project is pending CEQA and cultural design review. | G |

Legend/Status Code:

Dark Blue (DB) = Completed

Green (G) = On Target 2019

Orange (O) = Project Delayed

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| Ditch Meters | | | | Install an estimated 550 battery operated mag meters (iPerl) and customer side gate valves on ditch turnouts throughout the system. | \$65,000 | \$126,500 | The District has received 165 meters to replace existing ditch meters. The installation is occurring when time allows and according to staffing priorities. An estimated 20 meters have been installed. | G |
| Upper Columbia Ditch Shoot Flume | | | 13 | Replace leaky exposed pipeline segments that are critical to deliver source water for 4,000 customers. | \$30,000 | \$190,000 | An environmental consultant is currently doing preliminary CEQA work and then an engineering consultant will be selected to start design. | G |
| Enterprise Resource Program 70% | | | | New financial management and utility billing software system to replace existing system which is no longer supported by the software vendor. Project to be financed over several years. Budget represents the water fund's allocation of cost. Sewer share budgeted separately. | \$140,000 | \$396,000 | Design and migration schedules have been completed, one each for the Financial Management System and one for the Customer Information System (i.e. Utility Billing). Planned go live dates are January 2019 and May 2019 for each system, respectively. | G |
| O'Neil Tunnel Repairs | | | 15 | The O'Neil Tunnel, which conveys water from the Table Mountain Ditch upstream of the O'Neil Reservoir, may be registering ground movement at the exit of the tunnel. A geotechnical engineer will conduct an assessment of the tunnel and to recommend methods to stabilize the tunnel. This budgeted amount includes identified necessary repairs. | \$100,000 | \$100,000 | The Board approved the concept of installing a pipe within an open tunnel. An environmental consultant is currently working on CEQA compliance and then TUD staff will finalize a design for construction in 2019. | G |
| General Raw Water System Improvements | | | | Project to provide interim water supply to Upper Basin Water System to offset storage lost at Lakewood Dam Reservoir. | \$250,000 | \$250,000 | The engineering consultant is approximately 80% complete with the design. The environmental consultant has completed field surveys to support permit applications. Permit applications are being prepared. Construction is expected in 2019. | G |
| Pedro Y Utility Relocations - County Contractor Build | | | 17 | TUD's share of utility relocation costs to accommodate Tuolumne County's project at intersection of Parrotts Ferry Road and Hwy 49. | \$75,000 | \$75,000 | Staff have completed the design. TUD and the County are working on an agreement for the County's Contractor to undertake the work. | G |
| TUD Centralized Facility Repairs 70% | | | | Construct needed improvements including fire sprinkler system repairs, landscaping, carpet replacement, pavement maintenance, installation of water efficient fixtures, and audio/visual upgrades to the Board and Conference Room. Budget represents the water fund's allocation of cost. Sewer share budgeted separately. | \$122,500 | \$250,000 | Resurfacing of the pavement at the TUD main facility and operational areas has been completed. All other work is in progress. | G |
| TOTAL WATER PROJECTS CIP FY | | | | | \$3,437,500 | \$14,018,296 | | |
| RWWTP Improvement-Phase 1 | | | 1 | Construct improvements to the treatment processes at the Sonora Regional Wastewater Treatment Plant. | \$330,000 | \$3.9 million | The consultant has finished the alternatives analysis and we have nearly completed the construction funding application. Staff is having a "peer review" of the proposed project and will be providing an informational presentation to the Board at a future date. | G |

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| General Collection System Lining | | | | This project reflects TUD's annual investment in rehabilitating select segments of its sewer collection system by using cured-in-place pipe. | \$500,000 | \$2.5 million | Staff plan to release this project for bid within the next 2 weeks. | G |
| General Collection System Improvements | | | | Repair and replace segments of pipe throughout the collection system as identified by CCTV inspections and action requests generated by sewer backups or overflows. Work is undertaken by TUD staff. | \$100,000 | \$550,000 | Ongoing work as needed. | G |
| 1 Flush Truck and 1 Vacuum truck | | | | Replace 2002 Vac-Con truck due to CARB with two trucks – flush truck and vacuum truck. | \$450,000 | \$450,000 | Specs for the truck design are being reviewed by the Fleet Foreman and Wastewater Superintendent. The trucks will be ordered soon. | G |
| Saratoga Lift Station Replacement | | | 5 | To construct a new sewer lift station to replace the old lift station. The new lift station will also have a generator, backup pumps, and an overflow sump in the event of a mechanical failure. | \$235,750 | \$235,750 | Staff are working with PG&E to acquire a new electrical service. The sumps, pumps, and controls have been ordered. Construction of the facility will occur in phases depending upon the availability of TUD construction crews. | G |
| Columbia Village Lift Station | | | 6 | Install overflow sump and fence | \$60,000 | \$60,000 | Pending construction maintenance installation. | G |
| Parrotts Ferry Lift Station-Control Panel | | | 7 | Upgrade control panel | \$60,000 | \$60,000 | This panel has been designed and ordered. | G |
| Hillcrest and Palemone Realignment Project | | | 8 | Realign and increase size of sewer mains near the intersection of Hillcrest and Palemone | \$55,000 | \$55,000 | Pending construction/maintenance scheduling. | G |
| TUD Centralized Facility Repairs 30% | | | | Construct needed improvements including fire sprinkler system repairs, landscaping, carpet replacement, pavement maintenance, installation of water efficient fixtures, and audio visual upgrades to the Board and Conference Room. Budget represents the water fund's allocation of cost. Sewer share budgeted separately. | \$52,500 | \$250,000 | Resurfacing of the pavement at the TUD main facility and operational areas has been completed. All other work is in progress. | G |
| Enterprise Resource Program 30% | | | | New financial management and utility billing software system to replace existing system which is no longer supported by the software vendor. Project to be financed over several years. Budget represents the water fund's allocation of cost. Sewer share budgeted separately. | \$60,000 | \$396,000 | Design and migration schedules have been completed, one each for the Financial Management System and one for the Customer Information System (i.e. Utility Billing). Planned go live dates are January 2019 and May 2019 for each system, respectively. | G |
| TOTAL SEWER PROJECTS CIP FY | | | | | \$1,903,250 | \$8,456,750 | | |

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