

**TUOLUMNE UTILITIES DISTRICT
FY 19 CAPITAL IMPROVEMENT PROGRAM
STATUS-AT-A-GLANCE AS OF DECEMBER 11, 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 90% 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. Construction is estimated to begin in 2019.	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 prepared to award the first phase of the pipelines and is currently out to bid on the second phase of the pipelines. A CDBG grant application is being developed and is planned to be submitted in late January 2019.	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. The District is currently reviewing 30% plans from the consultant.	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	The storage tank is complete and fully operational. Additional tasks remaining, include demolishing the old tank and constructing a new valve building.	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 new water main is complete and operational. The contractor has been issued a Notice of Completion.	DB
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	The Cultural Resources Report has been submitted to the California State Parks archeologist for review and determination if the State Parks will grant TUD the easement necessary to construct the pipeline.	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	The project is 90% complete. Staff are waiting on some parts that are on-order for final completion to occur.	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	The District is prepared to award a contract for this work. The contract is proposed to be awarded at the December 11, 2018 Board meeting.	G
Annual Ditch Maintenance				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	Work is on-going.	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 have formulated a plan for the first phase of the pipeline replacement that would allow TUD crews to do the work. A work order will be forthcoming.	G

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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	District staff have not had the time to even procure a consultant to do the design and environmental. We hope to scope the project in Spring 2019.	G
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	Configurations are in process and user trainings have been scheduled. Go live dates are January 2019 for the finance system and May 2019 for the utility billing system.	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. The environmental field work is complete. Staff will be preparing a bid packet to have a contractor complete the work. A date for that is TBD.	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. The permit applications are in process. Staff are hopeful that construction can occur 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
Tuolumne City Water Main				Replace the asbestos cement pipe coming out of the Tuolumne WTP and serving the entire community of Tuolumne.	\$400,000 Grant	\$445,000	Project design is complete. Staff anticipates circulating for bids in January or February 2019.	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. Bids for carpet replacement have been received and Staff will be making a recommendation to the Board for Award of Contract.	G

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TOTAL WATER PROJECTS CIP FY					\$3,437,500	\$14,103,296		
RWWTP Improvement-Phase 1			1	Construct improvements to the treatment processes at the Sonora Regional Wastewater Treatment Plant.	\$330,000	\$3.9 million	In a recent Board Workshop, Staff presented a workplan for improvements to the RWWTP. One of the first steps is convening a meeting with Calaveras County to discuss a regional septage facility. A date for that meeting has yet to be determined. Other priorities that were identified include: improving Sludge Handling Facilities, developing a Title 22 Report and obtaining a new Waste Discharge Permit from the state.	G
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	The first phase of lining along the railroad tracks is complete. Another round of lining is expected next year.	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	The trucks have been ordered.	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 received. 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	The plans have been developed. Staff are requesting quotes for the sumps, pumps, and controls.	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
Law and Justice Center Screen				County to fund installation of grinder and screen at the Law and Justice Center Lift Station	\$250,000	\$250,000	Contract has been awarded and materials have been received. Contractor is scheduled to start in early 2019.	G
Twain Harte Interceptor Condition Assessment				Conduct condition assessment of pipeline to assist the Board in establishing policy for new connections.	TBD	TBD	The consultant has completed the workplan. Staff intends to circulate for bids in Spring 2019. The funding for completion of the project will need to be determined.	G

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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. Bids for carpet replacement have been received and Staff will be making a recommendation to the Board for Award of Contract.	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	Configurations are in process and user trainings have been scheduled. Go live dates are January 2019 for the finance system and May 2019 for the utility billing system.	G
TOTAL SEWER PROJECTS CIP FY						\$2,153,250	\$8,706,750		

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