



MEMORANDUM

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

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

DATE: July 25, 2025

SUBJECT: Monthly Report – July 2025

-
- 1. Resolution No. 56-25 - A Resolution for Approving and Authorizing the Award of a Contract to Dee-En Electrical Contracting, Inc. in the amount of \$1,554,000.00 for the Emergency Generator Replacement, Brick Utilities' Contract No. 818001X and New Jersey Infrastructure Bank ("NJIB") Project No. S340448-15 - On Agenda – Resolution No. 56-25**

It is recommended that the contract be awarded to Dee-En Electrical Contracting contingent upon receipt of Authorization to Award from NJIB. This was discussed at the July 16, 2025 Construction and Engineering Committee meeting.

- 2. Resolution No. 57-25 - A Resolution Authorizing the Purchase and Installation of a Replacement Pump for Raw Water Pump 5 From Municipal Maintenance in the Amount of \$72,580 from Capital Account 01-726-005X - On Agenda – Resolution No. 57-25**

We are seeking to replace raw water pump #5 which was installed in the 1980s. This pump is used as both a backup pump to draw smaller volumes from the river when flows are low, or when salt encroachment is an issue. Parts may no longer be sourced for the existing Allis-Chalmers pump, and we are replacing the pump with like kind. The work has been quoted by Municipal Maintenance Company and will be performed under the North Jersey Wastewater Cooperative Pricing System (Contract No. B442-2).

- 3. Resolution No. 58-25 - A Resolution Authorizing the Purchase of Activated Carbon Maintenance Services from Vendor Calgon Carbon in a Not to Exceed Amount of \$2,006,400 - On Agenda – Resolution No. 58-25**

We received a quote from Calgon Carbon for the Activated Carbon Maintenance services. The cost was \$334,400/4 vessels or \$2.09/lb. This price represented a significant reduction from the prices we received last year. We plan for the maintenance services on all of our vessels (24 total) over the next 12 months. If all 24 vessels are maintained, the total cost will not exceed \$2,006,400

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

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

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

a. Authorization to Purchase a HC20C4864XB4 Air Conditioning Unit for VFD Cabinet for Well 16 from Miller Energy Inc. for \$10,748.29 to Replace Existing Unit; Brick Utilities Capital Project No. 718015 – Engineering Report

The air conditioner in Well 16 VFD cabinet is in need of replacement. Miller Energy provided a quote for a custom unit in the amount of \$10,748.29. It is recommended that funds be expanded to make this purchase. This was discussed at the July 16, 2025 Construction and Engineering Committee meeting.

b. Revision to Authorization to Purchase a new Chlorine Room Hoist from Vendor Maximum Material Handling – Water Quality Report

Due to recent tariffs, the vendor has updated their quote from \$16,050 to \$16,540. The revised quote is still significantly lower than the quotes from other vendors. We are seeking to revise the total purchase cost from \$16,050 to \$15,040 as the vendor has agreed to take the old unreliable hoist as a trade in with a credit of \$1500.

7. Authorization to Send out Bids, RFQ's & RFP's – On Agenda - Item No. 13

a. Authorization to Request Proposals from Consulting Firms to update the Authority's Water Supply Master Plan Dated February 2020

The Brick Utilities Water Supply Master Plan was substantively prepared almost 10 years ago and has been an incredibly valuable roadmap for how to adapt Authority operations to changing conditions and sea level rise. The most important aspect of the plan evaluated and modeled the impact of sea level rise on the resiliency of our raw water sources. We are seeing an acceleration of that impact which highlights the need to update the plan in short order as additional mitigation measures may be needed to contend with this issue over the near term.

8. Personnel – On Agenda - Item No. 14

Promotions

James Bayard – Senior Maintenance Mechanic, Fleet Division, promotion to Crew Chief, Fleet Division, \$2.50/hour increase, effective July 28, 2025.

Brad Hibberd – Pipefitter, Distribution Division, promotion to Senior Pipefitter, Distribution Division, \$2.50/hour increase, effective July 28, 2025.

Jake Farrell – Laborer, Distribution Division, promotion to Senior Laborer, Distribution Division, \$2.50/hour increase, effective July 28, 2025.

Upgrades

Steve Czaplinski – Chief Operator, Water Quality Department, \$2.00/hour increase, effective July 28, 2025.

Noah Skyta – Senior Water Quality Technician, Water Quality Department, \$2.00/hour increase, effective July 28, 2025.

Thomas Sedlack – Project Manager II, Engineering Division, \$2.00/hour increase, effective July 28, 2025.

Resignation

Brianna Severino – Customer Service Clerk, Customer Service Division, resignation effective July 7, 2025.

Upgrade in Accordance with EDC Guidelines

Anthony Clavin – Pipefitter, Distribution Division, a \$2.50/hour increase for obtaining his NJDEP W1 Operator License, effective July 28, 2025.

Other Business

a. Stavola Use Variance Application Meeting

Executive Director Theodos advised the committee that the Stavola use variance application for asphalt plant expansion scheduled for the August 2025 Brick Township Zoning Board meeting, has been postponed until the end of the year; no date has been set.

9. Operations & Maintenance Summary – Water Quality Report

Operations continue to manage influent blends and the high demand season while continuing to develop strategies to accommodate the reservoir project. Precipitation was scant in June, and the river continues to flow below normal for this time of year. On June 11th, 2025, the drought warning was lifted as rainfall patterns improved in recent months. All drought regions returned to normal conditions with the exception of the Coastal South region, which was moved to drought watch status as conditions improved slower in that region. The drought period, dating back to last summer, included the driest fall on record for New Jersey and was marked by the third driest September on record (September 2025), the driest month on record (October 2024) and the third driest January on record (January 2025).

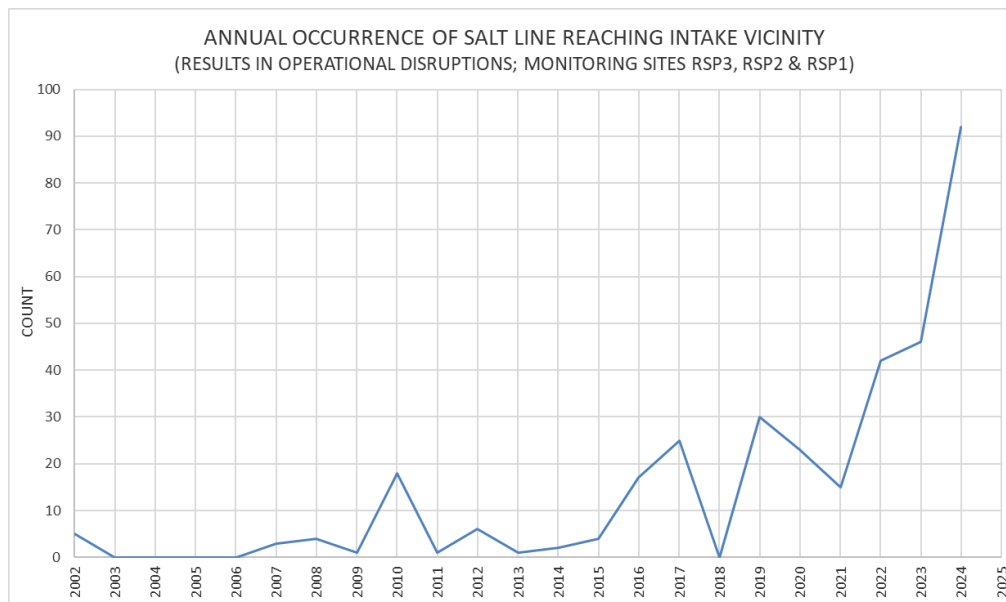
With no significant rainfall, demand in June 2025 still decreased 14% from a year ago, 334.4 to 289.1 MG. The pressure setpoint at the point of entry to the distribution system averaged 71.8 psi with no significant disruptions.

Plant influent totaled 306.1 MG in June. Blends consisted of 33% river, 33% reservoir, 28% PRM wells, and 6% from Cohansey wells 13 and 14. We received 1.3” of precipitation in June. The six-month total for 2025 is now 18.0”. Passing river flow averaged 34 MGD this month with a peak flow of 76 MGD on June 1st after receiving 1.2” of rain over the previous four days. The average daily withdrawal from the river was 3.3 MG with no water diverted to the reservoir as we started the process of carefully lowering the reservoir pool level through peak season to prepare for the construction project scheduled to begin late summer/early fall. There were six days towards the end of the month in June where conductivity ran above 750 µS at RSP3. River use was impacted during this period and there was only one day where no river was treated. WTP influent source volumes for June include 98.4 MG from the river, 104.6 MG from the reservoir, 85.3 MG from the PRM wells, and 17.8 MG from wells 13 and 14. Our PRM balance at the end of June 2025 was 1068.8 MG.

10. Metedeconk River Intake Salt Front Encroachment – Water Quality Report

The Brick Utilities Water Supply Master Plan included statistical projections of how increased sea level rise would affect the Metedeconk River intake. Specifically, it evaluated different sea-level rise scenarios and how those scenarios would result in “lost days” of intake usage due to salt encroachment. The plan’s technical work was substantially completed in 2017-2018, our salt line observations and monitoring data indicate that we may be on track towards a more severe scenario, one that would disrupt our ability to operate sooner than we expected. The pattern we are seeing has been the subject of considerable discussion within the Water Quality Department and we have determined that it requires additional study so that the Authority can adequately anticipate and prepared for disruptive conditions.

The following graph shows annual instances dating back to 2002 where the saltine was located close enough to our river intake to result in us modifying or discontinuing the use of the river. Starting in 2016-2017 through 2024 we are seeing a significant and troubling accelerating trend year over year.



11. Distribution and Collections Divisions Reassignment – *Water Quality Report*

The Water Quality Department continues to provide temporary management of the Collections and Distribution Divisions through July 31, 2025, while the Authority seeks to hire a new Director of Operations to assume permanent management. As discussed last month the Department has made significant strides in improving the resiliency and operation of these functions despite the temporary nature of the assignment. We have filled one of several longstanding vacancies in the Distribution Department and entered into an agreement for emergency back up contractor services. John Rouse, WTP O&M Supervisor has been temporarily managing the Collection Mechanics and is working to evaluate work procedures and identify way to improve our maintenance practices to enhance efficiency and effectiveness.

12. NJDEP Lead Service Line Report Submissions – *Compliance & Technology Report*

In accordance with NJDEP and EPA lead service line requirements, the Authority is required to annually submit to NJDEP lead service line reports. These reports include the Inventory Report, Identification and Replacement Plan, Progress Report, and Notification and Compliance Certification. Beginning this year, the NJDEP has introduced a new electronic reporting platform, EN Suite, for submission of these reports.

The Authority is positioned to ensure compliance with regulatory requirements and to remain on schedule for the upcoming August submission deadline.

13. Transition to T-Mobile Cellular Service – *Compliance & Technology Report*

The transition to T-Mobile mobile service was moved from Verizon to T-Mobile on June 28th. T-Mobile android phones and tablets were provided to ERS staff on the 28th and to all other staff beginning on June 30th. Prior to providing devices, The Authority configured the Samsung Knox mobile device management (MDM) account and created department specific profiles. Verizon phones and tablets were turned into IT for surplus sale.

CAT/kld