



City of Watertown Water Systems
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September 21, 2022

To: Chairman Wetzel and members of the Public Works Commission
From: Peter Hartz – Water Systems Manager

Re: Water Systems agenda items for September 27, 2022

Water Systems:

1. Review and update – 2023 annual capital improvement project supplies for underground infrastructure replacement have been ordered from Core – Main.
 - Note lead time for some items are more than 35 weeks, invoicing to follow delivery of goods likely in 2023, funds are in water budget account #03-99-99-99.
2. Review and update – Private Lead Service line replacement program changes for 2023 and beyond.
 - DNR will be no longer be supporting the private lead service line replacement program in the same manner as the last 2 years. Starting in 2024 DNR will be utilizing the Bipartisan Infrastructure Law (BIL) funding for the future of the LSL funding program, which will be creating several changes that they are still finalizing. The next cycle for the LSL funding program (which will be including private and public side LSL replacements) will be formally included in the Safe Drinking Water Loan Program (SDWLP). DNR is intending to post an amendment later this year that will provide more information about how they will be determining Principal Forgiveness for 2024 as they will not be able to offer the 100% principal forgiveness that was available to us through WIFTA. The replacement program options available for 2023 hinder on Watertown finding financial sources outside of the loan program, PCS allows rate payer funds to be used however that approval can take up to 1-year to complete, and only allows for funding up to 50% of the cost. For Watertown to replace private side services in 2023 we need to find money to seed the loan program as we will not get a grant or principal forgiveness loan so any new loan will now have a debt repayment requirement as we would need to enforce our mandatory replacement ordinance with home-owner grants for up to \$5,000 or 50% of the cost. The good news is that we are replacing the private side lead services in the 2023 CIP project area already as part of our 2022 PLSL program. More to come on this as we gather more information.
3. Review and take action - Submittal of documents for 2024 Private Lead Service Line replacement project thru the Safe Drinking Water Loan Program - Notice of Intent to Apply (ITA) & Priority Evaluation and Ranking Form (PERF); both due October 21, 2022.
 - Notice of Intent to Apply (ITA), this begins the process for seeking funding of the program. The completed form is included in this summary.

- Priority Evaluation and Ranking Form (PERF). This form is used for the Wisconsin Department of Natural Resources (WDNR) to prioritize applications for the Private Lead Service Line Replacement Program. The completed form is included with this summary.
 - Safe Drinking Water Loan Program (SDWLP) Private Lead Service Line (LSL) Replacement Program Application. This application submittal is needed to secure funding for our anticipated Private LSL replacement program to pair with our 2024 annual watermain replacements for full lead service line replacements and additional private lead service line replacements of an undetermined amount pending award of funds from the State of Wisconsin. The draft application cannot be started until DNR receives and reviews the ITA / PERF and is not due until June 30, 2023.
4. Review and update – Purchase of new emergency generator & automatic transfer switch for the Spaulding Lift Station from United Electric, Inc. for \$32,025.
 - Included in the 2022 budget were funds for a new emergency stand-by generator and automatic transfer switch for the Spaulding Lift Station. This generator and automatic transfer switch will allow for continuous uninterrupted power for the lift station in the event of power loss from We Energies. Having a generator at this lift station was identified as the next outlying station based on service area size and frequency of outages along with basement backups. Staff would also like to have the contractor install the underground conduits and do the concrete work needed for to place the generator. Funds were included in the 2022 wastewater budget account #02-97-31-12.
 5. Review and update – Purchase of new lift station control panels from Energenecs Inc., for \$39,900 (Lift Stations for controls; N. Water St., 5th Ward, Fox Creek, Country Club Lane, Hintze)
 - As part of our collection system upgrades, we identified 5 lift stations in need of new controls for operations of the pumps. These new controls will allow additional data gathering for use in planning our emergency response to problems or power outages in addition to more reliable operations of the remote lift stations. These funds were included in the wastewater budget account #02-97-30-12.
 6. Review and update – Purchase of new liners for the sludge conveyors from Drydon Equipment Inc., for \$26,960.
 - The sludge conveyors are used to transfer the dewatered anaerobic digested sludge to the outdoor storage area. These conveyors are original and were put into service in 2003 and have operated well during that time, however earlier this year pieces of the liner were ejected during dewatering. We pulled the covers off and inspected the entire unit and found that several parts of the liner had worn out and started to break up. This liner sits between the augers and the outer body of the conveyor, without the liner the auger will eventually wear through the stainless-steel body. While not a planned expense, funds are available in the wastewater 2022 budget in account #02-98-00-00.

7. Review and update – Purchase of new rotary screw air compressor and controller from Kaeser Compressors, Inc. for \$10,761.
 - The wastewater process operations include 2 screw air compressors along with 2 air dryer systems that are used to supply air to the 5 primary clarifier sludge pumps. These compressors are original and were put into service in 2003 and have operated well during that time, however during a shut down for routine maintenance we came across significant issues with one of the air compressors that we were not able to fix. We found out that our compressor is obsolete, and the parts have been discontinued. Currently there is no issue with the compressor, oil/air separator, or the inter cooler, rather the controller and the screw compressor. While not a planned expense sufficient funds are available in the 2022 wastewater budget in account #02-83-10-40.
8. Review take action - Approve planned service agreement from Johnson Controls for the water and wastewater HVAC computerized control system.
 - Johnson Controls has administered and maintained equipment and software support for the entire wastewater facility complex since conception in 2002 with three-year contracts for services. The next three-year contract is up for renewal starting November 1, 2022, to include payments in year one of \$15,700, year two of \$16,175, and year three of \$16,675. This is a support contract that was included with the proposed 2022 budget and the next 2 budgets. We opt to pay in monthly installments so the first payment will be for November 2022 for \$1,308.33. I recommend approval of the three-year contract as presented.

Sincerely,

Peter Hartz
Water Systems Manger