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NEW JERSEY WATER SUPPLY AUTHORITY

HEARING OFFICER'S REPORT

AMENDMENTS TO N.J.A.C. 7:11-2.1 et seq. IN THE SCHEDULE OF  
RATES, CHARGES AND DEBT SERVICE ASSESSMENTS  
FOR THE SALE OF WATER FROM THE RARITAN BASIN SYSTEM

ADJUSTMENT OF GENERAL RATE SCHEDULE FOR  
OPERATIONS AND MAINTENANCE FOR  
SALES BASE AND OPERATING EXPENSES FOR FISCAL YEAR 2025

ADJUSTMENT OF DEBT SERVICE ASSESSMENT AND SALES BASE FOR  
DEBT SERVICE PAYMENTS DUE AND REQUIRED FOR FISCAL YEAR 2025

ADJUSTMENT OF GENERAL RATE SCHEDULE FOR  
CAPITAL FUND COMPONENT FOR FISCAL YEAR 2025

ADJUSTMENT OF SOURCE WATER PROTECTION FUND COMPONENT  
FOR FISCAL YEAR 2025

Effective Date: July 1, 2024

Hearing Officer: Ellsworth Havens

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## I. INTRODUCTION

The New Jersey Water Supply Authority ("Authority") has proposed various amendments to its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System for Fiscal Year (FY) 2025 in a memorandum dated March 12, 2024 (Final Proposal). For the reasons set forth herein, I recommend approval of staff's Proposal.

The Authority's Board authorized proceeding with this rate setting process at its November 6, 2023 meeting through formal resolution (Exhibit A).

As a component of the Authority's formal rate adjustment procedure, the Authority is required to provide official notice and an explanation outlining the need for the Proposal to all contractual water customers, the Secretary of State, the Division of the Ratepayer Advocate, the Board of Public Utilities and other interested parties at least six (6) months prior to the proposed effective date (N.J.A.C. 7:11-2.12(a) (1)). Staff's November 2023 proposal (included in Exhibit B) was available for review on the Authority's website on October 27, 2023.

Official Notice of the Proposal was made through advertisement in the Star Ledger, the Times (Trenton) and the Hunterdon County Democrat. A certification of publication is set forth in Exhibit C.

Notice of the Proposal also appeared in the January 2, 2024 edition of the New Jersey Register (Exhibit D).

A mailing to the contractual water customers, the Secretary of State, the Division of the Ratepayer Advocate, the Board of Public Utilities and interested parties was made on December 19, 2023 and included an invitation to a pre-public hearing meeting, pursuant to N.J.A.C. 7:11-2.13(a)4, that was conducted by the Director of Finance and Administration on January 5, 2024. Four members of the public, representing New Jersey American Water Company and the Township of North Brunswick, attended the pre-public meeting on January 5, 2024. Minutes of the pre-public meeting are set forth in Exhibit E.

A public hearing was conducted on February 2, 2024 at 10:00 a.m. via the Microsoft Teams meeting platform. One member of the public, representing New Jersey American Water Company, attended. A stenographic record of the proceedings was made and is attached in Exhibit F.

One item of correspondence was received during the rate process and prior to the close of the Public Comment Period.

The final Staff Memorandum to me was dated March 12, 2024 and is set forth in Exhibit H.

A draft resolution approving the Proposal is set forth in Exhibit I for the Authority's consideration at its May 6, 2024 meeting.

A draft resolution for the approval of the FY2025 Budget by the Authority's Board is set forth in Exhibit J.

## II. DISCUSSION

### A. Staff Proposal

Staff proposes various adjustments to the N.J.A.C. 7:11-2.1 et seq. ("the Rules"), which are generally discussed herein and more particularly set forth in the attachments hereto.

The General Rate Schedule for O&M was last adjusted effective July 1, 2023 to fund the Authority's operating expenses of the Raritan Basin System ("System") for FY2024. The FY2024 Operations and Maintenance ("O&M") sales base was 182.339 million gallons per day ("mgd"). The Authority's O&M sales base was proposed to remain the same at 182.339 million gallons per day in the November 2023 Basis and Background document. Since the November 2023 Basis and Background document, there is no change in the sales base. The O&M Component was proposed to remain at \$203.00/mg for FY2025 in the November 2023 Basis and Background document. Staff recommends no change from the original proposal for a final FY2025 O&M Component of \$203.00/mg.

The NJEIFP Debt Service Assessment is used to repay loans issued to the Authority. The Authority has made several applications for funding: one for a canal dredging program in Franklin Township, Somerset County, New Jersey; a second application to finance the Round Valley Reservoir Structures Refurbishment and Resource Preservation Project in Clinton Township, Hunterdon County, New Jersey; and a third application for embankment and spillway improvement projects at Spruce Run Reservoir. The Authority anticipates the FY2025 sales base for the Debt Service Assessment will remain the same at 182.339 mgd, which is no change from the recommendation included in the November 2023 Basis and Background document. In the November 2023 Basis and Background document, staff proposed a total NJEIFP Rate Component of \$109.00/mg for FY2025, no change versus FY2024.

The final loan amount for the dredging project is approximately \$36 million because the actual project total cost was lower than



anticipated. The Round Valley Reservoir project is expected to cost approximately \$75 million. Funding through the NJEIFP would allow a portion of the loan to be at zero interest and a portion of the loan to be at market rate with the blended rate at favorable terms. Final closing on the dredging loan occurred in FY2021, and final closing on the Round Valley loan occurred in FY2024. Additionally, the Authority has begun embankment and spillway improvement projects at the Spruce Run Reservoir. The Authority proposes maintaining the rate of \$109.00 per million gallons in FY2025 to ensure that sufficient funds are available to make debt service payments for these projects.

The Authority's Capital Fund Rate Component is used to fund the Authority's Capital Improvement Program in lieu of incurring long-term debt. In the November 2023 Basis and Background document, staff proposed \$33.00/mg for FY2025, no change from FY2024, and recommends no change in the proposal for a final FY2025 Capital Fund Component Assessment of \$33.00/mg.

The Source Water Protection Fund Component was established to fund planning initiatives and acquisitions of properties deemed critical to water quality and quantity in the Raritan Basin System. Since 2003, the Authority has purchased, with its project partners, over 4,100 acres of land. The Authority has issued over \$17,000,000 in bonds and loans to the Trust and the State for land acquisition. The Authority is proposing no change for this rate component in FY2025. In the November 2023 Basis and Background document, staff proposed \$20.00/mg for FY2025, and recommends no change in the proposal for FY2025.

In FY2025, the Source Water Protection Fund component of the rate is anticipated to generate approximately \$1,331,075. Of that amount, approximately \$1,000,000 is earmarked by the Authority's Board for costs associated with the land program (debt service, soft costs and administrative) and approximately \$300,000 is earmarked for watershed protection projects. In FY2025, recurring revenue will support the entirety of debt service. Any future land acquisition will need to be evaluated in the context of a long term plan and the balance of rate needs for other projects.

The cumulative effect of staff's recommended base rate component changes results in no change to the total rate in FY2025 of \$365.00/mg. This reflects no change from staff's November 2023 proposal.

#### B. Comment by Interested Parties / Members of the Public

Four members of the public, representing New Jersey American

Water Company and the Township of North Brunswick, attended the pre-public meeting on January 5, 2024.

One member of the public, representing New Jersey American Water Company, attended the public hearing on February 2, 2024.

One item of public comment or correspondence was received. The Authority received an email from Barbara Sachau on January 2 in which concerns about water quality and spending by local water companies were raised. Ms. Sachau asked for confirmation acknowledging the receipt of the email and the Authority sent the same.

### III. FINDINGS AND CONCLUSIONS

1. The public record does not contain any adverse comments concerning staff's justification for the sales base and proposed Operations and Maintenance Expense Component of the Rate. The Raritan Basin System Operations and Maintenance Component rate was last increased on July 1, 2023 from \$194.00/mg to \$203.00/mg and no increase is recommended for July 1, 2024 (FY2025). Each year, as a requirement of Executive Order 37 (2006) and as a matter of sound business practice, the Authority performs an analysis of the budget to identify and implement cost savings measures. The Authority continues to use one-time revenue to support the operating budget in order to keep the Operations and Maintenance Expense Component of the rate as stable as possible. The Authority has provided its water customers and interested parties with documentation that describes the actions taken by the Authority to manage the O&M Component Rate. I find the sales base and Operations and Expense Component of the Rate to be appropriate.<sup>1</sup>
2. The public record does not contain any adverse comments concerning staff's justification for the adjustments to sales base and proposed NJEIFP Debt Service Assessments. Moreover, the Authority is required by its Bond Resolutions to adopt rates that fully cover its Debt Service payments. I find the FY2025 NJEIFP Debt Service Assessments and associated sales base to be appropriate.
3. The public record does not contain any adverse comments concerning staff's justification for the Capital Fund Component of the Rate. I find the proposed FY2025 Capital Fund Component to be appropriate.

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<sup>1</sup> In recent years, the actual O&M Component adjustments have been minimized due to credits for receipts of unanticipated revenues from the sale of water in excess of contractual supplies during the previous fiscal years and other sources.

4. The public record does not contain any adverse comments concerning staff's justification for the Source Water Protection Fund Component of the Rate. I find the proposed FY2025 Source Water Protection Fund Component to be appropriate.
5. The Authority's proposed rate adjustments are affirmed in Section IV below, reflecting the assessment of reasonable total rates for the preservation of the reliability of this vital supply of water for a large portion of the State's population and enhancing the Authority's fiscal position for the future issuance, when needed, of long-term debt.

#### IV. RECOMMENDATIONS

1. Resolution No. 2599 dated 11/6/23 authorized \$3,292,070 in unanticipated revenues, prior year-end balances, and source water protection funds to be appropriated into the Rate Stabilization Fund, all of which would be used in the FY2025 budget, and authorized the publication of the proposed FY2025 rates in the New Jersey Register. The resolution adopting the final rates will authorize \$3,292,070 in unanticipated revenues to be appropriated into the Rate Stabilization Fund for use in FY2025.
2. The Authority must adopt rates that fully cover its annual Operations and Maintenance expenses and Debt Service payments as required by the Bond Resolution.
3. The proposed FY2025 Operations and Maintenance Expense Component of \$203.00 per million gallons as recommended in the November 6, 2023 proposal should not be adjusted and as such no further Rule change is necessary.
4. The proposed FY2025 Debt Service Assessment for the NJEIFP of \$109.00 per million gallons for the D&R Canal Dredging Project, the Round Valley Reservoir Project, and embankment and spillway improvement projects at the Spruce Run Reservoir as recommended in the November 6, 2023 proposal should not be adjusted and as such no further Rule change is necessary.
5. The FY2025 sales base for the O&M Component and Debt Service Assessment of 182.339 million gallons per day represents no change to the FY2024 sales base and should not be adjusted relative to the original FY2025 proposal.

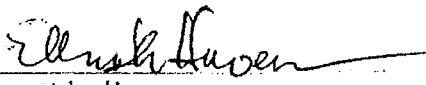
6. The proposed-FY2025 Capital Fund Component of \$33.00 per million gallons as recommended in the November 6, 2023 proposal should not be adjusted and as such no further Rule change is necessary.
7. The FY2025 Source Water Protection Fund Component of \$20.00 per million gallons as recommended in the November 6, 2023 proposal should not be adjusted and as such no further Rule change is necessary.
8. The total recommended rate effective July 1, 2024 should remain the same relative to the original November 6, 2023 proposal of \$365.00 per million gallons and as such no further Rule change is necessary.

SUMMARY OF RECOMMENDED RATE ADJUSTMENTS

Component	Current Rates Per MG		Originally Proposed Rates Per MG	Recommended Rates per MG
	7/1/23	6/30/24	7/1/24 - 6/30/25	7/1/24 - 6/30/25
Operations & Maintenance Assessment		\$203.00	\$203.00	\$203.00
NJEIIF Debt Service Assessment Canal, BV, Spruce Run		\$ 109.00	\$ 109.00	\$ 109.00
Capital Fund Component		\$ 33.00	\$ 33.00	\$ 33.00
Source Water Protection Fund Component		\$ 20.00	\$ 20.00	\$ 20.00
<b>Total Rate Per MG</b>		<b>\$365.00</b>	<b>\$365.00</b>	<b>\$365.00</b>

The proposed Fiscal Year 2025 Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System, as discussed above, are hereby recommended for adoption by the Authority.

Respectfully submitted,

  
 Ellsworth Havens  
 Hearing Officer  
 March 12, 2024

Resolution Proposing Rate  
Adjustments

Exhibit A

RESOLUTION OF THE NEW JERSEY WATER SUPPLY AUTHORITY

NO.: 2599

DATE OF ADOPTION: November 6, 2023

TITLE: Resolution Authorizing Publication of Proposed Change in the Authority's Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System and Proposed Changes to N.J.A.C. 7:11-1.27 Rules for the Use of Water Supply Authority Property

WHEREAS, N.J.S.A. 58:1B-7g and 58:1B-19 provide for the New Jersey Water Supply Authority ("Authority") to fix and revise from time to time its rates, fees and charges; and

WHEREAS, the Authority has estimated its revenue requirements for the 2025 State fiscal year beginning on July 1, 2024; and

WHEREAS, the sales base for the Operations and Maintenance, Debt Service Assessment, Capital Fund Component and Source Water Protection Component has remained at 182.339 million gallons per day since this component was last determined; and

WHEREAS, the Authority must provide for sufficient revenue and rate structure to cover its costs and long term capital needs.

NOW THEREFORE, be it resolved that the Authority proposes to amend its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System in the existing regulations found at N.J.A.C. 7:11-2.1 et seq.

and Rules for the Use of Water Supply Authority Property found at N.J.A.C. 7:11-1.27 dealing with primarily the following proposed changes:

1. Amend N.J.A.C. 7:11-2.3 of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the sales base at 182.339 million gallons per day and the Operations and Maintenance Component of the rate at \$203.00 per million gallons, for the period of July 1, 2024 through June 30, 2025; and
2. Amend N.J.A.C. 7:11-2.4(a), (b) and (c) of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the sales base of 182.339 million gallons per day and maintain the Debt Service Assessment Component of the rate at \$109.00 per million gallons, for the period of July 1, 2024 through June 30, 2025; and
3. Amend N.J.A.C. 7:11-2.5 of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the Capital Fund Component of \$33.00 per million gallons, for the period of July 1, 2024 through June 30, 2025; and
4. Amend N.J.A.C. 7:11-2.6 of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the Source Water Protection Fund Component at \$20.00 per million gallons, for the period July 1, 2024 to June 30, 2025.

BE IT FURTHER RESOLVED, that the following actions are authorized:

1. Appropriate \$2,452,070 in unanticipated revenue from overdraft sales from the Operating Fund into the Rate Stabilization Fund.
2. Appropriate \$640,000 in prior year's year-end fund balances from the Operating Fund into the Rate Stabilization Fund.
3. Appropriate \$200,000 in Source Water Protection funds for salary/fringe grant and other source water related expenditures from the Source Water Protection Fund into the Rate Stabilization Fund.
4. Apply \$3,292,070 appropriated into the Rate Stabilization Fund to the Operating Fund for Fiscal Year 2025.



Basis and Background Document in  
Support of Rate Adjustment Proposal

Exhibit B

**NEW JERSEY WATER SUPPLY AUTHORITY**

**BASIS AND BACKGROUND STATEMENT**

**PROPOSED AMENDMENTS TO N.J.A.C. 7:11-2.1 et seq. IN THE SCHEDULE OF  
RATES, CHARGES AND DEBT SERVICE ASSESSMENTS  
FOR THE SALE OF WATER FROM THE RARITAN BASIN SYSTEM AND N.J.A.C.  
7:11-27(c) RULES FOR THE USE OF WATER SUPPLY PROPERTY**

**ADJUSTMENT OF GENERAL RATE SCHEDULE FOR  
OPERATIONS AND MAINTENANCE COMPONENT  
FOR FISCAL YEAR 2025**

**ADJUSTMENT OF DEBT SERVICE ASSESSMENT FOR  
FOR FISCAL YEAR 2025**

**ADJUSTMENT OF GENERAL RATE SCHEDULE FOR  
CAPITAL FUND COMPONENT FOR FISCAL YEAR 2025**

**ADJUSTMENT OF SOURCE WATER PROTECTION FUND  
COMPONENT FOR FISCAL YEAR 2025**

**Effective Date: July 1, 2024**

**Approved: 11/6/2023**

**NEW JERSEY WATER SUPPLY AUTHORITY  
 PROPOSED RATE ADJUSTMENTS FOR FISCAL YEAR 2025  
 RARITAN BASIN SYSTEM**

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**PART I - EXPLANATION OF PROPOSED REVISED RATE STRUCTURE**

**Overview of Rate Proposal for Fiscal Year 2025**  
**(July 1, 2024 - June 30, 2025)**

The New Jersey Water Supply Authority (Authority) is proposing to adjust its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System, to cover expenses for the Fiscal Year (FY) starting on July 1, 2024.

**Summary of Proposed Adjustments**

<b>Component</b>	<b>Current (FY2024) Rates Per MG 7/1/2023 - 6/30/2024</b>	<b>Proposed (FY2025) Rates Per MG 7/1/2024 - 6/30/2025</b>
Operations & Maintenance Assessment	\$203.00	\$203.00
Debt Service Assessment Dredging/ RV Structure Refurbishment/Spruce Run	\$109.00	\$109.00
Capital Fund Component	\$33.00	\$33.00
Source Water Protection Fund Component	\$20.00	\$20.00
Total Rate	\$365.00 /mg	\$365.00 /mg

The General Rate Schedule for Operations and Maintenance (O&M) was last adjusted effective July 1, 2023 to cover the operating expenses of the System for FY2024. The FY2025 O&M sales base of will remain at 182.339 million gallons per day (mgd). The O&M Component is projected to remain at \$203.00 per million gallons for FY2025.

With the allocation of appropriate Headquarters expenses and insurance costs to the Manasquan Reservoir Water Supply System, the projected operating costs for FY2025 require that an O&M Component of \$203.00 per million gallons be charged starting on July 1, 2024.

In recent fiscal years, actual O&M Component adjustments have been minimized because of credits for receipts of unanticipated revenues from the sale of water in excess of contractual amounts, positive budget variances during the preceding fiscal years or from uses of other one-time sources of revenue. These credits have the effect of obscuring the full O&M Component adjustment needed and as a result Raritan Basin System rates do not represent full cost pricing. The amount available for the Rate Stabilization Fund was \$1,862,950 in FY2024, and the amount available in FY2025 will be \$3,292,070. Overdraft sales increased from \$862,947 in FY2022 to \$2,452,071 in FY2023. An additional \$840,000 in prior year positive budget variance and source water protection fund transfers are being used in FY2025 to offset the O&M component. These credits will provide for the full funding of anticipated Operations and Maintenance costs.

The Authority established the Source Water Protection Fund Component in FY2003 to protect the quality and quantity of waters in the Raritan Basin System. The Authority is proposing no change for this rate component of \$20.00 per million gallons, which was decreased in FY2024 as an anticipated temporary reduction to ease the overall rate impact given increases in other rate components during that year. This rate component supports debt service on acquired critical watershed parcels and matching dollars for watershed protection projects, and the Authority projects that there will be sufficient funds raised to service outstanding debt and fund other source water protection projects in FY2025.

The Authority has issued final bonds through the New Jersey Infrastructure Bank (NJIB) to finance the dredging of a 10.5-mile segment of the Delaware and Raritan Canal (D&R Canal) between Kingston at Lincoln Highway and Amwell Road in Franklin Township, Somerset County, New Jersey. This project has been completed. The Authority has also submitted an application to the NJIB to finance the refurbishment of structures within the Round Valley Reservoir complex. Additionally, the Authority has begun embankment and spillway improvement projects at the Spruce Run Reservoir and has submitted applications with the NJIB for financing of these projects. (See Schedule 13 and following explanations for further details on these projects.) The Authority proposes no change to the NJIB rate component of \$109.00 per million gallons to fund the debt service in FY2025 and beyond for these three projects.

Finally, the Authority established a "Capital Fund Component" of the rate commencing July 1, 1994. This Component is used to fund the Authority's current Capital Improvement Program without incurring long-term debt. The Capital Fund Component was increased in FY2008 from \$21.00 to \$33.00 per million gallons, funded from the 1981 Bond Act debt service savings. The rate component was reduced to \$30.00 per million gallons in FY2012 to accommodate pressure on the O&M Component in order to keep the overall rate at \$231.00 per million gallons. The Authority increased this component of the rate from \$30.00 to \$33.00 per million gallons in FY2016 and proposes no change to the rate of \$33.00 per million gallons for FY2025.

Table 1 on page 12 shows each of the rate components and reflects a total rate of \$365.00 per million gallons for FY2025.

The balance of this document contains a further discussion of the individual rate components, a schedule of events and detailed supporting information for the proposed rate adjustments.

A pre-public hearing on the proposed rate adjustments is scheduled at 10:00 a.m. on Friday, January 5, 2024.

A public hearing on the proposed rate adjustments is scheduled at 10:00 a.m. on Friday, February 2, 2024.

Further information regarding the dial-in information or location for the pre-public hearing meeting and for the public hearing will be posted on the Authority's website at

<https://www.njwsa.org/public-notices.html> at least 15 days prior to the date of the meeting/hearing.

The New Jersey Register Comment Period is scheduled to close on March 2, 2024 and the public hearing record on the proposed rate adjustments is scheduled to close on March 11, 2024.

Final action on the rate adjustment is scheduled for the Authority's May 6, 2024 meeting. The FY2025 rate will take effect on July 1, 2024.

### **Distribution of Headquarters General and Administrative Costs and Insurance Costs to all Operating Systems**

On July 1, 1990 the Authority placed the Manasquan Reservoir Water Supply System in operation to provide an untreated water supply for use throughout Monmouth County. In addition to this major System, the Authority also began operation of the Water Treatment Plant and Transmission System for the Monmouth County Improvement Authority (MCIA) on July 1, 1990. The Boroughs of Brielle, Spring Lake, Spring Lake Heights, Sea Girt and Wall Township entered into agreements with the MCIA for this treatment/transmission system, which treats and conveys their portion of the supply from the Manasquan Reservoir System. In December 2008, the five member communities created the Southeast Monmouth Municipal Utilities Authority and in September 2009 purchased the Water Treatment Plant from the MCIA and the Authority continues to operate the Water Treatment Plant. The Authority is operating, maintaining and managing three distinct Systems each with its own budget, cost accountability and revenue stream.

The Authority's Headquarters' staff located in Clinton provides general and administrative support services for all three Systems. These services include, but are not limited to, Financial Management, Payroll, Human Resources, Purchasing, Contract Administration, Risk Management and overall management. In order to equitably assess each of the three Systems, the Authority previously retained the services of an auditing firm to develop a methodology for the allocation of the Headquarters General and Administrative costs to all three operating Systems. After the close of each fiscal year, the Authority's auditors provide the Authority with their findings as to the adjustment, if any, to the allocation factors and the actual audited expenditures for the fiscal year.

The audit report for the immediately preceding fiscal year ending June 30 is available during November. Each September the Authority formulates the proposed budgets for the upcoming fiscal year starting on the following July 1. The adjusted allocation factors, if any, and the audited expenditures for the previous fiscal year are used to establish a debit or credit for each of the three operating Systems. This debit or credit is applied to the budgets being prepared each September for the upcoming fiscal year starting on July 1.

An independent accounting firm performed the Authority's FY2023 audit. The audit included a review of the allocation factors as well as the actual audited expenditures. The

appropriate adjustments have been made to the FY2025 budget based on the FY2023 audit. A copy of the Auditor's report on the allocation of the Headquarters General and Administrative costs is included in the Appendices to the rate proposal package for each System.

Insurance costs are also allocated to each System based upon the recommendations of the Authority's Risk Management Consultant. See the rate proposal package for more information on insurance charges.

### **Analysis of Significant Changes in Operations and Maintenance Expenses** **Raritan Basin System**

#### Overview of Projected Operational Expenses

The Authority's proposed FY2025 Raritan Basin System Operating Expense Budget is increasing by \$1,318,261 from FY2024. The Total Budget Requirement, which is net of the allocation of appropriate Headquarters General and Administrative expenses to the Manasquan Water Supply System, and includes capital equipment and contribution to reserves, is \$16,721,328. This is \$1,578,319 more than the FY2024 budget of \$15,453,009. The Capital Equipment budget of \$367,354 is \$300,058 more than the FY2024 budget of \$67,296 and utilizes \$800,000 from the Authority's capital equipment reserve as a funding source. The proposed contributions to the Reserve for Formal Dam Inspections (\$10,000), Capital Equipment Reserve (\$150,000) and the Pumping Reserve (\$150,000) remain at FY2024 levels. There are no contributions scheduled for the Depreciation Reserve and the Self-Insurance Reserve in FY2025. These Reserves last received a \$100,000 and \$150,000 contribution in FY2011, respectively, but are sufficiently funded at the present time. There are no proposed contributions to the Operations and Maintenance Reserve, Major Rehabilitation Reserve or the Pension Reserve. The reserve for capital equipment purchases established in FY2015 requires an additional year of funding with a simultaneous direct expenditure for capital equipment because six years of stable rates from FY2009 through FY2014 caused deferral of equipment purchases. It is still the Authority's intention to fund the reserve at an annual level of \$150,000 to eliminate rate fluctuations associated with the annual change in level of capital equipment purchases once the reserve is adequately funded. In FY2017 for the first time, the Authority funded a reserve for other post-employment benefits (accumulated sick leave payout for retirees) of \$181,000. There are no proposed contributions to this reserve for FY2025. All of these modifications result in a total FY2025 budget requirement of \$17,031,328 which is an increase of 10.2 percent relative to FY2024 (Page 15).

Fifteen of the thirty-one FY2025 direct operating expense accounts are projected to increase, but only nine accounts by \$5,000 or more relative to FY2024. The remainder of the operating expense accounts are projected to be level or decrease relative to FY2024. The most significant projected increases in the budget occur in the Protective Services (Insurance), Service and Maintenance Contracts, and Maintenance Supplies categories, while the most significant projected decreases in the budget occur in the Vehicular Fuel and Heating Fuel categories. In Salary and Fringe, regular salary is increasing by \$498,950, reflecting the impact of cost of living and salary step increases. Fringe benefits for active employees are increasing by 7.9 percent, reflecting significant projected healthcare premium increases for both active employees and retirees. The Authority is projecting four additional retirees in FY25 who will be eligible for



Authority funded healthcare. Salaries and benefits constitute approximately 73.5 percent of the Authority's operating budget, and are increasing approximately 7.8 percent relative to FY2024.

### Salaries and Benefits

Authority employees within the Communications Workers of America (CWA), the International Federation of Professional Technical Engineers (IFPTE) and the International Brotherhood of Electrical Workers (IBEW) are currently operating under a contract that expired on June 30, 2023. The FY2025 budget incorporates all union negotiated step increases in the current union contracts and assumes a 4% cost of living increase for both FY24 and FY25. The IFPTE/AFL-CIO represents the Authority's Maintenance, Craft and Security Units and the CWA represents the Authority's Administrative and Clerical, Primary Level and Higher Level Supervisors Units. The IBEW represents several management employees. Also included is a 4% annual cost of living increase for the five members of Authority management who are not represented by a union. The Authority is budgeting 53.8 percent of the salary budget for fringe benefits in FY2025, exclusive of retiree medical.

Pension expense payable to the state of New Jersey on April 1, 2024 is expected to be approximately \$1,150,000 for the Raritan System. The Authority has budgeted \$1,198,300 for this line item in FY2025. Although increases in this category have stabilized in the past several years, there is still a level of uncertainty in this expense item because the pension system remains significantly underfunded.

### Overtime Salaries and Wages

The Authority's overtime expenses are projected to increase by approximately \$31,990 in FY2025. Overtime expenses are incurred within Security and O&M Facilities and Canal Operations principally (those areas operating within a crew or shift structure).

### Active and Retiree Health Benefits

Employees who retired with a minimum of 25 years of service prior to July 1, 1997 are entitled to paid health benefits. Those who attain 25 years on or after July 1, 1997 share some portion of post-retirement health benefit costs with the employer as determined by union contract or bargaining unit agreement. The Authority is budgeting four additional retirees in FY2025. Indications from state level negotiations point to significant increases in health care premiums in calendar year 2024 (for active employees, 5.7% increase in medical premiums and 19.9% increase in prescription premiums; for retirees, 7.3% overall increase). Centers for Medicare and Medicaid Services (CMS) estimates that national health care spending will increase at an annual rate of 5.4 percent from 2022-2031. Starting with actual 2023 premiums, the Authority has budgeted the aforementioned state recommended for CY2024. For CY2025, a 5.4% increase was assumed for both categories. The budget contains sufficient funds for 65 retired employees.

### Insurance Program

The Authority is recommending an approximately 22% increase (\$330,749) in insurance expense for FY2025, reflecting general market conditions and based on the advice of the

Authority's insurance broker and consultant. Broker services are remarketed every three years and the insurance program is renewed on March 1.

Allocation of the Primary, Umbrella and Public Officials Liability insurance costs among the three Systems is based upon proportionate water sales. The Automobile Liability cost is allocated based upon the assignment of vehicular equipment to each System. The cost of the Business Property coverage is allocated on the basis of insured values for each System and the Workers Compensation premiums are allocated on the basis of salaries for each System.

### **Interest Income**

The projected interest earnings for FY2025 are \$254,300 based upon a rate of 2.5 percent for short-term investments. This represents an increase of \$169,900 as compared to FY2024. (Schedule 7, page 25), reflecting overall market increases in interest rates.

### **Reserve Contributions**

During FY2025, the Authority will make no contributions from rate component sources to the Depreciation Reserve. Interest earnings from long-term investment accounts have historically been applied to the Depreciation Reserve and are serving to keep this reserve fully funded.

The Authority will contribute \$150,000 to the pumping reserve, and will do so every year, as this will be the primary funding mechanism for pump exercises and reservoir refilling requirements. The Self Insurance Reserve fund will receive no funding in FY2025. The Authority will continue funding for the Reserve for Formal Dam Inspections at \$10,000 in order to avoid future swings in the professional services accounts for expenses associated with this three-year cycle. The Authority will contribute \$150,000 to the Capital Equipment Reserve, and will do so every year, as this will be the primary funding mechanism for capital equipment purchases. When the reserve reaches the appropriate level, while equipment purchases will continue to be identified in the Basis and Background Document and approved by the Board, the direct line item will be removed from the rate and replaced by the annual appropriation.

### **Debt Service Assessments**

New Jersey Environmental Infrastructure Financing Program Debt Service Assessment – D&R Canal Dredging, Round Valley Structure Refurbishment – Rehabilitation and Preservation Project – Spruce Run Grouting and Spillway Improvements

The Authority has issued permanent financing through the New Jersey Infrastructure Bank (NJIB) loan program for the dredging of a 10.5-mile segment of the Delaware and Raritan Canal (D&R Canal) between Kingston at Lincoln Highway to Amwell Road in Franklin Township, Somerset County, New Jersey. This project was originally authorized for \$45,000,000; the final loan amount was approximately \$36,000,000 because the actual project total cost was lower than anticipated. Funding through the NJIB allowed a portion of the loan to be at zero interest and a portion of the loan to be at market rate with the blended rate at favorable

terms. The Authority has also submitted an application to the NJIB to finance the refurbishment of structures at the Round Valley Reservoir complex in Clinton Township, Hunterdon County, New Jersey. This project is expected to cost approximately \$75,000,000 and last in duration for several years. Funding through the NJIB would allow a portion of the loan to be at zero interest and a portion of the loan to be at market rate with the blended rate at favorable terms. Interim loans for the project closed in June 2019 and July 2020. Additionally, the Authority has begun embankment and spillway improvement projects at the Spruce Run Reservoir and has submitted applications with the NJIB for financing of these projects. The Authority proposes no change to the rate component of \$109.00 per million gallons in FY2025 to ensure that sufficient funds are available to make debt service payments for these projects. The total rate component will be adjusted after the bonds for all projects are issued in accordance with final debt service schedules.

### **Capital Fund Component for Current Financing of Capital Improvement Program**

During the period from 1982-1993 the Authority had invested \$62,000,000 in the Capital Improvement Program for the Raritan Basin System. Much of this effort was the direct result of inadequate investments in the facilities during the years preceding the creation of the Authority. These Capital Improvement Programs were financed through the issuance of two long-term debt obligations, the 1981 Water Supply Bond Funds and 1988 Water System Revenue Bonds.

In 1995, the Authority began preparing a rolling five-year Capital Improvement Program, which required the investment of approximately \$1,500,000 per year. Current estimates place the necessary annual investment between \$2,500,000 and \$5,500,000. In evaluating options for financing this program (and subsequent five-year CIP's) the Authority looked at (1) the continuation of the practice of incurring long-term debt through the issuance of Revenue Bonds and (2) the possibility of current financing through the assessment of annual charges as part of our rate structures. The Authority concluded at the time that financing of such a small annual Capital Improvement Program based upon the issuance of long-term debt was fiscally imprudent. The Authority reevaluates this financing methodology on an annual basis.

The Authority's financial plan was predicated upon the establishment of a Capital Fund Component of \$10 per mg starting on July 1, 1994 with subsequent increases in this component of the total rate structure to \$15 per mg effective July 1, 1995 and to \$20 per mg effective July 1, 1996 and to \$25 per mg effective on July 1, 1998. Since then, the annual rate component has fluctuated between \$20 and \$35.

This level of current financing for reinvestments in plant and equipment somewhat exceeds the booked depreciation of the plant and equipment for the Raritan Basin System facilities (without the depreciation of the dams), which amounts to about \$1,900,000 per year. Any future unplanned or unanticipated major capital investment may, however, require the issuance of long-term debt. Any future planned activity that increases the System capacity will be financed using long-term debt.

For FY2025, the Authority continues to believe the use of internally generated funds for such capital improvements is the least cost method of financing.

The Authority has determined that a Capital Fund Component of \$33.00 per million gallons, no change versus FY2024, should be assessed for FY2025 to generate approximately \$2,196,273. The Authority deems these revenues sufficient to meet its capital needs for FY2025 in light of existing capital reserves and project scheduling, and to ensure that sufficient funds are committed to the continuing rehabilitation of Authority assets.

**Source Water Protection Fund Component  
for the Protection of Water Quality**

The Authority established its Watershed Protection Unit in 1999 to implement a watershed management program for the Raritan River Basin pursuant to a Memorandum of Agreement with the New Jersey Department of Environmental Protection. Primary functions of the Unit are planning for watershed protection and development and implementation of projects that improve protection of water supply.

As a component of the Authority's watershed protection initiative, the Authority established the Source Water Protection Fund in August of 2001 for the purpose of protecting the quality and quantity of waters in the Raritan Basin System. The first \$5.00 per million gallons of the component is used for three purposes in cooperation with federal, State, local and nonprofit partners: (1) administrative actions associated with the acquisition of critical watershed parcels in the Raritan Highlands; (2) planning assistance to improve management of land development by municipal, county and state government to protect both water quality and flows to and within Authority facilities; and (3) water quality characterization and associated remedial projects to preserve and enhance water quality.

In light of the rapid decline in available watershed parcels, and the critical value of these parcels to the sustained supply of water in the Raritan Basin System, the Authority increased the Source Water Protection Fund by \$5.00 per million gallons in FY2004 and again by \$3.00 per million gallons in FY2006, to acquire fee and other interests in critical watershed parcels in the System and rehabilitate properties to maximize benefit to water quality and quantity. To date, more than 3,954 acres of property have been preserved by the Authority and its partners. Some of the watershed and water quality projects include a tributary and storm water assessment of the D&R Canal to determine sediment loading, followed by an implementation project; the development of storm water management plans for a variety of tributaries in the Basin; a stream restoration project of a reach of the Mulhockaway which feeds into Spruce Run, and implementation of improved land management practices within the agricultural community. The Authority increased the Source Water Protection Rate from \$13.00 per million gallons to \$15.00 per million gallons in FY2008 to further support direct watershed protection and restoration projects. The Authority increased the Source Water Protection Rate from \$15.00 per million gallons to \$24.00 per million gallons in FY2014 to support debt service on previously acquired critical watershed parcels. The Authority decreased the Source Water Protection Rate by \$4.00 per million gallons for FY2024 to mitigate the overall rate increase. The Authority is proposing no change to the rate of \$20.00 per million gallons for FY2025. The retirement of debt issued to fund the land acquisition programs began in 2023; the first land parcel was acquired in 2003 and was financed by a twenty-year bond. In combination with the balance in the Source Water

Protection fund, the Authority is confident that there will be sufficient reserves in 2025 to fund the various Source Water Protection initiatives. The Authority anticipates that the reduction in the Source Water Protection rate will be a temporary one, and will continue to evaluate this rate component to ensure adequate funding of these important source water protection measures.

#### **Other Rule Amendments**

There are no other rule amendments. The language supporting the overall proposal is contained beginning on page 65 of this document.

**PART II – DETAILED SUPPORTING INFORMATION**

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Table 1 - Summary Of Proposed Fiscal Year 2025 Adjustments  
Based On Present Usage**

The rates, charges and debt service assessments listed below shall be paid for raw water diverted, withdrawn or allocated from the Raritan Basin System:

RATE COMPONENT	CURRENT	ORIGINAL PROPOSAL 11/06/23	DIFFERENCE	PERCENTAGE INCREASE (DECREASE)
O & M Assessment	\$203.00	\$203.00	\$0.00	0.0%
Debt Service Assessment Dredging/ RV Structure Refurbishment/Spruce Run	\$109.00	\$109.00	\$0.00	0.0%
Capital Fund Component	\$33.00	\$33.00	\$0.00	0.0%
Source Water Protection Component	\$20.00	\$20.00	\$0.00	0.0%
Total Rate	\$365.00/mg	\$365.00/mg	\$0.00/mg	0.0%

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Table 2 - Rate History of Water Charges per Million Gallons of Raw Water Daily**  
Fiscal Year 2008 – Fiscal Year 2025

Effective Date	O&M Charge	1981 Bond Charge 7/1/86-10/30/06	1998 Bond Charge 8/1/98-11/1/13	NJEIFP/NJIB Debt Component	Capital Fund Component	Source Water Protection Component	Total Charge per MG	Percent Increase -Decrease
July 1, 2007	138.71		41.29		33.00	15.00	228.00	0.00%
July 1, 2008	142.34		40.66		33.00	15.00	231.00	1.32%
July 1, 2009	142.39		40.61		33.00	15.00	231.00	0.00%
July 1, 2010	142.55		40.45		33.00	15.00	231.00	0.00%
July 1, 2011	145.66		40.34		30.00	15.00	231.00	0.00%
July 1, 2012	145.84		40.16		30.00	15.00	231.00	0.00%
July 1, 2013	152.00			25.00	30.00	24.00	231.00	0.00%
July 1, 2014	167.00			25.00	30.00	24.00	246.00	6.49%
July 1, 2015	171.00			25.00	33.00	24.00	253.00	2.85%
July 1, 2016	171.00			25.00	33.00	24.00	253.00	0.00%
July 1, 2017	194.00			85.00	33.00	24.00	336.00	32.81%
July 1, 2018	194.00			85.00	33.00	24.00	336.00	0.00%
July 1, 2019	194.00			85.00	33.00	24.00	336.00	0.00%
July 1, 2020	194.00			85.00	33.00	24.00	336.00	0.00%
July 1, 2021	194.00			85.00	33.00	24.00	336.00	0.00%
July 1, 2022	194.00			85.00	33.00	24.00	336.00	0.00%
July 1, 2023	203.00			109.00	33.00	20.00	365.00	8.63%
July 1, 2024	184.00			109.00	33.00	20.00	365.00	0.00%

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYTEM

**Schedule Of Events**

(NJAC 7:11-2.1 et. seq.)

To become effective July 1, 2024

**2023**

- SEPTEMBER 27 Advise Water Users of informal meeting.
- OCTOBER 27 Informal meeting with Water Users – 10:00 AM.
- NOVEMBER 6 Board reviews and approves proposed Rates.
- DECEMBER 14 Mail Official Notice to water customers, Rate Payer Advocate, interested parties and advertise in newspapers.

**2024**

- JANUARY 2 Publication in the New Jersey Register.
- 5 Pre-Public Hearing – 10:00 AM (within 45 days of Official Notice). Deadline for responses to inquiries received prior to pre-public hearing.
- 29 Deadline for receipt of comments to be addressed at Public Hearing (15 days after pre-public hearing).
- FEBRUARY 2 Public Hearing Meeting. (SR Administration Building) – 10:00 AM Deadline for responses to inquiries received between pre-public and public hearing.
- 16 Written responses to questions raised at Hearing (within 10 business days of the public hearing).
- MARCH 2 NJ Register Comment Period Ends.
- 11 Public Hearing record closes (25 business days after Public Hearing).
- MAY 6 Board approval of FY2025 Rates & Budgets
- JULY 1 Effective date.



NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Proposed**

**Fiscal Year 2025 Budget Summary**

(7/1/24 - 6/30/25)

	ADOPTED F/Y24	PROPOSED F/Y25
Proposed Operating Expense Budget (Schedule 1)	\$15,968,713	\$17,286,974
Net Allocation of Headquarters General and Administrative Expenses to the Manasquan Water Supply System - (Schedule 5)	\$ (893,000)	\$ (933,000)
Proposed Total Expense Budget	\$ 15,075,713	\$ 16,353,974
Proposed Capital Equipment Budget (Schedule 6)	\$ 67,296	\$ 367,354
Total Operating Expense & Capital Equipment Budgets	\$ 15,143,009	\$ 16,721,328
Contribution to Reserve Funds		
- Other Post Employment Benefits Reserve	\$ -	\$ -
- Reserve for Formal Dam Inspection	\$ 10,000	\$ 10,000
- Pumping Reserve	\$ 150,000	\$ 150,000
- Capital Equipment Reserve	\$ 150,000	\$ 150,000
Total Budget Requirements	\$ 15,453,009	\$ 17,031,328
<u>MISCELLANEOUS REVENUES:</u>		
Employee Housing/Land Rental	\$ (47,200)	\$ (47,200)
	\$ (84,400)	\$ (254,300)
	\$ (131,600)	\$ (301,500)
<u>OTHER AVAILABLE FUNDS:</u>		
Unanticipated Revenue (Schedule 8)	\$ (1,862,950)	\$ (3,292,070)
Total Other Available Funds	\$ (1,862,950)	\$ (3,292,070)
Net Amount to be paid for O & M Component	\$ 13,458,459	\$ 13,437,758

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 1 - Proposed Operating Expenses Budget – Fiscal Year 2025 Distributed by Cost Center**  
Fiscal Year 2025

CODE	ACCOUNT	OFFICE EXECUTIVE DIRECTOR	FINANCIAL MANAGEMENT & ACCOUNTING	WATERSHED PROTECTION PROGRAMS	OPERATIONS MAINTENANCE & ENGINEERING	PROPOSED BUDGET FOR FY25
5110	Regular Salaries & Wages	\$174,000	\$2,120,450	\$800,500	\$4,427,450	\$7,522,400
5120	Overtime-Salaries & Wages	0	149,890	0	138,500	288,390
5130	New Positions-Salaries & Wages	0	0	0	0	0
5140	Seasonal Help-Salaries & Wages	0	0	0	0	0
5150	Fringe Benefits	41,900	1,062,500	334,500	2,611,800	4,050,700
5167	Retiree Health Benefits	39,500	254,300	8,900	524,200	826,900
5168	Workers Compensation (Self-Insured)	0	10,000	0	0	10,000
	Total Salary & Fringe Benefits	\$255,400	\$3,597,140	\$1,143,900	\$7,701,950	\$12,698,390
5200	On-Site Residences	\$0	\$0	\$0	\$25,100	\$25,100
5210	Heating Fuel	0	0	0	128,000	128,000
5220	Utilities -Electrical Service	0	0	0	120,000	120,000
5230	" -Gas Service & Water	0	0	0	5,900	5,900
5240	" -Propane	0	0	0	500	500
5250	Electricity for Pumping	0	0	0	87,000	87,000
5260	Vehicular Fuel	0	179,750	0	0	179,750
5270	Oil & Grease	0	0	0	19,000	19,000
5280	Tires	0	0	0	27,000	27,000
5290	Maintenance Supplies	0	7,100	0	213,780	220,880
5300	Maint. Supplies - Vehicular Equipment	0	0	0	82,000	82,000
5310	Major Special Vehicle Service & Repair	0	0	0	85,000	85,000
5320	Agricultural Supplies	0	500	250	8,500	9,250
5330	Maintenance of Equipment	0	8,300	3,500	53,000	64,800
5340	Service & Maintenance Contracts	0	148,177	857	280,600	429,634
5350	Equipment Rental	0	15,623	0	35,500	51,123
5360	Household-Safety & Protective Supplies	100	27,240	500	18,200	46,040
5370	Uniforms	0	5,400	0	4,260	9,660
5380	Special & Professional Services	23,000	272,930	278,178	200,836	774,944
5390	Protective Services	0	1,834,420	0	0	1,834,420
5400	Telephone	0	40,000	0	3,600	43,600
5410	Postage & Freight	0	9,135	0	120	9,255
5420	Data Processing	0	30,000	0	0	30,000
5430	Printing & Office Supplies	500	34,950	2,000	10,800	48,250
5440	Scientific & Photographic	0	0	0	2,000	2,000
5450	Dues & Subscriptions	15,397	9,940	400	12,200	37,937
5460	Advertising	0	7,500	3,500	200	11,200
5470	Travel & Subsistence	1,000	2,080	1,500	1,600	6,180
5480	Staff Training & Tuition Aid	500	15,200	10,000	22,500	48,200
5490	Fees & Permits	0	20,000	0	113,261	133,261
5500	In-Lieu Taxes	0	18,700	0	0	18,700
	Total Operating Expenses	\$40,497	\$2,686,945	\$300,685	\$1,560,457	\$4,588,584
	<b>GRAND TOTAL</b>	<b>\$295,897</b>	<b>\$6,284,085</b>	<b>\$1,444,585</b>	<b>\$9,262,407</b>	<b>\$17,286,974</b>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 1A - Comparative Statement**  
Fiscal Year 2025

CODE	ACCOUNT	FY'21 ACTUAL	FY'22 ACTUAL	FY'23 ACTUAL	FY'24 ADOPTED	FY'25 PROPOSED
5110	Regular Salaries & Wages	\$5,887,597	\$6,220,845	\$6,286,573	\$7,023,450	\$7,522,400
5120	Overtime-Salaries & Wages	209,809	224,347	223,876	256,400	288,390
5130	New positions-Salaries & Wages	0	0	0	0	0
5162	Retiree Unused Sick & Vacation	0	0	0	0	0
5150	Fringe Benefits*	814,296	2,881,719	3,018,587	3,753,600	4,050,700
5167	Retiree Health Benefits	(315,911)	631,394	690,192	731,200	826,900
5168	Workers Comp. (Self Insured)	0	10,000	1,018	10,000	10,000
	<b>Total Salary &amp; Fringe</b>	<b>6,595,791</b>	<b>9,968,305</b>	<b>10,220,245</b>	<b>11,774,650</b>	<b>12,698,390</b>
	<b>Budget Salary &amp; Fringe</b>					
5200	Residences	\$17,096	\$20,854	\$27,183	\$19,600	\$25,100
5210	Heating Fuel	56,739	95,642	83,834	159,500	128,000
5220	Utilities -Electrical Service	110,014	122,051	143,640	108,600	120,000
5230	-Gas Service	5,665	5,661	5,794	5,900	5,900
5240	-Propane	244	0	263	500	500
5250	Electricity for Pumping Station	58,927	70,334	571,996	87,000	87,000
5260	Fuel - Vehicular	77,029	156,251	139,392	222,000	179,750
5270	Oil & Grease	8,996	8,049	12,053	17,500	19,000
5280	Tires	20,564	23,398	25,097	24,000	27,000
5290	Maintenance Supplies	154,004	166,595	220,452	189,700	220,880
5300	Maint. Supplies - Vehicular	51,228	67,914	86,285	65,000	82,000
5310	Major Vehicle Service & Repair	70,862	43,039	78,520	85,000	85,000
5320	Agricultural Supplies	7,516	4,851	4,114	10,750	9,250
5330	Maintenance Equipment	27,023	40,549	41,819	65,600	64,800
5340	Serv. & Maintenance Contracts	222,655	291,030	370,053	386,596	429,634
5350	Equipment Rental	36,896	31,101	23,192	53,693	51,123
5360	Household - Safety Supplies	41,993	39,723	41,988	42,740	46,040
5370	Uniforms	7,856	5,995	7,840	9,660	9,660
5380	Special & Professional Services	549,634	684,138	646,820	762,882	774,944
5390	Protective Services	1,130,377	1,264,101	1,466,128	1,503,671	1,834,420
5400	Telephone	51,862	51,731	58,025	43,600	43,600
5410	Postage & Freight Out	7,656	8,107	8,745	7,620	9,255
5420	Data Processing	25,156	26,188	27,403	27,420	30,000
5430	Printing & Office Supplies	32,383	49,538	28,284	36,950	48,250
5440	Scientific & Photographic	1,627	8,701	7,051	6,500	2,000
5450	Dues & Subscriptions	28,891	42,138	29,216	40,690	37,937
5460	Advertising & Promotional	8,822	3,517	5,561	11,200	11,200
5470	Travel & Subsistence	741	1,348	1,260	6,680	6,180
5480	Staff Training & Tuition Aid	11,461	15,059	22,624	41,700	48,200
5490	Fees & Permits	126,875	121,919	132,061	133,111	133,261
5500	In - Lieu Taxes	18,689	18,689	18,689	18,700	18,700
	<b>Total Other Expenses</b>	<b>\$2,969,482</b>	<b>\$3,488,212</b>	<b>\$4,335,382</b>	<b>\$4,194,063</b>	<b>\$4,588,584</b>
	<b>Total Operating Expenses</b>	<b>\$9,565,274</b>	<b>\$13,456,518</b>	<b>\$14,555,627</b>	<b>\$15,968,713</b>	<b>\$17,286,974</b>
	<b>Annual Increase (Decrease)</b>	<b>-19.66%</b>	<b>40.68%</b>	<b>8.17%</b>	<b>9.71%</b>	<b>8.26%</b>
	<b>Budget -other expenses</b>	<b>3,522,437</b>	<b>3,526,581</b>	<b>3,576,750</b>	<b>4,194,063</b>	<b>4,588,584</b>
	<b>ANNUAL BUDGET</b>	<b>\$13,936,857</b>	<b>\$14,298,436</b>	<b>\$14,730,184</b>	<b>\$15,968,713</b>	<b>\$17,286,974</b>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 2 - List of Category 5340 Items Recommended Service & Maintenance Contracts**  
Fiscal Year 2025

	ADOPTED F/Y24	PROPOSED F/Y25
1. Postage/Fax/ Misc. Machines (Dept. 16)	\$ 1,050	\$ 1,377
2. Wide Copier (Dept. 16)	900	-
3. SHPERA-Safety Software (Dept. 17)	2,200	2,200
4. Comodo- Remote Access Certificates (Dept. 17)	300	300
5. WMWARE (Dept. 17)	1,000	1,000
6. Sage Clients First MAS 100 (Dept. 17)	6,000	6,500
7. Property Fax - Parcel Maps (Dept. 17)	1,400	1,400
8. Sage Fixed Asset (Dept. 17)	3,400	3,400
9. Digicert Certificate (Dept. 17)	950	950
10. People Trak Support Technical Difference (Dept. 17)	1,600	1,600
11. COMCAST - Cable Internet (Dept. 17)	20,000	28,000
12. Dendroyka - Landscape Software (Dept. 17)	2,000	2,000
13. Weebly (Web Hosting at Clinton) (Dept. 17)	250	300
14. Square Space (Web Hosting Watershed) (Dept. 17)	250	300
15. Symantec Anti-Virus Maintenance-Clinton (Dept. 17)	2,500	2,500
16. Sonic Wall Software (Dept. 17)	1,500	1,500
17. ESRI ArcView Maintenance-Watershed (Dept. 17)	5,400	5,400
18. KNOWBE4 Internet Security (Dept. 17)	1,500	1,500
19. Proofpoint Antispam (Dept. 17)	1,800	1,800
20. Dossier Fleet Maintenance (Dept. 17)	9,700	3,000
21. DLT Solutions Autocad (Dept. 17)	2,800	3,500
22. Fastrax SBPS Monitoring Software (Dept. 17)	900	-
23. ESRI ArcView Maintenance-Clinton (Dept. 17)	500	700
24. Keystone Precision-GPS Software Maint. (Dept. 17)	600	600
25. DATTO SAAS Protection (Dept. 17)	2,400	6,000
26. Clients First-Vipre Antivirus/Antispam (Dept. 17)	400	600
27. EZ Watch Security Video (Dept. 17)	900	900
28. Clients First - Server Software (Dept. 17)	1,000	1,000
29. Delmar Enterprises - Key Systems (Dept. 17)	520	-
30. Docusign (Dept. 17)	400	400
31. Microsoft 365 (Dept. 17)	14,800	16,000
32. Backup Service (Dept. 17)	8,500	10,000
33. MFA Service (Dept. 17)	3,900	3,900
34. Drivestrike Laptop Protection (Dept. 17)	600	800
35. WebTitan Laptop Software (Dept. 17)	600	800
36. Gasboy (Dept. 17)	5,500	5,500
37. ManageEngine (Dept. 17)	-	500
38. Zoho Assist (Dept. 17)	-	150
39. Wix for Web (Dept. 20)	156	357
40. Trimble Catalyst for GPS (Dept. 20)	480	500
41. Trimble Catalyst for GPS (Dept. 30)	500	500
42. Refuse Collection (Dept. 31)	7,500	7,500
43. Janitorial Service (Dept. 31)	33,600	33,600

(continued on next page)

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 2 (Cont.) - List of Category 5340 Items Recommended Service & Maintenance Contracts**  
Fiscal Year 2025

	ADOPTED	PROPOSED
	<u>F/Y24</u>	<u>F/Y25</u>
44. HVAC Service (Dept. 31)	\$ 5,500	\$ 5,500
45. Electrician & Plumber Services (Dept. 31)	5,000	5,000
46. Instrumentation Services (Dept. 31)	4,500	4,500
47. Entry Rugs (Dept. 31)	5,000	5,000
48. Carpet Cleaning (Dept. 31)	10,000	10,000
49. Generator Service-Administration Building (Dept. 31)	1,200	1,200
50. Underground Plant Location Service Notifications (Dept. 31)	1,500	1,500
51. Crane Service and Inspection (Dept. 31)	4,000	4,000
52. Elevator Service-SBPS (Dept. 31)	2,800	2,800
53. Electrical Service-SBPS (Dept. 31)	20,000	-
54. UST Testing and Inspections (Dept. 31)	20,000	40,000
55. Miscellaneous (Dept. 31)	6,900	31,900
56. Janitorial Service (Dept. 32)	15,600	18,600
57. Dumpster Service Canal Office (Dept. 32)	30,000	33,000
58. Dumpster Service Route 1 (Dept. 32)	43,000	40,000
59. CFO Building	-	4,000
60. Instrumentation Service (Dept. 32)	3,000	3,000
61. One Call Concepts (Dept. 32)	2,400	2,400
62. ATS Environmental (Dept. 32)	3,120	3,600
63. HVAC (Dept. 32)	4,000	4,000
64. Wood Disposal Fees (Dept. 32)	4,800	4,800
65. Generator Service-Scudders & Perdicaris (Dept. 32)	3,000	3,000
66. Viking Pest (Dept. 32)	720	1,200
67. Johnny on the Spot - Rt. 202 (Dept. 32)	2,400	2,400
68. Welco Gas (Dept. 33)	1,000	1,000
69. Tree Stump Recycling (Dept. 33)	2,500	2,500
70. Miscellaneous Recycling (Dept. 33)	-	1,500
71. Parts Washer & Hazardous Removal (Dept. 34)	1,000	1,000
72. Boom Lift Annual Inspection (Dept. 34)	1,200	1,200
73. Recycle Used Vehicle Fluids (Dept. 35)	400	400
74. Fire Extinguisher Maintenance (Dept. 36)	10,800	10,800
75. Hazardous Waste Control (Dept. 36)	1,500	1,500
76. Fire Alarm Testing (Dept. 36)	10,000	10,000
77. Vehicle Lifts Annual Testing (Dept. 36)	1,500	1,500
78. Delaware Electric Cellular Service (Dept. 37)	1,200	1,200
79. Emergency Notification System (Dept. 37)	3,600	3,600
80. GPS Tracking (Dept. 37)	1,600	1,600
81. Covert Wireless (Dept. 37)	1,600	1,600
	<u>1,600</u>	<u>1,600</u>
TOTAL	<u>\$ 386,596</u>	<u>\$ 429,634</u>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 3 - List of Category 5380 Items Recommended Professional Services**  
Fiscal Year 2025

	ADOPTED F/Y24	PROPOSED F/Y25
Services-Governor's Authorities Unit (Dept. 10)	\$ 23,000	\$ 23,000
Consultant-C.P.A. to Conduct Annual Audit (Dept. 13)	60,300	62,000
125 Plan-Family security Insurance Agency (Dept. 13)	2,730	2,730
Archiving (Dept. 13)	6,000	6,000
NJEIT Fee (Dept. 13)	25,000	25,000
Services-Pre-Employment Exams & Tests (Dept. 14)	3,300	2,250
Fidelifax-Background Checks (Dept. 14)	2,248	1,800
Medical CDL Drug Testing (Dept. 14)	2,400	1,800
Employee Advisory Service (Dept. 14)	2,700	2,150
Consultant-Risk Management - to provide assistance to the Authority in the review of insurance coverage and continuation of a Comprehensive Coordinated Risk Management Program (Dept. 15)	45,000	45,000
Insurance Broker-HRH (Dept. 15)	45,000	45,000
GL Administrator (ESIS) (Dept. 15)	5,000	5,000
Services-Attorney General's Office - Assistance of Deputy Attorney General concerning a wide range of legal matters (Dept. 15)	30,000	55,000
MP Water Monitoring Costs - USGS SR @ Glen Gardner (Dept. 20)	13,117	16,080
MP Water Monitoring Costs - USGS SB Raritan @ Stanton (Dept. 20)	11,429	13,467
MP Water Monitoring Costs - USGS Landing Lane (Dept. 20)	72,405	72,539
MP Water Monitoring Costs - USGS Raritan River @ Manville (Dept. 20)	106,395	82,654
Continuous Record Gaging - USGS @ Washington Crossing (Dept. 20)	23,802	24,095
Water Quality Monitoring - USGS @ Washington Crossing (Dept. 20)	4,672	5,507
Water Monitoring Costs ASWQMN- USGS D&R Canal @ Landing Lane (Dept. 20)	15,326	18,467
Water Monitoring Costs ASWQMN - NJDEP Mulhockaway @ Van Syckel (Dept. 20)	9,022	19,068
Additional Flow Measure at SR, Stanton, Manville & Calco Dam (Dept. 20)	8,500	8,500
Water Monitoring-SBWA/URWA now RHA (Dept. 20)	2,000	2,000
Water Monitoring-SBMWA (Dept. 20)	1,500	1,500

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NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 3 (Cont.) - List of Category 5380 Items Recommended Professional Services**

Fiscal Year 2025

	ADOPTED F/Y24	PROPOSED F/Y25
Lab Certification WPU/Water Sample Analysis (Dept. 20)	\$ 2,000	\$ 2,000
NJ Invasive Species Strike Team (Dept. 20)	300	300
ISCO Monitoring (Dept. 20)	8,000	8,000
General Lab Analysis (Dept. 20)	4,000	4,000
Services-Emergency Engineering Services (Dept 30)	15,000	15,000
USGS Cooperative Agreement River Gaging - Maintenance of Raritan Basin Stream Gaging Stations and the Delaware & Raritan Canal Gauging at Kingston per USGS/DWR/NJWSA Agreement (Dept. 31)	93,636	93,636
USGS Spruce Run Gage at Glen Gardner (Dept. 31)	11,200	11,200
USGS Clinton Rain Gage (Dept. 31)	3,000	3,000
USGS Washington Crossing Rain Gage (Dept. 31)	3,000	3,000
Water Testing and Sampling to comply with the Safe Water Drinking Act (Dept. 31)	20,000	20,000
Water Sampling and Testing as per NJDWR Requirements - RT 202 Stockpile Site (Dept 32)	30,000	20,500
Maintenance of USGS Gauges at Washington Crossing and 10-mile and others (Dept. 32)	30,000	34,000
Vac Truck Service - IFW, 10 Mile PS (Dept. 32)	5,000	500
Safety Suggestion Program, Poster and Promotional Materials, Safety Incentive Program (Dept. 36)	9,700	12,000
Pulmonary Testing and Physicals (Dept. 36)	5,000	5,000
Annual Contributions to Fire Companies and Rescue Squads (Dept. 36)	500	500
Hepatitis Vaccinations (Dept. 36)	800	800
Calibration for the Pota-Count Respirator (Dept. 36)	900	900
	<hr/>	<hr/>
TOTAL	<u>\$ 762,882</u>	<u>\$ 774,943</u>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 4 - Projected FY 2025 New Jersey Water Supply Authority Insurance Program**

Policy	Raritan Basin System	Manasquan Reservoir System	Manasquan Water Treatment Plant and Transmission System	Total Premium
<b>Property</b> Limit \$150 million, Limit \$25m BI  Deduct: \$100k all perils \$250k Deduct dams, dikes / \$1m Deduct Canal flood Earthen Dam: Builders Risk	\$947,603	\$381,982	\$113,879	\$1,443,464
<b>General/Products Liability</b> Limit \$1 million Deduct: \$150k	\$145,040	\$12,931	\$2,534	\$160,505
<b>Environmental Impairment Liability</b> Limit \$10 million Deduct: \$100k	\$0	\$0	\$0	\$0
<b>Workers' Compensation</b> Limit \$1 million	\$159,505	\$20,495	\$24,059	\$204,059
<b>Employer Liability</b> Limit \$1 million	Included in Workers' Comp	Included in Workers' Comp	Included in Workers' Comp	Included in Workers' Comp
<b>Umbrella Liability</b> Limit \$23 million	\$454,982	\$40,565	\$7,950	\$503,497
<b>Business Automobile</b> Limit: \$1 million G/L, \$0 pd Deduct: \$50k, G/L	\$58,130	\$8,372	\$2,285	\$68,787
<b>Management Liability</b> Public Officials Liability Cyber Risk Fidelity & Crime Limit \$5 million/\$1million/\$1 million Deduct: \$100k/\$10k/\$50k	\$48,924 \$15,358 \$64,282	\$4,362 \$1,369 \$5,731	\$855 \$268 \$4,035 \$5,158	\$54,141 \$16,995 \$4,035 \$75,171
<b>Travel Accident</b> Limit \$2 million	\$0	\$0	\$0	\$0
<b>Drone Coverage</b>	\$1,056	\$0	\$0	\$1,056
<b>UST</b>	\$3,822	\$0	\$0	\$3,822
<b>TOTAL:</b>	\$1,834,420	\$470,076	\$155,865	\$2,460,361



NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 5 - Recap Of Allocation Of Headquarters General And Administrative Expenses Charged  
To The Manasquan Water Supply System**

Fiscal Year 2025 (7/1/24-6/30/25)

	<b>Total Headquarters Charge</b>	<b>Manasquan Reservoir System</b>	<b>Manasquan WTP/TS</b>
Budgeted-Appendix I, amount to be charged to Manasquan System for FY25 (7/1/24-6/30/25)	\$932,551	\$804,512	\$128,039
F/Y23 Adjustment as per audited Expenditures:			
Budgeted as per rate schedule for F/Y23(7/1/22-6/30/23). Amounts paid during F/Y223to Raritan Basin System.	\$749,000	\$646,000	\$103,000
Actual allocation based upon audited expenditures F/Y23 (7/1/22-6/30/23) - Appendix II	<u>\$749,946</u>	<u>\$646,961</u>	<u>\$102,985</u>
Adjustments F/Y23	<u>\$946</u>	<u>\$961</u>	<u>(\$15)</u>
Net Allocation for F/Y2025 Budget	<u><u>\$933,497</u></u>	<u><u>\$805,473</u></u>	<u><u>\$128,024</u></u>
Estimate	<u>\$933,000</u>	<u>\$805,000</u>	<u>\$128,000</u>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 6 - Proposed Capital Equipment Budget**  
Fiscal Year 2025

	Description	Replacement (R) Addition (A)	Year of Purchase	Dollar Value	Depreciaton Reserve
ENG/FACILITIES	Small Pickup Truck	R (1950)	2005	\$ 40,000	\$ 15,660
	Current Year Pickup with Utility Body	R (2139)		\$ 75,000	\$ 26,368
	Cement Sprayer CS	A		\$ 6,000	
	Confined Space Rescue Equipment (3)	R(1924,1925,1926 )	2004	\$ 30,000	\$ 9,746
GROUNDS	F-250 Utility Pickup with Plow	R (2259)	2015	\$ 75,000	\$ 31,059
	F-250 Utility Pickup with Plow	R (2258)	2015	\$ 75,000	\$ 31,059
	Pontoon Boat Trailer	R (1697)	1999	\$ 7,000	\$ 2,650
	Deckover Power-Tilt Equipment Trailer	A		\$ 17,000	
	Power-Trac Slope Mower w/ Deck	R (2232/2233)	2014	\$ 80,000	\$ 44,535
	Construction Road Plates w/ Lifting Devices (2)	A		\$ 6,000	
	Storage Racks	A		\$ 12,000	
CANAL	Long Arm Excavator	R (1748)	2000	\$ 640,000	\$ 211,132
	Single axle dumptruck	R (1774 & 2284)	2000,	\$ 210,000	\$ 111,350
	Class 2 pickup w/plow (2)	R (2308 & 2213)	2018, 2013	\$ 160,000	\$ 63,563
	Speedloader w/hook container	R (2234)	2014	\$ 420,000	\$ 178,475
AUTO SHOP	Snap-On (Zeus) Diagnostic & Info. System	R (2360)	2019	\$ 12,000	\$ 3,821
IT/HR/WATERSH	ISCO Refrigerated samples with module (watershed)	A		\$ 24,000	
SECURITY					
	Security Vehicle - Small/Midsize pickup	R (2388)	2021	\$ 40,000	\$ 32,228

	TOTAL COST	\$ 1,929,000	\$761,646
	LESS AMOUNT CHARGED TO DEPRECIATION RESERVE	(761,646)	
	NET TOTAL	<u>\$1,167,354</u>	
	LESS AMOUNT CHARGED TO CAPITAL EQUIPMENT RESERVE	(\$800,000)	
	TOTAL	\$367,354	

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 7 - Estimate Of Interest Income For Fiscal Year 2025 Budget**

Fund/Reserve	TD Bank Funds	
Operating	\$ 3,365,000	
Reserve for O & M	3,687,000	
Pumping Reserve	2,100,000	
Self-Insurance Reserve	931,000	
Rate Stabilization Fund	88,000	
Estimated Total	\$10,171,000	
	$\$10,171,000 \times 2.5\% =$	\$ 254,275
	Total	\$ 254,275
	Estimate	\$ 254,300

Note: Long-term investment earnings are being used to fund depreciation reserve.

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 8 - Unanticipated Revenue**

Funds to be appropriated Into the Rate Stabilization Fund for Fiscal Year 2025

	<u>Amount</u>
F/Y2023 Net Year-End Balance	\$640,000
Transfer from SWP fund	\$200,000

<u>Overdrafts</u>	<u>Invoice No.</u>	<u>Billed</u>	<u>Amount</u>
Mt Olive Twp.	R352	Nov-22	\$311
Twp of East Brunswick	R353	Nov-22	\$26,882
NJ American	R354	Nov-22	\$1,048,792
Stonebridge Community Assoc.	R355	Nov-22	\$1,947
Hunterdon County Heron Glen	R356	Nov-22	\$731
Morris County MUA	R357	Nov-22	\$707
Middlesex Water Co	R358	Nov-22	\$13,883
Raritan Valley GC	R359	Nov-22	\$2,365
Ridge at Back Brook	R360	Nov-22	\$1,208
Roxiticus	R361	Nov-22	\$1,258
Somerset County Parks	R362	Nov-22	\$1,540
Trump National GC	R363	Nov-22	\$2,469
Middlesex Water Co	R368	Jan-23	\$17,593
Mt Olive Twp.	R369	Jan-23	\$236
NJ American	R370	Jan-23	\$1,332,149

Total	\$2,452,071
<u>Other Sources of Funds</u>	

Grand Total	<u>\$3,292,071</u>
FY25 Budget	<u>\$3,292,070</u>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 9 - Fund Balances as of 6/30/23**

\*\*Final\*\*

	REVENUE FUND	OPERATING ACCOUNT	OPERATING FUND	O & M RESERVE	LONG-TERM INVESTMENTS O & M RESERVE	TOTAL
BALANCE 6/30/23	\$ 1,418,697	\$ 3,974,029	\$ 4,134,865	\$ 1,209,629	\$ 2,498,969	\$ 13,236,189
Add - Reimbursement from CIP for June outlays						
Deduct: Accrued expenses to be paid as of 6/30/23			(401,707)			(401,707)
Deduct: June 1st billing, received			(1,624,839)			(1,624,839)
Adjusted Balances 6/30/23	\$ 1,418,697	\$ 3,974,029	\$ 2,108,319	\$ 1,209,629	\$ 2,498,969	\$ 11,209,643
 INCOME						
Reimbursement Manasquan						
Receipt of Headquarters Overhead Expenses for 7/10/23			161,500			161,500
Operating transfer	(1,418,697)	(3,974,029)	5,392,726			-
 EXPENSES						
O & M Expenses - (A/P 6/30/23)						
Includes accrued Payroll thru 6/30/23			(339,858)			(339,858)
Capital items to be purchased by 6/30/23			(67,296)			(67,296)
Various Reserve contributions (one month)			-			-
PROJECTED BALANCE AT 6/30/23	\$ -	\$ -	\$ 7,255,391	\$ 1,209,629	\$ 2,498,969	\$ 10,963,989
						Less: O & M reserve balance (3 mos required by resolution)
						(4,009,002)
						Adjusted balance of funds available 6/30/23
						6,954,987
						Use of Available Funds
						Unanticipated revenues (overdrafts in FY23 to be available for appropriation to Rate Stabilization Fund for FY25)
						(1,372,701)
						Rate Stabilization Fund Transfer for FY24
						(1,862,950)
						Projected Net Balance
						\$ 3,719,336

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 10 - Projected Fiscal Year 2025 Operations & Maintenance Component  
and Debt Service Assessment Sales Base**

USER	DAILY ALLOCATION (MGD)	DAYS PER YEAR	TOTAL MG/YR	ANNUALIZED SALES BASE (MGD)
East Brunswick Twp	8.000	365	2,920.000	8.000
NJ American Water Company	126.600	365	46,209.000	126.600
Mercer County Park Commission – Golf	0.132	184	24.300	0.067
Middlesex Water Co.	27.000	365	9,855.000	27.000
New Brunswick, City of	10.500	365	3,832.500	10.500
North Brunswick Twp.	8.000	365	2,920.000	8.000
Princeton University PPL	0.150	365	54.750	0.150
Trenton Country Club	0.126	365	46.000	0.126
Suez Water Lambertville	0.490	365	178.850	0.490
Ridge at Back Brook	0.111	365	40.510	0.111
Roxbury Water Company	0.041	365	15.000	0.041
Royce Brook Golf Club	0.165	365	60.230	0.165
Hunterdon County Golf (Heron Glen)	0.079	365	28.800	0.079
Raritan Valley Country Club	0.012	365	4.380	0.012
East Windsor Municipal Utilities Authority	0.011	365	4.000	0.011
Somerset County Park Commission (Neshanic Valley Golf Club)	0.142	365	51.750	0.142

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 10 (Cont.) - Projected Fiscal Year 2025 Operations & Maintenance Component  
and Debt Service Assessment Sales Base**

USER	DAILY ALLOCATION (MGD)	DAYS PER YEAR	TOTAL MG/YR	ANNUALIZED SALES BASE (MGD)
Lamington Farms LLC (Trump National Golf Club)	0.170	365	62.100	0.170
Morris County Municipal Utilities Authority	0.079	365	28.830	0.079
Mt. Olive Township	0.010	365	3.554	0.010
Washington Township Municipal Utilities Authority	0.035	365	12.775	0.035
Borough of Glen Gardner	0.008	365	2.775	0.008
Roxiticus Golf Club	0.046	365	16.790	0.046
Hamilton Farm Golf Club	0.138	365	50.400	0.138
Springdale Golf Club	0.098	365	35.640	0.098
NJ Department of Corrections	0.025	365	9.250	0.025
Stonebridge Community Assoc.	0.081	365	29.565	0.081
Village Grande @ Bear Creek	0.074	365	27.010	0.074
Eastern Concrete Materials	0.023	365	8.500	0.023
Hunterdon Medical Center	0.031	365	11.000	0.031
Princeton University Operations	0.027	365	9.855	0.027
TOTAL SALES BASE				<b>182.339</b>

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 11 - Operations And Maintenance Rate Component**  
Fiscal Year 2025

Funds Required for FY2025 Budget

Proposed Operating Expense and Capital Budget	\$	17,033,328
Less Miscellaneous Revenues & Interest Income		(\$301,500)
Other Available Funds		<u>(\$3,292,070)</u>
Net Budget Requirement		<u>\$13,439,758</u>
Less: 182.339 x 194.00 x 61Days (Cash received in July and August for water used in May and June based on \$194.00/mg)		(\$2,157,800)
 Additional Revenue required to cover Operations and Maintenance Expense through 6/30/24		 <u>\$11,281,958</u>

Computation of Operations & Maintenance Rate for Fiscal Year 2025

Sales Base		
Period 7/1/24 to 4/30/25 305 days x 182.339 mgd	=	55,613.40 mg
 Required Operations & Maintenance Rate FY2025		
	<u>\$11,281,958 mg</u>	=
	55,613.40 mg	\$203.00 mg



NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 12 - Debt Service Rate Component for NJEIFP Loan Repayment**

Effective July 1, 2024 (FY2025, July 1, 2024-June 30, 2025)

Total due on Principal and Interest \$ 7,318,451 /year

$$\text{Debt Service Rate for NJIB Loan} = \frac{\$7,318,451}{182.339\text{mgd} \times 365 \text{ days}} = \$109.00 /\text{mg}$$

\*This rate may be subject to future adjustments based on actual loan terms.

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM

**Schedule 13 - Capital Improvement Program**  
Fiscal Years 2024-2028

PROJECT	ESTIMATED PROJECT COST	Period First Identified	Priority	Prior Years	\$33	\$33	\$33	\$33	\$45
					FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Rehabilitate Western Embankment Stockton Borough	\$ 4,000,000	2006		\$ 453,683	\$ 1,750,000	\$ 1,796,317			
Rehab Swan Creek Aqueduct New Project Includes Culvert Work	\$ 1,200,000	2015		\$ -			\$ 100,000	\$ 1,100,000	
Dam Improvements as Recommended by TRB (Preliminary Eng'g and Owners)	\$ 2,700,000	2013		\$ 2,478,910	\$ 75,000	\$ 146,090	\$ -		
RV Res Dams-Rehab & Resource Preservation Project (eng only) (bond)	\$ 5,900,000	2015							
Round Valley Dam Improvements - Construction (bond)	\$ 65,000,000	2015							
Construction Eng'g Mgmt for RV Dam Improvements (bond)	\$ 9,000,000	2015							
Electrical Improvements at Round Valley Reservoir (bonded)	\$ 150,000								
Security Improvements at RV Reservoir (Cameras) (Not bonded)	\$ 1,200,000	2016		\$ -	\$ 250,000	\$ 950,000			
Security Improvements at RV and SR (Perimeter hardening) (Not bonded)	\$ 800,000	2017		\$ -	\$ 300,000	\$ 250,000	\$ 150,000	\$ 100,000	
Spruce Run Grouting (bond)	\$ 30,000,000			\$ 327,734					
Spruce Run Spillway Improvements (bond)	\$ 44,000,000								
New 2D Inundation Mapping for Round Valley and Spruce Run Reservoir	\$ 500,000	2015				\$ 250,000	\$ 250,000		
Rehab of 6-Mile Run Culvert	\$ 1,675,183	2008		\$ 292,696	\$ 1,382,487				
Replace Office Phone System - Authority Wide	\$ 80,000	2017		\$ -	\$ 80,000				
Refurbishment of the Main Pumps & Motors 4, 5, 7, & 8 with additional upgrades	\$ 9,000,000	2008		\$ 402,217	\$ 3,000,000	\$ 3,000,000	\$ 2,597,783		
Replace Boilers at Spruce Run Administration Building	\$ 175,000	2018				\$ 75,000	\$ 100,000		
Replace Water Storage Tanks in Spruce Run Administration Building Basement	\$ 100,000	2018			\$ 100,000				
Emergency Generator at Spruce Run Administration Building	\$ 400,000	2019			\$ 200,000	\$ 200,000			
SR Reservoir Multidisciplinary Release Works Improvements & Studies	\$ 4,000,000	2016		\$ 711,065	\$ 1,000,000	\$ 1,500,000	\$ 788,935		
Prallsville pit/spillway gates FEMA	\$ 400,000			\$ 46,906	\$ 353,094				
RV Sluice Gates	\$ 500,000				\$ 500,000				
Wastegate and Lock Evaluation and Repair - D&R Canal	\$ 603,656	2020		\$ 18,065	\$ 100,000	\$ 300,000	\$ 185,591		
7500 KVA Transformer Replacement - SBPS	\$ 5,000,000								\$ 5,000,000
Scudder Falls Wastegate Controls Improvement	\$ 75,000	2019	Med High				\$ 75,000		
Rehab of Upper Canal Embankment - Raven Rock to Prallsville	\$ 6,000,000	2006	Med High	\$ 167,587	\$ 500,000	\$ 3,500,000	\$ 1,812,413		
Rehabilitate Flow Control Gate on Back Race at Lambertville	\$ 150,000	2019	Med High			\$ 75,000	\$ 75,000		
Rehab of Canal Flow Control Structures	\$ 1,500,000	2000	Med High	\$ -	\$ 1,100,000	\$ 250,000	\$ 150,000		
Rehab of Landing Lane Spillway and Rehab Slope Downstream of Island Farm	\$ 1,850,000	2013	Med High	\$ 1,315,278	\$ 534,722				
Repair of Pipe at Whitehead Road	\$ 500,000	2012	Med High				\$ 250,000	\$ 250,000	
Rehabilitation Work at Washington Crossing Spillway	\$ 300,000	2012	Med High				\$ 150,000	\$ 150,000	\$ 150,000
Security System and Upgrades (Clinton and Canal)	\$ 450,000	2003	Med High	\$ 44,760	\$ 100,000	\$ 100,000	\$ 50,000	\$ 50,000	\$ 105,240
Rooftop Hydronic Heater for Auto Shop - Spruce Run Admin.	\$ 50,000	2020	Med High		\$ 50,000				
	\$ 10,825,000								
Alexauken Creek Aqueduct	\$ 1,000,000	2015	Medium					\$ 500,000	\$ 500,000
Rebuild Stone Embankment at the 10 Mile Waste Gate and Rebuild Façade	\$ 200,000	1990	Medium		\$ 100,000	\$ 100,000			
Rehab of Spillway Upstream of Griggstown Lock	\$ -	2010	Medium						
Rehab of Culvert at Station 2550+90 (1 mile upstream of 10-mile)	\$ 700,000	2008	Medium						\$ 700,000
Replace Boiler at Canal Field Office	\$ 150,000	2019	Medium				\$ 150,000		
Replace Underground Heating Oil Tank at South Branch Pumping Station	\$ 300,000	2018	Medium		\$ 150,000	\$ 150,000			
Replace Underground Heating Oil Tank at SR Admin Building	\$ 300,000	2019	Medium		\$ 150,000	\$ 150,000			
Replace Underground Diesel and Gasoline Tanks at Spruce Run Admin Building	\$ 600,000	2019	Medium		\$ 150,000	\$ 450,000			
Spruce Run Administration Building Network Data Closet Construction	\$ 100,000	2019	Medium			\$ 100,000			
	\$ 3,350,000								
Rehab of Traprock Spillway	\$ -	2010	Low						
Dredging between Landing Lane and Route 18 - Engineering	\$ -	2007	Low						
Dredging of Canal Between Lambertville and Route 1	\$ -	2015	Low						
Dredging of Canal Between Arwell Road and 10 Mile	\$ -	2015	Low						
Storage Building at Canal Field Office	\$ 500,000	2019	Low			300,000	200,000		
Spruce Run Administration Building Tie-in to Public Water Supply	\$ -	2018	Low						
Storage Building near Spruce Run Annex	\$ 500,000	2018	Low			300,000	200,000		
Construction Bedload Stone Trap @ Wickecheoke Creek	\$ -	1995	Low						
Cutoff Wall in Shipetaukin Creek Guard Bank	\$ -	2005	Low						
Wickecheoke Creek Gates Abandonment	\$ -	2015	Low						
Rehab of Gold Run Spillway	\$ -	2008	Low						
Carnegie Lake Culverts Investigation / Isolation	\$ -	2015	Low						
Raven Rock Retaining Wall Downcanal of Lock	\$ -	2015	Low						
Refurbishment of the Main Pumps & Motors 3 & 9	\$ -	2015	Low						
Refurbishment of the Main Pumps & Motors 2 & 10	\$ -	2015	Low						
Canal Culvert Rehabilitation 2249+79 (Suydam)	\$ -	2015	Low						
Canal Culvert Rehabilitation 2661+86 (Randolph Brook)	\$ -	2015	Low						
Canal Culvert Rehabilitation 2992+34 (Mile Run Culvert)	\$ -	2015	Low						
Concrete Repairs at the Sullivan Way Aqueduct	\$ -	2007	Low						
Rehab of the Four Mile Spillway	\$ -	2010	Low						
Third Hand Shop Culvert under D&R Canal Cleaning (partially Clogged)	\$ -	2019	Low						
No-Name Culvert Under Canal Sta. 936+50 Outlet Cleaning (Part Clogged)	\$ -	2019	Low						
Pipeline Evaluation - Whitehouse Release Pipeline	\$ -	1990's	Low						
Pipeline Evaluation - RV Force Main	\$ -	1990's	Low						
<b>TOTAL</b>	\$ 47,886,573			6,278,901	11,925,303	14,092,407	6,984,722	2,150,000	6,455,240
Balance CIP				24,800,000	15,070,970	3,174,837	(1,613,612)	(1,567,339)	(5,027,661)

The estimated project costs listed includes engineering, cultural, construction and miscellaneous expenses.  
 Funds in CIP as of June 2022 @ \$19.6M, \$22.6M reimbursement that is due for FY22 work from Ibank \$ 24,800,000  
 Dredging/RV Project Debt Service Component Fund Balance also available for cost overruns in either project.  
 Spruce Run Improvements - An extensive improvement program including grouting and spillway repair is anticipated on an approximate 3-year timeline.

**RARITAN BASIN SYSTEM  
CAPITAL IMPROVEMENT PROGRAM  
Fiscal Years 2024 – 2028  
Updated – September 2023**

The following is a description of projects that the Authority anticipates being funded from the Capital Improvement Program (CIP) in Fiscal Years 2024-2028. Discussion also includes projects that may be delayed beyond FY 2028 due to funding.

<b>PROJECT</b>
Rehabilitate Western Embankment Stockton Borough
Rehab Swan Creek Aqueduct New Project Includes Culvert Work
Dam Improvements as Recommended by TRB (Preliminary Eng'g and Owner's Eng'r)
RV Res Dams-Rehab & Resource Preservation Project (eng only) (bond)
Round Valley Dam Improvements - Construction (bond)
Construction Eng'g Mgmt for RV Dam Improvements (bond)
Electrical Improvements at Round Valley Reservoir (bonded)
Security Improvements at RV Reservoir (Cameras) (Not bonded)
Security Improvements at RV and SR (Perimeter hardening) (Not bonded)
Background Screening of Contractors and Consultants (Not bonded)
Spruce Run Grouting (bond)
Spruce Run Spillway Improvements (bond)
New 2D Inundation Mapping for Round Valley and Spruce Run Reservoir
Rehab of 6-Mile Run Culvert
Replace Fuel Dispenser and Software/inventory System at Spruce Run Adm.
Replace Office Phone System - Authority Wide
Refurbishment of the Main Pumps & Motors 4, 5, 7, & 8 with additional upgrades (bond)
Replace Boilers at Spruce Run Administration Building
Replace Water Storage Tanks in Spruce Run Administration Building Basement
Emergency Generator at Spruce Run Administration Building
SR Reservoir Multidisciplinary Release Works Improvements & Studies
Prallsville pit/spillway gates FEMA
RV Sluice Gates
Wastegate and Lock Evaluation and Repair - D&R Canal

Scudder Falls Wastegate Controls Improvement
Rehab of Upper Canal Embankment - Raven Rock to Prallsville
Rehabilitate Flow Control Gate on Back Race at Lambertville
Rehab of Canal Flow Control Structures
Rehab of Landing Lane Spillway and Rehab Slope Downstream of Island Farm Weir
Repair of Pipe at Whitehead Road
Rehabilitation Work at Washington Crossing Spillway
Security System and Upgrades (Clinton and Canal)
Rooftop Hydronic Heater for Auto Shop - Spruce Run Admin.
Alexauken Creek Aqueduct
Rebuild Stone Embankment at the 10 Mile Waste Gate and Rebuild Façade
Rehab of Spillway Upstream of Griggstown Lock
Rehab of Culvert at Station 2550+90 (1 mile upstream of 10-mile)
Replace Boiler at Canal Field Office
Replace Underground Heating Oil Tank at South Branch Pumping Station
Replace Underground Heating Oil Tank at SR Admin Building
Replace Underground Diesel and Gasoline Tanks at Spruce Run Admin Building
Spruce Run Administration Building Network Data Closet Construction
Rehab of Traprock Spillway
Dredging between Landing Lane and Route 18 - Engineering
Dredging of Canal Between Lambertville and Route 1
Dredging of Canal Between Amwell Road and 10 Mile
Storage Building at Canal Field Office
Spruce Run Administration Building Tie-in to Public Water Supply
Storage Building near Spruce Run Annex
Construction Bedload Stone Trap @ Wickecheoke Creek
Cutoff Wall in Shipetaukin Creek Guard Bank
Wickecheoke Creek Gates Abandonment
Rehab of Gold Run Spillway
Carnegie Lake Culverts Investigation / Isolation
Raven Rock Retaining Wall Downcanal of Lock

Refurbishment of the Main Pumps & Motors 3 & 9
Refurbishment of the Main Pumps & Motors 2 & 10
Canal Culvert Rehabilitation 2249+79 (Suydam)
Canal Culvert Rehabilitation 2661+86 (Randolph Brook)
Canal Culvert Rehabilitation 2992+34 (Mile Run Culvert)
Concrete Repairs at the Sullivan Way Aqueduct
Rehab of the Four Mile Spillway
Third Hand Shop Culvert under D&R Canal Cleaning (partially Clogged)
No-Name Culvert Under Canal Sta. 936+50 Outlet Cleaning (Part Clogged)
Pipeline Evaluation - Whitehouse Release Pipeline
Pipeline Evaluation - RV Force Main

### **Rehabilitation of the Canal Western Embankment, Stockton Borough**

The one-mile long reach of the Western Embankment between the Prallsville Lock at Station 155+00 and the railroad bridge crossing over the Canal at Station 205+00 is a narrow embankment that separates the Canal from the Delaware River. During extreme flooding events, the embankment is threatened by the elevated floodwaters from the Delaware River. It was overtopped during separate major storm events in 2005 and 2006 when the embankment breached into the Canal. In 2011, Tropical Storms Irene and Lee caused severe flooding of the Delaware River. While the embankment did not breach, more than 1,000 linear feet of the embankment experienced slope failure on the Canal side due to the saturation of the embankment from the river, and significant amounts of soils slid into the Canal. These slides compromised the cross-sectional area of the embankment, temporarily reducing the ability for the embankment to resist breaches.

Emergency actions were taken to prevent a breach of the embankment following the storms in 2011. These emergency actions included placement of fill material onto the embankment with varying levels of compaction. The fill material had to be installed via conveyor belt from the opposite side of the Canal due to the unsafe nature of the embankment. While a breach was prevented, additional long-term repairs are required to reinforce the repaired areas. This earthen embankment is generally comprised of medium dense to very loose, brown silty or clayey sand with varying amounts of gravel, which can be susceptible to slope failure from saturation and/or erosion during major flooding events, which can ultimately lead to breaching. Stability improvements are being considered to increase the factor of safety against slope failure; failure by piping through seepage when the river approaches the top of the embankment; and failure by erosion caused by overtopping of the entire embankment.

A professional engineering services contract was awarded in March 2014 to a team led by TranSystems. Hunter Research was selected as the Cultural Resource consultant for the project. A Schematic Design report was prepared in September 2017. Analysis of repair alternates led the Authority to select a design that included restoration of all Canal side slopes affected by the

2011 tropical storms; regrading of the embankment's crest to eliminate depressions that allow concentrated flow during flooding events; rehabilitation of the Delaware River dry-laid stone armoring at the embankment areas damaged by the 2011 storms; and a compaction grouting program for approximately 740 linear feet of embankment that should improve the soil's density and permeability parameters as well as the embankment's overall stability. Subsequent research concerning the potential risks of compaction grouting for narrow earthen embankments led the Authority engineering team to conclude that compaction grouting should be discarded as an option. Currently, the Authority's engineering team is working with the consultant to develop alternatives to compaction grouting. The Authority decided to break the project into two phases. Phase one will include restoring a uniform embankment crest, removing temporary repairs, stabilizing the Canal-side slope and repairing damaged dry-laid stone armoring. Phase two will consist of any structural embankment improvements that are needed. Construction of Phase 1 improvements began in August 2023 and is expected to be completed in FY24.

### **Rehabilitation of the Swan Creek Aqueduct & Culvert**

The Swan Creek Aqueduct and Culvert are located at approximate Station 363+00 on the Canal in the City of Lambertville, Hunterdon County. The aqueduct structure was erected to carry the Canal over Swan Creek, with the secondary function of a spillway for the Canal. An adjacent culvert also contributes to the conveyance of Swan Creek under the Canal, the multi-use trail, and the former Belvidere-Delaware Railroad. The Swan Creek Aqueduct is a concrete and masonry structure that was partially rehabilitated in 1989 when waste gates were replaced, some of the masonry was reconstructed, and some of the existing concrete was repaired with shotcrete.

Repairs were made to the aqueduct in 2006 following major flooding events on the Delaware River. Significant leakage occurred through the masonry wall on the southeast part of the structure where Swan Creek enters the opening under the aqueduct. A contractor was hired on an emergency basis to pump pressure grout behind the wall where a sinkhole had formed as a result of the seepage. The seepage was slowed significantly by the injection of the grout, although it did not stop completely.

A jet grout seepage cutoff wall was constructed in April 2009 to eliminate seepage through the wingwall. Most of the seepage was stopped with the jet grout seepage cutoff wall. An additional phase of repairs was conducted in 2014, which included rehabilitation of masonry and concrete and replacement of the bent stem for one of the two waste gates.

The scope of work for the 2014 repair project was reduced during construction due to dewatering issues and safety concerns of the contractor. The corrugated metal liner in the north culvert showed signs of being corroded, limiting the amount of work which could be conducted in the culvert.

A Scope of Services will be developed to retain a consulting engineer to design a new structural liner to guard against further deterioration and concrete spalling. The design engineer will have to address all of the concerns noted during the 2014 construction, as well as consider design options for the culvert rehabilitation and reinforcement that will not significantly reduce the flow rate capacities of the culverts.

## **Round Valley Reservoir Dams-Rehabilitation & Resource Preservation Project – Earthen Dam Rehabilitation and Ancillary Work**

Preliminary Engineering and Owner’s Engineer

Design Improvements to Round Valley Dams - Engineer of Record – Design Engineering Only

Earthen Dam Rehabilitation and Ancillary Work (Improvements to Round Valley Dams) – Construction (Bond)

Construction Engineering Management for Design Improvements to Round Valley Dams (Bond)

Dam Abutment Grouting (Round Valley North and South Dams) (Bond)

Sediment Relocation (Dredging) for Maintenance of the South Tower Intake Channel (Dredging) (Bond)

Round Valley Reservoir Electrical Services Upgrades

Round Valley Security Improvements (Cameras)

Background Screening of Contractors and Consultants

In connection with the 2013 Formal Dam Inspection, the Authority convened a Technical Review Board (TRB) in April-May 2014 comprised of experts in the fields of dam construction on limestone formations, evaluation of critical dam construction features, and geology related to dam construction. This was the first TRB that was assembled to review information about the construction and operation of the Round Valley (RV) Reservoir and the first one in 20 years to look at operations data at Spruce Run (SR) Reservoir. The SR and RV Dams were constructed in the 1960s. The TRB recommended additional information gathering of the construction plans and records for the RV dams, and the installation of piezometers at the three embankments at RV Reservoir. The TRB also recommended installation of additional piezometers at SR Dam. The TRB recommended that the side scan sonar, previously conducted in the mid-1980s at the SR Reservoir, be repeated and that the drainage pipes at the toe of the SR Dam be visually inspected by remotely operated cameras. The TRB also recommended that a follow-up to the first TRB be performed for RV and SR.

The 2013 contract with Gannett Fleming, the engineering consultant for the Formal Dam Inspection, was amended to oversee the performance of the above noted work, including but not limited to, subcontracting the specialty drillers for the installation of the piezometers at all four dams, subcontracting for the performance of the side scan sonar, and overseeing the follow-up TRB meetings for RV and SR.

In preparation for the follow-up RV TRB, Authority staff was tasked with compiling and digitizing all available records of the RV embankments. A searchable database was constructed to assist Authority staff, the TRB, the Owner’s Engineer, and the Engineer of Record eventually chosen for the rehabilitation work at RV in their analysis of all available data pertaining to the construction and maintenance of the embankments. The first RV TRB took place in July 2015 and was specifically slated to conduct a Potential Failure Mode Analysis (PFMA) on the three

RV Embankments (RV South, RV North, and RV Dike). In its report on the PFMA, the TRB recommended that the Authority “begin budgeting, engineering, and planning for the required modifications” to RV.

At that time, it was anticipated that construction would be large in scale and include the following, at a minimum:

- Foundation rock grouting, particularly at the embankments/abutments to mitigate potential sources of seepage;
- Installation of a new blanket drain system on the downstream slopes of all three embankments at Round Valley to filter the existing seepage;
- Installation of new toe drains to filter, collect, and convey embankment and foundation seepage safely away from the structures; and
- Installation of additional fill to flatten the downstream slopes to increase the stability factor of safety.

Schnabel Engineering was procured to act as the Engineer of Record to investigate, plan, design, and provide full time construction management services for the above noted efforts. Gannett Fleming was procured to provide further engineering and consulting services during design and construction in the role of Owner’s Engineer. While Schnabel Engineering will act as the Engineer of Record, Gannett Fleming will continue to provide advice and consultation to Authority staff during this very important project.

Schnabel Engineering completed the design plans, specifications, and permitting for the project. The following represents a summary of the tasks that comprise part of the design:

- Dredging of the Round Valley South Tower Intake Channel (detailed below);
- Security improvements at RV Reservoir (detailed below);
- Consider alternatives to rehabilitate the hydraulic valve on the Round Valley South Dam (detailed below);
- Remove and replace ten-inch cast iron pipe that connects the RV Force Main to the RV South Vault (detailed below);
- Repairs to the Round Valley building structures (towers and vaults, detailed below);
- Installation of a new blanket drain system on the downstream slopes of all three embankments at Round Valley to filter the existing seepage;



- Installation of new toe drains to filter, collect, and convey embankment and foundation seepage safely away from the structures;
- Electrical service improvements to the three embankments at RV Reservoir (detailed below);
- Grouting of the abutments at the North and South Dams.

It is noted that, with the exception of the security improvements, which will be financed from the CIP, long-term bond funding has been obtained from the New Jersey Infrastructure Bank (NJIB). Once the funding limit of the NJIB bond funding is reached, additional funds needed to meet project costs will be drawn from a designated debt service fund. The project is intended to be phased with the abutment grouting, intake channel dredging, and electrical improvements to be implemented prior to the large-scale work on the embankments, which will incorporate all of the remaining noted scope items. The security improvements are scheduled to be constructed after the large-scale embankment work.

#### **Round Valley North and South Dam Abutment Grouting (Construction Completed in FY20)**

Following an initial recommendation from the TRB, the Engineer of Record reviewed all of the grouting records associated with the original construction. The Engineer of Record recommended grouting of the abutments at the North and South Dam. The abutments are the edges of the dam where the constructed embankment meets the existing valley slope. Review of the original grouting records suggested that the grouting was terminated before it reached the end of the abutments. The grouting in this project was accomplished by drilling through the overburden soils and into the bedrock below. Cementitious grout was then pumped under pressure into the bedrock to fill existing cracks or voids that may be present. This project was completed in FY20.

This project was bid out separately from the other RV projects so that it could be completed ahead of the large-scale embankment modifications. Since this project was financed through NJIB bonding, funding is not included in the CIP budget.

#### **Dredging Intake Channel to Round Valley South Dam Tower (Construction completed in FY20)**

When the Round Valley Reservoir was originally constructed, a channel was blasted and excavated from the rock leading into the reservoir side of the Round Valley South Dam Tower. Over more than 50 years of pumping from the river, the constructed channel filled with sediment. As part of the large-scale Round Valley Rehabilitation & Resource Preservation Project, the consultants were asked to prepare design plans to remove the significant volume of sediment from the channel.

The investigation and design for this project is included in the scope for the Engineer of Record on the Round Valley Reservoir Dams-Rehabilitation & Resource Preservation Project. The

chosen design called for relocation of the sediment to the deepest parts of the reservoir. The project was bid, awarded, constructed, and completed in the winter of 2019/2020 (FY20).

This project was bid out separately from the other RV projects so that it could be completed ahead of the large-scale embankment modifications. Since this project was financed through NJIB bonding, funding is not included in the CIP budget.

### **Round Valley Reservoir Electrical Service Upgrades (Construction completed in FY21)**

The Earthen Dam Rehabilitation and Ancillary Work (detailed below) project required the installation of a dewatering pump system at the toe of each embankment. Such a system requires the use of significant electricity. In advance of the large-scale project, the Authority made upgrades to the existing electrical service at the North Dam and South Dam and installed electrical service at the Dike. These services were sized appropriately for the dewatering system at each embankment and future improvements to the structures, including security upgrades and electric actuators. This project also included upgraded electric panels at each vault, generator transfer switches at each vault, and internet service installation at the Dike (for security improvements). This work was financed through NJIB bonding, so funding is not included in the CIP budget, and was completed in fall 2020 (FY21).

### **Earthen Dam Rehabilitation and Ancillary Work (One Construction Contract):**

#### **Embankment Modifications**

The goal of the embankment modifications, as stated above, is to install a new blanket drain system on the downstream slopes of all three embankments at Round Valley to filter the existing seepage. Further, the existing seepage will be collected in new toe drains, monitored, and conveyed safely away from the structures.

Final design plans and technical specifications and permitting are complete. The scope of the design was discussed and vetted at a meeting that included the Engineer of Record, members of Authority staff, representatives of the NJDEP Bureau of Dam Safety, the Authority's Technical Review Board (TRB), and the Owner's Engineer. The design included excavation into each dam while maintaining a specific slope acceptable to the Engineer of Record and the TRB. The soils removed from the embankments are being stockpiled at or near each dam site. Once the excavations have reached a certain depth, sand and gravel filtering drains are being installed across the entire exposed downstream slope. In order to maintain a crest width sufficient for construction operations, the crests of the North and South dams were temporarily lowered. The maximum allowable reservoir pool elevation during the project will be elevation 360 feet, or 25 feet below normal pool.

At each embankment, the major excavation work is being preceded by the installation of dewatering wells and piezometers. The dewatering wells act to lower the phreatic line (groundwater levels) in the embankments. The new piezometers determine the effectiveness of the dewatering wells, which were proved prior to excavation into the embankments.

This project (Earthen Dam Rehabilitation & Ancillary Work) was bid in the fall of 2019 and awarded to a contractor with a notice to proceed in January of 2020. Construction was initiated shortly thereafter. The embankment work is phased with the Dike being constructed first, followed by the North Dam, and then the South Dam. The project is scheduled to continue through the first quarter of FY25. This work will be paid for through a separate application for bonding. Since it will be bonded, funding is not included in the CIP budget. Once the funding limit of the NJIB bond funding is reached, additional funds needed to meet project costs will be drawn from a designated debt service fund.

### Round Valley Ancillary Work

#### Rehabilitate Hydraulic Valve on RV South Dam Low-Level Release

The existing RV low-level release valve was last rehabilitated in 1992 when a hydraulic valve actuator and hydraulic control system were installed at the Round Valley South Tower. This hydraulic system, with hoses reaching down to 180 feet below the water surface to the low-level release valve, replaced the out-of-service, original control system. The hydraulic valve installed in 1992 is no longer functional and required rehabilitation.

The investigation and design for this project is included in the scope for the Engineer of Record on the Round Valley Reservoir Dams-Rehabilitation & Resource Preservation Project. After inspection of the system and a report of proposed alternatives, the alternative selected was the complete abandonment of the low-level release pipeline. Abandonment was accomplished by filling the pipeline with grout. The hydraulic lines to the underwater actuator were also removed. This work is included in the contract for the Earthen Dam Rehabilitation and Ancillary Work contract and paid for through the above noted bonding. Since it is being bonded, funding is not included in the CIP budget. This portion of the ancillary work was completed in FY22.

#### Rehabilitation of Ten-inch Cast Iron Pipe Connecting RV-S Dam Vault to Force Main

The existing ten-inch cast iron pipe connecting the 108-inch RV Force Main to the RV South Dam Vault was installed as part of the original construction of the Force Main. Through the use of dye testing, Authority staff confirmed that an underground leak exists somewhere in this ten-inch cast iron pipe, likely adjacent to the vault. This pipe was installed underground with flanged connections which are prone to leak in buried applications. The alternative selected for the repair is to replace the pipe by direct burial.

The investigation and design for this project is included in the scope for the Engineer of Record on the Round Valley Reservoir Dams-Rehabilitation & Resource Preservation Project. This work is included in the contract for the Earthen Dam Rehabilitation and Ancillary Work contract and paid for through the above noted bonding. Since it is being bonded, funding is not included in the CIP budget. Once the funding limit of the NJIB bond funding is reached, additional funds needed to meet project costs will be drawn from a designated debt service fund.

### Repairs to Round Valley Reservoir Building Structures (Towers and Vaults)

The building structures (towers and vaults) at the Round Valley Reservoir are in need of maintenance. Authority staff believed it was prudent to take advantage of the potential lowered reservoir condition to make repairs to the reservoir building structures, including the underwater portions of the towers.

The Engineer of Record has already made inspections, including underwater portions, of the two towers in the Round Valley Reservoir. The work on the towers will include, but not necessarily be limited to, repairs to the sluice gates, roof replacements, access ladder replacements, and replacement of the existing cranes. This project also includes the purchase of an emergency portable generator to be used with the transfer switches being installed at each vault as part of the Round Valley Reservoir Electrical Upgrades project.

This work is included in the contract for the Earthen Dam Rehabilitation and Ancillary Work contract and paid for through the above noted bonding. Since it is being bonded, funding is not included in the CIP budget. Once the funding limit of the NJIB bond funding is reached, additional funds needed to meet project costs will be drawn from a designated debt service fund.

### Security Improvements at RV Reservoir - Cameras

Staff has identified potential improvements to existing cameras and has recommended the addition of new cameras as the most prudent means of enhancement. The investigation and design for this project is included in the scope for the Engineer of Record on the Round Valley Reservoir Dams-Rehabilitation & Resource Preservation Project. This work is expected to begin in FY25 after the conclusion of the large-scale embankment modifications. It is anticipated that this work will be paid for from the CIP budget.

### Security Improvements RV and SR Perimeter Hardening

Additional security improvements are considered for the RV and SR embankments on a continual basis. Furtherance of the existing perimeter hardening is being considered as part of the next improvements to the existing security. It is anticipated that this work will be paid for from the CIP budget. The work will be completed as part of multiple projects over the next several years, with the earliest improvements expected to take place in FY24.

### Spruce Run Dam Foundation Grouting Program

Construction of the Spruce Run Dam in the early 1960s faced a significant engineering challenge: the bedrock intended as the dam's foundation was comprised of the Kittatinny Limestone formation. Limestone is a soluble carbonate rock which gradually dissolves in the presence of even the weakest acids. Over years of chemical weathering by groundwater, limestone formations characteristically develop extensive networks of solution channels, caverns, and voids.

The dam designers needed to find a way to fill the fractures and cavities to create a suitable foundation for the earthen embankment. After various studies and explorations, the designers developed a grouting program which added strength and minimized seepage through the dam's foundation. The program consisted of installing a 100-foot-deep grout curtain along the dam's alignment as well as conducting shallow blanket grouting over the worst cavernous zones.

For the last 60+ years, the Spruce Run Dam's original grout curtain has largely performed as intended. However, one of the challenges with grouting in limestone formations is that the rock's voids and fissures are often filled with native soil material, which is not usually displaced by the pressure-injected grout. As time passes, this soil infill can be flushed out by groundwater, leaving voids behind.

Authority staff has monitored this condition since the 1980's using instrumentation located in the dam embankment and foundation. In the 1990's the Authority convened a Technical Review Board (TRB) to analyze foundation conditions and make recommendations. In 2014, on the basis of observed trends in the instrumentation, the Authority retained the services of a TRB consisting of three highly qualified experts in treating dam foundation seepage. Since 2014, the TRB has met on numerous occasions and most recently in June 2022. The TRB also reviews instrumentation data several times a year. In September 2021, the TRB concluded that the instrumentation suggests that the existing grout curtain continues to slowly deteriorate and that the condition has progressed to a point that it would be prudent to initiate plans for a remedial grouting program.

Following the TRB recommendation, the Authority issued a Request for Proposals (RFP) in spring 2022 for professional engineering services for the project. A design contract was awarded in December 2022. Construction is expected to begin in the first quarter of 2024 and the work will take up to two years. It is anticipated that both the design and construction of this project will be financed through NJIB bonding. As such, funding is not included in the CIP budget.

### **Spruce Run Spillway Improvements**

As part of the Spruce Run Reservoir multidisciplinary engineering project, the consultant was tasked with evaluating the spillway design flood (SDF) and the existing spillway capacity.

The SDF represents the runoff resulting from the Probable Maximum Precipitation (PMP). The PMP is the regulatory design basis for large dams in New Jersey. Preliminary analysis utilizing the current PMP indicates the spillway is undersized for this extreme weather event (approximately 34 inches of rain in 24 hours). The NJDEP is currently re-evaluating the PMP using state-of-the-art analyses. Based on similar re-evaluations performed by neighboring states, it is expected that the PMP values may change modestly, but it is likely that the resulting SDF will still exceed the existing capacity of the spillway. As such, the spillway will require modification to increase its capacity to pass the SDF. The consultant is expected to use the updated PMP being generated by NJDEP to finalize the analysis of the Spruce Run spillway capacity in FY23. The Authority expects to then procure professional services for investigation, design, and construction management of any necessary spillway modifications in FY24-25. Construction of improvements will follow in FY26. It is anticipated that construction of the

improvements will be funded via NJIB bonding. As such, funding is not included in the CIP budget.

### **New 2-dimensional (2-D) Inundation Mapping for Round Valley and Spruce Run Reservoir**

In 2014 and 2015, the Authority upgraded all of the inundation mapping (attachments to the Emergency Action Plan) for all four of the high hazard dams at the Spruce Run and Round Valley Reservoir Complex in Clinton. This mapping upgrade was done by taking the old inundation model's one dimensional (1-D) data that was originally drawn onto high scale USGS mapping and transferring it into a GIS overlay of modern aerial images. This work produced maps that were significantly more detailed than the previous mapping and showed the location of residential and commercial structures that may be affected by flooding during a dam emergency.

The drawback regarding these upgraded maps is that the inundation areas are still dependent upon the 1-D computational data from 1980. The 1-D mapping is based on empirical calculations using cross-sections taken at large intervals along the rivers. Authority staff believes that it is prudent to invest in a new study where computers model the flows based on 2-D topographic squares in the flood zones. The degree of accuracy of this method far surpasses the existing 1980 1-D studies. Modern deliverables may also include animations as well as color coded mapping layers depicting depth of water in any particular area in a time-sequenced video. It is also possible to better simulate the effect of tidal fluctuations on the inundation area, which was not possible to analyze at the time of the initial models. This work will begin after the ongoing dam rehabilitation work at Round Valley is complete so that the modeling correctly represents the final configuration of the dams.

### **Rehabilitation of the Six-Mile Run Culvert**

The Six-Mile Run Culvert is a three-barrel historic stone arched culvert that carries the Six-Mile Run under Canal Road, the Canal, and the multi-use trail. The culvert was rehabilitated in the mid-1980s. Stone-faced concrete headwalls were constructed at the inlet and outlet ends of the barrels and minor stone repair was performed inside the culvert barrels. A portion of the stone facing on the downstream headwall dislodged from the concrete substructure during the winter of 2005-2006.

It is noted that the Township of Franklin maintains the road above the culvert. The culvert is considered a bridge by the NJDOT, and thus, biannual inspections are performed by an engineering consultant. Inspection reports are forwarded to the County of Somerset, Township of Franklin, and the Authority.

In March 2018, a sinkhole formed in the roadway above the structure, requiring emergency repairs. The emergency repairs were performed by a consultant and contractor procured by the Authority. This sinkhole suggested that the movement of soils above the stone arches that form the culvert is occurring. The emergency repairs were considered to be temporary. Inspections of the upstream interior of the culvert, located directly beneath Canal Road, have confirmed missing stones and movement of soil.

Additional temporary repairs were performed in the spring of 2019 to limit the loss of stonework in the interior of the culvert by filling with a lightweight concrete. At this time, another sinkhole formed that required filling with lightweight concrete.

An additional sinkhole formed in the same area of the culvert in the summer of 2021, requiring immediate repairs. This sinkhole was filled with concrete as a temporary measure until the large-scale rehabilitation can take place.

Engineering services have been procured to design the culvert rehabilitation, and the project is currently in the design and permitting phase. The project will address any structural deficiencies found in the structure to provide for a long term rehabilitation. The temporary repairs will be removed and replaced with appropriate historical aesthetics of the stonework. Further, the collapsed stone façade on the downstream headwall will be replaced. The consultant was tasked with designing plans to clean and inspect the culvert, which were bid in FY20. The bids were ultimately determined to not be feasible, and other options for inspecting the culvert, including dye testing, were initiated. Engineering design was completed and a construction contract was awarded in FY23. Construction is expected to be completed in 2023.

#### **Replace Office Telephone System Authority-Wide**

The Authority telephone system was purchased in 2007 with a serviceable life expectancy of ten years, based on history and the manufacturer's and installer's recommendations. In 2013, the Spruce Run Administration Building phone system was replaced due to a lightning strike. At that time, the service company stated that if the Authority replaced in-kind, it would be installing old technology and repair and replacement parts would be limited. All of the Authority systems are currently operating in analog mode and current technology is digital. By proactively upgrading the technology, the Authority will gain additional capabilities including voicemail to email; extension dialing between Authority locations; teleconferencing and videoconferencing within the system and dedicated teleconference and videoconference units for each location that will be standardized; and digital recording capability on phones and conference phones.

Facilities personnel will also be able to access and service all systems from one location. Upgrading the systems would necessitate the replacement of all components, including handsets, door phones, and conference phones. Additional and replacement wiring and switching will also be required. Phone system replacement is anticipated for FY24. Investigation is ongoing to ensure there is a redundant communications system in the event of an emergency.

### **Refurbishment of Main Pumps and Motors No. 4, 5, 7, & 8 with Additional Upgrades at the South Branch Pumping Station**

The Authority's South Branch Pumping Station (SBPS) is located in Clinton Township. The primary purpose of the SBPS is to pump up to 350 million gallons per day (MGD) of raw water from the South Branch of the Raritan River to the Round Valley Reservoir as needed to replace depleted storage. The water transfer is accomplished using ten horizontal, centrifugal pumps with 2,000 horsepower motors. Maintenance of the pumps is essential to operations at the SBPS.

The SBPS was built in 1965. In 2009, the Authority procured an engineering consultant to provide professional engineering services to prepare an Asset Management Plan (AMP) for the SBPS, which was completed in 2011. The AMP included inspection, testing, and conditions assessment for major mechanical and electrical systems and identified a need for renewal and replacement of some mechanical and electrical components. Following recommendations of the AMP, the Authority proceeded to retrofit several of the major mechanical and electrical equipment systems. The Authority recently refurbished two of the ten pumps, numbers 1 and 6, as part of a trial and a phased approach to rehabilitate all of the ten pumps, motors, suction piping, and baseplate assemblies. The two refurbished pumps were placed back into service in 2016.

This project represents the second phase of the rehabilitation. An engineering consultant is currently investigating and designing the rehabilitation of four additional pumps, motors, and mountings in the north and south bays of the SBPS, listed as pump Nos. 4, 5, 7, and 8. The project will include fabrication and installation of new baseplates to address alignment issues. It is expected that the consultant will perform an investigation to identify appropriate rehabilitation items, secure needed permits and approvals, and prepare the construction plans and specifications that are necessary to bid the project.

Other miscellaneous pump station system upgrades, including electrical and control upgrades, are anticipated to be addressed in this project as well. These include alarm sensors and systems replacement, computerized monitoring of pump performance, control room improvements, safety upgrades, HVAC upgrades, pump cooling systems, traveling water screen replacements, asset management plan update, force main hydraulic model study, and VFD drive unit study. The replacement of the Force Main surge tank roof and Whitehouse Release structure roof are being incorporated into this project as well. This project will be comprised of multiple construction projects over the next several years, with the pump rehabilitations occurring first.

The rehabilitation of the four pump and motor assemblies is currently underway with completion expected in FY25. The remaining components of this project will be implemented in FY24-FY26.

### **Replace Boilers at Spruce Run Administration Building**

The four oil-fired boilers in the basement of the Spruce Run Administration Building are nearing the end of their service life and require replacement. These boilers provide the main source of heat for most of the original portion of the Administration Building, although there are currently



multiple independent systems elsewhere in the building that provide additional heating. This project requires HVAC engineering analysis, design, and construction code permitting work. The engineer would be tasked with determining the best HVAC solution to replace the four boilers. Possibilities include modern high efficiency boilers, oil fired boilers, natural gas boilers (requiring external gas line extensions), or installation of a system of boilers which could utilize both options. The project would also include the replacement of the hot water heater.

### **Replace Water Storage Tanks in Spruce Run Administration Building Basement**

The two water storage tanks in the Spruce Run Administration Building basement are nearing the end of their service life and need replacement. The tanks act as a buffer/storage for the well water that is pumped from the Administration building's well. This design and construction project will be implemented in FY24.

### **Emergency Generator at Spruce Run Administration Building**

The Spruce Run Administration Building's emergency power service is dependent on the operation of a generator that is nearing the end of its service life. The existing generator is in the basement and uses fuel supplied by the building's heating oil underground storage tank. The Authority expects this generator will be replaced with an outdoor unit powered by a cleaner fuel such as propane or natural gas. The project may also involve testing/upgrades or replacement of existing electrical panels and transfer switches. An engineer will be procured who will investigate alternative fuel options, design necessary elements, and acquire all required permits.

### **Multidisciplinary engineering project for structures rehabilitation in connection with the Spruce Run reservoir outlet works**

Authority staff has procured a consultant to provide professional engineering services for all of the tasks described below as A through J. The tasks will manifest as more than one construction project.

#### **A. Rehabilitation of the Spruce Run Flow Measuring Weir**

The Spruce Run Flow Measuring Weir is a reinforced concrete structure that crosses the Spruce Run downstream of the Spruce Run Reservoir and upstream from the confluence with the South Branch of the Raritan River. The weir was constructed in the early 1960s with the rest of Spruce Run Dam to provide a pool that functions as a stilling basin for the primary spillway. The adjoining USGS gauging station on the west bank of the weir measures the total flow of water that is discharging from Spruce Run, including releases through the pipelines and/or overflow at the spillway. Authority staff has been making "patchwork" repairs to the weir over the past decade. However, the concrete structure is deteriorated and spalling or cracking surfaces must be routinely repaired. The consulting engineer has inspected and evaluated the weir and will design repairs, potentially including a bypass sluice gate. It is noted that the structure meets the definition of a dam, and the New Jersey Bureau of Dam Safety has classified the structure as a Class III – Low Hazard dam.

Design plans and specifications are planned for FY24, and construction will likely proceed in FY25.

B. Spruce Run Primary Overflow Spillway Rehabilitation

The primary spillway is a 550-foot long, five-foot high, reinforced concrete ogee overflow weir located at the west abutment of the dam with a crest at elevation 273.0, which is the normal full operating pool level of the reservoir. In plan, the spillway is a circular arc oriented generally north-south. The spillway was constructed in the early 1960s with the rest of the dam. The spillway was rehabilitated in 1987 to repair longitudinal surface cracks, surface spalling, and transverse joint deterioration along the downstream face. As deterioration of the concrete surface of the spillway continued, including spalling and horizontal cracking, a second rehabilitation was done in the fall of 2004. The rehabilitation work consisted of removing deteriorated concrete from the spillway weir and abutment wall surfaces and applying gunite to all prepared surfaces. Over time, mild spalling and cracking were observed in the fiber reinforced, gunite overlay. During a recent inspection in March of 2019, more significant concrete/gunite damage was observed at the toe of the ogee. Also, some spalling and cracking has been observed at the bottom of the ogee spillway's abutment walls. The consulting engineer investigated the concrete structure at the end of 2019 and suggested that a cementitious repair could be done, but it would not necessarily improve the structural integrity of the ogee structure. Therefore, limited temporary repairs will be performed by Authority staff, while a more comprehensive rehabilitation is planned after completion of hydrologic and hydraulic analysis for the dam and spillway, which are currently underway.

C. Clearing of Spruce Run Spillway Discharge Channel

The Spruce Run Spillway was cut into the bedrock as part of the original Spruce Run Dam construction. Woody vegetation and trees have grown within the channel bottom and side slopes because the spillway often has low flows or does not flow for long stretches of time and accessibility is difficult. Clearing will enable better observation of existing springs and seeps located within the channel bedrock that may be related to the performance of the dam. Clearing of the spillway is also important in order to allow adequate flow of water during significant spillway flows. As a result, the consultant prepared plans, specifications, and obtained permits to restore the channel to original condition by clearing trees and woody vegetation within 14 acres of the discharge channel. This work was completed in FY23

D. Replace Fixed Cone Valves at Spruce Run Vault

The Spruce Run Reservoir Vault is fitted with two 30-inch fixed cone valves that serve as the primary release valves from Spruce Run Reservoir. When compared to other valves, the fixed cone valves allow for increased accuracy in release quantities and also offer significant pressure reduction. When the structure was reconstructed in 1982, the original valves that were installed in the early 1960s were relocated to their current position. Authority staff performs annual maintenance on the valves, but corrosion present on the valves is making this maintenance increasingly difficult over time. The fixed cone valves are critical to the operation of the

reservoir and are nearing the end of their service life. The consulting engineer has provided preliminary recommendations as part of a draft schematic design report.

E. Manual Transfer Switch for Emergency Operation

Reservoir release capabilities depend on uninterrupted power supply for the operation of the tower crane to remove stop logs. Thus, Authority staff recommends adding an emergency backup power source to the reservoir's vault/tower electrical supply system for drawdown equipment operation. As part of the Round Valley Reservoir Dam Rehabilitation and Resource Preservation Project, a consultant has been directed to size an emergency tow-behind portable generator and to design transfer switches at the Round Valley North and South Dam vaults that will feed power to the towers' hoisting equipment. It is anticipated that the consultant will design a manual transfer switch to be installed at the Spruce Run vault that is compatible with the tow-behind portable generator for the current Round Valley project. The consulting engineer has provided preliminary recommendations as part of a draft schematic design report.

F. Spruce Run Tower Hoisting Equipment

The existing outlet tower overhead bridge crane is a hand operated geared bridge and trolley type with a motor driven hoist. The bridge is constructed on standard I beams with a hand chain operated drive. The overhead bridge crane is original to the dam construction in the early 1960s. It is still operational and is used to remove and/or reinstall the stop logs during release operations. However, the unit has developed a minor "travel" over the years, which is sometimes observed during stop-plank hoisting. In addition, it has become difficult to purchase parts for the crane system. The consulting engineer will investigate the existing overhead bridge crane, review the load rating, and recommend a partial or full replacement of an equal or alternate type of crane in compliance with OSHA regulations. The consulting engineer has provided preliminary recommendations as part of a draft schematic design report.

G. Spruce Run Tower Sluice Gate Operators

The Spruce Run Tower mechanical system includes two sets of three sluice gates each, which are operated with floor stand operators fabricated by Rodney Hunt Machine Co. The stands are mounted to the floor and are equipped with stem covers with visual indicators that show the position of the gate at all times. The stands are suitable for motor operation and are also equipped with a hand crank for manual operation. Currently, the motor operation is typically performed with the aid of a gasoline powered "donkey" engine. The Authority would like to improve the mechanical operation of the sluice gates with an electrically actuated system. The consultant will evaluate conditions of the current system and consider use of the existing floor stand operators with compatible electric actuators, or recommend a new, electrically actuated system that reduces operational time and improves labor safety standards. The consulting engineer has provided preliminary recommendations as part of a draft schematic design report.

#### H. Spruce Run Other Ancillary Works

The multidisciplinary project also includes the installation of several other appurtenances: a door on the southern façade of the vault, a hardened access gate adjacent to the vault, OSHA compliant exterior access ladders for the tower and vault, remote reading capability of the vault releases, and new roofs for both the tower and vault. A thorough inspection of the release tower superstructure will also be conducted. The consulting engineer has provided preliminary recommendations as part of a draft schematic design report.

#### I. Reservoir Hydrologic and Hydraulic Modeling

The Spruce Run reservoir was constructed at the former confluence of Spruce Run and Mulhockaway Creek. The reservoir is fed by these two major and several other minor streams, with a total drainage area of 41 square miles. The original Spruce Run hydrologic and hydraulic (H&H) calculations were performed by Whitman, Requardt and Associates in March 1960. The engineer used the available historic stream flow records for streams in the reservoir's watershed and assumed values for others in the absence of data. H&H calculations were performed using empirical formulas to predict passing flows over the reservoir's primary spillway and ogee weir.

The 2017 PFMA report concluded that an updated hydrologic and hydraulic analysis was recommended using current methods. As a result, the consulting engineer is developing hydrologic and hydraulic models that evaluate the capacity of the existing dam and spillway relative to the runoff produced by the Probable Maximum Precipitation (PMP) in compliance with the spillway design storm requirements of the NJDEP Bureau of Dam Safety.

#### J. Rapid Drawdown Planning

The outlet works at Spruce Run reservoir consist of an intake tower and twin pipes leading to a control vault at the downstream toe of the dam. Each of the twin pipes reduce from 84-inch diameter at the intake tower to 60-inch diameter near the control vault and to 48-inch diameter within the vault. The consultant is reviewing the current drawdown operations and computations in order to find ways to expedite the reservoir drawdown process. To this end, the consultant has provided preliminary recommendations as part of a draft schematic design report.

#### **Rehabilitation of the Prallsville Culvert Pit and Miscellaneous Components – D&R Canal**

The Prallsville Lock is located on the Delaware and Raritan Canal at Station 155+00. Upstream of the lock, situated at the confluence of the Canal and Wickecheoke Creek, there is a 196-foot-long concrete spillway known as the Prallsville Spillway. Between the spillway and lock, there is a stone masonry culvert that passes under the Canal to the Delaware River. The culvert's inlet is located in a rectangular pit adjacent to the Canal that is about 65 feet long, 20 feet wide, and 18 feet deep. The pit has dry laid stone masonry retaining walls and also contains the outlet of another culvert, which passes under the Canal towpath. Flow is conveyed from one culvert to the other along the pit bottom via open channel flow.

In September 2021, flooding associated with remnants of Hurricane Ida caused a partial collapse of the retaining wall at the southwest side of the pit, which is parallel to the Canal and located only 25 feet from its edge. Four non-operational sluice gates located at the Prallsville Spillway's downstream abutment were also damaged during the flooding.

In spring 2022, the Authority solicited Statements of Qualifications and Technical Proposals for professional engineering services for the rehabilitation of the Prallsville Culvert Pit. It is expected that the project will consist of connecting the two culverts within the pit and filling the pit to grade, which will prevent future failures of the retaining wall, and more importantly, the canal embankment it supports. It is also expected that the damaged sluice gates will be decommissioned as part of this project, as they are no longer needed.

A consultant has been retained and completed a schematic design. It is expected that construction of the improvements will take place in FY24-FY25. Because this project was necessitated by damage associated with Hurricane Ida, it is expected that a portion of the project costs will be reimbursed by FEMA. Remaining costs not covered by FEMA will be funded through the CIP.

#### **Round Valley Reservoir North & South Tower Sluice Gate Refurbishment**

There are a total of nine sluice gates at the Round Valley Reservoir: three in the South Tower, and six in the North Tower. The sluice gates allow the Authority to release water from the reservoir. At the South Tower, the gates are also opened to allow water to be pumped into the reservoir from the Round Valley Force Main. The sluice gates date back to the original construction of the reservoir and its appurtenant structures in the 1960s.

As part of the larger Round Valley Resource Preservation Project, underwater inspections of the sluice gates were conducted by both an engineering consultant and a contractor. The contractor also cleaned the gates and replaced some components of their assemblies, including hardware associated with the gate wedges, stem guide bushings, and thrust nuts. From the contractor's inspection, it was determined that there are remaining components of the sluice gate assemblies that require replacement. These include stem couplings, gate wedges, and hardware for the stem guide brackets and gate side rails.

Authority staff is currently working to develop design plans and specifications suitable for bidding. The project will include complete replacement of all deficient components for each of the nine sluice gate assemblies at the North and South Towers. Also, it has been recommended that the Authority implement a program to have the gates cleaned and inspected regularly. As such, the project will also require the contractor to thoroughly inspect and clean all components of the sluice gate assemblies. It is anticipated that this work will begin in FY24.

#### **Wastegate and Lock Evaluation and Repair – D&R Canal**

The Canal was converted into a water supply source in the 1940s and 1950s. This included conversion of the original locks into flow control structures with sluice gates to regulate the flow. These structures are critical to the operation of the Canal. Numerous wastegates and locks along

the D&R Canal need maintenance, rehabilitation, or improvements. Most of these structures were last inspected underwater in 2001. Underwater engineering evaluations are necessary to identify and prioritize the required work. This project will undertake a phased evaluation of the Canal's wastegates and locks based on operational needs and known problems. This project may also include priority repairs.

### **7500 kVA Transformer Replacement at South Branch Pump Station**

The two 7500 kVA transformers that provide step-down power to meet the pump station's large energy demands are original equipment from the 1960's construction. Consultants have evaluated the units as part of the Authority's asset management plan. Due to the transformers age, unfavorable location (on a portion of the pump station roof without containment), and criticality to pumping operations, the consultants have recommended that the Authority plan for replacement of both units at a new location on-site. The new location will also need containment and protection from the weather.

### **Improvements to Scudders Falls Wastegate Controls**

Scudders Falls is located in Ewing Township at approximate station 821+20 upstream of the Perdicaris wastegate in Trenton. This wastegate, along with the Washington Crossing wastegate, allows the Water Supply Operators (WSO) to divert water back to the Delaware River during heavy rains, before it reaches Trenton. The Scudders Falls gates, controls, and gate house were constructed in the mid-1980s. During power outages, the transfer switch should signal the generator to turn on, which will allow the WSO to operate the gates and maintain the level of the Canal. The transfer switch no longer operates, the controls that operate the gates are old and do not work on one of the gates, and the generator needs repair. Staff would like to upgrade the entire electrical/control system at this location.

### **Rehabilitation of the Upper Canal Embankment - Raven Rock to Prallsville**

Since September 2004, four major flood events in the Delaware River have overtopped the Canal embankment between the Raven Rock Lock and Prallsville Lock. The Canal embankment in this stretch separates the Canal from the River. It is very narrow and is inaccessible by vehicle, so it is necessary to maintain the embankment by boat, which is challenging. During the large flood events, the Canal and the Delaware River water levels were elevated above the embankment and became one body of water. There are several areas in this stretch that experienced heavy deterioration during these events, typically initiated by fallen trees.

The Authority had to implement emergency measures to prevent further erosion of the embankment following Tropical Storms Irene and Lee in 2011. Due to the location and access issues discussed above, all of the work had to be done by hand. Barges were used to supply the materials (riprap and cement bags), and Authority forces placed the materials in the embankment to close the openings. These temporary repairs require replacement with more appropriate materials, both structurally and historically.

An engineering consultant and a cultural resources consultant were retained to design repairs to this section of the embankment. A professional services contract was awarded to a team led by GZA GeoEnvironmental (GZA) as the engineer for the repairs of the embankment. Paulus, Sokolowski, & Sartor (PS&S) was selected as the cultural resource consultant for the project.

Authority staff identified eight primary locations in this reach that required investigation, design and repair. GZA was charged with inspecting the entire embankment from Raven Rock to Prallsville and identifying any other additional locations that should be considered for repair.

A schematic design report identified and prioritized additional areas that warrant repair and these areas have been added to the scope of work. Conceptual approval has been received from the State Historic Preservation Office. The approach to completing these repairs has been further refined and the Authority is working with the consulting engineer to obtain necessary approvals and develop a final design. Final design is expected in FY24 and construction to follow in FY25.

### **Rehabilitate Flow Control Gate at Back Race at Lambertville**

The back raceway in Lambertville, located approximately at Station 371+00, consists of one manually operated gate and was constructed as a by-pass to the Lambertville Lock. Due to the configuration of the raceway, the Authority uses this gate during the summer months to prevent the water from stagnating and to flush the algae that may accumulate. Further, it can be used to bypass Canal flow in the event it is necessary to work on the lock. The structure's right and left stone masonry wingwalls are undermined and the timber discharge apron is damaged. The structure is in need of rehabilitation to prevent further deterioration.

### **Rehabilitation of Canal Flow Structures**

There are nine flow control structures located along the length of the Canal that were inspected and evaluated by Schnabel Associates in 2001 to assess their condition and determine the required rehabilitation. The structures included Raven Rock Lock, Prallsville Lock, Lambertville Lock, Kingston Lock, Griggstown Lock, Ten Mile Lock, South Bound Brook Lock, Five Mile Lock, and the Waste Gate upcanal from Ten Mile Lock.

Schnabel's evaluation of these structures identified a variety of repairs needed at each site. In addition to the required replacement of some flow control gates, the deficiencies range from minor concrete cracking and spalling to structural undermining of the locks. The Authority would also like to upgrade each gate to include an electrically powered operator, which will allow for quicker and safer operation of the gates by Authority personnel.

The Authority plans to phase in gate replacement, operational improvements, and structural rehabilitation based on operational priorities and the results of underwater engineering evaluations. A construction contract was awarded to replace eleven sluice gates and operating assemblies at four locks including Five-Mile Lock, South Bound Brook Lock, Ten-Mile Lock, and Griggstown Lock. It is anticipated that installation of the gates will be completed in FY24.

### **Rehabilitation of the Landing Lane Spillway and Embankment Improvements Downstream of Island Farm Weir**

The Landing Lane Spillway is located immediately upcanal of the Landing Lane Bridge in New Brunswick. This spillway was rehabilitated in 1991 with the construction of a concrete cutoff wall on the Canal side slope to control leakage. Timber planks were installed on the concrete wall for historic reasons. The spillway was finished with dry-laid stone on the crest and river side slope. The spillway was deteriorating. The stones were being dislodged and the spillway crest needed to be stabilized. The planned rehabilitation consisted of completely dismantling the spillway and installing concrete slabs over its existing footprint. The concrete slabs will act as a substructure to the stones that were reset with mortar.

A narrow embankment separates the Canal from the Raritan River just downstream of the Island Farm Weir on the Raritan. The river side slope had experienced significant erosion and required rehabilitation.

Authority staff procured an engineer and a cultural resource consultant for both projects. It was anticipated that construction of the projects would be procured together, but the designs progressed at different speeds, and they were separated.

The Embankment Improvements Downstream of the Island Farm Weir was bid in summer 2020 and construction finished in the spring of 2021 (FY21). The Landing Lane Spillway Rehabilitation was bid in the spring of 2021. Construction commenced in fall 2022 (FY23) and was completed in August 2023.

### **Repair of Pipe at Whitehead Road**

In 2011, a sinkhole developed in the towpath 1,600 feet up canal from Whitehead Road in Lawrence Township, Mercer County. This location is 3,600 feet down canal of the outlet of the Trenton Conduit. The sinkhole developed as a result of a failed 42-inch reinforced concrete (RC) stormwater pipe that connects to a 48-inch RC pipe which goes under the Canal and the U.S. Route 1 Freeway and discharges into the Assunpink Creek. It is noted that the 48-inch pipe replaced a stone masonry culvert under the Canal (same alignment) during construction of the U.S. Route 1 Freeway in the early 1950's. The sinkhole caused erosion of the Canal left bank and multi-use trail. Staff filled the sinkhole with six-inch riprap and regraded the area in 2011, but the sinkhole has been recurrent. As a result, the Authority contacted the NJDOT, which in turn ordered an inspection of the site by their contractor (IEW) in April 2021. No remedial action has been proposed by the NJDOT to this date.

### **Rehabilitation Work at the Washington Crossing Spillway**

The Delaware River Joint Toll Bridge Commission advised the Authority on June 6, 2013, of a small amount of clear seepage coming from its historic stone bridge abutment at the Washington Crossing Bridge. At the time of notification, the Authority had been operating the Canal at raised levels in that vicinity to address a flow problem in the Trenton area. The higher-than-



normal levels of the Canal caused the Washington Crossing spillway, which is directly adjacent to the abutment, to operate (overflow).

Authority staff placed sandbags on the spillway crest to force spillway discharge away from the northern portion of the spillway. This temporary measure is working to eliminate the seepage. Experience from earlier trials has shown that the seepage returns if the sandbags are removed or washed off and flow discharges from the northernmost pipes. Seepage may cause damage to the spillway structure, the bridge tender's house, or the bridge abutment as a result of removal of fines by piping or undermining.

Staff is continuing to monitor the situation and to investigate alternatives for controlling the flowing water.

### **Security System and Upgrades –Clinton and Canal**

Several security improvements have been included as part of the large Round Valley Dam Rehabilitation project identified above, such as electrical service improvements and internet communications improvements. Security monitoring system upgrades will follow the infrastructure upgrades. Other protective measures continue to be considered on an ongoing basis.

### **Rooftop Hydronic Heater for Auto Shop - Spruce Run Admin.**

The 1992 rooftop hydronic heater that serves the Auto Shop at the Spruce Run Administration Building is nearing the end of its service life and should be replaced with a similar unit. Repairs are becoming routine and obtaining parts is growing more difficult.

### **Alexauken Creek Aqueduct**

Paralleling the western side of the Alexauken Creek Aqueduct is the former Belvidere-Delaware Railroad concrete bridge, which passes over the creek, immediately adjacent to the 1940s-era concrete aqueduct trunk. The Aqueduct's historic (circa 1834) northeast, center, and southeast stone abutments were rehabilitated in 1989-1990. Recent inspections revealed that all of the abutments have missing mortar on the lower areas, which are continuously exposed to the water level fluctuation. In addition, the northeast abutment shows vegetation covering the structure on the creek side.

Two Canal leaks were observed at the aqueduct in 2007. The first one was located at the southwest contact of the aqueduct trunk and the stone masonry wall. The second one was observed between the joint of the concrete aqueduct northeast flap wall and the stone masonry abutment. The first leak was addressed with a project engineered in-house, publicly bid, and completed in 2009. The second leak was remediated by Canal staff by placement of a clay plug along the affected Canal left bank. There are no leaks to remediate at Alexauken Creek aqueduct at this time, but it is anticipated that further repairs will be required to maintain the structure.

### **Rehabilitation of the Wastegate Downstream of Ten Mile Lock**

The wastegate is located at Canal Station 2599+50, approximately 600 feet downstream of the Ten Mile Lock in Franklin Township, Somerset County. The existing non-operational wastegate consists of a wooden gate structure set between guides that are attached to the recessed portion of a concrete inlet headwall. A 60-inch diameter concrete pipe under the multi-use trail was permanently sealed with concrete in June 2014. Currently, the stone masonry outlet headwalls are in a serious state of disrepair, and some leakage is evident. The waste gate's façade and the downstream stone headwall need to be rehabilitated.

### **Rehabilitation of the Spillway Upcanal of the Griggstown Lock**

The spillway upcanal of the Griggstown Lock between Station 2060+40 and Station 2064+20 of the Canal in Franklin Township, Somerset County, is in poor condition and warrants rehabilitation. The 380-foot long spillway was built as part of the original Canal construction in the 1830s and is part of the Canal's flood control system into the Millstone River. Engineering services are required in order to inspect the structure, prepare a schematic design, prepare a design of the approved rehabilitation alternative and provide construction management services during the rehabilitation of the structure. A cultural resource consultant is also required to perform a cultural resource investigation for the rehabilitation of the spillway and to provide observation during rehabilitation. Funding for this project is not included in this five-year program.

### **Rehabilitation of D&R Canal Culvert at Canal Station 2550+90 (One mile upstream of 10-Mile Lock)**

The unnamed culvert at Station 2550+90 is located in Franklin Township, Somerset County, approximately one mile east of the Weston Causeway and ¼ mile east of School House Road. Boswell Underwater Engineering inspected the culvert in September 2007. The inspection identified numerous areas exhibiting missing mortar pointing and stone along both the walls and crown of the structure. Missing stones were also identified on both the upstream and downstream headwalls. The contractor classified the culvert as being in fair condition and recommended repairs be made to the culvert barrel as well as both headwalls. Repairs will be scheduled as needed.

### **Replace Boiler at Canal Field Office**

The boiler at the Canal Field Office (CFO) is the original oil-fired boiler from the early 1990s. There have been boiler operational issues every heating season for the past few years. Natural gas lines are now available on Bear Tavern Road, close to the CFO. A gas line will need to be installed from the road into the building. This would also allow abandonment of the existing oil tank (underground storage tank). Converting the heating system to natural gas will have several advantages for the Authority. Modern boilers are more efficient and reduce utility costs.

### **Replace Underground Heating Oil Tank at South Branch Pumping Station**

The existing 10,000-gallon steel underground storage tank (UST) which contains heating oil for the pumping station is approximately 30 years old. EPA/NJDEP regulations require cathodic protection and testing. If replaced with an underground tank, the new tank would likely be a modern double-wall fiberglass reinforced UST. This project would also include the abandonment/removal of the existing steel tank with a contracted licensed LSRP and permitting with the NJDEP. However, the recommendation at this time would be to replace the tank with an above ground storage tank in an alternate location. Above ground tanks are not regulated in the same manner as underground storage tanks because it is much easier to detect leaks and corrosion. This would reduce the environmental liability of the Authority in the long term and reduce insurance costs. Design and permitting for this project are expected to commence in FY24.

### **Replace Underground Heating Oil Tank at Spruce Run Administration Building**

The existing 5,000-gallon steel underground storage tank (UST) which contains heating oil for the Spruce Run Administration Building is approximately 30 years old. This tank services the boilers, hot water heater, and the building's emergency generator. EPA/NJDEP regulations require cathodic protection and testing. If replaced with an underground tank, the new tank would likely be a modern, double-wall fiberglass reinforced UST. This project would also include the abandonment/removal of the existing steel tank with a contracted licensed LSRP and permitting with the NJDEP. However, the recommendation at this time would be to replace the tank with an above ground storage tank in an alternate location. Above ground tanks are not regulated in the same manner as underground storage tanks because it is much easier to detect corrosion. This would reduce the environmental liability of the Authority in the long term and reduce insurance costs. Design and permitting for this project are expected to commence in FY24.

### **Replace Gasoline and Diesel Underground Storage Tanks at Spruce Run Administration Building Fuel Island**

The Spruce Run fuel dispensing facility utilizes two existing underground storage tanks (USTs) for gasoline and diesel product. The 5,000-gallon and 2,000-gallon double wall steel fiberglass externally coated USTs contain gasoline and diesel fuel, respectively. The tanks supply fuel for the maintenance equipment and vehicle fleet being used by the Spruce Run Administration Building staff, South Branch Pump Station staff, and Watershed Protection staff. These tanks are approximately 30 years old and were considered for replacement with modern double-wall fiberglass reinforced USTs or possibly with above ground storage tanks in an alternate location adjacent to the fueling island. However, during the construction of the SR fuel dispensers' replacement project, which is currently underway, it was necessary to pump out remnant fuel within the gas and diesel fuel tanks. The operation included a confined space entry in order to swipe and inspect the interior of the tanks. The inspection revealed the tanks to be in sound condition. Thus, replacement of the tanks is not required at this time but the tanks will continue to be monitored. Design and permitting for this project are expected to commence in FY24.

### **Spruce Run Administration Building Network Data Closet Construction**

The Spruce Run Administration Building is in need of a modern environmentally HVAC-controlled data closet in the basement to isolate the network servers and network switches from high temperatures, dust, and humidity. As the demand for network storage capacity continues to increase exponentially and as more engineering projects are completely reliant upon the transfer of plans, specifications and construction photographs digitally, the need for a dedicated space in the building to accommodate the networking hardware and servers has increased as well. This project will require installation of dedicated HVAC Cooling, installation of HVAC venting, relocation of electrical services, and relocation of network cabling and conduits.

### **Rehabilitation of the Trap Rock Quarry Spillway**

The Trap Rock Quarry Spillway between Station 1925+90 and Station 1929+20 of the Canal in Franklin Township, Somerset County, approximately ¾ mile upcanal from Route 518, is in poor condition and warrants rehabilitation. The 330-foot-long spillway was built as part of the original Canal construction in the 1830s and is part of the Canal's flood control system into the Millstone River. Engineering services are required in order to inspect the structure, prepare a schematic design, prepare a design of the approved rehabilitation alternative and provide construction management services during the rehabilitation of the structure. A cultural resource consultant is also required to perform an investigation for the rehabilitation of the spillway and to provide observation during rehabilitation. Funding for this project is not included in this five-year program.

### **Dredging of the Canal between Landing Lane and Route 18**

Approximately 70 percent of water diverted from the Canal is taken by purveyors at the Canal terminus near Route 18 in the City of New Brunswick, Middlesex County. Sediment bars have formed just upstream of the two primary intakes from the Canal wherein the normal Canal operating level is only 18 inches above the sediment level. A decrease in the Canal operating level by more than 12 inches makes it difficult for the water purveyors to divert water. Removal of this accumulation is essential to ensure delivery to these water purveyors.

Removal of the accumulation must be carefully coordinated with the water purveyors in this reach. Development of a program will likely be modeled after the dredging program that was conducted for the Canal reach between Kingston and Amwell Road. Funding for this project is not included in this five-year program.

### **Dredging between Lambertville Lock and Trenton**

Sediment was removed from this reach in the mid-1980s. Breach of the embankment at the Workhouse Spillway in 2011 drained the Canal between the Lambertville Lock and the Kingston Lock, exposing sediment that has accumulated since the 1980s. While the Canal was drained, Authority staff removed the most pronounced sediment mounds but was unable to remove all of the mounds. Long-term planning will focus on the removal of sediment from this reach. Funding for this project is not included in this five-year program.

### **Dredging between Amwell Road and Ten Mile Lock**

Dredging was recently completed in a 10.5-mile stretch of the Canal between Kingston and Amwell Road. Flow in the stretch of the Canal between Amwell Road and Ten Mile Lock is also being impeded by the accumulation of sediment. Long term planning will focus on the removal of sediment from this reach. Funding for this project is not included in this five-year program.

### **Storage Building at Canal Field Office**

The Authority is considering the construction of a pole barn, or similar type storage building at the CFO facility. The additional space for storage of equipment will allow staff to keep certain equipment out of the elements which can extend the life expectancy of this equipment. This project is anticipated to take place in FY25.

### **Spruce Run Administration Building Tie-In to Public Water Supply**

The Authority is conducting a preliminary study/investigation into the possibility of connecting to the regional municipal public water supply system. There are allocation and supply issues being experienced by the local water company which may delay this process, as well as the potential for water system connection fees. This would allow the Authority to abandon the local administration building supply well and the well to the Annex and the Watershed offices. Funding for this project is not included in this five-year program.

### **Storage Building near Spruce Run Annex**

The Authority is considering the construction of a pole barn type structure in the Spruce Run Storage Yard. The need for additional space for storage of equipment and materials has been raised. One benefit of this building would be to provide additional space to keep certain equipment stored out of the elements which would potentially extend the service life of equipment. This project is anticipated to take place in FY25.

### **Construction of a Bedload Stone Trap at the Wickecheoke Creek**

Wickecheoke Creek enters the Canal just upstream of the Prallsville Lock Control Structure on the border of Delaware Township and Stockton Borough in Hunterdon County. Excess flow from the Canal and the Creek are discharged over the Wickecheoke Creek spillway into the Delaware River. Investigations in the early 1990s resulted in a recommendation to construct a bedload stone trap in the creek, upstream of its confluence with the Canal, to improve the ability to remove the bedload without disrupting the flow in the Canal.

The Authority recommends construction of the structure because of the escalating need to remove bedload from the Canal at this location and the difficulty in performing such removal. This project is currently on hold and has been moved to low priority. Funding for this project is not included in this five-year program.

### **Cutoff Wall in the Shipetaukin Creek Guard Bank**

The Shipetaukin Creek Guard Bank located in Lawrence Township, Mercer County, was constructed along the western side of the Canal to separate the Canal from the Lawrence Meadows and Shipetaukin Creek. The Guard Bank breached during Hurricane Floyd in September 1999 because of high water levels in Lawrence Meadows. Typically, the water level in the Lawrence Meadows between Province Line Road and the Route 295 Interchange is higher than the water levels in the Delaware and Raritan Canal, so the breach did not cause a loss of Canal water supply. Improvements are necessary to control leakage and prevent piping and a potential failure of the embankment. This section of towpath (multi-use trail) is approximately 7,000 feet long.

The construction of a cutoff wall is being considered in this reach of the embankment. The depth of the cutoff wall is expected to range between eight and 18.5 feet and it will be constructed of either slurry concrete mix or a clay mix. The slurry concrete mix has the advantage of ease of installation, but may cause permit problems.

It will be necessary to retain a consultant to obtain boring information through the guard bank to determine the precise recommended depth of the cutoff wall. Funding for this project is not included in this five-year program.

### **Wickecheoke Creek Gates Abandonment**

Authority staff has been instructed not to operate these wastegates because they have been extensively damaged by wood debris that accumulates in this area during flooding. In September 2021, flooding associated with remnants of Hurricane Ida destroyed a concrete pier, caused the operator's platform to partially collapse, and damaged a gate operator. These gates are no longer needed for operations and will be decommissioned as part of the Prallsville Culvert Pit rehabilitation project in FY25.

### **Rehabilitation of the Gold Run Spillway**

The Gold Run Spillway is located at Station 955+00, approximately 500 feet upstream of Lower Ferry Road in Ewing Township, Mercer County. The Gold Run Spillway is a concrete structure built in 1913. The concrete spillway box is approximately 98 feet long and four feet wide. The elevation of the spillway crest is 56.70 feet.

Fourteen 36-inch diameter concrete pipes handle the flow of water coming through the spillway. The pipes discharge onto a downstream concrete apron that protects the embankment from erosion. The spillway box is leaking and needs to be replaced. Funding for this project is not included in this five-year program.

### **Carnegie Lake Culverts Investigation / Isolation**

There are two submerged culverts located adjacent to Carnegie Lake which the Authority must locate and investigate. Funding for this project is not included in this five-year program.

### **Raven Rock Retaining Wall Downcanal of Lock**

The control structure at Raven Rock Lock is located at Canal station 0+00 at Bull's Island State Park in Delaware Township, Hunterdon County. The concrete lock structure consists of four metal sluice gates and operators. Adjacent to and downcanal from the lock there is a stone retaining wall. Several stones are missing from the wall and a portion was displaced by a large sycamore tree that has been removed. Funding for this project is not included in this five-year program.

### **Refurbishment of Main Pumps and Motors No. 3 & 9** **Refurbishment of Main Pumps and Motors No. 2 & 10**

See description above for Refurbishment of Main Pumps and Motors No. 4, 5, 7 & 8. The remaining four pumps would be refurbished in the order stated above. Funding for these projects is not included in this five-year program.

### **Canal Culvert Rehabilitation 2249+79 (Suydam)**

The culvert near Suydam Road is a single barrel drop style culvert located at Station 2249+79 of the Canal. During the April 2006 inspection, the condition appeared very much the same as its condition in October 2003, when it was dewatered and surveyed. On the inlet side, there are a few stones missing at the base of the inlet structure and there is some shifting of some of the capstones.

On the outlet side, the entire dry-laid headwall has the appearance of being bowed inward. Additional inspection is required to determine the priority of repairs. Funding for this project is not included in this five-year program.

### **Canal Culvert Rehabilitation 2661+86 (Randolph Brook)**

The Randolph Brook culvert structure consists of three distinct sections. Looking downstream from the inlet, the culvert has a semicircular corrugated steel section that is 63 feet long, 13 feet wide and eight feet high, which runs beneath Weston Canal Road. The pipe abuts a six-foot long transition box or access chamber where the alignment of the structure shifts slightly to the left. A double barrel stone arched structure carries the Brook under the Canal into the Raritan River. The barrels measure approximately 139.5 feet long, five feet wide and 4.5 feet high.

The culvert was rehabilitated in 1990. The rehabilitation entailed the installation of a sleeve of steel liner plates within the arches of the main culvert barrels. Support for the liner plates was provided by newly poured concrete walls. The outlet headwall and timber apron were restored, preserving their historic appearance. During a recent inspection of County bridge No. H0703,

County engineers noticed several pinhole leaks within the stone archway that connects to the left culvert barrel.

Additional inspection is required to determine the priority of repairs. Funding for this project is not included in this five-year program.

#### **Canal Culvert Rehabilitation 2992+34 (Mile Run Culvert)**

The Mile-Run culvert consists of two semi-circular barrels that are approximately 129 feet long, which appear to be founded on natural rock. The culvert conveys Mile-Run Creek under the Canal and discharges into the Raritan River in the City of New Brunswick. The barrels are approximately twelve feet wide and six feet high. The culvert barrels were constructed of stone masonry and at some time, a brick liner was installed in the east barrel and a shotcrete coating was installed in the west barrel.

The culvert was rehabilitated in 1994. The rehabilitation was comprised of the restoration of the headwalls and deteriorated barrels. A structural steel liner was installed in the east barrel, set back 15 feet from the upstream end and 25 feet from the downstream end. The shotcrete liner in the west barrel was patched as needed.

A previous inspection revealed that the east barrel's first 25-foot brick liner section has minor spalls and the remaining metal liner section appears to be in good condition. On the west barrel it was observed that the gunite layer has spalled away at several locations at the mid-length of the barrel, above the footing.

Additional inspection is required to determine the priority of repairs. Funding for this project is not included in this five-year program.

#### **Concrete Repairs at the Sullivan Way Aqueduct**

The Sullivan Way Aqueduct is located in the City of Trenton, Mercer County. The structure was constructed in the early 1900s and has been waterproofed and patched several times. The superstructure is a concrete encased steel structure constructed to carry the Canal over Sullivan Way. The concrete on the abutments is spalling and needs attention. Funding for this project is not included in this five-year program.

#### **Rehabilitation of the Four-Mile Spillway**

The Four-Mile Spillway is located in the section of the Canal between Five-Mile Lock and Route 18 in Franklin Township, Somerset County, opposite the Rutgers Preparatory School on Easton Avenue. This 600-foot spillway was rehabilitated in 1999 with the installation of a tremie concrete cutoff wall to eliminate leakage from the Canal. The spillway was finished with hand placed stones across the crest, the river side slope and the Canal side slope of the rehabilitated structure. The stones were laid in a mortar bed with a recess in the pointing finish.



Past flooding events washed away some of the cement from the mortar, leaving the stones sitting in a loose sand bed. The stones have the potential to become dislodged and the spillway crest needs to be stabilized. The planned rehabilitation will be to remove all stone from the crest, pour a concrete slab and rest the stones with ties to the concrete slab, similar to the recently completed rehabilitation of the Colonial Park Spillway. Recent inspections, however, show that the spillway appears stable, with grass growing between the stones. Funding for this project is not included in this five-year program.

#### **Third Hand Shop Culvert under D&R Canal Cleaning (Partially Clogged)**

This culvert is located at approximate Station 592+00 of the Canal feeder section and consists of an 18-inch clay pipe that crosses under the D&R Canal. The inlet is located on the eastern end of Route 29 (inbound north). Solids and vegetation may be entering the culvert and partially clogging. An eventual cleanup of the pipe and/or installation of a cage at the inlet end may be recommended.

#### **No-Name Culvert Under Canal at Sta. 936+50 Outlet Cleaning (Partially Clogged)**

This culvert crosses under the D&R canal and is located approximately 2600 feet downcanal from Wilburtha Road. The 2019 inspection revealed that the outlet is partially clogged by soil and debris. An inspection of the intake end of the culvert revealed that a big pool has built over time since the exit flow is poor. A cleanup of the culvert's outlet structure is recommended.

#### **Pipeline Evaluation – Whitehouse Release Pipeline**

The Round Valley Release Pipeline (RVRP) conveys water from the Round Valley North Vault to the Whitehouse Release area and was also intended to carry water back to the reservoir from the planned Confluence Pumping Station. One pipe section of the 108-inch diameter prestressed concrete cylinder pipe ruptured in 1988 and numerous other sections were found to contain broken prestressing wire that may lead to additional ruptures of the pipe sections. The RVRP was converted into a gravity release pipeline in 1996 with the installation of pressure reducing valves in the North Vault. The reduced pressure design assumes that all the prestressing wire has failed and relies on the strength of the embedded steel cylinder. It was recommended that the pipeline continue to be monitored on a regular basis. The manufacturing and installation dates of the specific pipe sections used in this release line fall within the range of dates when there were faulty materials being manufactured in the industry, resulting in failures of pipelines of similar vintage.

Funding for a more thorough evaluation by an outside consultant is not included in this five-year program; however, the Authority continues to conduct scheduled internal inspection of the release piping. Staff will continue its periodic inspection of the pipeline and take action accordingly.

### **Pipeline Evaluation - RV Force Main**

The Round Valley Force Main is a 3.5-mile long 108-inch diameter prestressed concrete cylinder pipe that conveys water from the South Branch Pumping Station (SBPS) to the South Dam Tower at Round Valley Reservoir. The Force Main can also be used for releases from the reservoir to the South Branch Raritan River.

Non-destructive testing of the Force Main was conducted in 1999. The non-destructive testing identified that the majority of the pipe sections were in very good condition. Approximately five percent of the 1,062 pipe sections exhibited anomalous readings that give rise to varying degrees of concern. One section of pipe, pipe section 42, located within the SBPS property, was excavated and further examined externally and internally. The examinations confirmed the results of the non-destructive testing. Instead of instituting a program to immediately replace pipe section 42 and other sections of pipe that were of concern, the Authority embarked on a program to develop a management plan to estimate the anticipated longevity of various pipe sections and prioritize pipe replacement.

Pipe section 42 was replaced in 2005 and was dismantled and tested in January 2006. Pipe section 42 was designed to have a double wrap of pre-stressing wire. The outer level of pre-stressing was missing, and the pipe section was considered to be structurally compromised. A stress of a large portion of the prestressing wire was significantly lower than its specified stress as determined by the strain gauge testing. With those structural deficiencies, the pipe was not in a state of incipient failure. Authority staff attempts to perform internal non-destructive pipe inspections that have a high probability of locating pipes in a state of incipient failure.

Funding for a more thorough evaluation by an outside consultant is not included in this five-year program; however, the Authority continues to conduct scheduled internal inspections of the force main piping. Staff will continue its periodic inspection of the pipeline and take action accordingly.

**PART III – PROPOSED RULE AMENDMENT**

NEW JERSEY WATER SUPPLY AUTHORITY

**Amendments To The Schedule Of Rates, Charges And  
Debt Service Assessments For The Sale Of Water From  
The Raritan Basin System**

**To Become Effective July 1, 2024**

The following rules and regulations can be found in the New Jersey Administrative Code under N.J.A.C. 7:11-1:27 and 7:11-2.1, et seq.

7:11- 2.3 General rate schedule for operations and maintenance

(a)1.-7. (No change.)

8. Any other current costs, expenses or obligations required to be paid by the Authority under the provision of any agreement or instrument relating to bonds, other indebtedness of the Authority or by law. The current sales base of 182.339 million gallons per day has been used in setting the rate listed in (b) below.

(b) General rate schedule for operations and maintenance:

<u>Period</u>	<u>Allocation</u>	<u>Rate/Million Gallons</u>
(State fiscal year unless otherwise indicated)		

State fiscal

year [2024] **2025**                      Million Gallons per Day (MGD)                      \$203.00

7:11-2.4 Debt service assessments

(a)     (No change.)

(b)     (No change.)

Period    Allocation    Rate/Million Gallons

(State fiscal year

unless otherwise

indicated)

State fiscal

year [2024] **2025**                      Million Gallons per Day (MGD)                      \$109.00

7:11- 2.5 Capital Fund Component

(a)-(b) (No change.)

(c) Capital Fund Assessment

Period    Allocation    Rate/Million Gallons

(State fiscal year

unless otherwise

indicated)

State fiscal

year [2024] **2025**                      Million Gallons per Day (MGD)                      \$33.00

7:11- 2.6 Source Water Protection Fund Component

(a) (No change.)

(b) Source Water Protection Fund Assessment

<u>Period</u>	<u>Allocation</u>	<u>Rate/Million Gallons</u>
(State fiscal year unless otherwise indicated)		
State fiscal year [2024] <b>2025</b>	Million Gallons per Day (MGD)	\$20.00

**APPENDICES**

**I. Report of Mercadien PC – Allocation of Headquarters General and  
Administrative Expenses – FY2025**

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)  
AGREED-UPON PROCEDURES REPORT**

FORECASTED COST ALLOCATION SCHEDULES

YEAR ENDING JUNE 30, 2025

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

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## **INDEPENDENT ACCOUNTANTS' REPORT ON APPLYING AGREED-UPON PROCEDURES**

To the Commissioners of  
New Jersey Water Supply Authority

We have performed the procedures enumerated below on the financial schedules for the fiscal year ending June 30, 2025. The procedures were agreed to by the New Jersey Water Supply Authority (a component unit of the State of New Jersey and responsible party) (the "Authority") solely to assist the Authority in evaluating the financial schedules in connection with setting of water rates for each of the three operating systems (Raritan, Manasquan Reservoir and Manasquan Treatment Plant/Transmission). The Authority's management is responsible for preparing and presenting the financial schedules in accordance with the guidelines for the presentation of schedules established by the American Institute of Certified Public Accountants ("AICPA").

An agreed-upon procedures engagement involves the practitioner performing specific procedures and reporting on findings based on the procedures performed. The Authority has agreed to and acknowledged that the procedures performed are appropriate to meet the intended purpose of the engagement, which is to assist the Authority with evaluating the underlying supporting documentation to determine the accuracy of the financial schedules in connection with setting water rates for each of the three operating systems. This report may not be suitable for any other purpose. The procedures performed may not address all the items of interest to a user of this report and may not meet the needs of all users of this report and, as such, users are responsible for determining whether the procedures performed are appropriate for their purposes.

The procedures and associated results are as follows:

1. We were provided with the fiscal year 2025 budgeted expenses for each of the three operating systems by the Authority's Director of Finance and Administration, who advised us that the fiscal year 2025 budgeted expenses are based upon preliminary budgets that are subject to approval by the Authority's Commissioners. We performed no procedures in regard to the fiscal year 2025 budgeted expenses.
2. We recalculated the allocated costs on the forecasted cost allocation schedules. We found no exceptions as a result of these procedures.
3. We compared the methodologies used for cost allocation on the forecasted cost allocation schedules to the methodologies used in the Authority's cost allocation schedules for the year ended June 30, 2023, and found them to be consistent.

We were engaged by the Authority to perform this agreed-upon procedures engagement and conducted our engagement in accordance with attestation standards established by the AICPA. We were not engaged to and did not conduct an examination or review of the subject matter, the objective of which would be the expression of an opinion or conclusion, respectively, about whether the forecasted cost allocation schedules are presenting the schedules in accordance with the guidelines for the presentation of schedules established by the AICPA. Accordingly, we do not express such an opinion or conclusion. Had we performed additional procedures, other matters might have come to our attention that would have been reported to you.

**INDEPENDENT ACCOUNTANTS' REPORT ON APPLYING AGREED-UPON PROCEDURES  
(CONTINUED)**

There will usually be differences between the forecasted and actual results because events and circumstances frequently do not occur as expected, and those differences may be material. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

We are required to be independent of the Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our agreed-upon procedures engagement.

This report is intended solely for the information and use of the Commissioners and management of the Authority and is not intended to be, and should not be, used by anyone other than these specified parties.

*Mercadieu, P.C.*  
*Certified Public Accountants*

Hamilton, New Jersey

November 2, 2023

NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)

SCHEDULE OF FORECASTED COST CENTER EXPENSE RECLASSIFICATION  
YEAR ENDING JUNE 30, 2025

DEPT. #	DEPT./COST CENTER	COST CENTER COSTS	RECLASSIFICATIONS									REVISED COST CENTER COSTS	
			1 HEATING/ ELECTRIC	2 VEHICULAR FUEL	3 PROFESSIONAL FEES	4 INSURANCE	5 TELEPHONE	6 PERMITS	7 WORKERS' COMP.	8 IN LIEU TAXES	9 CHIEF ENGINEER SALARY & FRINGE		
	BUILDING HQ	\$ -	\$ 88,000	-	-	-	-	-	-	-	-	-	\$ 88,000
	TELEPHONE HQ	-	-	-	-	40,000	-	-	-	-	-	-	40,000
36	SAFETY	237,690	-	(5,000)	-	-	-	-	-	-	-	-	232,690
37	SECURITY	1,159,550	-	-	-	-	-	-	-	-	-	-	1,159,550
14	HUMAN RESOURCES	522,000	-	(3,950)	-	-	-	-	-	(10,000)	-	-	508,050
16	PURCHASING	576,485	-	-	-	(40,000)	(20,000)	-	-	-	-	-	336,735
17	INFORMATION SYSTEMS	262,300	-	-	-	-	-	-	-	-	-	-	262,300
15	CONTRACTS & RISK MGMT.	2,299,160	-	(45,000)	(1,503,671)	-	-	-	-	(18,700)	-	-	731,789
13	FINANCIAL MGMT.	1,199,960	-	(2,730)	-	-	-	-	-	-	-	-	1,197,230
34	AUTO SHOP	299,000	-	-	-	-	-	-	-	-	-	-	299,000
35	AUTO SHOP-CANAL	288,640	-	-	-	-	-	-	-	-	-	-	288,640
10	EXEC OFFICE	295,897	4,673	-	-	-	-	-	-	-	-	-	300,570
20 30 31 32 33	WATERSHED, ENGINEERING & O&M (RANTAN SYSTEM)	10,111,852	(82,673)	56,680	1,503,671	-	-	-	-	16,700	10,000	(19,682)	11,588,548
		17,252,534	-	-	-	-	-	-	-	-	-	(19,682)	17,232,852
40-60	MANASQUAN SYSTEM	6,343,519	-	-	-	-	-	-	-	-	-	19,682	6,363,301
		\$ 23,596,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,596,153

See Independent Accountants' Report on Applying Agreed-Upon Procedures.

NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)

SCHEDULE OF FORECASTED SYSTEM-WIDE ALLOCATED COSTS  
YEAR ENDING JUNE 30, 2025

DEPT. #	DEPT./COST CENTER	REVISED COST CENTER COSTS	SQ. FT. #	# OF TELEPHONES	# OF EMPLOYEES	100% RARITAN O&M	# OF EMPLOYEES	# OF P.O.'s	# OF COMPUTERS	MISC CONTRACTS	O&M BUDGET	# OF VEHICLES	# OF VEHICLES	TIME ESTIMATE	ALLOCATED COST CENTER COSTS
	BUILDING HQ	\$ 88,000	\$ (88,000)												
	TELEPHONE HQ	40,000	-	\$ (40,000)											
36	SAFETY	232,690	591	435	\$ (233,718)										
37	SECURITY	1,459,550	3,327	1,739	18,133	\$ (1,182,749)									
14	HUMAN RESOURCES	508,050	3,936	1,739	6,044	-	\$ (519,769)								
16	PURCHASING	336,735	4,888	1,304	4,030	-	9,996	\$ (356,953)							
17	INFORMATION SYSTEMS	282,300	881	435	2,015	-	4,988	13,146	\$ (283,775)						
15	CONTRACTS & RISK MGMT.	731,788	2,878	670	4,030	-	9,996	7,837	9,154	\$ (766,554)					
13	FINANCIAL MGMT.	1,197,230	8,398	2,608	12,088	-	29,987	5,899	27,462	-	\$ (1,283,674)				
34	AUTO SHOP	498,730	13,227	870	4,030	-	9,996	15,084	9,154	-	33,626	\$ (594,737)			
35	AUTO SHOP-CANAL	286,640	-	870	2,015	-	4,988	16,938	9,154	-	19,460	-	\$ (342,075)		
10	EXEC OFFICE	300,570	11,622	3,478	2,015	-	4,988	1,770	9,154	-	20,265	-	-	\$ (353,872)	
20 30 31 32 33	WATERSHED, ENGINEERING & O&M (RARITAN SYSTEM)	11,588,548	39,532	25,651	126,930	1,162,749	314,858	156,734	151,042	692,692	761,306	584,737	342,075	334,409	\$ 16,318,983
40-60	MANASQUAN SYSTEM	6,953,301	-	-	52,385	-	129,942	139,345	68,655	73,862	429,017	-	-	19,463	\$ 7,276,170
		\$ 23,596,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 23,596,153

See Independent Accountants' Report on Applying Agreed-Upon Procedures.

NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)

SCHEDULE OF FORECASTED COST ALLOCATION FACTORS  
YEAR ENDING JUNE 30, 2025

ALLOCATION OF:		REQUIRED STATISTICS										
DEPT. #	ALLOCATION BASIS:	BUILDING HQ SQ. FT. #	TELEPHONES # OF TELEPHONES	SAFETY # OF EMPLOYEES	HUMAN RESOURCES # OF EMPLOYEES	PURCHASING # OF P.O.'S	INFORMATION SYSTEMS # OF COMPUTERS	CONTRACTS & RISK MGMT MGD CONTRACTS	FINANCE O&M FUNCTIONAL COST	AUTO SHOP # OF VEHICLES	AUTO SHOP CANAL # OF VEHICLES	EXEC. OFF TIME ESTIMATE
	BUILDING HQ											
	TELEPHONE HQ											
36	SAFETY	100	1									
37	SECURITY	563	4	9								
14	HUMAN RESOURCES	666	4	3								
16	PURCHASING	827	3	2	2							
17	INFORMATION SYSTEMS	149	1	1	1	156						
15	CONTRACTS & RISK MGMT.	487	2	2	2	93	2					
13	FINANCIAL MGMT.	1,421	6	6	6	70	6					
34	AUTO SHOP	2,236	2	2	2	179	2	\$ 498,750				
35	AUTO SHOP-CANAL	-	2	1	1	201	2	286,640				
10	EXEC OFFICE	1,967	8	1	1	21	2	300,570				
20 30 31 32 33	WATERSHED, ENGINEERING & O&M (RARITAN SYSTEM)	6,473	59	63	63	1,860	33	11,566,546	182	47	47	95
40-60	MANASQUAN SYSTEM	-	-	26	26	1,656	15	6,363,301	19	-	-	6
		14,890	92	116	104	4,236	62	\$ 19,039,809	202	47	47	100 %

See Independent Accountants' Report on Applying Agreed-Upon Procedures.

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**SCHEDULE OF FORECASTED MANASQUAN SYSTEM ALLOCATED COSTS  
YEAR ENDING JUNE 30, 2025**

	ALLOCATION BASIS					ALLOCATED COSTS
	1	2	3	4	5	
COSTS	TIME STUDY	\$ VALUE OF VEHICLES	\$ VALUE OF EQUIPMENT	TIME STUDY	\$ VALUE OF WATER CONTRACTS	
<u>GENERAL &amp; ADMINISTRATIVE</u>						
SALARIES & FRINGES	\$ 3,623,550		\$ (3,623,550)			
VEHICLE RELATED	100,500	\$ (100,500)				
MAINT. SUPPLIES & RELATED	91,600		\$ (91,600)			
OFFICE & MISC.	50,560			\$ (50,560)		
H.Q. OVERHEAD	932,551				\$ (932,551)	
RESERVOIR (40)	1,293,484	1,732,508	74,079	45,672	24,174	\$ 3,974,429
TREAT./TRANS. (50)	1,183,925	1,891,042	26,421	45,928	26,386	3,301,741
	<u>\$ 7,276,170</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 7,276,170</u>

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**NOTES TO FINANCIAL SCHEDULES  
YEAR ENDING JUNE 30, 2025**

---

**NOTE 1 GENERAL**

The New Jersey Water Supply Authority as part of its annual budget and rate making process performs a two-step cost allocation calculation. During the first step, the Authority forecasts its actual expenses by Cost Center. For purposes of this calculation the Authority uses the following Cost Centers:

Raritan System

- Building Headquarters
- Telephone Headquarters
- Safety
- Security
- Human Resources
- Purchasing
- Information Systems
- Contracts & Risk Management
- Financial Management
- Auto Shop
- Auto Shop - Canal
- Executive Office
- Engineering, Watershed Management, Operations and Maintenance (Raritan System)
- Manasquan System

In deriving expenses by Cost Center several expense reclassifications are made on the Schedule of Forecasted Cost Center Expense Reclassification as follows:

1. Heating and electricity expenses related to Building Headquarters ("HQ") and Executive Office are reclassified from Engineering and Operations & Maintenance ("O & M").
2. Vehicular fuel expense related to Auto Shop is reclassified from Purchasing.
3. Professional fees related to O & M are reclassified from the various departments to which they have been charged.
4. Insurance premium expense related to the Raritan System is reclassified from Contracts and Risk Management.
5. Telephone expense is reclassified from Purchasing to a separate Telephone HQ Cost Center.
6. Permit expense related to the Raritan System is reclassified from Contracts and Risk Management and Purchasing.

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

NOTES TO FINANCIAL SCHEDULES  
YEAR ENDING JUNE 30, 2025

---

**NOTE 1 GENERAL (CONTINUED)**

7. Workers' compensation expense related to the Raritan System is reclassified from Contracts and Risk Management.
8. In-lieu taxes related to the Raritan System are reclassified from Contracts and Risk Management.
9. Chief Engineer Salary & Fringe Expenses related to the Manasquan System are reclassified from the Engineering Department.

The second step entails a step-down allocation of eleven of the Authority's Cost Centers to the Raritan and Manasquan System Cost Centers. In making this step-down allocation the Authority allocates cost as follows:

1. Building HQ is allocated to each of the Cost Centers based on the amount of space utilized.
2. Telephone HQ is allocated to each of the Cost Centers based on the number of telephones utilized.
3. Safety is allocated to each of the Cost Centers based on the number of employees.
4. Security is allocated entirely to the Raritan System.
5. Human Resources is allocated to each of the Cost Centers based on the number of employees.
6. Purchasing is allocated to each of the respective Cost Centers based on the number of purchase orders issued.
7. Information Systems is allocated to each of the Cost Centers based on the number of computers.
8. Contracts and Risk Management is allocated to each of the Cost Centers based on the number of employees.
9. Financial Management is allocated based on a percentage of the four remaining Cost Centers' budgets.
10. Auto Shop and Auto Shop-Canal are allocated based on the number of vehicles used.
11. Executive Office is allocated based on the amount of executive time utilized in managing each of the Systems.



**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

NOTES TO FINANCIAL SCHEDULES  
YEAR ENDING JUNE 30, 2025

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**NOTE 2    MANASQUAN SYSTEM ALLOCATED COST**

The Manasquan Water Supply System's direct and allocated costs are then allocated between the Reservoir System and the Water Treatment Plant/Transmission System. In making this allocation the Authority adds to each System's direct expenses, the indirect costs allocated as follows:

1. Salaries and Fringe Benefits are allocated based on a fiscal year 2025 labor projection prepared by the Authority.
2. Vehicle related expenses are allocated based on the dollar value of vehicles held by each System.
3. Maintenance Supplies and related expenses are allocated based on the dollar value of capital equipment held by each System.
4. Office and miscellaneous expenses are allocated based on the fiscal year 2025 budget prepared by the Authority.
5. Headquarters Overhead expenses are allocated based on the value of water contracts for each System.

**II. Report of Mercadien PC – Allocation of Headquarters General and Administrative Expenses – Audited FY2023 Expenditures**

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**EXAMINATION REPORT AND FINANCIAL SCHEDULES**

June 30, 2023

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

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## INDEPENDENT ACCOUNTANTS' REPORT

To the Commissioners of  
New Jersey Water Supply Authority

We have examined the conformity of the financial schedules with the cost allocation criteria set forth in Notes 1 and 2 to Financial Schedules ("Notes 1 and 2"), of the New Jersey Water Supply Authority (a component unit of the State of New Jersey and responsible party) (the "Authority"), for the year ended June 30, 2023, listed in the foregoing table of contents. The Authority's management is responsible for conformity of the financial schedules in accordance with the criteria set forth in Notes 1 and 2. Our responsibility is to express an opinion on the conformity of the financial schedules with the cost allocation criteria set forth in Notes 1 and 2, based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants, and, accordingly, included procedures we considered necessary in the circumstances. Those standards require that we plan and perform the examination to obtain reasonable assurance about whether the financial schedules are in conformity with the cost allocation criteria set forth in Notes 1 and 2, in all material respects. An examination involves performing procedures to obtain evidence about the conformity of the financial schedules with the cost allocation criteria set forth in Notes 1 and 2. The nature, timing and extent of the procedures selected depend on our judgment, including an assessment of the risks of material misstatement on the conformity of the financial schedules with the cost allocation criteria set forth in Notes 1 and 2, whether due to fraud or error. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

We are required to be independent of the Authority and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements related to our examination agreement.

In our opinion, the financial schedules present the Authority's allocation of costs to the Raritan and Manasquan Systems in accordance with the cost allocation criteria set forth in Notes 1 and 2, in all material respects.

This report is intended for the information and use of the Commissioners and management of the Authority, and is not intended to be, and should not be, used by anyone other than these specified parties.

*Mercadien, P.C.*  
*Certified Public Accountants*

Hamilton, New Jersey

November 2, 2023

NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)

SCHEDULE OF COST CENTER EXPENSE RECLASSIFICATION  
YEAR ENDED JUNE 30, 2023

DEPT. #	DEPT./COST CENTER	COST CENTER COSTS	RECLASSIFICATIONS									REVISED COST CENTER COSTS
			1	2	3	4	5	6	7	8	9	
			HEATING/ELECTRIC	VEHICULAR FUEL	PROFESSIONAL FEES	INSURANCE	TELEPHONE	PERMITS	WORKERS' COMP.	IN LIEU TAXES	CHIEF ENGINEER SALARY & FRINGE	
	BUILDING HQ	\$ -	\$ 75,421	-	-	-	-	-	-	-	-	\$ 75,421
	TELEPHONE HQ	-	-	-	-	55,129	-	-	-	-	-	55,129
36	SAFETY	201,560	-	-	-	-	-	-	-	-	-	201,560
37	SECURITY	1,056,416	-	-	-	-	-	-	-	-	-	1,056,416
14	HUMAN RESOURCES	449,851	-	-	(4,849)	-	-	-	(1,016)	-	-	443,984
16	PURCHASING	497,752	-	(139,392)	-	-	(55,129)	(20,065)	-	-	-	283,166
17	INFORMATION SYSTEMS	214,036	-	-	-	-	-	-	-	-	-	214,036
15	CONTRACTS & RISK MGMT.	2,019,587	-	-	(29,696)	(1,489,484)	-	(101,778)	-	(18,689)	-	379,938
13	FINANCIAL MGMT	956,821	-	-	(2,022)	-	-	-	-	-	-	954,799
34	AUTO SHOP	240,095	-	139,392	-	-	-	20,065	-	-	-	399,552
35	AUTO SHOP-CANAL	183,371	-	-	-	-	-	-	-	-	-	183,371
10	EXEC OFFICE	272,608	7,286	-	-	-	-	-	-	-	-	279,894
20 30 31 32 33	WATERSHED, ENGINEERING & O&M (RARITAN SYSTEM)	8,204,426	(82,707)	-	36,569	1,489,484	-	101,778	1,018	18,689	(18,125)	9,751,132
		14,296,523	-	-	-	-	-	-	-	-	(18,125)	14,278,398
40-60	MANASQUAN SYSTEM	5,274,307	-	-	-	-	-	-	-	-	18,125	5,292,432
		\$ 19,570,830	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,570,830

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**SCHEDULE OF SYSTEM-WIDE ALLOCATED COSTS  
YEAR ENDED JUNE 30, 2023**

DEPT. #	DEPT./COST CENTER	REVISED COST CENTER COSTS	SQ. FT. #	ALLOCATION BASIS											ALLOCATED COST CENTER COSTS			
				TELEPHONES	# OF EMPLOYEES	100 % RARITAN O&M	# OF EMPLOYEES	# OF P.O.'s	# OF COMPUTERS	MGD CONTRACTS	O&M BUDGET	# OF VEHICLES	# OF VEHICLES	TIME ESTIMATE				
	BUILDING HQ	\$ 75,421	\$ (75,421)															
	TELEPHONE HQ	55,129	-	\$ (55,129)														
36	SAFETY	201,560	507	599	\$ (202,665)													
37	SECURITY	1,056,416	2,852	2,397	15,724	\$ (1,077,389)												
14	HUMAN RESOURCES	443,984	3,374	2,397	5,241	-	\$ (454,995)											
16	PURCHASING	283,166	4,189	1,796	3,494	-	8,750	\$ (301,397)										
17	INFORMATION SYSTEMS	214,036	755	599	1,747	-	4,375	11,100	\$ (232,512)									
15	CONTRACTS & RISK MGMT.	379,938	2,467	1,198	3,494	-	8,750	6,617	7,504	\$ (409,959)								
13	FINANCIAL MGMT	954,799	7,188	3,595	10,483	-	26,250	4,981	22,511	-	\$ (1,029,917)							
34	AUTO SHOP	399,552	11,336	1,198	3,494	-	8,750	12,736	7,504	-	25,968	\$ (470,438)						
35	AUTO SHOP-CANAL	183,371	-	1,198	1,747	-	4,375	14,301	7,504	-	11,872	-	\$ (224,358)					
10	EXEC OFFICE	279,894	9,961	4,794	1,747	-	4,375	1,494	7,504	-	18,121	-	-	\$ (327,860)				
20 30 31 32 33	WATERSHED ENGINEERING & O&M (RARITAN SYSTEM)	9,751,132	32,782	35,356	110,070	1,077,389	275,622	132,341	123,908	370,465	631,311	470,438	224,368	311,485	\$ 13,546,577			
40-60	MANASQUAN SYSTEM	5,292,432	-	-	45,425	-	113,746	117,827	56,277	39,503	342,645	-	-	16,395	6,024,253			
		\$ 19,570,850	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,570,850			

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**SCHEDULE OF COST ALLOCATION FACTORS  
YEAR ENDED JUNE 30, 2023**

REQUIRED STATISTICS												
ALLOCATION OF:	BUILDING HQ	TELEPHONES	SAFETY	HUMAN RESOURCES	PURCHASING	INFORMATION SYSTEMS	RISK MGMT	FINANCE O&M	AUTO SHOP	AUTO SHOP	EXEC. OFF	
ALLOCATION BASIS:	SG. FT. #	# OF TELEPHONES	# OF EMPLOYEES	# OF EMPLOYEES	# OF P.O.'S	# OF COMPUTERS	MGD CONTRACTS	FUNCTIONAL COST	# OF VEHICLES	# OF VEHICLES	TIME ESTIMATE	
DEPT. #	DEPT./COST CENTER											
	BUILDING HQ											
	TELEPHONE HQ											
36	SAFETY	100	1									
37	SECURITY	563	4	9								
14	HUMAN RESOURCES	666	4	3								
16	PURCHASING	827	3	2								
17	INFORMATION SYSTEMS	149	1	1	156							
15	CONTRACTS & RISK MGMT.	487	2	2	93	2						
13	FINANCIAL MGMT	1,421	6	6	70	6		\$ 399,552				
34	AUTO SHOP	2,238	2	2	179	2		183,371				
35	AUTO SHOP-CANAL	-	2	1	201	2		278,894				
10	EXEC OFFICE	1,967	8	1	21	2						
20 30 31 32 33	WATERSHED, ENGINEERING & O&M (RARITAN SYSTEM)	6,472	59	63	1,860	33	182	9,751,132	47	47	85	
40-60	MANASQUAN SYSTEM	-	-	26	1,656	15	19	5,292,432	-	-	5	
		14,880	92	116	4,236	62	202	\$ 15,906,381	47	47	100 %	

See Independent Accountants' Report.



**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**SCHEDULE OF MANASQUAN SYSTEM ALLOCATED COSTS  
YEAR ENDED JUNE 30, 2023**

	ALLOCATION BASIS					ALLOCATED COSTS
	1 TIME STUDY	2 \$ VALUE OF VEHICLES	3 \$ VALUE OF EQUIPMENT	4 TIME STUDY	VALUE OF WATER CONTRACTS	
COSTS						
<u>GENERAL &amp; ADMINISTRATIVE</u>						
SALARIES & FRINGES	\$ 2,962,271	\$ (2,962,271)				
VEHICLE RELATED	80,750	\$ (80,750)				
MAINT. SUPPLIES & RELATED	69,584	-	\$ (69,584)			
OFFICE & MISC.	30,275	-	-	\$ (30,275)		
H.Q. OVERHEAD	749,946	-	-	-	\$ (749,946)	
RESERVOIR	1,164,726	59,521	34,695	16,093	646,961	\$ 3,496,645
TREAT./TRANS.	966,701	21,229	34,889	14,182	102,985	2,527,608
	<u>\$ 6,024,253</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 6,024,253</u>

See Independent Accountants' Report.

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**NOTES TO FINANCIAL SCHEDULES  
YEAR ENDED JUNE 30, 2023**

---

**NOTE 1 GENERAL**

The New Jersey Water Supply Authority as part of its annual budget and rate making process performs a two-step cost allocation calculation. During the first step, the Authority forecasts its actual expenses by Cost Center. For purposes of this calculation the Authority uses the following Cost Centers:

Raritan System

- Building Headquarters
- Telephone Headquarters
- Safety
- Security
- Human Resources
- Purchasing
- Information Systems
- Contracts & Risk Management
- Financial Management
- Auto Shop
- Auto Shop - Canal
- Executive Office
- Engineering, Watershed Management, Operations and Maintenance (Raritan System)
- Manasquan System

In deriving expenses by Cost Center several expense reclassifications are made on the Schedule of Forecasted Cost Center Expense Reclassification as follows:

1. Heating and electricity expenses related to Building Headquarters ("HQ") and Executive Office are reclassified from Engineering and Operations & Maintenance ("O & M").
2. Vehicular fuel expense related to Auto Shop is reclassified from Purchasing.
3. Professional fees related to O & M are reclassified from the various departments to which they have been charged.
4. Insurance premium expense related to the Raritan System is reclassified from Contracts and Risk Management.
5. Telephone expense is reclassified from Purchasing to a separate Telephone HQ Cost Center.
6. Permit expense related to the Raritan System is reclassified from Contracts and Risk Management and Purchasing.

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

**NOTES TO FINANCIAL SCHEDULES  
YEAR ENDED JUNE 30, 2023**

---

**NOTE 1 GENERAL (CONTINUED)**

7. Workers' compensation expense related to the Raritan System is reclassified from Contracts and Risk Management.
8. In-lieu taxes related to the Raritan System are reclassified from Contracts and Risk Management.
9. Chief Engineer Salary & Fringe Expenses related to the Manasquan System are reclassified from the Engineering Department.

The second step entails a step-down allocation of eleven of the Authority's Cost Centers to the Raritan and Manasquan System Cost Centers. In making this step-down allocation the Authority allocates cost as follows:

1. Building HQ is allocated to each of the Cost Centers based on the amount of space utilized.
2. Telephone HQ is allocated to each of the Cost Centers based on the number of telephones utilized.
3. Safety is allocated to each of the Cost Centers based on the number of employees.
4. Security is allocated entirely to the Raritan System.
5. Human Resources is allocated to each of the Cost Centers based on the number of employees.
6. Purchasing is allocated to each of the respective Cost Centers based on the number of purchase orders issued.
7. Information Systems is allocated to each of the Cost Centers based on the number of computers.
8. Contracts and Risk Management is allocated to each of the Cost Centers based on the number of employees.
9. Financial Management is allocated based on a percentage of the four remaining Cost Centers' budgets.
10. Auto Shop and Auto Shop-Canal are allocated based on the number of vehicles used.
11. Executive Office is allocated based on the amount of executive time utilized in managing each of the Systems.

**NEW JERSEY WATER SUPPLY AUTHORITY  
(A COMPONENT UNIT OF THE STATE OF NEW JERSEY)**

NOTES TO FINANCIAL SCHEDULES  
YEAR ENDED JUNE 30, 2023

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**NOTE 2 MANASQUAN SYSTEM ALLOCATED COST**

The Manasquan Water Supply System's direct and allocated costs are then allocated between the Reservoir System and the Water Treatment Plant/Transmission System. In making this allocation the Authority adds to each System's direct expenses, the indirect costs allocated as follows:

1. Salaries and Fringe Benefits are allocated based on actual time studies performed by each employee throughout Fiscal Year 2023.
2. Vehicle related expenses are allocated based on the dollar value of vehicles held by each System.
3. Maintenance Supplies and related expenses are allocated based on the dollar value of capital equipment held by each System.
4. Office and miscellaneous expenses are allocated based on the time studies performed by each employee throughout Fiscal Year 2023.
5. Headquarters Overhead expenses are allocated based on the value of water contracts for each System.

Advertisement and Certification

Exhibit C

PROOFS OF PUBLICATION - CERTIFICATION

NEW JERSEY WATER SUPPLY AUTHORITY

PUBLIC HEARING

FRIDAY, FEBRUARY 2, 2024

ON PROPOSED AMENDMENTS TO THE  
SCHEDULE OF RATES, CHARGES AND DEBT SERVICE ASSESSMENTS  
FOR THE SALE OF WATER  
FROM THE  
RARITAN BASIN SYSTEM

TO BECOME EFFECTIVE JULY 1, 2024

THIS IS TO CERTIFY that the attached notice of public hearing in the above matter was mailed to the Secretary of State, the Division of the Ratepayer Advocate, the news media maintaining a press office at the State House Complex, the Board of Public Utilities and the Authority's Contractual Water Purchasers on December 19, 2023. Notice was also advertised in the following newspapers:

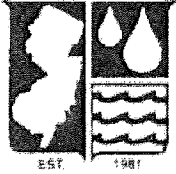
Hunterdon County Democrat	December 21, 2023
The Star-Ledger	December 21, 2023
The Times (Trenton)	December 21, 2023

The notice of public hearing also appeared in the January 2, 2024 issue of the New Jersey Register along with the text of the proposed amendments.



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Marc Brooks  
Executive Director  
February 2, 2024



## NEW JERSEY WATER SUPPLY AUTHORITY

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P.O. BOX 5196 · CLINTON, N.J. 08809 · (908) 638-6121 · (908) 638-5241 (FAX)

### NEW JERSEY WATER SUPPLY AUTHORITY

#### Notice of Rate Proposal - Raritan Basin System

Take notice pursuant to the provisions of Chapter 293 of the Laws of 1981 (N.J.S.A. 58:1B-1 et. seq.) the New Jersey Water Supply Authority has proposed no revisions to its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to cover the Authority's Operational and Debt Service expenses for the Authority's fiscal year which commences on July 1, 2024.

The proposed rates will constitute no change in FY2025 to the existing regulations found at N.J.A.C. 7:11-2.1 et seq. as follows: no change in the sales base of 182.339 million gallons per day; no change to the Operations and Maintenance Rate Component of \$203.00 per million gallons; no change to the Debt Service Rate Component for the New Jersey Environmental Infrastructure Financing Program of \$109.00 per million gallons; no change in the Source Water Protection Fund Component of \$20.00 per million gallons; and no change in the Capital Fund Component of \$33.00 per million gallons.

The proposal is scheduled to be published in the New Jersey Register dated January 2, 2024. A final version of the Basis and Background (B&B) document containing the full text of the proposed revisions to the Rate Schedule, together with supporting information is available from the New Jersey Water Supply Authority's website at <http://www.njwsa.org> or individual requests for the full text of the proposed rate adjustments should be sent to the New Jersey Water Supply Authority.

The Authority will conduct a Pre-public Hearing meeting with its contractual water users and any interested parties by means of Microsoft Teams online platform and teleconference service at 10:00 a.m. on Friday, January 5, 2024 to present and explain the rate adjustment proposal, answer questions, and provide any additional data requested in accordance with the rate making procedure specified in N.J.A.C. 7:11-2.14.

Notice is hereby given that the Authority will hold a Public Hearing by means of Microsoft Teams online platform and teleconference service on Friday, February 2, 2024 at 10:00 a.m.

to provide the opportunity for public comments and statements on the proposed revisions. Interested persons may present statements orally or in writing relevant to the proposed action.

Details for joining either meeting will be available on the Authority's website at <http://www.njwsa.org>, by request to [mrollman@njwsa.org](mailto:mrollman@njwsa.org), or by calling 908-638-6121 ext. 242.

Written comments may be submitted until March 11, 2024 at which time the public record will be closed.

All comments should be addressed to:

Executive Director  
New Jersey Water Supply Authority  
1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809  
[info@njwsa.org](mailto:info@njwsa.org)



NJ Advance Media  
 Woodbridge Corporate Plaza  
 ATTN: Legal Advertising Dept.  
 485 Route 1 South  
 Bldg E., Suite 300  
 Iselin, NJ 08830



Star-Ledger

NEW JERSEY WATER SUPPLY AUTHORITY  
 PO BOX 5196  
 CLINTON, NJ 88090-1960

AD#:0010802990

Sales Rep: NJ LegalRepNJ  
 Account Number:1160910  
 AD#: 0010802990

FOR QUESTIONS CONCERNING THIS AFFIDAVIT,  
 PLEASE CALL 732-902-4318 OR EMAIL legalads@njadvancemedia.com

Remit Payment to:  
 NJ Advance Media  
 Dept 77571  
 P.O. Box 77000  
 Detroit, MI 48277-0571

Date	Position	Description	P.O. Number	Costs
12/21/2023	Notices NJ	NEW JERSEY WATER SUPPLY AUTHORITY Notice of Rate Proposal	FY2025 Raritan Rate Advertisement	
			Ad Size	
			1 x 122 L	
			Affidavit Fee - 12/21/2023	\$100.00
			Basic Ad Charge - 12/21/2023	\$104.92
			Total	\$204.92

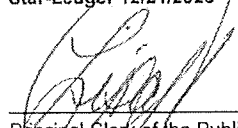
CLAIMANTS CERTIFICATION AND DECLARATION	
<p>I do solemnly declare and certify under the penalties of law that this bill or invoice is correct in all its particulars, that the goods have been furnished or services have been rendered as stated herein, that no bonus has been given or received by any person or persons within the knowledge of this claimant in connection with the above claim, that the amount herein stated is justly due and owing, and that the amount charged is a reasonable one.</p>	
Date: <u>12/26/2023</u>	Fed ID#: <u>13-4123607</u>
Signature: <u>Chris Tighe</u>	Official Position: <u>AR Manager</u>
CERTIFICATION BY RECEIVING AGENCY	CERTIFICATION BY APPROVAL OFFICIAL
<p>I, having knowledge of the facts, certify and declare that the goods have been received or the services rendered and are in compliance with the specifications or other requirements, and said certification is based on signed delivery slips or other reasonable procedures or verifiable information.</p>	<p>I certify and declare that this bill or invoice is correct, and that sufficient funds are available to satisfy this claim. The Payment shall be chargeable to:</p>
Signature: _____	Appropriation Account(s) and Amounts Charged: _____ P.O.#: _____
Title: _____ Date: _____	Signature: _____




State of New Jersey,) ss  
County of Middlesex)

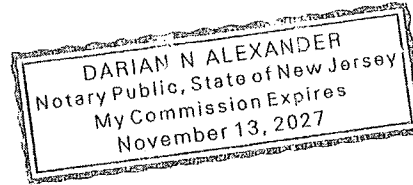
Lisa Arrington being duly sworn, deposes that he/she is principal clerk of NJ Advance Media; that Star-Ledger is a public newspaper, with general circulation in Atlantic, Burlington, Cape May, Essex, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union, and Warren Counties, and this notice is an accurate and true copy of this notice as printed in said newspaper, was printed and published in the regular edition and issue of said newspaper on the following date(s):

Star-Ledger 12/21/2023

  
\_\_\_\_\_  
Principal Clerk of the Publisher

Sworn to and subscribed before me this 26th day of December 2023

  
\_\_\_\_\_  
Notary Public



**NEW JERSEY WATER SUPPLY  
AUTHORITY**

**Notice of Rate Proposal –  
Raritan Basin System**

Take notice pursuant to the provisions of Chapter 293 of the Laws of 1981 (N.J.S.A. 58:1B-1 et. seq.) the New Jersey Water Supply Authority has proposed no revisions to its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to cover the Authority's Operational and Debt Service expenses for the Authority's fiscal year which commences on July 1, 2024.

The proposed rates will constitute no change in FY2025 to the existing regulations found at N.J.A.C. 7:11-2.1 et seq. as follows: no change in the sales base of 182,339 million gallons per day; no change to the Operations and Maintenance Rate Component of \$203.00 per million gallons; no change to the Debt Service Rate Component for the New Jersey Environmental Infrastructure Financing Program of \$109.00 per million gallons; no change in the Source Water Protection Fund Component

of \$20.00 per million gallons; and no change in the Capital Fund Component of \$33.00 per million gallons.

The proposal is scheduled to be published in the New Jersey Register dated January 2, 2024. A final version of the Basis and Background (B&B) document containing the full text of the proposed revisions to the Rate Schedule, together with supporting information is available from the New Jersey Water Supply Authority's website at <http://www.njwsa.org> or individual requests for the full text of the proposed rate adjustments should be sent to the New Jersey Water Supply Authority.

The Authority will conduct a Pre-public Hearing meeting with its contractual water users and any interested parties by means of Microsoft Teams online platform and teleconference service at 10:00 a.m. on Friday, January 5, 2024 to present and explain the rate adjustment proposal, answer questions, and provide any additional data requested in accordance with the rate making procedure specified in

N.J.A.C. 7:11-2.14.

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Details for joining either meeting will be available on the Authority's website at <http://www.njwsa.org>, by request to [mrollman@njwsa.org](mailto:mrollman@njwsa.org), or by calling 908-638-6121 ext. 242.

Written comments may be submitted until March 11, 2024 at which time the public record will be closed.

All comments should be addressed to:

Executive Director  
New Jersey Water Supply  
Authority  
1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809

info@njwsa.org  
12/21/23 \$104.92

**Isabel Valente**

---

**From:** NJ Advance Media Legal Advertising <legalads@support.njadvance-media.com>  
**Sent:** Wednesday, December 13, 2023 12:01 PM  
**To:** Isabel Valente  
**Subject:** Re: [NJAM - I #329-16-734] 10802989 (HCD), 10802990 (SL) & 10802993 (TT) - 12/21 HCD, SL & TT NEW JERSEY WATER SUPPLY AUTHORITY RARITAN BASIN RATE PROPOSAL  
**Attachments:** NJWSA 10802993.pdf; NJWSA 10802990.pdf; NJWSA 10802989.pdf

Hi Isabel.

As per your request, your Legal ad will run in The Hunterdon County Democrat, The Star-Ledger and The Times of Trenton on December 21, 2023. Your notice will also appear on nj.com under Legal Notices for 30 days. Legal liner ads will also appear on New Jersey Press Association's website <https://www.njpublicnotices.com/> in perpetuity

For your reference:

- account number: 1160910
  
- the ad number is: 10802989 (Hunterdon County Democrat)
- Cost: \$51.39, includes ad cost & affidavit
  
- the ad number is: 10802990 (Star Ledger)
- Cost: \$204.92, includes ad cost & affidavit
  
- the ad number is: 10802993 (Times of Trenton)
- Cost: \$76.02, includes ad cost & affidavit

Please confirm receipt of this email - attached are proofs of your ads, please review for corrections if needed (if anything is missing, needs to be revised, and/or removed from the ad text) and reply back with approval of the ad copy or any corrections or revises by deadline, 3:00pm Tuesday, December 19, 2023.

PLEASE CONFIRM or your ads will run as is.

You will receive the bills within 10 business days of the ad's last publication date. The affidavits will be mailed with the bills.

Please call 732-902-4318 with any questions.

Thank you for choosing the Star Ledger,

Jeanette Kryzmaliski  
NJ Advance Media  
Operations Coordinator, Inside Sales

***Advertising Terms and Conditions***

This confirms that any advertisements submitted by you are subject to the terms and conditions contained in the following link: <http://www.njadvancemedia.com/terms-and-conditions/>. By proceeding to submit the advertisements, you are acknowledging your agreement to these terms and conditions.

NEW JERSEY WATER SUPPLY  
AUTHORITY

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Executive Director  
New Jersey Water Supply  
Authority  
1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809  
[info@njwsa.org](mailto:info@njwsa.org)  
12/21/23 \$104.92

NJ Advance Media  
 Woodbridge Corporate Plaza  
 ATTN: Legal Advertising Dept.  
 485 Route 1 South  
 Bldg E., Suite 300  
 Iselin, NJ 08830



# Times of Trenton

NEW JERSEY WATER SUPPLY AUTHORITY  
 PO BOX 5196  
 CLINTON, NJ 88090-1960

AD#:0010802993

Sales Rep: NJ LegalRepNJ  
 Account Number:1160910  
 AD#: 0010802993

FOR QUESTIONS CONCERNING THIS AFFIDAVIT,  
 PLEASE CALL 609-989-5659 OR EMAIL legalads@njtimes.com

Remit Payment to:  
 NJ Advance Media  
 Dept 77571  
 P.O. Box 77000  
 Detroit, MI 48277-0571

Date	Position	Description	P.O. Number	Costs
12/21/2023	Notices NJ	NEW JERSEY WATER SUPPLY AUTHORITY Notice of Rate Proposal	FY2025 Raritan Rate Advertisement	
			Ad Size	
			3 x 59 L	
			Affidavit Fee - 12/21/2023	\$30.00
			Basic Ad Charge - 12/21/2023	\$46.02
			Total	\$76.02

CLAIMANTS CERTIFICATION AND DECLARATION	
I do solemnly declare and certify under the penalties of law that this bill or invoice is correct in all its particulars, that the goods have been furnished or services have been rendered as stated herein, that no bonus has been given or received by any person or persons within the knowledge of this claimant in connection with the above claim, that the amount herein stated is justly due and owing, and that the amount charged is a reasonable one.	
Date: <u>12/26/2023</u>	Fed ID#: <u>13-4123607</u>
Signature: <u>Chris Tighe</u>	Official Position: <u>AR Manager</u>
CERTIFICATION BY RECEIVING AGENCY	CERTIFICATION BY APPROVAL OFFICIAL
I, having knowledge of the facts, certify and declare that the goods have been received or the services rendered and are in compliance with the specifications or other requirements, and said certification is based on signed delivery slips or other reasonable procedures or verifiable information.	I certify and declare that this bill or invoice is correct, and that sufficient funds are available to satisfy this claim. The Payment shall be chargeable to:
Signature: _____	Appropriation Account(s) and Amounts Charged: _____ P.O.#: _____
Date: _____	Signature: _____



State of New Jersey,) ss  
County of Middlesex)

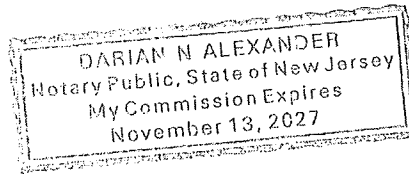
Lisa Arrington being duly sworn, deposes that he/she is principal clerk of NJ Advance Media; that Times of Trenton is a public newspaper, with general circulation in Burlington, Hunterdon, Mercer, Middlesex, Monmouth, Ocean, and Somerset Counties, and this notice is an accurate and true copy of this notice as printed in said newspaper, was printed and published in the regular edition and issue of said newspaper on the following date(s):

Times of Trenton 12/21/2023

\_\_\_\_\_  
Principal Clerk of the Publisher

Sworn to and subscribed before me this 26th day of December 2023

\_\_\_\_\_  
Notary Public



NEW JERSEY WATER SUPPLY AUTHORITY

Notice of Rate Proposal – Raritan Basin System

Take notice pursuant to the provisions of Chapter 293 of the Laws of 1981 (N.J.S.A. 58:1B-1 et. seq.) the New Jersey Water Supply Authority has proposed no revisions to its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to cover the Authority's Operational and Debt Service expenses for the Authority's fiscal year which commences on July 1, 2024.

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The Authority will conduct a Pre-public Hearing meeting with its contractual water users and any interested parties by means of Microsoft Teams online platform and teleconference service at 10:00 a.m. on Friday, January 5, 2024 to present and explain the rate adjustment proposal, answer questions, and provide any additional data requested in accordance with the rate making procedure specified in N.J.A.C. 7:11-2.14.

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Written comments may be submitted until March 11, 2024 at which time the public record will be closed.

All comments should be addressed to:

Executive Director  
New Jersey Water Supply Authority  
1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809  
[info@njwsa.org](mailto:info@njwsa.org)  
12/21/23 THE TIMES \$46.02



## Isabel Valente

---

**From:** NJ Advance Media Legal Advertising <legalads@support.njadvance-media.com>  
**Sent:** Wednesday, December 13, 2023 12:01 PM  
**To:** Isabel Valente  
**Subject:** Re: [NJAM - I #329-16-734] 10802989 (HCD), 10802990 (SL) & 10802993 (TT) - 12/21 HCD, SL & TT NEW JERSEY WATER SUPPLY AUTHORITY RARITAN BASIN RATE PROPOSAL  
**Attachments:** NJWSA 10802993.pdf; NJWSA 10802990.pdf; NJWSA 10802989.pdf

Hi Isabel.

As per your request, your Legal ad will run in The Hunterdon County Democrat, The Star-Ledger and The Times of Trenton on December 21, 2023. Your notice will also appear on nj.com under Legal Notices for 30 days. Legal liner ads will also appear on New Jersey Press Association's website <https://www.njpublicnotices.com/> in perpetuity

For your reference:

- account number: 1160910
- the ad number is: 10802989 (Hunterdon County Democrat)  
• Cost: \$51.39, includes ad cost & affidavit
- the ad number is: 10802990 (Star Ledger)  
• Cost: \$204.92, includes ad cost & affidavit
- the ad number is: 10802993 (Times of Trenton)  
• Cost: \$76.02, includes ad cost & affidavit

Please confirm receipt of this email - attached are proofs of your ads, please review for corrections if needed (if anything is missing, needs to be revised, and/or removed from the ad text) and reply back with approval of the ad copy or any corrections or revises by deadline, 3:00pm Tuesday, December 19, 2023.

PLEASE CONFIRM or your ads will run as is.

You will receive the bills within 10 business days of the ad's last publication date. The affidavits will be mailed with the bills.

Please call 732-902-4318 with any questions.

Thank you for choosing the Star Ledger,

Jeanette Kryzmalwski  
NJ Advance Media  
Operations Coordinator, Inside Sales

### ***Advertising Terms and Conditions***

This confirms that any advertisements submitted by you are subject to the terms and conditions contained in the following link: <http://www.njadvancemedia.com/terms-and-conditions/>. By proceeding to submit the advertisements, you are acknowledging your agreement to these terms and conditions.

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Executive Director  
New Jersey Water Supply Authority  
1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809  
[info@njwsa.org](mailto:info@njwsa.org)  
12/21/23 THE TIMES \$46.02

NJ Advance Media  
 ATTN: Legal Advertising Dept.  
 200 State Route 31 N  
 Suite 115  
 Flemington, NJ 08822-5819



Hunterdon County Democrat

NEW JERSEY WATER SUPPLY AUTHORITY  
 PO BOX 5196  
 CLINTON, NJ 88090-1960

AD#:0010802989

Sales Rep: NJ LegalRepNJ  
 Account Number:1160910  
 AD#: 0010802989

FOR QUESTIONS CONCERNING THIS AFFIDAVIT,  
 PLEASE CALL 800-718-2971 OR EMAIL hdlegalads@njadvancemedia.com

Remit Payment to:  
 NJ Advance Media  
 Dept 77571  
 P.O. Box 77000  
 Detroit, MI 48277-0571

Date	Position	Description	P.O. Number	Costs
12/21/2023	Notices NJ	NEW JERSEY WATER SUPPLY AUTHORITY Notice of Rate Proposal	FY2025 Raritan Rate Advertisement	
			Ad Size	
			2 x 50 L	
			Affidavit Fee - 12/21/2023	\$6.00
			Basic Ad Charge - 12/21/2023	\$45.39
			Total	\$51.39

CLAIMANT'S CERTIFICATION AND DECLARATION	
I do solemnly declare and certify under the penalties of law that this bill or invoice is correct in all its particulars, that the goods have been furnished or services have been rendered as stated herein, that no bonus has been given or received by any person or persons within the knowledge of this claimant in connection with the above claim, that the amount herein stated is justly due and owing, and that the amount charged is a reasonable one.	
Date: <u>12/21/2023</u>	Fed ID#: <u>13-4123607</u>
Signature: <u>Chris Tighe</u>	Official Position: <u>AR Manager</u>
CERTIFICATION BY RECEIVING AGENCY	CERTIFICATION BY APPROVAL OFFICIAL
I, having knowledge of the facts, certify and declare that the goods have been received or the services rendered and are in compliance with the specifications or other requirements, and said certification is based on signed delivery slips or other reasonable procedures or verifiable information.	I certify and declare that this bill or invoice is correct, and that sufficient funds are available to satisfy this claim. The Payment shall be chargeable to:
Signature: _____	Appropriation Account(s) and Amounts Charged: _____
Date: _____	P.O.#: _____
	Signature: _____



# Hunterdon County Democrat

LEGAL AFFIDAVIT

AD#: 0010802989

Total

\$51.39

State of New Jersey,) ss

County of Hunterdon)

Loretta Doran being duly sworn, deposes that he/she is principal clerk of NJ Advance Media; that Hunterdon County Democrat is a public newspaper, with general circulation in Hunterdon, Mercer, Somerset, and Warren Counties, and this notice is an accurate and true copy of this notice as printed in said newspaper, was printed and published in the regular edition and issue of said newspaper on the following date(s):

Hunterdon County Democrat 12/21/2023

Principal Clerk of the Publisher

Sworn to and subscribed before me this 21th day of December 2023



Notary Public

### NEW JERSEY WATER SUPPLY AUTHORITY

#### Notice of Rate Proposal – Raritan Basin System

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1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809  
[info@njwsa.org](mailto:info@njwsa.org)  
(Pr's fee \$51.39)

12/21/2023

## Isabel Valente

---

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**Sent:** Wednesday, December 13, 2023 12:01 PM  
**To:** Isabel Valente  
**Subject:** Re: [NJAM - I #329-16-734] 10802989 (HCD), 10802990 (SL) & 10802993 (TT) - 12/21  
HCD, SL & TT NEW JERSEY WATER SUPPLY AUTHORITY RARITAN BASIN RATE  
PROPOSAL  
**Attachments:** NJWSA 10802993.pdf; NJWSA 10802990.pdf; NJWSA 10802989.pdf

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Thank you for choosing the Star Ledger,

Jeanette Kryzimalski  
NJ Advance Media  
Operations Coordinator, Inside Sales

### ***Advertising Terms and Conditions***

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NEW JERSEY WATER SUPPLY AUTHORITY

Notice of Rate Proposal – Raritan Basin System

Take notice pursuant to the provisions of Chapter 293 of the Laws of 1981 (N.J.S.A. 58:1B-1 et. seq.) the New Jersey Water Supply Authority has proposed no revisions to its Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to cover the Authority's Operational and Debt Service expenses for the Authority's fiscal year which commences on July 1, 2024.

The proposed rates will constitute no change in FY2025 to the existing regulations found at N.J.A.C. 7:11-2.1 et seq, as follows: no change in the sales base of 182,339 million gallons per day; no change to the Operations and Maintenance Rate Component of \$203.00 per million gallons; no change to the Debt Service Rate Component for the New Jersey Environmental Infrastructure Financing Program of \$109.00 per million gallons; no change in the Source Water Protection Fund Component of \$20.00 per million gallons; and no change in the Capital Fund Component of \$33.00 per million gallons.

The proposal is scheduled to be published in the New Jersey Register dated January 2, 2024. A final version of the Basis and Background (B&B) document containing the full text of the proposed revisions to the Rate Schedule, together with supporting information is available from the New Jersey Water Supply Authority's website at <http://www.njwsa.org> or individual requests for the full text of the proposed rate adjustments should be sent to the New Jersey Water Supply Authority.

The Authority will conduct a Pre-public Hearing meeting with its contractual water users and any interested parties by means of Microsoft Teams online platform and teleconference service at 10:00 a.m. on Friday, January 5, 2024 to present and explain the rate adjustment proposal, answer questions, and provide any additional data requested in accordance with the rate making procedure specified in N.J.A.C. 7:11-2.14.

Notice is hereby given that the Authority will hold a Public Hearing by means of Microsoft Teams online platform and teleconference service on Friday, February 2, 2024 at 10:00 a.m. to provide the opportunity for public comments and statements on the proposed revisions. Interested persons may present statements orally or in writing relevant to the proposed action.

Details for joining either meeting will be available on the Authority's website at <http://www.njwsa.org>, by request to [mrollman@njwsa.org](mailto:mrollman@njwsa.org), or by calling 908-638-6121 ext. 242.

Written comments may be submitted until March 11, 2024 at which time the public record will be closed.

All comments should be addressed to:

Executive Director  
New Jersey Water Supply Authority  
1851 Highway 31  
Post Office Box 5196  
Clinton, New Jersey 08809  
[info@njwsa.org](mailto:info@njwsa.org)  
(Pr's fee \$51.39) 12/21/2023

Ms. Angel Albanese  
Township of East Brunswick  
P.O. Box 1081  
East Brunswick, NJ 8816

Mr. John Alexander  
Royce Brook Golf Course  
201 Hamilton Road  
Hillsborough, NJ 8844

Mr. Timothy Bakels  
Hamilton Farm Golf Club  
1040 Pottersville Road  
Gladstone, NJ 7934

Mr. Claude Bertrand  
Hunterdon Medical Center  
2100 Wescott Drive  
Flemington, NJ 8822

Mr. Richard Brand  
East Windsor MUA  
7 Wiltshire Drive  
East Windsor, NJ 8520

Mr. Kevin Breuer  
Springdale Golf Club  
1895 Club House Drive  
Princeton, NJ 8540

Mr. David Brogle  
Middlesex Water Company  
P.O. Box 1500  
Iselin, NJ 8830

Mr. Michael Broncatello  
NJDWSC  
One F.A. Orechio Drive  
Wanaque, NJ 7465

Mr. Anthony Cappa  
N. Brunswick Water Treatment Plant  
782 Canal Road  
Somerset, NJ 8873

Mr. Matthew Czik  
New Jersey American Water  
149 Yellowbrook Road, Ste. 109  
Farmingdale, NJ 7727

Mr. Dennis Doll  
Middlesex Water Company  
P.O. Box 1500  
Iselin, NJ 8830

Mr. Justin Dorman  
Roxiticus Golf Club  
P.O. Box 278 & Bliss Road  
Mendham, NJ 7945

Ms. Erin Embler  
New Jersey American Water  
1 Water Street  
Camden, NJ 8102

Mr. David Fournier  
SUEZ, Lambertville  
765 Brunswick Pike  
Lambertville, NJ 0

Mr. Robert Fullagar  
Middlesex Water Company  
P.O. Box 1500  
Iselin, NJ 8830

Mr. Zach Gallagher  
Applied Water Management  
170 Township Line Rd., Bldg C  
Hillsborough, NJ 8844

Mr. Larry Gindoff  
Morris County MUA  
214A Center Grove Road  
Randolph, NJ 7869

Mr. Michael Guida  
Eastern Concrete Materials  
250 Pehle Ave., Ste. 503  
Saddle Brook, NJ 0

Jamie Hawn  
New Jersey American Water  
1 Water Street  
Camden, NJ 8102

Mr. Michael Kammer  
State of New Jersey, BPU  
44 S. Clinton Avenue  
P.O. Box 350  
Trenton, NJ 0

Mr. Oleg Kostin  
New Jersey American Water  
P.O. Box 102  
Bound Brook, NJ 8805

Mr. Robert Krupnik  
4 Miller Lane  
White House Station, NJ 8889

Mr. William Lewis  
New Jersey American Water  
P.O. Box 102  
Bound Brook, NJ 8844

Mr. Brian Lipman  
Div. of the Rate Counsel  
140 E. Front St.  
P.O. Box 003  
Trenton, NJ 8625

Mr. Frank Marascia  
New Jersey American Water  
27 St. Andrews Drive  
Washington, NJ 7882

Ms. Susan McClure  
Div. of Ratepayer Advocate  
140 E. Front St.  
P.O. Box 003  
Trenton, NJ 8625

Mr. Joel Moore  
The Ridge at Back Brook  
211 Wertsville Road  
Ringoos, NJ 8551

Mr. Alexander Mueller  
Raritan Valley Country Club  
747 State Route 28  
Bridgewater, NJ 0

Mr. Richard Mulrine  
City of New Brunswick  
City Hall - 78 Bayard Street  
New Brunswick, NJ 8903

Mr. Bruce O'Conner  
Middlesex Water Company  
P.O. Box 1500  
Iselin, NJ 8830

Mr. Robert Ortego, P.E.  
Princeton University - Facility  
Operations  
100 Elm Drive  
Princeton, NJ 8543

Peter Peterson  
Veolia North America  
782 Canal Rd.  
Somerset, NJ 8873

Mr. Mattias Schroeter  
The Borough of Glen Gardner  
83 Main Street  
P.O. Box 307  
Glen Gardner, NJ 8826

Mr. Abe Silverman  
State of New Jersey, BPU  
44 S. Clinton Avenue  
P.O. Box 350  
Trenton, NJ 0

Mr. John Stevens  
SUEZ  
461 From Road #400  
Paramus, NJ 7652

Mr. Thomas Tuttle  
Trenton Country Club  
201 Sullivan Way  
West Trenton, NJ 8628

Mr. Aaron Watson  
Mercer Cty Pk Commission  
The Historic Hunt House  
197 Blackwell Road  
Pennington, NJ 8534

Mr. Christopher White  
Stonebridge Community Assoc.  
1 Cobblestone Blvd.  
Monroe, NJ 8831

Water Department  
Mount Olive Township  
204 Flanders Drakestown Road  
Budd Lake, NJ 7828

Mr. Robert Osborne  
Raritan Valley Country Club  
747 State Route 28  
Bridgewater, NJ 0

Mr. Jason Pierce  
Heron Glen Golf Course  
Hunterdon County Finance Dept.  
110 State Hwy. 202/31  
Ringoes, NJ 8851

Mr. David Shope  
P.O. Box 651  
Long Valley, NJ 7853

Mr. Geoffrey Soriano  
Somerset County Park Commission  
P.O. Box 3000  
Somerville, NJ 8876

Ms. Carmen Tierno  
New Jersey American Water  
P.O. Box 102  
Bound Brook, NJ 8844

Ms. Margaret Waldock  
Duke Farms Foundation  
80 Route 206  
Hillsborough, NJ 8844

The Hon. Tahesha Way  
Department of State  
125 W. State Street  
P.O. Box 300  
Trenton, NJ 8625

Ms. Helen Wojtenko  
Plasma Physics Laboratory  
Princeton University  
P.O. Box 451  
Princeton, NJ 8543

Mr. Tom Pepe  
Trump National/Lamington Farm Club  
567 Lamington Road  
Bedminster, NJ 7921

Ms. Justine Progebin  
No. Brunswick Mun. Complex  
710 Hermann Road  
North Brunswick, NJ 8902

Mr. Toby Shor  
Village Grande @ Bear Creek  
100 Brande Boulevard  
West Windsor Twp., NJ 8550

Mr. Craig Spencer  
Washington Township, MUA  
P.O. Box 226  
46 E. Mill Road  
Long Valley, NJ 7853

Ms. Michele Tilley  
Middlesex Water Company  
485C Route 1 South, Suite 400  
Iselin, NJ 8830

Mr. Alexei Walus  
City of New Brunswick  
City Hall - 78 Bayard Street  
New Brunswick, NJ 8903

Mr. Guy Weisser  
Village Grande @ Bear Creek  
100 Grande Boulevard  
West Windsor, NJ 8550

State of New Jersey  
c/o EnergySolve  
UBAR 0973  
P.O. Box 6260  
Somerset, NJ 8875



## **Michelle Rollman**

---

**From:** Michelle Rollman  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**To:** Michelle Rollman  
**Subject:** NJWSA NOTICES OF RATE PROPOSALS  
**Attachments:** Notice FY2025 Proposed RBS Rates.pdf; Notice FY2025 Proposed MRS Rates.pdf

Pursuant to the requirements of the Administrative Procedure Act, N.J.S.A. 52:14B-1 et seq., administrative agencies are required to distribute notice of proposed rulemaking activities to the news media maintaining a press office at the State House Complex. In satisfaction of this requirement, the New Jersey Water Supply Authority is forwarding to you the attached two notices of rate proposals.

Please find attached the New Jersey Water Supply Authority Notice of Rate Proposal for the Raritan Basin System as well as the Notice of Rate Proposal for the Manasquan Reservoir System.

Many thanks and Happy Holidays,  
Michelle Rollman

**Michelle Rollman**  
Finance and Accounting Analyst  
New Jersey Water Supply Authority  
Clinton Administration Building  
1851 State Route 31  
P.O. Box 5196  
Clinton, NJ 08809  
P: (908) 638-6121 x242  
F: (908) 638-5241  
[mrollman@njwsa.org](mailto:mrollman@njwsa.org)

**From:** [HCD News](#)  
**To:** [Michelle Rollman](#)  
**Subject:** Automatic reply: NJWSA NOTICES OF RATE PROPOSALS  
**Date:** Tuesday, December 19, 2023 11:57:06 AM

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Thank you for reaching out to NJ Advance Media. Because of the volume of emails received, we cannot respond to individual emails. While NJ Advance Media makes every attempt to publish items submitted, not all can be used online and in print.

If you have an item for the community or entertainment calendar, please visit <https://www.jerseysbest.com/events/>.

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[https://www.nj.com/interact/page/contact\\_us\\_information\\_user\\_services\\_and\\_more\\_on\\_njcom.html](https://www.nj.com/interact/page/contact_us_information_user_services_and_more_on_njcom.html).

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If you are looking to publish an advertisement for a wedding, anniversary or birth, please email [placead@njadvancemedia.com](mailto:placead@njadvancemedia.com).

**From:** [postmaster@cvcmail.onmicrosoft.com](mailto:postmaster@cvcmail.onmicrosoft.com)  
**To:** [news12nj@news12.com](mailto:news12nj@news12.com)  
**Subject:** Delivered: External E-mail - NJWSA NOTICES OF RATE PROPOSALS  
**Date:** Thursday, January 25, 2024 10:50:20 AM  
**Attachments:** [External E-mail - NJWSA NOTICES OF RATE PROPOSALS.msg](#)

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Your message has been delivered to the following recipients:  
[news12nj@news12.com](mailto:news12nj@news12.com) <<mailto:news12nj@news12.com>>  
Subject: External E-mail - NJWSA NOTICES OF RATE PROPOSALS

**Michelle Rollman**

---

**From:** postmaster@cvcmail.onmicrosoft.com  
**To:** news12nj@news12.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: External E-mail - NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[news12nj@news12.com](mailto:news12nj@news12.com)

Subject: External E-mail - NJWSA NOTICES OF RATE PROPOSALS



External E-mail -  
NJWSA NOTICE...

**Michelle Rollman**

---

**From:** postmaster@onclusive.com  
**To:** NewJersey@applanner.com  
**Sent:** Tuesday, December 19, 2023 11:58 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[NewJersey@applanner.com](mailto:NewJersey@applanner.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



NJWSA NOTICES  
OF RATE PROPO...

## Michelle Rollman

---

**From:** postmaster@thirteen.onmicrosoft.com  
**To:** aronm@njtvonline.org  
**Sent:** Tuesday, December 19, 2023 11:58 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[aronm@njtvonline.org](mailto:aronm@njtvonline.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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**Michelle Rollman**

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**From:** postmaster@thirteen.onmicrosoft.com  
**To:** aronm@njtvonline.org  
**Sent:** Tuesday, December 19, 2023 11:58 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[aronm@njtvonline.org](mailto:aronm@njtvonline.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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**Michelle Rollman**

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**From:** postmaster@advancelocal.net  
**To:** news@njtimes.com  
**Sent:** Tuesday, December 19, 2023 11:58 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[news@njtimes.com](mailto:news@njtimes.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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## Michelle Rollman

---

**From:** postmaster@townsquaremedia.com  
**To:** newsjerz@nj1015.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[newsjerz@nj1015.com](mailto:newsjerz@nj1015.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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**Michelle Rollman**

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**From:** postmaster@advancelocal.net  
**To:** bjohnson@njadvancemedia.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[bjohnson@njadvancemedia.com](mailto:bjohnson@njadvancemedia.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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**Michelle Rollman**

---

**From:** postmaster@advancelocal.net  
**To:** bjohnson@njadvancemedia.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[bjohnson@njadvancemedia.com](mailto:bjohnson@njadvancemedia.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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**Michelle Rollman**

---

**From:** postmaster@townsquaremedia.com  
**To:** eric.scott@townsquaremedia.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[eric.scott@townsquaremedia.com](mailto:eric.scott@townsquaremedia.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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## Michelle Rollman

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**From:** postmaster@advancelocal.net  
**To:** slivio@njadvancemedia.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

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[slivio@njadvancemedia.com](mailto:slivio@njadvancemedia.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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**Michelle Rollman**

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**From:** postmaster@advancelocal.net  
**To:** news@hcdemocrat.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[news@hcdemocrat.com](mailto:news@hcdemocrat.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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OF RATE PROPO...

## Michelle Rollman

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**From:** postmaster@advancelocal.net  
**To:** tmartello@njadvancemedia.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[tmartello@njadvancemedia.com](mailto:tmartello@njadvancemedia.com)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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## Michelle Rollman

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**From:** postmaster@ap.org  
**To:** mcatalini@ap.org  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[mcatalini@ap.org](mailto:mcatalini@ap.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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## Michelle Rollman

---

**From:** Mail Delivery System <MAILER-DAEMON@dispatch1-us1.ppe-hosted.com>  
**To:** newstips@pressofac.com; wkeough@pressofac.com; briang.thompson@nbcuni.com;  
wcaudesk@nbcuni.com; editor@trentonian.com; info@1010winsmail.com; jalt@thedailyjournal.com;  
newsroom@dailyrecord.com; desk@cbs2ny.com; bjordan@gannettnj.com;  
susann.l.mcgoldrick@abc.com; mcalpin@northjersey.com; stile@northjersey.com  
**Sent:** Tuesday, December 19, 2023 11:57 AM  
**Subject:** Relayed: NJWSA NOTICES OF RATE PROPOSALS

This is the mail system at host dispatch1-us1.ppe-hosted.com.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<newstips@pressofac.com>: delivery via  
mxa-00292f01.gslb.pphosted.com[148.163.158.191]:25: 250 2.0.0 3v17d0bk7v-1  
Message accepted for delivery

<wkeough@pressofac.com>: delivery via  
mxa-00292f01.gslb.pphosted.com[148.163.158.191]:25: 250 2.0.0 3v17d0bk7v-1  
Message accepted for delivery

<briang.thompson@nbcuni.com>: delivery via  
mxb-00176a04.gslb.pphosted.com[67.231.157.49]:25: 250 2.0.0 3v1t3nwdxy-1  
Message accepted for delivery

<wcaudesk@nbcuni.com>: delivery via  
mxb-00176a04.gslb.pphosted.com[67.231.157.49]:25: 250 2.0.0 3v1t3nwdxy-1  
Message accepted for delivery

<editor@trentonian.com>: delivery via aspmx.l.google.com[108.177.122.26]:25:  
250 2.0.0 OK 1703004993  
g35-20020a81ae6300000b005e79a947ecbsi1020192ywk.357 - gsmtip

<info@1010winsmail.com>: delivery via smtp.google.com[142.250.105.26]:25: 250  
2.0.0 OK 1703004993 c185-20020a254ec2000000b00dbcb5cd36aasi9129629ybb.554  
- gsmtip

<jalt@thedailyjournal.com>: delivery via  
us-smtp-inbound-1.mimecast.com[205.139.110.141]:25: 250  
SmtipThread-5559761-1703004993416@us-mta-682.us.mimecast.lan Received OK  
[097eUW62O1eEBSZNXI4\_ZQ.us682]

<newsroom@dailyrecord.com>: delivery via  
us-smtp-inbound-2.mimecast.com[207.211.30.141]:25: 250  
SmtipThread-6129046-1703004993675@us-mta-653.us.mimecast.lan Received OK  
[VutkxuruM-CiNsHv9PJM\_g.us653]

<desk@cbs2ny.com>: delivery via  
mxa-00262c01.gslb.pphosted.com[148.163.148.230]:25: 250 2.0.0 3v2ypny1ws-1  
Message accepted for delivery

<bjordan@gannettnj.com>: delivery via  
us-smtp-inbound-2.mimecast.com[207.211.30.141]:25: 250  
SmtpThread-6129053-1703004993881@us-mta-653.us.mimecast.lan Received OK  
[9Eu9N3hJPWOAg00aUW-uKg.us653]

<susann.l.mcgoldrick@abc.com>: delivery via  
mx-b-00278502.gslb.pphosted.com[205.220.164.148]:25: 250 2.0.0 3v1rfupmuq-1  
Message accepted for delivery

<mcalpin@northjersey.com>: delivery via  
us-smtp-inbound-2.mimecast.com[205.139.110.141]:25: 250  
SmtpThread-5559764-1703004993496@us-mta-682.us.mimecast.lan Received OK  
[jzQdhvA2PRyEv10ZNKaR6g.us682]

<stile@northjersey.com>: delivery via  
us-smtp-inbound-2.mimecast.com[205.139.110.141]:25: 250  
SmtpThread-5559764-1703004993496@us-mta-682.us.mimecast.lan Received OK



Message Headers

[jzQdhvA2PRyEv10ZNKaR6g.us682]

**Michelle Rollman**

---

**From:** Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@njwsa.org>  
**To:** Darin Shaffer  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[Darin Shaffer \(dshaffer@njwsa.org\)](mailto:dshaffer@njwsa.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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OF RATE PROPO...

**Michelle Rollman**

---

**From:** Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@njwsa.org>  
**To:** Michelle Rollman  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

Michelle Rollman (mrollman@njwsa.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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OF RATE PROPO...

**Michelle Rollman**

---

**From:** Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@njwsa.org>  
**To:** Marc Brooks  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

Marc Brooks (mbrooks@njwsa.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



NJWSA NOTICES  
OF RATE PROPO...

**Michelle Rollman**

---

**From:** Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@njwsa.org>  
**To:** Susan Buckley  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

Susan Buckley (sbuckley@njwsa.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



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OF RATE PROPO...

**Michelle Rollman**

---

**From:** Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@njwsa.org>  
**To:** Susan Buckley  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

Susan Buckley (sbuckley@njwsa.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



NJWSA NOTICES  
OF RATE PROPO...

**Michelle Rollman**

---

**From:** Microsoft Outlook <MicrosoftExchange329e71ec88ae4615bbc36ab6ce41109e@njwsa.org>  
**To:** Robin Greg  
**Sent:** Tuesday, December 19, 2023 11:56 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

[Robin Greg \(rgreg@njwsa.org\)](mailto:rgreg@njwsa.org)

Subject: NJWSA NOTICES OF RATE PROPOSALS



NJWSA NOTICES  
OF RATE PROPO...



**Michelle Rollman**

---

**From:** postmaster@ap.org  
**To:** TRE-TrentonNJBureauMailbox@ap.org  
**Sent:** Tuesday, December 19, 2023 11:58 AM  
**Subject:** Delivered: NJWSA NOTICES OF RATE PROPOSALS

**Your message has been delivered to the following recipients:**

TRE-TrentonNJBureauMailbox@ap.org

Subject: NJWSA NOTICES OF RATE PROPOSALS



NJWSA NOTICES  
OF RATE PROPO...

**From:** Mail Delivery System  
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**Date:** Thursday, January 25, 2024 10:51:54 AM  
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New Jersey Register Notice

Exhibit D

Constituent	CASRN	Ground Water Quality Criterion*	Practical Quantitation Level (PQL)*	Higher of PQL and Ground Water Quality Criterion (ug/L)*
Thallium	7440-28-0	0.5	[2] 0.50	[2] 0.5
Toxaphene	8001-35-2	0.03	[2] 1.2	[2] 1.2
1,2,4-Trichlorobenzene	120-82-1	[9] 1.1	1	[9] 1.1
1,1,1-Trichloroethane (TCA)	71-55-6	[30] 1,900	1	[30] 1,900
1,1,2-Trichloroethane	79-00-5	[3] 0.58	[2] 0.24	[3] 0.58
Trichloroethylene (TCE)	79-01-6	[1] 0.28	[1] 0.10	[1] 0.28
2,4,6-Trichlorophenol	88-06-2	[1] 3.0	[20] 0.23	[20] 3.0
1,2,3-Trichloropropane (TCP)***	96-18-4	0.0005	[0.03] 0.0050	[0.03] 0.0050
Vinyl chloride	75-01-4	[0.08] 0.022	[1] 0.035	[1] 0.035

Explanation of Terms:

- \* = Ground water quality criteria and PQLs are expressed as micrograms per liter (µg/L) unless otherwise noted. Table 1
- \*\* = criteria are all maximum values unless clearly indicated as a range for which the minimum value is to the left and the
- \*\*\* = maximum value is to the right.
- PQL = Practical quantitation level as defined [in] at N.J.A.C. 7:9C-1.4
- CASRN = Chemical Abstracts [System Registration] Service Registry Number
- NA = not available for this constituent
- a = Asbestos criterion is measured in terms of fibers/liter longer than 10 micrometers (f/L >10 µm)
- CU = Standard Cobalt Units
- b = Threshold Odor Number
- (Total) = means the concentration of metal in an unfiltered sample following treatment with hot dilute mineral acid (as defined in "Methods for Chemical Analysis of Water & Wastes," USEPA-600/4-79-020, March 1979) or other digestion defined by the analytical method. However, samples that contain less than 1 nephelometric turbidity unit (NTU) and are properly preserved, may be directly analyzed without digestion.
- m = Pursuant to prevailing Safe Drinking Water Act rules, any positive result for fecal coliform is in violation of the MCL and is therefore an exceedance of the ground water quality criteria.

Where there is a decimal point after the ground water quality criterion or PQL, the zero, as well as the non-zero digits are considered significant.

CHAPTER 26D  
REMEDIATION STANDARDS

CHAPTER 7. UPDATING REMEDIATION STANDARDS

26D-7.2 Procedures for updating remediation standards

- (a) (No change.)
- (b) The Department shall update a soil and a soil leachate remediation standard for the migration to ground water exposure pathway at N.J.A.C. 26D Appendix 1 when a ground water quality criterion is updated pursuant to the Ground Water Quality Standards at N.J.A.C. 7:9C-7(c)[5].
- (c)-(e) (No change.)

(a)

**NEW JERSEY WATER SUPPLY AUTHORITY**  
**Rules for the Use of Water Supply Authority**  
**Property and Schedule of Rates, Charges, and**  
**Debt Service Assessments for the Sale of Water**  
**from the Raritan Basin System**  
**Proposed Amendments: N.J.A.C. 7:11-2.3, 2.4, 2.5,**  
**and 2.6**

Authorized By: New Jersey Water Supply Authority, Shawn M. LaTourette, Chair, and Commissioner, Department of Environmental Protection.  
Authority: N.J.S.A. 58:1B-7.

Calendar Reference: See Summary below for explanation of the exception to the calendar requirement.

DEP Docket Number: 2-23-11.  
Proposal Number: PRN 2024-004.

**Take notice** that in accordance with N.J.A.C. 7:11-2.14(a), the New Jersey Water Supply Authority (Authority) will hold a pre-public hearing meeting on January 5, 2024, at 10:00 A.M. and a public hearing on February 2, 2024, at 10:00 A.M. concerning this notice of proposal. Both the pre-public hearing meeting and public hearing will be conducted virtually through the Authority's video conferencing software, Microsoft Teams. Further information on accessing the pre-public hearing meeting and the public hearing will be posted on the Authority's website at <https://www.njwsa.org/public-notices.html> at least 15 days prior to the date of the meeting/hearing. Notice will also be sent to those who have subscribed to the Authority's rulemaking list service (listserv). To subscribe to the listserv, go to <https://www.njwsa.org/rate-proposals.html>.

Submit comments by March 2, 2024, electronically to the Authority at [info@njwsa.org](mailto:info@njwsa.org). The Authority encourages electronic submittal of comments. In the alternative, comments may be submitted on paper to:

Marc Brooks  
Executive Director  
New Jersey Water Supply Authority  
Attention: DEP Docket No. 2-23-11  
1851 Route 31  
PO Box 5196  
Clinton, NJ 08809

The Basis and Background document, which is available at the Authority's website <http://www.njwsa.org>, explains in further detail the financial justification for the proposed rate schedule. The rules can

## ENVIRONMENTAL PROTECTION

also be viewed or downloaded from the Authority's website, <http://www.njwsa.org>.  
The agency proposal follows:

**Summary**

As the Authority has provided a 60-day comment period on this notice of proposal, this notice is excepted from the rulemaking calendar requirement pursuant to N.J.A.C. 1:30-3.3(a)5.

The Authority is proposing to amend its Schedule of Rates, Charges, and Debt Service Assessments for the Sale of Water from the Raritan Basin System (System), to cover expenses for Fiscal Year (FY) 2025. The Authority operates on a July 1 to June 30 Fiscal Year. For FY 2025, there are no changes in the total overall rate of \$365.00 per million gallons of water (MG). The Authority anticipates the rates will be adopted and operative by July 1, 2024.

The general rate schedule for operations and maintenance (O&M) covers the System's operation expenses. This component, set forth at N.J.A.C. 7:11-2.3 and incorporated by reference in the stand-by charge at N.J.A.C. 7:11-2.12, was last adjusted effective July 1, 2023, when the amount was increased from \$194.00 to \$203.00 per MG. See 55 N.J.R. 3(a); 1289(a). The Authority is proposing no change to the rate of \$203.00 per MG for FY 2025.

The O&M rate component sales base is set forth at N.J.A.C. 7:11-2.3(a)8. The O&M rate component sales base for FY 2024 was 182.339 million gallons per day (MGD). The Authority anticipates no change in the sales base for FY 2025.

At N.J.A.C. 7:11-2.4(b), the debt service assessment rate for FY 2024 was based on a sales base of 182.339 MGD. The Authority anticipates the applicable sales base for FY 2025 will remain at 182.339 MGD. For FY 2025, the Authority is proposing no change to this rate component at \$109.00 per MG, to pay existing and anticipated debt service to the New Jersey Infrastructure Bank (NJIB), formerly New Jersey Environmental Infrastructure Financing Program (NJEIFP), for four projects: dredging a 10.5 mile stretch of the Delaware and Raritan Canal, rehabilitating three earthen embankments within the Authority's Round Valley Reservoir System (Round Valley Reservoir Rehabilitation Program), and two recently added projects; foundation grouting, and spillway improvements at the Authority's Spruce Run Reservoir. When the final bonds have been issued for all the projects, the rate may be adjusted to reflect the final debt service schedules.

The Authority established a Capital Fund Assessment (N.J.A.C. 7:11-2.5(c)) starting July 1, 1994. This component is used to fund the Authority's annual Capital Improvement Program, which includes projects to rehabilitate various culverts, canal embankments, and flow control structures, without incurring long-term debt. Projected capital costs for FY 2025 indicate that no change is necessary in the Capital Fund Assessment of \$33.00 per MG.

On July 1, 2002, the Authority established a Source Water Protection Fund Assessment (N.J.A.C. 7:11-2.6(b)). This component is based on the annual source water protection expenses to acquire and otherwise protect parcels of land critical to the preservation of System water quality and quantity. Projected costs for FY 2025 indicate that no change is necessary in the Source Water Protection Fund Assessment of \$20.00 per MG.

**Social Impact**

The proposed amendments will maintain the overall rate of \$365.00 per million gallons for FY 2025 and will ensure that the rates for raw water withdrawn, diverted, or allocated from the Raritan Basin System are equitably assessed and sufficient to provide the revenues required by the Authority.

The Raritan Basin System, comprising an area of 800 square miles and including the 11 billion gallon capacity Spruce Run Reservoir in Hunterdon County, the 55 billion gallon capacity Round Valley Reservoir in Hunterdon County, and the 60-mile long Delaware and Raritan Canal in Hunterdon, Mercer, Somerset, and Middlesex Counties, provides both active and passive public recreation opportunities, in addition, to a basic raw water supply for approximately two million individuals living in central New Jersey.

**Economic Impact**

The proposed adjustment to the rate schedule will result in a total charge for the uninterrupted untreated water supply from the System of \$365.00 per MG starting July 1, 2024. This is not a change relative to Fiscal Year 2024. The rate will continue to ensure that necessary insurance coverage is maintained for all aspects of the Authority's operations while also sustaining operations to meet and enhance the Authority's mission of managing the water supply. The regulatory amendments to the Schedule of Rates and Charges are in accordance with the Authority's statutory jurisdiction over System diversions that impact safe yield. There is no anticipated rate impact on the average New Jersey household in the billing area based on usage of 400 gallons per day per household.

**Environmental Impact**

The proposed amendments provide adequate financing of the Raritan River Basin System's upkeep and operation and will result in a positive environmental impact. A properly maintained and operated Raritan Basin System ensures that Raritan River Basin water users are protected. The Raritan Basin System also provides habitat for many species of waterfowl and wildlife in an increasingly urbanized region of the State.

The Raritan Basin System can supply a dependable 241 million gallons of water per day even throughout a recurrence of the worst drought on record while maintaining adequate river flows through the release of stored waters to support the Raritan River Basin's ecological systems and wildlife.

The Source Water Protection Fund has a positive environmental impact by providing greater protection to the Raritan River Basin's water quality and quantity through real estate acquisitions, coordinated government land management practices, and remedial projects.

The Capital Fund Component has a positive environmental impact by ensuring that sufficient funds are available to maintain the water delivery System. Proper maintenance of the reservoirs and the Delaware and Raritan Canal ensures that statutory passing flows are maintained in the Raritan River Basin, and that the Delaware and Raritan Canal can pass 100 million gallons of water daily from the Delaware River at Bulls Island to the Raritan River at Landing Lane in New Brunswick.

**Federal Standards Statement**

N.J.S.A. 52:14B-1 et seq. (P.L. 1995, c. 65), requires administrative agencies which adopt, readopt, or amend any rule or regulation to which the Executive Order and statutes apply to provide a comparison with Federal law, and to provide further discussion and analysis (including a cost-benefit analysis) if the standards or requirements by the agency exceed standards or requirements imposed by Federal law.

These amendments are promulgated pursuant to the Authority's procedures. The Authority is an instrumentality of the State of New Jersey in, but not of, the Department of Environmental Protection. The Authority is charged with the operation and management of the State-owned raw water supply facilities within the State of New Jersey.

These amendments are not proposed pursuant to the authority of, or in order to, implement, comply with, or participate in any program established pursuant to Federal law. In addition, the proposed amendments are not pursuant to the authority of a State statute that incorporates or refers to Federal law, Federal standards, or Federal requirements. Therefore, no Federal standards analysis is required.

**Jobs Impact**

The implementation of these amendments is not anticipated to result in the generation or loss of jobs.

**Agriculture Industry Impact**

In accordance with P.L. 1998, c. 48, which amends the Right to Farm Act, and in accordance with N.J.S.A. 52:14B-4(a)(2), which requires that an Agriculture Industry Impact statement be included a notice of proposal, the Authority has evaluated this rulemaking to determine the nature and extent of the impact of the proposed amendments on the agriculture industry. Agriculture is impacted to the extent that farms and other agricultural users receive water allocations from the Department of Environmental Protection and contract with the New Jersey Water Supply Authority for the purchase of water as a condition of the water allocation permit.

**Regulatory Flexibility Statement**

In accordance with the New Jersey Regulatory Flexibility Act, N.J.S.A. 52:14B-16 et seq., the Authority has determined that the proposed amendments will not impose reporting, recordkeeping, or other compliance requirements on small businesses because the proposed amendments affect only the Authority's water rates charged to purchasers. The water companies that contract to purchase water from the Authority and are impacted by these rules do not qualify as "small businesses" pursuant to N.J.S.A. 52:14B-16 et seq., because they all employ more than 100 full-time employees.

**Housing Affordability Impact Analysis**

In accordance with N.J.S.A. 52:14B-4, as amended effective July 17, 2008, at P.L. 2008, c. 46, the Authority has evaluated the proposed amendments for the purposes of determining their impact, if any, on the affordability of housing. The Authority has determined that the proposed amendments will impose no impact upon the affordability of housing and there is no likelihood the rules will evoke a change in the average costs associated with housing. The Authority finds the proposed amendments do not change land use policies or the nature and scope of the rules.

**Smart Growth Development Impact Analysis**

In accordance with N.J.S.A. 52:14B-4, as amended effective July 17, 2008, by P.L. 2008, c. 46, the Authority has evaluated the proposed amendments for purposes of determining their impact, if any, on smart growth development. The Authority has determined the proposed amendments will impose no impact because it is unlikely the rules will evoke a change in housing production within Planning Areas 1 or 2, or within designated centers, pursuant to the State Development and Redevelopment Plan. The Authority finds the proposed amendments do not change land use policies or the nature and scope of the rules.

**Racial and Ethnic Community Criminal Justice and Public Safety Impact**

The Authority has evaluated this rulemaking and determined it will not have an impact on pretrial detention, sentencing, probation, or parole policies concerning adults and juveniles in the State. Accordingly, no further analysis is required.

**Full text** of the proposal follows (additions indicated in boldface **thus**; deletions indicated in brackets [thus]):

**SUBCHAPTER 2. SCHEDULE OF RATES, CHARGES, AND DEBT SERVICE ASSESSMENTS FOR THE SALE OF WATER FROM THE RARITAN BASIN SYSTEM**

- 7:11-2.3 General rate schedule for operations and maintenance
  - (a) (No change.)
  - (b) General rate schedule for operations and maintenance:

<u>Period</u>	<u>Allocation</u>	<u>Rate/Million Gallons</u>
(State fiscal year unless otherwise indicated)		
State fiscal year [2024] 2025	Million Gallons per Day (MGD)	\$203.00

- 7:11-2.4 Debt service assessments
  - (a) (No change.)

(b) The following debt service assessment rate for the New Jersey Environmental Infrastructure Financing Program loans, based on a sales base of 182.339 million gallons per day, will be applied to all customers.

<u>Period</u>	<u>Allocation</u>	<u>Rate/Million Gallons</u>
(State fiscal year unless otherwise indicated)		
State fiscal year [2024] 2025	Million Gallons per Day (MGD)	\$109.00

- 7:11-2.5 Capital Fund Component
  - (a)-(b) (No change.)
  - (c) Capital Fund Assessment

<u>Period</u>	<u>Allocation</u>	<u>Rate/Million Gallons</u>
(State fiscal year unless otherwise indicated)		
State fiscal year [2024] 2025	Million Gallons per Day (MGD)	\$33.00

- 7:11-2.6 Source Water Protection Fund Component
  - (a) (No change.)
  - (b) Source Water Protection Fund Assessment

<u>Period</u>	<u>Allocation</u>	<u>Rate/Million Gallons</u>
(State fiscal year unless otherwise indicated)		
State fiscal year [2024] 2025	Million Gallons per Day (MGD)	\$20.00

(a)

**NEW JERSEY WATER SUPPLY AUTHORITY  
Schedule of Rates, Charges, and Debt Service  
Assessments for the Sale of Water from the  
Manasquan Reservoir Water Supply System  
Proposed Amendments: N.J.A.C. 7:11-4.3, 4.4, 4.5,  
4.6, and 4.7**

Authorized By: New Jersey Water Supply Authority, Shawn M. LaTourette, Chair, and Commissioner, Department of Environmental Protection.

Authority: N.J.S.A. 58:1B-7.

Calendar Reference: See Summary below for explanation of the exception to the calendar requirement.

DEP Docket Number: 3-23-11.

Proposal Number: PRN 2024-005.

**Take notice** that, in accordance with N.J.A.C. 7:11-2.14(a), the New Jersey Water Supply Authority (Authority) will hold a pre-public hearing meeting on January 4, 2024, at 11:00 A.M. and a public hearing on February 1, 2024, at 11:00 A.M. concerning this notice of proposal. Both the pre-public hearing meeting and public hearing will be conducted virtually through the Authority's video conferencing software, Microsoft Teams. Further information on accessing the pre-public hearing meeting and the public hearing will be posted on the Authority's website at <https://www.njwsa.org/public-notices.html> at least 15 days prior to the date of the meeting/hearing. Notice will also be sent to those who have subscribed to the Authority's rulemaking list service (listserv). To subscribe to the listserv, go to <https://www.njwsa.org/rate-proposals.html>.

Submit comments by March 2, 2024, electronically to the Authority at [info@njwsa.org](mailto:info@njwsa.org). The Authority encourages electronic submittal of comments. In the alternative, comments may be submitted on paper to:

Marc Brooks  
Executive Director  
New Jersey Water Supply Authority  
Attention: DEP Docket No. 3-23-11  
1851 State Highway 31  
PO Box 5196  
Clinton, NJ 08809

The Basis and Background document, which is available at the Authority's website <http://www.njwsa.org>, explains in further detail the financial justification for the proposed rate schedule. The rules can also be viewed or downloaded from the Authority's website.

Minutes of Pre-Public Hearing  
Meeting

Exhibit E

# **New Jersey Water Supply Authority**

## **MINUTES**

Pre-Public Hearing Meeting - January 5, 2024

Schedule of Rates, Charges and Debt Service Assessments  
for the Sale of Water from the  
Raritan Basin System  
to become effective July 1, 2024

The Pre-Public Hearing Meeting was called to order by Susan Buckley, Director Finance and Administration, at 10:00 a.m. via Microsoft Teams.

Authority staff members present were Marc Brooks, Executive Director, Susan Buckley, Director Administration and Finance, and Darin Shaffer, Chief Engineer. Also in attendance were Oleg Kostin and Frank Marascia, representing New Jersey American Water Company, Justine Progebin representing the Township of North Brunswick, and Craig Gardina.

Ms. Buckley reviewed the rate process and important dates in the proposal and adoption schedule before explaining the background behind and elements of the FY25 rates, which are proposed to be the same as the FY24 rates. Mr. Brooks reviewed several of the larger planned capital improvement projects in the Raritan Basin System. Mr. Kostin and Mr. Marascia inquired about the funding and financing of various large-scale and routine capital projects.

The presentation of information being completed and there being no further questions, the meeting was adjourned at 10:30 a.m.



Transcript of Public Hearing

Exhibit F

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PUBLIC HEARING  
NEW JERSEY WATER SUPPLY AUTHORITY

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IN RE:

NEW JERSEY AMERICAN WATER  
COMPANY, REGARDING APPLICATION  
NO. RBS-1B (EXTENSION) FOR  
UNINTERRUPTIBLE WATER SUPPLY FROM  
THE RARITAN BASIN SYSTEM.

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BEFORE: ELLSWORTH HAVENS, Hearing Officer  
DATE: FRIDAY, FEBRUARY 2, 2024

J.H. BUEHRER & ASSOCIATES  
884 Breezy Oaks Drive  
Toms River, New Jersey 08753  
(732) 228-3784

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TRANSCRIPT of the hearing in the  
above-entitled matter, said hearing being taken  
pursuant to Superior Court Rules of Civil  
Practice and Procedure, by and before MARIBEL  
SYPNIEWSKI, a Certified Court Reporter and  
Notary Public of the State of New Jersey, VIA  
MICROSOFT TEAMS on Friday, February 2, 2024,  
commencing at 10:11 in the morning.

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A P P E A R A N C E S:

SUSAN BUCKLEY, Director, Finance and  
Administration

MARC BROOKS, Executive Director

FRANK J. MARASCIA, New Jersey  
American Water

DARIN SHAFFER

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E X H I B I T S

NUMBER	DESCRIPTION	PAGE
P-1	Pre-public hearing minutes	7
P-2	Certification	8
S-1	Basis and Background Document	16
S-2	E-mail and the Authority's response	17

1                   HEARING OFFICER HAVENS: On behalf  
2 of the New Jersey Water Supply Authority, I  
3 would like to welcome you here this morning. My  
4 name is Ellsworth Havens. I'm a Commissioner on  
5 the Authority Board and I'm Chairman of the  
6 Authority's Capital Projects Committee and a  
7 member of the Personnel, Finance, Insurance,  
8 Watershed Lands Acquisition and Public  
9 Participation Committees. I'm serving as  
10 Hearing Officer for purposes of this public  
11 hearing.

12                   Several members of the Authority  
13 staff are present today and I would like to  
14 introduce them.

15                   Mr. Mark Brooks is the Executive  
16 Director. Susan Buckley is Director of Finance  
17 and Administration. Mr. Darin Shaffer is the  
18 Chief Engineer.

19                   It is requested that everyone  
20 present -- present state your name and  
21 affiliation. If you would like to make a  
22 statement today, there would be designated  
23 comment period later in the meeting.

24                   MR. BUCKLEY: Frank, can you just  
25 state your name and affiliation?

1 MR. MARASCIA: Sure. Frank  
2 Marascia, New Jersey American Water.

3 MS. BUCKLEY: Thank you.

4 HEARING OFFICER HAVENS: The  
5 Authority has adopted extensive rate adjustment  
6 procedures found in the New Jersey  
7 Administrative Code at N.J.A.C. 7:11-2.13 and  
8 2.14, which provides for close contact with our  
9 water customers, the State Division of Ratepayer  
10 Advocate and other interested for this proposal  
11 of any rate adjustment. These procedures  
12 demonstrate Authority's commitment to  
13 maintaining an active dialogue with the public,  
14 welcoming the input of interested parties and  
15 providing a forum for that input.

16 Official notice of the proposed rate  
17 adjustments for Fiscal Year 2025 was mailed to  
18 the water users and all interested parties on  
19 December 19th, 2023 and published in the New  
20 Jersey Register on January 2nd, 2024. On  
21 January 5th, 2024 the required pre-public  
22 hearing meeting with our contractual water  
23 customers and interested parties was conducted.  
24 There were four attendees at the January 5th,  
25 2024 meeting.

1 Ms. Buckley, do we have minutes from  
2 the pre-public hearing meeting of January 5th,  
3 2024?

4 MS. BUCKLEY: Yes, Mr. Chairman, I  
5 with like to enter the January 5th, 2024  
6 pre-public hearing minutes into the record as  
7 Exhibit P-1.

8 HEARING OFFICER HAVENS: Thank you,  
9 Ms. Buckley. Please mark the pre-public hearing  
10 minutes as Exhibit P-1.

11 (Pre-public hearing minutes marked  
12 P-1 for Identification.)

13 HEARING OFFICER HAVENS: At this  
14 time I would ask Ms. Buckley if we have Proof of  
15 Publication and mailing of the Notice of this  
16 public hearing to present for the record.

17 MS. BUCKLEY: Yes, Mr. Chairman, we  
18 have Certification that Notice of this public  
19 hearing was mailed to the Secretary of State,  
20 Division of Ratepayer Advocate, the news media  
21 maintaining a press office at the State House  
22 Complex, the Board of Public Utilities, the  
23 Authority's Contractual Water Purchasers and  
24 other interested parties on December 19, 2023  
25 and advertised in the Star Ledger, Hunterdon



1 County and The Times (Trenton) December 21,  
2 2023. I would like to enter the Certification  
3 into the record as Exhibit P-2.

4 HEARING OFFICER HAVENS: Please mark  
5 this Certification as Exhibit P-2.

6 (Certification marked P-2 for  
7 Identification.)

8 HEARING OFFICER HAVENS: Thank you,  
9 Ms. Buckley. Ms. Buckley, the Authority's  
10 Director of Finance and Administration, will now  
11 present an opening statement.

12 MS. BUCKLEY: Good morning. The  
13 Authority is proposing to amend its Schedule of  
14 Rates, Charges and Debt Service Assessments for  
15 the Sale of Water from the Raritan Basin System,  
16 to cover expenses for Fiscal Year 2025. The  
17 Authority operates on a July 1st to June 30th  
18 Fiscal Year. The proposed amendments maintain  
19 the total rate of \$365 per million gallons and  
20 update references to the Fiscal Year from Fiscal  
21 Year 2024 to Fiscal Year 2025. The Authority  
22 anticipates the rates will be adopted effective  
23 July 1, 2024.

24 The General Rate Schedule for  
25 Operations and Maintenance was last adjusted

1 effective July 1, 2023 to cover the operating  
2 expenses of the System for the Authority's  
3 Fiscal Year 2024. In Fiscal Year 2025, the  
4 Authority is recommending no increase to the  
5 rate of \$203.00 per million gallons.

6 The New Jersey Water Supply  
7 Authority is operating, maintaining, and  
8 managing three distinct systems each with its  
9 own budget, cost accountability and revenue  
10 stream. The Raritan Basin System and the  
11 Manasquan Reservoir Water Supply System are both  
12 untreated water supply systems. A Water  
13 Treatment Plant and Transmission System for the  
14 Southeast Monmouth Municipal Utilities Authority  
15 was constructed on Authority-owned property.

16 The Authority's headquarters staff,  
17 located in Clinton, provides general and  
18 administrative support service for all three  
19 systems. In order to equitably assess each  
20 system, an outside auditing firm developed a  
21 methodology for the allocation of the  
22 headquarters general and administrative costs to  
23 each operating system. After the close of each  
24 Fiscal Year, the Authority's current Auditors  
25 provide their findings as to the need to adjust

1 any of the allocation factors and the actual  
2 audited expenditures for the Fiscal Year.

3 Independent auditors have reviewed  
4 the Authority's Fiscal year 2023 allocation  
5 calculation that results in an adjustment to be  
6 netted against the Fiscal Year 2025 budgeted  
7 allocation. A copy of the Auditor's report on  
8 the allocation of the headquarters' general and  
9 administrative costs is included in the rate  
10 proposal package for each system.

11 Insurance costs are also allocated  
12 to each system based upon the recommendations of  
13 the Authority's risk management consultant.  
14 Each rate proposal package includes a summary  
15 table showing the proposed insurance budget  
16 amounts and the portions allocated to each of  
17 the three systems.

18 After all appropriate allocations to  
19 the Manasquan Water Supply System, the projected  
20 operating costs for the Raritan System for  
21 Fiscal Year 2025 indicate that an Operations and  
22 Maintenance Component of \$203.00 per million  
23 gallons would be required starting on July 1,  
24 2024. The sales base will remain at 182.339  
25 million gallons per day in Fiscal year 2025.

1 Overall operations and maintenance expenses are  
2 increasing, primarily as a result of increases  
3 in salaries and fringe benefits which are  
4 negotiated at the state level. Additionally,  
5 the Authority is projecting increases in other  
6 operations expenses, driven by insurance expense  
7 and inflationary pressures. These increases are  
8 being offset by prior year overdrafts and  
9 positive budget variances.

10           The Authority established a "Capital  
11 Fund Component" commencing on July 1st, 1994.  
12 This component is used to fund the Authority's  
13 current Capital Improvement Program without  
14 incurring long-term debt. The Capital Fund  
15 Component assessment of \$33.00 per million  
16 gallons for Fiscal year 2025 will not change  
17 based on projected funding needs with respect to  
18 the five-year Capital Improvement Program.

19           The Authority established the  
20 "Source Water Protection Fund" in Fiscal Year  
21 2003 to protect the quality and quantity of  
22 water in the Raritan Basin System and dedicated  
23 \$5.00 per million gallons for administrative  
24 costs associated with acquisition of critical  
25 watershed parcels and watershed planning

1 programs in the Raritan River Basin. That  
2 component was increased to \$10.00 per million  
3 gallons in Fiscal Year 2004, to \$13.00 per  
4 millions gallons in Fiscal Year 2006, to \$15.00  
5 per million gallons in Fiscal year 2008, to  
6 \$24.00 million gallons in Fiscal Year 2014 and  
7 reduced to \$20.00 in Fiscal Year 2024.

8 Seventeen (\$17.00) dollars of the Source Water  
9 Protection Fund component is used exclusively  
10 for payment of debt service on the direct  
11 acquisition of critical watershed parcels in the  
12 Raritan Basin by the Authority and for  
13 contributions toward acquisition soft costs by  
14 other entities. In Fiscal Year 2025, the  
15 Authority is proposing no change to this rate  
16 component.

17 The Debt Service Assessment was  
18 established to fund debt service on the  
19 Authority's three large scale projects: The  
20 Delaware and Raritan Canal Dredging Project,  
21 completed in 2022, the Round Valley Reservoir  
22 Structures Refurbishment and Resource  
23 Preservation Project, and foundation grouting  
24 and spillway improvements at the Authority's  
25 Spruce Run Reservoir. For Fiscal Year 2025, the

1 Authority is proposing no change to the rate of  
2 \$109.00 per million gallons for this rate  
3 component, which will be used to pay existing  
4 and anticipated debt service to the New Jersey  
5 Infrastructure Bank (NJIB) for these three  
6 projects. When final bonds have been issued for  
7 all the projects, the rate may be adjusted to  
8 reflect actual debt service.

9 The Authority's procedure for rate  
10 adjustment is found in the New Jersey  
11 Administrative Code at N.J.A.C. 7:11-2.14 ("The  
12 Regulations"). This procedure became effective  
13 on April 2nd, 1984. The rate adjustment  
14 procedures require the Authority to give  
15 official notice and an explanation outlining the  
16 need for proposed rate adjustments pursuant to  
17 the Regulations at least six (6) months prior to  
18 the proposed effective date.

19 The Authority's Commissioners  
20 formally proposed the publication of the rate  
21 adjustment for Fiscal year 2025 at their regular  
22 monthly business meeting on November 6, 2023.  
23 The Basis and Background Statement was posted on  
24 the Authority's Website on October 27, 2023.  
25 Mr. Havens, I request that this Basis and

1 Background Document be entered into the record  
2 as Exhibit S-1.

3 The Authority's rate adjustment  
4 procedures provide that the contractual water  
5 customers and interested parties be given the  
6 opportunity to meet with Authority staff at a  
7 pre-public hearing meeting in order to be  
8 presented with an explanation of the formal  
9 proposal. This pre-public hearing meeting must  
10 be scheduled within forty-five (45) days after  
11 the official notice of a proposed rate  
12 adjustment is sent. A "Notice of Public  
13 Hearing" was mailed on December 19th, 2023 to  
14 contractual water customers and other interested  
15 parties, informing them of the pre-public  
16 hearing scheduled for January 5th and February  
17 2nd, 2024 respectively, via Microsoft Teams.

18 Additionally, on December 21st, 2023  
19 notice of the Pre-Public Hearing and this Public  
20 hearing was published in the Times (Trenton),  
21 the Star Ledger, and the Hunterdon Democrat.  
22 Notice of the proposed rate adjustment and the  
23 public hearing schedule also appeared in the  
24 January 2nd, 2024 issue of the New Jersey  
25 Register. The Pre-Public hearing was conducted

1 on January 5th, 2024, and there were four  
2 attendees at this hearing.

3 The Authority's regulations state  
4 that interested parties may submit written  
5 questions for inclusion in the hearing record,  
6 and if submitted no later than 15 days prior to  
7 the public hearing, Authority staff, at today's  
8 meeting, must provide answers to the questions.  
9 The Authority will also provide a complete  
10 response to any questions received subsequent to  
11 the 15-day deadline and up to and including  
12 March 11th, 2024, the closing date for the  
13 hearing record. In addition, any party may  
14 direct questions and follow-up to Authority  
15 staff at the public hearing. In the event a  
16 response cannot be immediately given today, a  
17 written response shall be prepared within ten  
18 (10) business days of this public hearing and a  
19 copy of that written response shall be provided  
20 to all contractual water customers, the Division  
21 of the Ratepayer Advocate, the Board of Public  
22 Utilities and attendees at the meeting  
23 requesting the same and the response shall be  
24 made a part of the hearing record. Comments  
25 received before the close of the New Jersey



1 Register comment period on March 2nd, 2024 will  
2 also be incorporated into the record.

3 Finally, within ten (10) working  
4 days after receipt of the answer, contractual  
5 water customers, the Division of the Ratepayer  
6 Advocate, the Board of Public Utilities and  
7 attendees will be permitted to respond in  
8 writing to the answers of the staff for the  
9 record.

10 After the hearing record is closed  
11 and the New Jersey Register comment period  
12 expires, a Hearing Officer's report, which shall  
13 include findings of fact and specific responses  
14 to all issues and questions raised during the  
15 public hearing proceedings, will be prepared and  
16 submitted to the entire Authority prior to the  
17 Authority taking final action on the proposal.

18 Mr. Havens, this concludes the  
19 Authority's opening statement. Page 11.

20 HEARING OFFICER HAVENS: Sorry.  
21 Please mark the Basis and Background document  
22 dated 11/6/23 as Exhibit S-1.

23 MS. BUCKLEY: Okay.

24 (Basis and Background document dated  
25 11/6/23 marked S-1 for Identification.)

1 HEARING OFFICER HAVENS: Ms.  
2 Buckley, have we received any written or verbal  
3 communications for inclusion in the public  
4 hearing record?

5 MS. BUCKLEY: Yes, Mr. Chairman, we  
6 have. The Authority received an e-mail from  
7 Barbara Sachau on January 2nd in which concerns  
8 about water quality and spending by local water  
9 companies were raised. Ms. Sachau asked for  
10 confirmation acknowledging the receipt of the  
11 e-mail. I would like to enter the e-mail and  
12 the Authority's response as Exhibit S-2.

13 (E-mail and the Authority's response  
14 marked S-2 for Identification.)

15 HEARING OFFICER HAVENS: Ms.  
16 Buckley, are there any additional proposed Rule  
17 changes not associated with the changes to  
18 existing Rates?

19 MS. BUCKLEY: No, there are not.

20 HEARING OFFICER HAVENS: Thank you,  
21 Ms. Buckley. Next on the agenda is Authority  
22 staff answers to questions raised prior to  
23 today's hearing. Ms. Buckley, has the Authority  
24 received any questions prior to today's hearing?

25 MS. BUCKLEY: No questions have been

1 received.

2 HEARING OFFICER HAVENS: Thank you,  
3 Ms. Buckley. We are now prepared to enter oral  
4 arguments, written statements and/or other  
5 supporting evidence by all interested parties  
6 into the record. At this time, I would like to  
7 invite anyone who would like to make a statement  
8 to state your name and affiliation.

9 Okay. There are no comments. Let  
10 the record reflect that I have not received any  
11 statements from any member of the public -- I'm  
12 sorry, it's blurred out in my page.

13 MS. BUCKLEY: Okay. The Agenda  
14 Item 5.

15 HEARING OFFICER HAVENS: I'm missing  
16 the first line.

17 MS. BUCKLEY: "We will now entertain  
18 questions."

19 MR. HAVENS: We will now entertain  
20 questions and, if possible today, hear the  
21 responses by Authority staff. Does any member  
22 of the public have questions for staff?

23 Hearing none. After the New Jersey  
24 Register comment period closes on March 2nd,  
25 2024 and the hearing record is closed on March

1 11, 2024, I, as the Hearing Officer will prepare  
2 a report of my findings, based solely on the  
3 record of the proceedings, which shall include  
4 findings of fact and specific responses to all  
5 issues and questions raised during these  
6 proceedings. My Hearing Officer's report will  
7 be submitted to the Authority and presented to  
8 the Authority's Board for final action on the  
9 proposal. Written comments may be submitted  
10 until the end of the hearing record period on  
11 March 11, 2024. I anticipate that the Authority  
12 -- the Authority will take final action on these  
13 proposed Rates at a regular monthly business  
14 meeting on or before June 3rd, 2024.

15 The Authority appreciates your  
16 attendance here today. This public hearing is  
17 adjourned.

18 (Concluded at 10:25 a.m.)  
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C E R T I F I C A T E

I, MARIBEL SYPNIEWSKI, a Certified Court Reporter and Notary Public of the State of New Jersey, do hereby certify that prior to the commencement of the examination, the witness was duly sworn by me to testify the truth, the whole truth and nothing but the truth.

I DO FURTHER CERTIFY that the foregoing is a true and accurate transcript of the testimony as taken stenographically by and before me at the time, place and on the date hereinbefore set forth, to the best of my ability.

I DO FURTHER CERTIFY that I am neither a relative nor employee nor attorney nor counsel of any of the parties to this action, and that I am neither a relative nor employee of such attorney or counsel, and that I am not financially interested in the action.

MARIBEL SYPNIEWSKI, C.C.R.  
LICENSE NO. 30XI00203200

DATE

J.H. BUEHRER & ASSOCIATES

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Correspondence and Testimony

Exhibit G

## Susan Buckley

---

**From:** Michelle Rollman  
**Sent:** Tuesday, January 2, 2024 5:38 PM  
**To:** barbara sachau  
**Subject:** RE: N.J.A.C. 7:11. Schedule of Rates, Charges, and Debt Service Assessment for the Sale of Water from the Raritan Basin System for fiscal year 2025

Hello Ms. Sachau,

Thank you for your comments to the New Jersey Water Supply Authority rate proposal notice. Let this be confirmation that your comments have been received and will be included in the public record.

Best regards,  
Michelle

Michelle Rollman  
Finance and Accounting Analyst  
New Jersey Water Supply Authority  
Clinton Administration Building  
1851 State Route 31  
P.O. Box 5196  
Clinton, NJ 08809  
P: (908) 638-6121 x242  
F: (908) 638-5241  
[mrollman@njwsa.org](mailto:mrollman@njwsa.org)



**From:** barbara sachau <bsachau@gmail.com>  
**Sent:** Tuesday, January 2, 2024 8:55 AM  
**To:** Michelle Rollman <mrollman@njwsa.org>; senzwicker@njleg.org; aswjaffer@njleg.org; asmfreiman@njleg.org; tom.kean@mail.house.gov  
**Subject:** Re: N.J.A.C. 7:11. Schedule of Rates, Charges, and Debt Service Assessment for the Sale of Water from the Raritan Basin System for fiscal year 2025

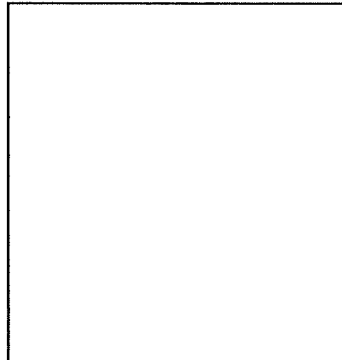
public comment on federal register

i wouldlike to make sure audits and checks ups are done because so often a vital thing like water is held up so that it becomes more and moe and more expensive. we would have cleaner water if we had more severe restrictions onf the awful use of pfas, glyphosate, atrazine and other toxic chemicals that are being allowed to enter our water supply. we need clean water and far too often exploiters who look to make themselves rich gougeonto companies in this business. we need to maintain a much much tighter look at what these companies are spending and how much of it is going to far too high executive salrires and cars and bonuses for executives. reasonable prices for salaries make sense. exploiters comein and do a number in corrupt ways that all must be monitoredmuch more strongly with thepublic fully aware of the salaries

being paid to executives at local water companies and their out of control spending. this comment is for the public record.please receipt. b sachau [bsachau@gmail.com](mailto:bsachau@gmail.com)

On Tue, Jan 2, 2024 at 8:44 AM NJ Department of Environmental Protection <[NJDEP@public.govdelivery.com](mailto:NJDEP@public.govdelivery.com)> wrote:

[View this email as a web page](#)



## NJDEP Rule Proposal Notice

**NJ DEPARTMENT of ENVIRONMENTAL PROTECTION**  
New Jersey Water Supply Authority

### **Notice of Rule Proposal**

N.J.A.C. 7:11-2. Rules for the Use of Water Supply Authority Property and Schedule of Rates, Charges, and Debt Service Assessments for the Sale of Water from the Raritan Basin System.

### **PUBLIC NOTICE**

**Take notice** that the New Jersey Water Supply Authority is proposing to amend to amend its Schedule of Rates, Charges, and Debt Service Assessments for the Sale of Water from the Raritan Basin System (System), to cover expenses for Fiscal Year (FY) 2025. The Authority operates on a July 1 to June 30 Fiscal Year. For FY 2025, there are no changes in the total overall rate of \$365.00 per million gallons of water (MG). The Authority anticipates the rates will be adopted and operative by July 1, 2024. A statement of the substance of the proposal follows:

*The Authority is proposing no change in the overall rate of \$365.00 per million gallons for the Raritan System for FY 2025. Projected operating costs for FY 2025 indicate that no increase is necessary in the Operations and Maintenance component of the rate of \$203.00 per million gallons. The sales base used for calculation of the Operations and Maintenance component of the rate will remain at 182.339 million gallons per day.*

*The Debt Service Assessment rate component will remain at \$109.00 per million gallons. This rate is assessed to fund the annual principal and interest payments for a loan issued in FY 2021 to cover the cost of dredging a 10.5-mile stretch of the Delaware and Raritan Canal, anticipated debt service for a loan to cover the cost of rehabilitating three earthen embankments within the Authority's Round Valley Reservoir System, and anticipated debt service for two recently added projects; embankment foundation grouting and spillway improvements at the Authority's Spruce Run Reservoir. It is anticipated that all loans will be issued through the New Jersey Infrastructure Bank. When final loans have been issued, the Authority may adjust the rate by rulemaking to reflect the final debt service schedule for both loans.*

*Projected costs indicate that no change is necessary in the Capital Fund component of the rate, which will remain at \$33.00 per million gallons. The Authority is proposing a no change to the Source Water Protection Fund component, currently at \$20.00 per million gallons. This rate component addresses watershed protection programs, including debt service on land preservation acquisitions.*

The proposal is scheduled to be published in the New Jersey Register dated January 2, 2024. A copy of the proposal is available from: the Department's website <https://dep.nj.gov/wp-content/uploads/rules/proposals/proposal-20240102b.pdf>, the NJWSA website (<http://www.njwsa.org>), and LexisNexis free public access to the New Jersey Register, ([www.lexisnexis.com/njoal](http://www.lexisnexis.com/njoal)).

Public hearings concerning the proposal is scheduled as follows:

January 5, 2024, at 10:00am

Virtual (Microsoft Teams)

Information on how to join the public hearings will be available at [www.njwsa.org](http://www.njwsa.org), by request to [mrollman@njwsa.org](mailto:mrollman@njwsa.org), or by calling 908-638-6121 ext. 242.

February 2, 2024, at 10:00am

Virtual (Microsoft Teams)

Information on how to join the public hearings will be available at [www.njwsa.org](http://www.njwsa.org), by request to [mrollman@njwsa.org](mailto:mrollman@njwsa.org), or by calling 908-638-6121 ext. 242.

Written comments may be submitted electronically by March 11, 2024, at [info@njwsa.org](mailto:info@njwsa.org); or in hard copy to:

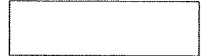
Mark Brooks  
Executive Director  
ATTN: DEP Docket No. 03-23-11  
New Jersey Water Supply Authority  
1851 Highway 31  
P.O. Box 5196  
Clinton, NJ 08809

Questions? [Contact Us](#)



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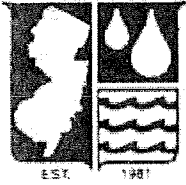
This email was sent to [bsachau@gmail.com](mailto:bsachau@gmail.com) using GovDelivery Communications Cloud on behalf of: New Jersey Department of Environmental Protection · 401 E. State St. · Trenton, NJ 08625



Staff Memorandum to Hearing Officer

Exhibit H





# NEW JERSEY WATER SUPPLY AUTHORITY

---

P.O. BOX 5196 · CLINTON, N.J. 08809 · (908) 638-6121 · (908) 638-5241 (FAX)

March 12, 2024

## MEMORANDUM

TO: Mr. Ellsworth Havens  
Hearing Officer

FROM: Marc Brooks, Executive Director  
New Jersey Water Supply Authority

SUBJECT: Proposed adjustments to the Schedule of Rates, Charges and Debt Service  
Assessments for the Sale of Water from the Raritan Basin System  
(N.J.A.C. 7:11-2.1, et seq.)

Please be advised that subsequent to the Authority's public hearing of February 2, 2024, there were no inquiries regarding the Raritan Basin System FY2025 rate proposal received by the Authority.

Staff has analyzed the budget of the original rate package for any revisions that should be considered prior to final action of the Authority at the May 6, 2024 meeting. There will be no change to any component of the rates as proposed at the November 6, 2023 Authority meeting.

The total rate (O&M plus Debt Service, Capital Fund, and Source Water Protection Component) of \$365.00 per million gallons will apply to all customers in FY2025 (starting July 1, 2024), no increase over FY2024.

NEW JERSEY WATER SUPPLY AUTHORITY  
RARITAN BASIN SYSTEM  
FISCAL YEAR 2025 (7/1/24-6/30/25)

**REVISIONS TO ORIGINAL RATE PACKAGE**

1.	No Change	

Draft Resolution Adopting Rate  
Adjustments

Exhibit I

RESOLUTION OF THE NEW JERSEY WATER SUPPLY AUTHORITY

No.: \_\_\_\_\_

DATE OF ADOPTION: \_\_\_\_\_

TITLE: Resolution adopting revisions to the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System, to become effective July 1, 2024 (regulations found at N.J.A.C. 7:11-2.1 et seq.)

WHEREAS, N.J.S.A. 58:1B-7g and 58:1B-19 provide for the Authority to fix and revise from time to time its rates, fees and charges; and

WHEREAS, the Authority has estimated its revenue requirements for the fiscal year beginning on July 1, 2024; and

WHEREAS, by Resolution No. 2559 adopted on November 6, 2023 the Authority proposed certain revisions to the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System, to become effective July 1, 2024 (regulations found at N.J.A.C. 7:11-2.1 et seq.); and

WHEREAS, the proposal was mailed to all contractual water purchasers in December 2023, and published in the Hunterdon County Democrat, the Times (Trenton) and the Star Ledger on December 21, 2023, and appeared in the New Jersey Register on January 2, 2024 with a 60 day comment period ending March 2, 2024; and

WHEREAS, a pre-public hearing meeting was conducted on the proposed amendments on January 5, 2024; and

WHEREAS, the Authority conducted a public hearing on the proposed amendments on February 2, 2024 with the hearing record remaining open through March 11, 2024; and

WHEREAS, the Authority's Hearing Officer, after having reviewed and considered the testimony received during the rate making process, did submit a Hearing Officer's Report to the Authority together with recommendations; and

WHEREAS, the Authority must provide for sufficient revenues and a rate structure to cover its costs.

NOW THEREFORE, be it resolved that the New Jersey Water Supply Authority adopts the Hearing Officer's Report entitled "Fiscal Year 2025 Proposed Amendments to the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System, effective July 1, 2024;" and

BE IT FURTHER RESOLVED that the New Jersey Water Supply Authority adopts the following amendments to the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System, found at N.J.A.C. 7:11-2.1 et seq. to become effective on July 1, 2024:

1. Amend N.J.A.C. 7:11-2.3 of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the sales base at 182.339 million gallons per day and maintain the Operations and Maintenance Component of the rate of \$203.00 per million gallons, for the period of July 1, 2024 through June 30, 2025; and

2. Amend N.J.A.C. 7:11-2.4(a), (b) and (c) of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the sales base of 182.339 million gallons per day and maintain the Debt Service Assessment Component of the rate of \$109.00 per million gallons, for the period of July 1, 2024 through June 30, 2025; and

3. Amend N.J.A.C. 7:11-2.5 of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the Capital Fund Component of \$33.00 per million gallons, for the period of July 1, 2024 through June 30, 2025; and

4. Amend N.J.A.C. 7:11-2.6 of the Schedule of Rates, Charges and Debt Service Assessments for the Sale of Water from the Raritan Basin System to maintain the Source Water Protection Fund Component of \$20.00 per million gallons, for the period July 1, 2024 to June 30, 2025; and

BE IT FURTHER RESOLVED, that the following actions are authorized:

1. Appropriate \$3,292,070 in unanticipated revenue from from the Operating Fund into the Rate Stabilization Fund.

4. Apply \$3,292,070 appropriated into the Rate Stabilization Fund to the Operating Fund for Fiscal Year 2025.

Draft Resolution Adopting FY2025  
Budget

Exhibit J





RESOLUTION OF THE NEW JERSEY WATER SUPPLY AUTHORITY

NO.: \_\_\_\_\_ DATE OF ADOPTION: \_\_\_\_\_

TITLE: Resolution approving the Authority's Raritan Basin System Budget for Fiscal Year 2025 (July 1, 2024 - June 30, 2025).

WHEREAS, the Executive Director proposed a budget for Fiscal Year 2025, that was provided to the Authority Members on May 6, 2024; and

WHEREAS, the Authority has previously considered the proposed budget as part of the Rate Adjustment procedure for Fiscal Year 2025, and the adopted rate schedule for Fiscal Year 2025 is based upon the proposed budget requirements in the amount of \$27,503,033;

NOW THEREFORE, be it resolved that the Authority approves a budget of \$27,503,033 for the Fiscal Year beginning July 1, 2024 through June 30, 2025.