



MEMORANDUM

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

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

DATE: August 22, 2025

SUBJECT: Monthly Report – August 2025

1. Resolution No. 59-25 - A Resolution Authorizing the Purchase of a Verkada Camera System in the Amount of \$75,713.00 from Data Center Warehouse (DCW) Through Omnia Partners Contract #R200803; Capital Project No. 01-921-002X - On Agenda – Resolution No. 59-25

As part of the Authority's ongoing efforts to enhance security and modernize infrastructure, a full upgrade of the existing camera systems to a unified, cloud-based solution from Verkada is recommended. This upgrade will support future expansion, increase video storage capacity, improve surveillance efficiency, enhance monitoring capabilities, and reduce long-term operational costs. The current system relies on two separate on-site network video recording (NVR) platforms: Expertech (covering the main campus) and ExacqVision (covering the Reservoir and Customer Accounts). The ExacqVision system provides only 15 days of footage, which falls short of the 30-day minimum storage requirement identified by the Director of Finance. In addition to limited storage capacity, both systems face expansion constraints and incur high recurring operating costs associated with server and camera replacements. Three upgrade options were evaluated: 1) replacing both servers with a single upgraded server, 2) a partial upgrade to Verkada, and 3) a full upgrade to the Verkada system. Among these, the full Verkada upgrade emerged as the most cost-effective solution over a 10-year horizon. This option eliminates the need for physical servers, reduces hardware maintenance costs, and includes a 10-year camera warranty—resulting in estimated savings of over \$47,000 compared to continued use of on-site NVR systems with a payback within five years. Verkada also offers unlimited cloud-based storage, remote 24/7 access from any device, AI-powered analytics for faster threat detection and video review, and enhanced cybersecurity protections. The system has been evaluated by Authority IT staff, successfully tested through an on-site trial, and observed during a site visit to the Manasquan River Regional Sewage Authority, where staff expressed strong satisfaction and endorsed the technology.

Data Center Warehouse (DCW) provided the lowest price quote of \$75,713.00 for the Verkada Camera System which includes forty cameras with 5 year licenses and all associated mounting equipment. Two additional higher quotes were also obtained through New Jersey State Contracts.

2. Resolution No. 60-25 - A Resolution Awarding a Contract to Robert V. Galante, Director of Operations for a 4 - Year Term Commencing September 15, 2025 - On Agenda – Resolution No. 60-25

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

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

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

- a. Authorization to Replace Two Gate Valves at Point Pleasant Beach Interconnect by the Meter Chamber. Quote from D'Erasmus Utility for \$29,929.92; Brick Utilities Capital Project No. 726006X

Two gate valves are in need of replacement: one prior to our meter chamber on interconnect, and the second is a bypass valve to bypass the meter chamber. Quotes were requested and received from four contractors. Lowest quote is for D'Erasmus Utility in the amount of \$29,929.92. It is recommended that funds be expended to make this purchase. This was discussed at the August 14, 2025 Construction and Engineering Committee meeting.

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

7. Personnel – On Agenda - Item No. 14

Replacement Hire

Joanna Barton – Distribution Water Quality Technician, Water Quality Division, \$30.00/hour, start date on or about September 15, 2025.

Promotions

Hudson Hendrixson – Serviceman, Meter Division, promotion to Senior Serviceman, Meter Division, \$2.50/hour increase, effective September 1, 2025.

Paul Spadevecchia – Sr. Maintenance Man, Buildings Division, promotion to Crew Chief, Buildings Division, \$2.50/hour, effective September 1, 2025.

Anna Claudio – Laboratory Technician, Laboratory Division, promotion to Senior Laboratory Technician, Laboratory Division, \$2.50/house increase, effective September 1, 2025.

Gerald Wilders – Watershed Foreman, Watershed Division, promotion to Senior Watershed Foreman, Watershed Division, \$2.50/house increase, effective September 1, 2025.

Upgrades

Tyler Svenson – IT Supervisor, IT Division, \$2.00/hour increase, effective September 1, 2025.

Matthew McCracken – Sr. Health & Safety Office, Compliance Division, \$2.00/hour increase, effective September 1, 2025.

Termination

Ethan Alvarado – Laborer, Distribution Division, terminated effective July 31, 2025.

Upgrade in Accordance with EDC Guidelines

Michael DeJianne – Maintenance Man, Buildings Division, a \$2.50/hour increase for Electrical Contractors, Class A Journeyman Electrician certification, effective September 1, 2025.

Administration

a. Horizon BCBS Braven Medicare Group w/ Rx

Implementation of the Horizon BC/BS Braven Medicare Group w/Rx plan was approved for use by Medicare eligible retirees.

Other Business

a. 25 Year Luncheon

The Authority's 25-year luncheon is tentatively scheduled for October 17, 2025, at the Mantoloking Ale House.

b. BTMUA Day

BTMUA Day is tentatively scheduled for October 10, 2025.

c. Reservoir Improvements Groundbreaking

We will be having a groundbreaking to commemorate the reservoir improvement project that will be scheduled for the beginning of September.

8. Operations & Maintenance Summary – Water Quality Report

Managing influent blends while anticipating our reservoir construction project to begin on September 1st, finds us injecting another variable into our decision-making process. The high demand season continues to see salt encroachment issues, though we have so far been spared any drought concerns. Precipitation was scant in June, though July yielded significantly more precipitation than the average for the month (+ 43%). The 24/25 drought period, dating back to last summer, included the driest fall on record for New Jersey. It 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 significant rainfall, demand in July 2025 decreased 9% from a year ago, 334.0 to 304.4 MG. The pressure setpoint at the point of entry to the distribution system averaged 72 psi with no significant disruptions.

Plant influent totaled 325.6 MG in July. The influent blends included 43% river, 18% reservoir, 33% PRM wells, and 6% from Cohansey wells 13 and 14. We received 6.4" of precipitation in July and the seven-month total for 2025 is now 24.4". Passing river flow averaged 105 MGD this month with a peak flow of 789 MGD on July 2nd after receiving 2.2" of rain over the previous two days. The average daily withdrawal from the river was 4.8 MG with no water diverted to the reservoir as we continue the process of carefully lowering the reservoir pool level through peak season to prepare for the construction project scheduled to begin in September. There was one day towards the end of the month in July where conductivity ran above 750 µS at RSP3. However, significant river flow kept encroachment beyond RSP10. WTP influent source volumes for July included 141.2 MG from the river, 59.5 MG from the reservoir, 106.3 MG from the PRM wells, and 18.6 MG from wells 13 and 14. Our PRM balance at the end of July 2025 was 962.5 MG.

9. NJDEP Lead Service Line Report Submissions – Compliance & Technology Report

On July 28, 2025, the lead service line reports were submitted to NJDEP via EN Suite. Reports were due on August 11th. Confirmation was received from NJDEP that the reports were accepted and approved.

10. TCPA Inspection – Compliance & Technology Report

On July 23 and July 24, 2025, Dave Dovedytis of NJDEP conducted our annual TCPA inspection. The inspection included a comprehensive review of all TCPA program documents, including plans, procedures, drawings, and training records. Mr. Dovedytis complimented us on maintaining a well-managed program; however he identified one potential finding involving the implementation of a Management of Change (MOC) procedure for the upgrade of chlorine regulator tubing. As of this date, we have not yet received confirmation from Mr. Dovedytis as to whether a notice of violation will be issued.

CAT/kld