

~ State Revolving Fund (SRF) Projects Update

Meeting Date: 7/9/2024 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 are still waiting for the remaining State Depts. to sign off on approval of the loan.
- We still haven't gotten the 2nd disbursement payment.
- I should have the 3rd disbursement request submitted by the meeting date.

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 damaged electrical wire mentioned last month was repaired by Thompson Tank to the satisfaction of Coleman Engineering prior to June 12th.
- The tank reassembly, was completed on June 12, 2024 as predicted by Thompson Tank.
- On June 21, 2024 the independent party holiday test was completed and they found two spots on the floor that needed to be recoated.
- On Sunday June 30th Thompson Tank came back and recoated the two spots on the floor and did a holiday test. (An additional independent party holiday test will be done after the Cathodic Protection Equipment is installed).
- As of this writing (7/5/2024) ACWD is waiting for a date on the Cathodic Protection Equipment installation to help decide if we should fill the tank. It takes about a week-and-a-half to put the tank back in service, and if we can avoid doing that twice it will save a lot of time and money. We should know next week; the 4th of July holiday has slowed everything down more than usual.

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.

3. Cathodic Protection Project 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.

Progress since last meeting.

- The installation is more complicated than anybody seems to have realized and Thompson Tank bowed out of being hired to do it. Coleman Engineering is working on subcontracting out the work.
- We were informed by the Urgent Needs Funding Division that the Division of Drinking Water (DDW), specifically Head Honcho engineer Steve Watson, needs to sign off on the plans and specs. He was contacted on July 3rd and has said that he will look at them ASAP. We should have more information by the meeting date.
- There was quite a bit of back and forth with the state funding person re: details on how we hired Coleman Engineering and if ACWD is ok with having them hire subcontractors for the installation. I confirmed as ACWD’s project manager that this seems to be the most expedient way to complete the project. I sent them a copy of our procedure for hiring consultants which we used for Coleman Engineering (any directors remember that with the scoring system two summers ago?) The contract between ACWD and Coleman Engineering clearly states that they will oversee the work and hire subcontractors as needed. I am relying on our engineering firm to make sure that ACWD meets all requirements for public works jobs. I know that with the Tank Construction Project we hired a contractor who then hired subcontractors and there was no bidding requirement for the sub-contractors. I am assuming this is also the case with the Cathodic Protection Project.
- ACWD did submit a request for \$ from the bridge loan for this project in June, but nothing has come in because of the issues above. (It is good to have another “check” to make sure everything is being done correctly). It was RCAC the bridge loan administrators who circled back to the funding division and that is how we found out about the requirement to have DDW sign off on the plans and specs.

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