

T-S IRWM: Prop. 84 Drought IRWM Grant Funding Update - March 2018

(Report is a summary of the progress reports submitted to Department of Water Resources.)

Project #1: Tuolumne-Stanislaus IRWMA Grant Agreement Administration

Work Accomplished During This Reporting Period

TCRCD worked with project proponents to compile invoices and progress reports. Project #3 is still waiting to start implementation.

Project #2: Tuolumne County Resource Conservation District Regional Water Conservation Program

Work Accomplished During This Reporting Period

- TCRCD is working with Sierra Watershed Progressive on planning and design of task 4c(3)(d) Large Scale Water Conservation Demonstration Program. Construction of demonstration sites will begin in late spring 2018. Planned sites include demonstrations at Twain Harte Elementary, Calaveras County Fair, Bureau of Reclamation New Melones Visitors Center, and Sierra Waldorf School.
- TCRCD is working with Tuolumne River Trust to implement a watershed and water conservation education in regional elementary and high schools utilizing the Augmented Reality Sandbox.
- Mobile WATER Learning Lab, a 25ft enclosed trailer that was developed to be an interactive display of water conservation Best Management Practices and soils education, was displayed at the Sonora Home and Garden Show, Calaveras Fair, Mother Lode Fair, Localizing CA Water Conference, and at local hardware stores and nurseries. The trailer is staffed by the district as well as our project partners so that visitors have the opportunity to ask questions and have a more detailed discussion about BMPs they are interested in.
- TCRCD is working with the Amador Tuolumne Community Action Agency (ATCAA) to expand their current program for In-Home DAC Water Conservation. The program includes the house calls and water audits to DAC homes within the region.
- TCRCD is implementing its Incentive program with rebates for toilets, shower heads, pre-rinse sprayers, and rainwater catchment.

Scheduling Concerns & Outstanding Issues

None.

Deliverables Completed This Reporting Period

Photos of Mobile Water Learning Lab Trailer, Demonstration Site Plans, ATCAA Water Conservation Reports, Outreach and Education Statistics

Work Anticipated for Next Period

- ❖ Utilize the Mobile WATER Learning Lab Trailer and Augmented Reality Sandbox in education and outreach events.
- ❖ Construction of BMP Demonstrations.
- ❖ Continue to implement the incentive program.
- ❖ Continue to work with TRT on watershed and water conservation education.

Project #3: Tuolumne Utilities District Phoenix Lake

(Project not scheduled to start implementation at this time.)

Project #4: Twain Harte Community Services District Water Supply Reliability Wells

Work Accomplished During This Reporting Period

- Drafted, negotiated and completed lease agreement with option to purchase with legal counsel and land owner for Well #3B.
- Developed and completed final lease boundary map and legal description.
- Begun drafting final land purchase agreement required to exercise option to purchase land for Well #3B.
- Completed CEQA analysis and Notice of Exemption for Well #3B.
- Obtained well permit for Well #3 from Tuolumne County.
- Developed specifications for Well #3B pump and controls.
- Packaged bid documents, conducted pre-bid meetings, solicited bids, awarded contracts and issued notices to proceed associated with Well #3B
- Administered District operations staff labor for site preparation of Well #3B for drilling and electrical improvements.
- Managed Well #3B Drilling contract, including schedule, cost tracking, observation and inspection of work, coordination with Tuolumne County Community Resources Agency, inspecting safety practices, review and approval of pay requests, documenting progress and issuing a notice of completion.
- Managed Well #3B Electrical contract, including schedule, cost tracking, observation and inspection of work, inspecting safety practices, review and approval of pay requests and documenting progress.
- Managed Well #2 control panel and filtration modifications to meet State Water Resources Control Board requirements.
- Tracked overall project construction costs and schedule and forecasted budget needs/issues.
- Prepared monthly construction status reports with photo documentation.
- District staff mobilized equipment for site preparation of Well #3B.
- Well drilling contractor mobilized and demobilized drilling equipment for Well #3B.
- District staff mobilized equipment to install Well #3B electrical improvements.
- Drilled Well #3B to a depth of 680 feet and perform basic testing to gage initial well productivity.
- Sealed Well #3B in accordance with State and County standards.
- Purchased and installed temporary piping for well testing.
- Installed power poles and electrical lines necessary to power Well #3B.
- Purchased and installed power panel in a temporary location so that Well #3B testing could be performed. Panel will be used in final improvements.
- Procured and installed pump and motor and 2-inch well piping and wiring for Well #3B.
- Procured and initiated installation of a variable frequency drive and well control panel for Well #3B.
- Modified Well #2 control panel programming to meet State Water Resources Control Board requirements, in order to receive Well #2 operating permit.
- Procured and installed scale for Well #2 corrosion protection equipment required by the State Water Resources Control Board requirements to grant Well #2 operating permit.
- Procured flow meter for Well #3B and installed as part of temporary testing piping.

Scheduling Concerns & Outstanding Issues

None.

Deliverables Completed This Reporting Period

Lease Agreement with Option to Purchase for Well #3B, Notice of Exemption for Well #3B (submitted in September 2017), Legal Challenge Letter for Well #3B (submitted in September 2017), County Well Permit for Well #3B, Specifications for Well #3B Pump and Controls, Bid Documents associated with Well #3B, Construction Status Reports – August 2017 through October 2017 and January 2018, Photographic documentation of construction, Notice of Completion for Well #3B Drilling, Well Log/Well Completion Report - Well #3B

Work Anticipated for Next Period

- ❖ Complete Well #2 construction, including remaining site paving to be completed summer 2018.
- ❖ For Well #3B:
 - ❖ Complete land purchase agreement and filing survey documents with Tuolumne County.
 - ❖ Complete electrical improvements and well pump motor and controls.
 - ❖ Perform well flow test and Title 22 water sampling.
 - ❖ Initiate design for well building, piping and equipment.