



MEMORANDUM

TO: Chair Blandina, Commissioners Mummolo, Curtis, Lydecker, Neafsey, Halloran and Wheeler

FROM: Chris A. Theodos, PE, PP, CME, CPWM, CFM
Executive Director

DATE: March 21, 2025

SUBJECT: Monthly Report – March 2025

1. Resolution No. 31-25 - A Resolution for the Award of Bid for Bid for Pipe & Appurtenance Materials- On Agenda – Resolution No. 31-25

This is an annual bid for water and sewer main and lateral parts, fire hydrants & hydrant parts and meter pits used by Field Operations for the fiscal year 2025/2026. The bid was advertised on February 14, 2025. Bids were received and opened on March 6, 2025. Twelve items were included in the bid, we received three bids and two vendors were the lowest bidders.

2. Resolution No. 32-25 - A Resolution Authorizing the Installation of New Fencing at the Riverside Drive Wastewater Pump Station by Carl's Fencing, Decking and Home Improvements for \$37,746.06; Brick Utilities' Capital Project No. 01-601-001X - On Agenda – Resolution No. 32-25

The replacement of the 40-year-old fence at the Riverside Drive Wastewater Pump Station is warranted at this time. The low quote was received from Carl's Fencing, Decking and Home Improvements for \$37,746.06. \$20,000 has been budgeted in both the Fiscal Year 2024/2025 Capital Budget and the Fiscal Year 2025/2026 Capital Budget. Quotes were also received from National Fence System, Inc. for \$41,000.00 and from Conklin Fence for \$41,120.00.

This purchase was discussed at the March 13, 2025 Construction and Engineering Committee Meeting.

3. Resolution No. 33-25 - A Resolution Designating the Signer of Application Forms, Permits, Plans and Any Other Related Documents for the Brick Township Municipal Utilities Authority - On Agenda – Resolution No. 33-25

Stephen Specht is the current designated signer of Application Forms, Permits, Plans and Any Other Related Documents for Brick Utilities and is retiring as of April 30, 2025. This resolution will designate Chris A. Theodos, Executive Director and/or Alina Ferreira, Supervisor – Engineering Division as the new signers.

This Resolution was discussed at the March 13, 2025 Construction and Engineering Committee Meeting.

4. Resolution No. 34-25 - A Resolution Authorizing the Purchase of Variable Frequency and 200 HP motors Drives from XXX in the Amount of TBD from Capital Account 01-717-003X - On Agenda – Resolution No. 34-25

Our engineer has determined that the GAC pump capacity shortfall is the result of undersized motors powering the pumps. The resolution of this critical issue is the replacement of the pump motors with larger, 200 HP motors. This will also require the install of larger variable frequency drives to accommodate the larger motors. We are working with our engineer to expedite the receipt of all necessary components to give us the best opportunity to implement the modifications prior to July 4th weekend which is historically our highest flow period and the most likely time when the pumping deficit could impede the water treatment plant.

5. Resolution No. 35-25 - A Resolution Authorizing the purchase of Eight (8) AUMA Filter Backwash Air Valve Actuators from Vendor Raritan - \$44,447.04 - On Agenda – Resolution No. 35-25

Originally installed in 2005, the actuators have operated for 20 years and have reached the end of their life cycle. The vendor (Raritan Group) is part of the North Jersey Wastewater Cooperative Pricing System (Contract No. B442-2).

6. Unanticipated/Emergency Capital Expenditures – On Agenda - Item No. 10 – NONE

7. Contract Close-Outs – On Agenda - Item No. 11- NONE

8. Authorization to Expend Approved Funds – On Agenda - Item No. 12

a. Authorization to Purchase Main Control Building Rapid Mixers Components– Vendor SPX Flow- Cost \$19,413.14 – Water Quality Report

We will be replacing components of the rapid mixers including the shaft and impellers to maintain reliable operation.

9. Authorization to Send out Bids, RFQ's & RFP's – On Agenda - Item No. 13 – NONE

a. Authorization to Proceed with the Bidding for the Water Treatment Plant/Distribution System Valve Replacement Project; Brick Utilities' Capital Project No. 01-725-015X – Engineering/Operations Report

The replacement of 4 valves at the water treatment plant that have exceeded their useful life is warranted at this time. The engineering estimate for the valve replacement is \$149,852.70. \$150,000 has been budgeted in both the Fiscal Year 2024/2025 Capital Budget and the Fiscal Year 2025/2026 Capital Budget.

This authorization to bid was discussed at the March 13, 2025 Construction and Engineering Committee Meeting.

10. Personnel – On Agenda - Item No. 14

Promotions

John Zurawski – Laborer, Collections Division, promotion to Senior Laborer, Collections Division, \$2.50/hour increase, effective March 31, 2025.

Anthony Goncalves – Laborer, Collections Division, promotion to Senior Laborer, Collections Division, \$2.50/hour increase, effective March 31, 2025.

Peter Chrashewsky – Senior Crew Chief, Fleet Division, promotion to Foreman, Fleet Division, \$2.50/hour increase, effective March 31, 2025.

Upgrade

Steve Price – Foreman, Distribution Division, \$2.00/hour increase, effective March 31, 2025.

Upgrade in Accordance with EDC Guidelines

Nathan Raimonde – Senior Laborer, Reservoir Division, a one-time \$250.00 bonus for obtaining his New Jersey Fertilizer Application License, effective March 31, 2025.

11. Operations & Maintenance Summary – Water Quality Report

Salt encroachment remains a factor. With little rainfall in January, we continued to battle the salt line through the month of February. There were instances within this reporting period where the combination of encroachment and hedging groundwater sources for the fall, found increased chlorides in the distribution system. The chloride levels were higher than normal but less than half of the secondary MCL. Operations staff continue to do a great job of managing surface water use for reservoir refill and for treatment, and managing groundwater use to hedge sufficient volume for the reservoir project later in the year.

Demand in February 2025 remained consistent with February 2024, at 162.6 MG. POE pressure in February averaged 71.4 psi. Plant influent totaled 186.2 MG and the influent blends consisted of 49% river, 24% reservoir, 18% PRM wells, and 9% from Cohansey wells 13 and 14. February rainfall totaled 2.8”, lower than the annual average. A statewide drought warning remains in effect. Passing river flow averaged 47 MGD this month with a peak flow of 113 MGD on February 17th after receiving almost 1” of rain during the prior two days. The average daily withdrawal from the river was 5.9 MG with 70.1 MG diverted to the reservoir. There were 7 days in February where conductivity ran above 750 µS at RSP3. There were 6 days where the river intake was unable to be used due to salt encroachment. WTP influent source volumes for February include 94.2 MG from the river, 43.6 MG from the reservoir, 32.2 MG from the PRM wells, and 17.1 MG from wells 13 and 14. The PRM balance at the end of February 2025 was 1,299.6 MG.

12. GAC Improvements at the William Miller Water Treatment Plant – Engineering/Operations Report

The air/vacuum valves were installed the week of March 10, 2025 by Brick Utilities.

13. Sanitary Sewer Manhole Replacement on Princeton Avenue – Phase II – Engineering/Operations Report

The manhole installation commenced on March 10, 2025 with a complete road closure/detour.

CAT/kld