

Current Projects 1-1-19

Cities of Clearfield & Prescott Water System Upgrades

SIRWA received a funding package from Rural Development that has allowed us to replace the entire distribution systems including the water mains, hydrants, valves, etc., as well as constructing new water towers and upgrading the associated telemetry systems in both of these cities.

For the City of Prescott, a new, 50,000-gallon water tower has been constructed in the NW corner of the city. It will be painted and put into service in the spring of 2019. A new pumping station will be located just north of the railroad crossing. The pumping station is being built over the winter and will be operational in early 2019.

All of the main water lines, hydrants, valves, etc. are being replaced in the City of Prescott. This phase of construction is approximately 90% complete. With this project, every water service will have a meter pit and customers will no longer have a meter located in their home or business. All construction in the City of Prescott should be completed by July 1, 2019.

A new 200,000-gallon water tower has been built for the City of Clearfield. It is located by our existing pumping station in the NW corner of the City on land donated by Iowa Cage Free, LLLP.

All the main water lines, hydrants, valves, etc. are being replaced in the City of Clearfield. Approximately 75% of the piping construction has been completed. With this project, every water service will have a meter pit and customers will no longer have a meter in their home or business. All construction should be completed by July 1, 2019 in the City of Clearfield and surrounding rural areas.

Both Cities, as well as surrounding rural areas, should see benefits from being served from larger water towers. They will have more water pressure, as well as more storage capacity.

Because this project came in under budget, USDA-RD has given approval to SIRWA to use the remaining funds to upgrade some aging infrastructure in Adair County. We will be replacing several thousand feet of 2", 3" and 4" water main NE of Greenfield. This construction should start in the spring of 2019.

Completed Projects

Spaulding Pressure Zone and System Wide Updates

The SIRWA Board of Directors took action to accept the Rural Development funding package of \$10,070,000 to fund this project. The project consisted of a new pressure zone located in Union County, northwest of Creston. The new Spaulding pressure zone required construction of a new 250,000-gallon water tower, along with a pump station and several miles of distribution main. All water mains are now installed throughout the entire original project. The pumping station at the SIRWA office is now complete and the 250,000-gallon water tower is up and in use. This part of the project has taken the stress off of the three other pressure zones that currently have very high usage during peak periods.

Several other pressure zones throughout our distribution system have also gained in strength with this project. This was done by paralleling water mains and/or interconnecting the water mains in different pressure zones. Our policy is not to add any additional customer(s) that may cause pressure issues for existing customers. SIRWA currently has several areas where we have difficulty with even adding another household service because there would not be enough pressure. With these upgrades, we should have ample capacity throughout our distribution system for additional services.

Because the bids came in under the engineers estimate, SIRWA used the extra money to fund a project in Adair County we called 3C. This project is replacing some of the original Adair Project water lines north of Highway 92, just east of Greenfield. Eatherly Constructors has completed installation of the water mains and service lines. This project is complete.

Cities of Bridgewater and Blockton Water System Upgrades

Over the last several winters SIRWA has had numerous water leaks in the cities of Bridgewater and Blockton, as both of their water systems were installed in the 1940's. SIRWA received a funding package of \$2,822,000 from Rural Development that allowed us to replace the entire distribution system including the water mains, hydrants, valves, etc., as well as constructing a new water tower in both of these Cities. Upgrades in both Cities are now complete.

Fixed Based Meter Reading/Telemetry Upgrade Project

With this project, SIRWA installed an Automatic Meter Reading (AMR) system throughout our entire service area. All water meters were outfitted with a radio transmitter called an “End Point”. Each meter now sends its reading to a series of water towers where a “TGB” is installed. The TGB relays this information back to the SIRWA office. We can now read almost every meter, at least once per day.

We also upgraded our telemetry system to coincide with the fixed based meter reading system. The original telemetry system was installed in 1994 and no longer supported today’s technology. The telemetry system allows SIRWA personnel to monitor the water level in each of our forty water towers, remotely control pump station settings, monitor pressures and flows throughout our distribution system. It also provides the ability to access information that is essential in day-to-day operations of the water system.

This project is now complete.

Corning/Creston Interconnect:

Transmission Line between Water Sources of Corning Municipal Utilities and Creston City Water Works

With this interconnect in place, we can now flow water from an alternate source if we have a problem with one system. This will allow us to keep our customers in water service in the event of major leaks, etc. This project has also help strengthen the pressure in our distribution system for our Adams County pressure zone. This project is now complete.

Creston Water Treatment Plant Upgrade

The Creston Water Treatment Plant provides approximately 80% of the water SIRWA sells to its customers. The Creston Water Works (CWW) and SIRWA partnered to upgrade the treatment system from sand filters to membranes and have upgraded the treatment plant capacity from 6 million gallons per day (MGD) to a maximum of 9.2 MGD. Since SIRWA will have roughly 79% of the capacity in the new treatment plant, we provided the funding for 79% of the treatment upgrade costs and 100% of the capacity upgrade costs. The project is now complete.

Southwest Ringgold County – Sanitary Sewer System for the Communities of Redding, Delphos, Benton & Maloy

SIRWA installed a low-pressure sewer system in southwest Ringgold County which consists of individual grinder pumps at each home. The individual grinder pumps then move the waste to a centrally located lagoon system that was also part of the project. Any residents along the route of the forced sewer main were also given the opportunity to connect to the sewer system. The project was bid in early 2012. All construction has been completed and the residents of Redding, Delphos, Benton and Maloy are now connected to sewer service provided by SIRWA.

City of Ellston Sanitary Sewer System

SIRWA has installed a low-pressure sewer system which consists of individual grinder pumps at each residence. These pumps force the waste thru small diameter PVC pipes to the existing wastewater lagoon system which is owned and operated by the Sun Valley Lake Sanitary District. Construction has been completed with 32 wastewater services installed.