

~ State Revolving Fund (SRF) Projects Update

Meeting Date: 8/13/2024 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

Primary objective: To reconfigure the Ram Spring Pumphouse and facilities to accommodate and protect the driven pipes that were installed in May of 2017 as part of the planning project.

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.

Progress since last board meeting:

- Status of Bridge Loan: We finally got the approval from the State on July 31st, all docs were signed on 8/7/2024 and insurance requirements met on 8/8/2024.
- The 2nd disbursement request was approved by the State on 7/22/2024 (this one got lost in cyber space, it was submitted on April 3rd).
- The 2nd Quarter 2024 Quarterly Progress Report was submitted to the State on 7/11/2024.
- The 3rd disbursement request was submitted on 7/11/2024 and was approved on 7/23/2024.
- There was an onsite meeting with Coleman Engineering Staff and ACWD Water Operator Edward Snyder on 8/6/2024. Coleman staff included a surveyor and an environmental specialist.
- As of this writing (8/8/2024) payment for request #2 and #3 has not arrived.

2. Water Tank Repair Project:

This project is to repair the water tank that was put in service in November of 2018 and that was still under warranty when it failed. This project has two main parts: 1. The warranty repair work, to be completed by the original contractor Thompson Tank (not funded by SRF) 2. The Technical Assistance Request was awarded to Coleman Engineering to oversee the repair work. (Funded by SRF)

Status since last meeting:

- The decision was finally made on July 23rd to fill the tank rather than waiting for the Cathodic Protection Equipment Installation due to too many unexpected delays. Filling started on July 24th with leaks showing up immediately along the bottom seam. After consulting with Thompson Tank and Coleman Engineering the decision was made to keep filling to check for more leaks and to see how bad it is. Some leaks slowed down with more water in the tank and some sped up. The upper part of the tank where the ladder bolts are leaks the worst. The decision was made on July 26th to keep the tank full to 23 feet to avoid the worst leaks. (Normally it is filled to 26 feet)
- On 8/6/2024 both BRCO contractors and ACWD attorney Marsh Burch were advised of the leaks.
- If the leaks don't worsen the plan is to keep it filled to 23 feet until fire danger subsides, then have Thompson Tank resume repair work.

Tank failure timeline Tank put in service Dec. 2018. 1-year warranty inspection done in Jan. 2020 found problem with rusting bolts in floor, bolts repaired in June of 2020. Tank started leaking and failure discovered: 10/30/2021 Tank drained and inspected mid-November 2021. First Technical Assistance (TA) request submitted to State Dec. 2021 and approved in Jan. of 2022 with RCAC as the TA provider. TA report provided in Dec of 2022 concluded electrolysis (dissimilar metals in contact) was the main cause of corrosion but was inconclusive as to cause of sealant failure. Warranty claim letter prepared by ACWD attorney Marsh Burch and submitted to BRCO contractors 3/17/2023. Second TA request approved May 13, 2023 with Coleman Engineering as the TA provider to oversee the repair work. Repair work scheduled for late April 2024 to avoid winter weather, started on 4/30 tank partially filled at end of July, leaks noted and report made to attorney and BRCO contractors, tank being kept partially full as long as leaks don't worsen until fire danger subsides.

3. Cathodic Protection Project (CP) This project is to add cathodic protection to the water tank that was not included in the original design (other than the coating which was supposed to provide protection). A grant for up to \$125,000 has been applied for under an “Urgent Needs” program also funded by the State Revolving Fund (SRF) and approval has been granted for the first \$110,000. ACWD is responsible for administering this grant but cannot bill the project for doing so.

Progress since last meeting.

- The plans were approved by the State Division of Drinking water on 7/10/2024.
- The installation has been put on hold until fire danger subsides, and the tank can be drained. Hopefully by then the plans and everything else will have cleared all hurdles.
- A revised schedule was submitted to the Urgent water needs program (funding source) with a Nov. 30, 2024 projected completion date and final payment request submitted by March 31, 2025.
- The first bridge loan draw request that was submitted in June finally went through at the end of July and the first bill was paid (see treasury report).
- On August 1st a continuity test was performed by the subcontractor. They found that there is no conductivity between panels. If there had been, it would have simplified the installation of the CP equipment.
- The Urgent Water Needs program extended the completion date to 8/31/2025 to allow for plenty of time.
- We were notified that the funding agreement should be fully executed soon. (for this type of project funds can be expended before the agreement is fully executed)

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