

~ State Revolving Fund (SRF) Projects Update

Meeting Date: 12/12/2023 Prepared by Rae Bell Arbogast GM

1. Ram Spring Improvement Project (RSIP) Project ID 4600012-008C

This is a continuation of Planning Project ID 4600012-0008P started in 2015 and completed 12/31/2020.

Funding Agreement dated 10/12/2023 ~ Estimated completion date: 2/28/2026 ~

Budget: Up to \$1.5 Million Budget categories as approved by the state were provided in the Nov.2023 meeting documents. The preliminary engineer's estimate that was prepared as part of the application process is attached.

Primary objective: To reconfigure the Ram Spring Pumphouse and facilities to accommodate and protect the driven pipes that were installed as part of the planning project. Planning Projects do not cover permanent infrastructure costs, for that reason, after the driven pipes were installed, the facilities were reconfigured as quickly and cheaply as possible while still meeting State Drinking Water Standards.

Other objectives: To build a 12' x16' building at the Ram Spring that can be used as a "sample lab" and to store district tools and records. To upgrade all residential water meters under a special program for that purpose. To update the stand-by generator and pumps that are over 30 years old.

Scope of work:

Replace Ram Spring Manifold (external piping), new pipes to be fully supported and buried for UV and freeze protection. Additional overflow capacity to be added for high water events, to allow the escape of excess water without causing backpressure inside the driven pipes. This can compromise their productivity and even wreck them. (Water follows the path of least resistance, and if new channels are formed by back pressure the water may flow in those channels rather than through the driven pipes when water levels reside again).

Remove all trees and brush in the spring collection area and replace fencing Current fence will be removed, tree removal shall take place all the way to the back of the parcel (current fence is not placed on the property lines). A new fence will be installed that will fence off a larger area, all the way to the back (uphill side) of the property. (Don't have a drawing that shows both the old and new fence line on one sheet will ask for one). The tree removal serves two main purposes: 1. To protect the driven pipes from tree root intrusion which can stop water flow. 2. For increased fire protection around the facility.

Pumphouse upgrades: Replace pumps & generator, install SCADA compatible flowmeter to record water production (mechanical meter installed in 2019 will also be kept in place). Chlorination system upgrade, to be compatible with SCADA system. (Other configuration updates as identified with completion of plans and specifications).

Construct a concrete support pad and permanent shelter for 1,000 gallon poly tank This tank was put in place after the pipes were driven to replace the in-ground sump inside the pumphouse. The old sump was not isolated from surface water intrusion. In order to fully eliminate surface water intrusion, the sump had to be taken out of the circuit. The tank is currently sitting in the dirt. It will be placed on an engineered concrete slab and a snow-roof will be placed over it.

Residential water meters will be upgraded The state has a special program for this and ACWD meters are all beyond their useful life expectancy.

FIRST TASKS Coleman Engineering will be completing the plans and specifications that were started in the planning phase of the project. They will then put together a project bid packet and will oversee the bidding process. They also will be completing the environmental documents and obtaining the needed permits.

The first disbursement request (bill from ACWD to the State) is due in January for expenses accrued through 12/31/2023. Altec Engineering and ACWD GM Rae Bell (I) have a considerable amount of time to bill for work done after the planning budget was used up. Altec \$31,300 Rae Bell through Nov. of 2022 \$5,475 (haven't added up this year yet). The State worked with us to cover the gap between projects, and this is included in the RSIP budget.

There was a question at the November meeting about the \$20,000 budget line item for Administration. My answer was only partially correct. To clarify: that line-item will be used to cover all administrative costs related to the project. This includes disbursement requests (Accounts Receivable) bill payments (Accounts Payable), the preparation of quarterly reports, staff meetings and documentation, plus all other record keeping as required by the terms of the agreement. Any supplies, copies or postage related to these tasks can be billed to the project as well. As reported last month, most of the tasks listed above will be performed by the ACWD GM (me) unless something changes. ACWD should allow the bookkeeper (Edda) to bill hourly for any project related work (she is currently paid a flat monthly rate). This can then be billed to the project. This can be considered with her job description adoption hopefully next month.

After last month's meeting, I got clarification that other staff time, such as consultations with ACWD's water operators can also be billed to the administration line-item. Once construction begins, the water operator's time may be billed to either this line item or Construction Management, depending upon what they are consulted for. The budget line items are not tied to specific vendors, the billing is based on what was done.

2. Water Tank Repair Project:

In summary: There are three prongs to this project: 1. The warranty repair work, 2. The Technical Assistance Request already awarded to Coleman Engineering to oversee the repair work. For up to \$7,000 3. A Funding agreement approved in November for up to \$110,000 to cover the installation of cathodic protection that was not included in the original tank construction project. This agreement hasn't been signed yet, but it has been approved under a fast-track program for urgent needs. The resolution on this month's agenda and a budget are the two items still needed to execute the agreement.

Additionally, there was a previous TA request initiated immediately after the tank failure was discovered that was paid by the State. The California Rural Water Association (CRWA) was hired to determine the cause(s) of the failure. The final report was completed on December 22, 2022 but was inconclusive. After that it was decided by all parties to bring Coleman Engineering in to work out a solution. Coleman had just been vetted and hired by ACWD for the Ram Spring Project and had also recently been approved by the State as a TA contract recipient.

Status: An updated scope of work for the warranty repairs was drafted on 12/7/2023 and is circulating for comments from all involved parties: BRCO Constructors, Thompson Tank, ACWD Staff, and the State Division of Drinking water. On-the-ground work is still expected to start in late April of 2024. Once the scope of work is finalized a copy will be provided in the ACWD meeting documents.

Timeline Tank Failure discovered: 10/30/2021 Tank drained and inspected mid-November 2021. First TA request submitted to State Dec. 2021 and approved in Jan. of 2022.

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