Water District Project List

January 2021

Central Utah Water Conservancy District

Very quickly, our 5 year Capital Replacement Plan (CRP) includes over $143M. My guys aren't available to get our Capital Improvement Plan (CIP) right now.

Jordan Valley Water Conservancy District

Here is a list of several major projects which JVWCD will be working on during the next five years prepared by Alan Packard, Assistant General Manager.

1. ***Jordan Valley Water Treatment Plant expansion***: This project will increase the JVWTP plant capacity from the current 180 million gallons per day (MGD) to 220 MGD. The total estimated cost is $90 million. Work on pilot testing for new filter configuration and work to update the concept level design will begin in 2021. Construction is scheduled to begin in early 2024, and will be complete in 2025.
2. ***System-wide repair & replacement projects***: During the next five fiscal years, JVWCD is budgeted to spend $61.5 million on system-wide repair and replacement projects (e.g. pipelines, treatment process equipment, reservoirs, pump stations, wells, etc.).
3. ***Equip new groundwater wells***: JVWCD will install pumping equipment and related pump station buildings and site improvements for five new groundwater wells to increase peak day capacity. The total estimated cost is $9 million and the work is scheduled to be complete by 2025.
4. ***New 8MG storage reservoir at 5200 West 6200 South***: New storage capacity is needed to support growing demands in this region of JVWCD service area. The total estimated cost is $10.3 million. Design work will begin in late 2021 and construction will be complete by spring 2024.
5. ***New booster pump station at 10200 South 3600 West***: New booster pump station capacity is needed to support growing demands in this region of the JVWCD service area. Design work is underway and the new pump station is scheduled to be complete by spring 2023. The total estimated cost is $7.8 million.

Washington County Water Conservancy District

Here is a list and brief overview of WCWCD's current projects:

- *Ash Creek Pipeline and Toquer Reservoir* – An approximately 19-mile pipeline that will divert water lost to seepage in Ask Creek to the future 3,600-acre-foot Toquer Reservoir. The $40 million project is expected to commence construction in late 2021.

- *Kayenta Pump Station* – The $215,000 pump station will allow the district to tap into an existing culinary pipeline owned by St. George City to provide a second water source for Kayenta residents in early 2021.

- *Lake Powell Pipeline* – An approximately 140-mile pipeline that will more than double the district's current water supply and provide a second water source (the Colorado River via Lake Powell) for our growing communities. The Supplemental Draft Environmental Impact Statement is anticipated in 2021, which will address comments received on the June 2020 draft. Construction is expected to commence in the late 2020s when all the necessary permits are obtained.

- *Quail Creek Water Treatment Plant* – Plans to expand the plant to its full 80 million gallons per day (MGD) capacity and add ozone will kick off in 2021. The plant is currently capable of treating 60 MGD, the additional capacity is needed to keep pace with increasing system demands. Ozone will improve the taste and odor of our treated water and has a greater disinfection effectiveness against bacteria and viruses compared to chlorine. The estimated cost for this project is $60 million.

- *Sand Hollow Ground Water Treatment Plant* – The new $10 million plant is scheduled to open this spring, treating up to 3 MGD daily. The plant has a 6 MGD capacity allowing for future expansion. Water from the plant will be delivered to the growing southern regions of St. George and Washington cities via the recently completed Sand Hollow Regional Pipeline.

- *Well Development* – The district has almost $20 million in identified well development projects, mostly in the Sand Hollow area. When completed, the new wells will add approximately 5,000 acre feet of water to the district's available water supply.

Weber Basin Water Conservancy District

Below is a list of major projects that Weber Basin Water Conservancy District has planned:

1. *Snyderville Basin Water supply project* - This project will bring additional water into the Snyderville basin to meet the current and future demands and is expected to be needed within the next 7-10 years. It includes approximately 10 miles of 30-inch pipeline as well as two large pump stations. Cost varies between $70 -$100 MM, depending on which alternative is built.

2. *Ogden Valley Water Supply and Infrastructure Master Plan Study* – The Ogden Valley is growing steadily and there are dozens of small water systems that are struggling with water supply and/or infrastructure issues. This study would estimate the future need for water and alternatives for where that water would come from. It would look at the possibility of having more of a central water supply and infrastructure that could serve multiple water systems. This study will start this year and be completed by 2022.

3. *North Ogden groundwater development project* – The District has additional groundwater rights in the North Ogden area that they intend to drill and put in production to meet the demands in this area. Two additional wells are planned which would cost approximately $2 MM per well, plus the cost of needed pipelines.

4. *Secondary meter implementation project* – The District will continue with its efforts to install meters on all existing and new secondary irrigation connections in the District's retail areas, in which approximately 9,000 of the 17,000 have been installed. The remainder of the meter installations would cost about $12 MM over the next five or so years.

5. *Aqueduct Resiliency, reliability and enlargement project* – A two-mile reach of the Davis Aqueduct crosses through an area of historic faults, landslides and debris flows. The District is in the final design efforts to install a 72-inch parallel aqueduct to add capacity and to serve as the needed redundancy to the existing aqueduct. The cost of this project is estimated at $42 MM and would take place in 2022-23.

6. *Several infrastructure replacement projects throughout District* – Due to the aging infrastructure of the District, it is planning to spend approximately $15MM per year to replace this infrastructure as needed. Additional capacity needed for future demands will also be considered with the replacement projects.