Hudson River - Black River Regulating District

Board Member Information Packet for September 10, 2024 Audit, Governance & Regular Board Meeting

Staff/Committee Reports:

Hudson River-Black River Regulating District
September 10, 2024
10 AM

Sacandaga Field Office
737 Bunker Hill Road
Mayfield, NY 12117

Conference-In Location:
Oneida County Office Building
800 Park Ave., Floor 10
Utica, NY 13501

Please join the meeting via computer, tablet or smartphone.
https://global.gotomeeting.com/join/248375429
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Audit Committee Meeting Agenda

1) Call to Order – ***Mr. Hayes***

2) Pledge of Allegiance

3) Roll Call - ***Mr. Leslie***

4) Motion to Adopt or Revise Meeting Agenda – ***Mr. Hayes***

5) Approval of April 9, 2024 Audit Committee Meeting Minutes

6) Committee Business:
   a. New Business
      i. Motion to Approve and Advance to the Full Board a Resolution Approving BPAS to Perform GASB 75 Valuation for Fiscal Year Ending June 30, 2024 - ***Mr. Maniccia***

7) Adjournment

HUDSON RIVER – BLACK RIVER REGULATING DISTRICT
AUDIT COMMITTEE MEETING MINUTES
April 9, 2024

Sacandaga Field Office
737 Bunker Hill Road
Mayfield, NY 12117
3920 Ocean Pearl Clubhouse, Fort Pierce, FL
54 Cedar Dunes Drive, New Symrna Beach, FL
4 Computer Drive West, Albany, NY

Participants were invited to join the meeting via computer, tablet or smartphone.
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CALL TO ORDER

Chair Finkle noted he has appointed Mr. Reagan to sit as a member of the Committee.

PLEDGE OF ALLEGIANCE

Committee Chair Albert Hayes called the meeting to order at 10:00 A.M.

ROLL CALL

Present: Committee Chair Albert J. Hayes; Committee Members Richard Bird and Timothy J. Reagan; Board Chair Mark M. Finkle; Executive Director John C. Callaghan, General Counsel Robert P. Leslie, Chief Engineer Robert S. Foltan, Chief Fiscal Officer Timothy M. Maniccia and Director of Administrative Services Stephanie V. Ruzycky.

Video Feed: Committee Member Kenneth F. DeWitt (travel); Board Members Alfred J. Candido, Jr. (travel) and Nicole T. Allen (travel).

MOTION TO ADOPT COMMITTEE MEETING AGENDA

Mr. Hayes asked for a motion to adopt the meeting agenda. Mr. Reagan so moved. Mr. DeWitt seconded. The Board approved the motion by unanimous vote.

APPROVAL OF THE NOVEMBER 7, 2023 AUDIT COMMITTEE MEETING MINUTES

Mr. Hayes asked for a motion to approve the November 7, 2023 Audit Committee meeting minutes. Mr. Reagan moved to approve the Minutes. Mr. DeWitt seconded. The Committee approved the motion by unanimous vote.

COMMITTEE BUSINESS

a. Motion to Approve and Advance to the Full Board a Resolution to Award Audit Services Work to EFPR Group LLP

Mr. Maniccia presented a resolution to award independent auditing services work to EFPR Group LLP. He noted that in January staff had caused to be published a Request for Proposals (RFP) for Independent Audit Services in accordance with Public Authorities Law Section 2802(4) requiring rotation of auditors every five years. The Regulating District received three proposals and, after careful evaluation based on the technical and cost criteria set forth in the RFP, a committee consisting of the Regulating District staff members that work most closely with independent auditors, namely, the Chief Fiscal Officer, Administrative Officer II and Administrative Officer I determined that the firm of EFPR Group LLP received the highest total score. Mr. Maniccia recommended that the Board conditionally award Independent Audit Services work to EFPR Group LLP for the next three fiscal years with two one-year renewal options, starting with the fiscal year ended June 30, 2024, upon the successful negotiation of contract terms and conditions. He noted that EFPR Group LLP proposed to complete the work for $26,000 for the FY ending June 30, 2024, plus disbursements with subsequent year fees not-to-exceed $26,800 in 2025 and $27,600 in 2026 (plus approved disbursements). Mr. Maniccia noted that the contract is subject to review and approval by the New York State Attorney General.

Committee Chair Hayes asked for a motion. Mr. Reagan moved to approve and advance to the full Board the resolution authorizing the Executive Director to enter into a contract with EFPR Group LLP to perform audit services for an amount not to exceed $26,000.00 in the FY ending June 30, 2024; $26,800 for FY ending June 30, 2025 and $27,600 for FY ending June 30, 2026, plus expenses each year up to $1,200.00; with two one-year renewal options. Mr. Bird seconded and the Committee approved the motion to advance the resolution by unanimous vote.

ADJOURNMENT

There being no further business to come before the Audit Committee, Mr. Bird moved to adjourn the meeting. Mr. Reagan seconded. The motion was unanimously approved. The committee meeting adjourned at 10:04 A.M.

Respectfully submitted,

Robert P. Leslie
Secretary

Mark M. Finkle
Chairman

Technical Advisor – Mr. Maniccia

RESOLUTION APPROVING BPAS TO PERFORM GASB 75 VALUATION FOR FISCAL YEAR ENDING JUNE 30, 2024

WHEREAS, the Regulating District is required to conform with all applicable Governmental Accounting Standards Board (GASB) statements; and

WHEREAS, GASB Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions* replaced the requirements of Statements No. 45, *Accounting and Financial Reporting by Employers for Postemployment Benefits Other Than Pensions*, as amended, and No. 57, *OPEB Measurements by Agent Employers and Agent Multiple-Employer Plans*, for other postemployment benefits (OPEB); and

WHEREAS, GASB Statement No. 75 is effective for fiscal years beginning after June 15, 2017; and

WHEREAS, GASB Statement No. 75 requires an actuarial valuation or a calculation using the specified alternative measurement method of the total OPEB liability to be performed at least every two years; and

WHEREAS, the District's last valuation was performed for fiscal year June 30, 2022; and

WHEREAS, BPAS has performed all of the District's valuations in an efficient and cost effective manner; and

NOW THEREFORE BE IT RESOLVED, that the Board of the Hudson River-Black River Regulating district accepts BPAS's proposal to perform the District's June 30, 2024 valuation as set forth in the proposal attached hereto and made a part hereof for an amount not-to-exceed $9,500.00, and

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr._____ and seconded by Mr._____ that the Resolution be approved.

Present and Voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle	_____	_____	_____
Mr. Hayes.....	_____	_____	_____
Mr. De Witt.....	_____	_____	_____
Mr. Bird.....	_____	_____	_____
Mr. Candido	_____	_____	_____
Mr. Reagan.....	_____	_____	_____
Ms. Allen.....	_____	_____	_____

Hudson River-Black River Regulating District

10 AM
September 10, 2024

Sacandaga Field Office
737 Bunker Hill Road
Mayfield, NY 12117

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GOVERNANCE COMMITTEE
AGENDA

1. Call to Order – Mr. Candido

2. Roll Call - Mr. Leslie

3. Motion to Adopt or Revise Meeting Agenda – Mr. Candido

4. Approval of June 20, 2024 Committee Meeting Minutes

5. Committee Business:

A. New Business

i. Collection of Board Member's Confidential Evaluations of Board Performance – ***Mr. Leslie***

6. Adjournment

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
GOVERNANCE COMMITTEE MEETING

June 20, 2024
10 AM

Sacandaga Field Office Conference Room
Sacandaga Field Office
737 Bunker Hill Road
Mayfield, NY 12117

Participants were invited to join the meeting via computer, tablet or smartphone.
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CALL TO ORDER

Committee Chair Alfred J. Candido Jr. called the meeting to order at 10:00 AM.

PLEDGE OF ALLEGIANCE

ROLL CALL

Present: Committee Chair Alfred J. Candido, Jr.; Committee Members Albert J. Hayes and Nicole T. Allen; Board Chair Mark M. Finkle; Board Member Timothy J. Reagan; Executive Director John C. Callaghan, General Counsel Robert P. Leslie, Chief Engineer Robert S. Foltan, Chief Fiscal Officer Timothy M. Maniccia and Director of Administrative Services Stephanie V. Ruzycky.

Excused: Committee Member Kenneth F. DeWitt (traffic)

Video Feed: Board Member Richard Bird (travel)

MOTION TO ADOPT COMMITTEE MEETING AGENDA

Committee Chair Candido asked for a motion to adopt or revise the Committee meeting agenda. Mr. Hayes moved to adopt the meeting agenda. Mrs. Allen seconded and the Committee approved the motion by unanimous vote.

APPROVAL OF APRIL 9, 2024 GOVERNANCE COMMITTEE MEETING MINUTES

Committee Chair Candido called for a motion to adopt the April 9, 2024 Governance Committee meeting minutes. Mrs. Allen so moved. Mr. Hayes seconded and the Committee approved the motion by unanimous vote.

COMMITTEE BUSINESS

New Business

A. Motion to Advance to the Full Board and Recommend a Resolution to Award the Regulating District's Insurance Program for Policy Year July 1, 2024 Through June 30, 2025.

RESOLUTION TO AWARD THE REGULATING DISTRICT'S INSURANCE PROGRAM FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Mr. Maniccia presented a resolution to award the Regulating District's insurance program for policy year July 1, 2024 through June 30, 2025. Mr. Maniccia noted that the New York State Office of General Services, Bureau of Risk and Insurance Management dedicates staff to provide professional services and guidance on risk coverage and insurance needs for government agencies, authorities and public benefit corporations. He explained that the Bureau has competed the competitive procurement process for a wide range of insurance coverage; including General Liability, Umbrella-Excess Liability Property, Employment Practices Liability, Cyber/Data Breach Coverage and other coverage previously utilized by the Regulating District. He recommended that the Committee advance to the full Board and recommend adoption of the resolution awarding the Regulating District's Insurance Program for the policy year of July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management.

Governance Committee Chair Candido asked for a motion to advance to the full board and recommend adoption of the resolution to award the Regulating District's insurance program for policy year July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management. Mr. Hayes so moved and Mrs. Allen seconded. The Committee approved the motion advancing the resolution by unanimous vote.

B. Motion to Advance to the Full Board and Recommend a Resolution to Approve Insurance Proposal for Policy Year July 1, 2024 Through June 30, 2025.

RESOLUTION TO APPROVE INSURANCE PROPOSAL FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Mr. Maniccia presented a resolution to approve the insurance proposal for policy year July 1, 2024 through June 30, 2025. Building upon the resolution awarding the New York State Office of General Services Bureau of Risk and Insurance Management the Regulating District's insurance program for the policy year ending June 30, 2025, the Chief Fiscal Officer recommended that the Committee advance to the full Board and recommend adoption of the insurance proposal developed by the Bureau for the annual premium amount of $293,118.53; which includes the cost of insurance coverage and the cost recovery fee charged by the Bureau (but excludes Stamping and other fees charged by insurance carriers and expected to be minimal.

Governance Committee Chair Candido asked for a motion to advance to the full board and recommend adoption of the resolution awarding the Regulating District's insurance coverage contract for the period July 1, 2024 through June 30, 2025 to the New York State Bureau of Risk and Insurance Management for the annual premium amount of $293,118.53. Mrs. Allen so moved and Mr. Hayes seconded. The Board approved the motion adopting the resolution by unanimous vote.

C. Motion to Advance to the Full Board a Resolution to Award the Regulating District's Marine Insurance Program and Approve Marine Insurance Proposal for Policy Year July 1, 2024 Through June 30, 2025.

RESOLUTION TO AWARD THE REGULATING DISTRICT'S MARINE INSURANCE PROGRAM AND APPROVE MARINE INSURANCE PROPOSAL FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Mr. Maniccia presented a resolution to award the Regulating District's Marine Insurance Policy for the policy year July 1, 2024 through June 30, 2025 to Arthur J. Gallagher and to approve the firm's proposal to supply such insurance during that period. Mr. Maniccia explained that Marine Insurance coverage has historically existed separate and apart from the other insurance coverages obtained by the Regulating District, in part because the term of the coverage differs from that of the other insurance coverages the Regulating District obtains and covers marine liability coverage, which protects ship owners and operators against liabilities and expenses arising from the operation of their vessels, including third-party liabilities, collision liabilities, wreck removal costs, and crew liabilities. He noted that Marine Insurance coverage also consists of hull coverage, which covers damage to the hull, deck, and other structural components of the boat caused by accidents, such as collisions, grounding, or storms as well as coverage for theft, vandalism, and fire damage. Mr. Maniccia pointed out that Arthur J. Gallagher has satisfactorily served as the Regulating District's insurance broker for many years, including in the provision of Marine Insurance coverage, and recommended the Board continue that relationship. Mr. Maniccia also noted that Arthur J. Gallagher proposed a Marine Insurance policy for the fiscal period of July 1, 2024 through June 30, 2025 for an amount estimated at $6,002.00. In response to Mr. Candido's question, Mr. Maniccia noted that the premium increased by about 10% over last year.

Governance Committee Chair Candido asked for a motion to advance to the full board and recommend adoption of the resolution to award the Regulating District's Marine Insurance Program for policy year July 1, 2024 through June 30, 2025 to Arthur J. Gallagher and to approve the firm's proposal to furnish marine insurance coverage for that period for an amount not to exceed $6,002.00. Mr. Hayes so moved and Mrs. Allen seconded. The Committee approved the motion advancing the resolution by unanimous vote.

D. Motion to Advance to the Full Board a Resolution to Award Lease to Operate Stillwater Hydroelectric Plant to Northern Power & Light, Inc. (Contract L012024R).

RESOLUTION TO AWARD LEASE TO OPERATE STILLWATER HYDROELECTRIC PLANT TO NORTHERN POWER & LIGHT, INC. (CONTRACT L012024R)

Mr. Leslie presented the resolution to award the Lease to operate the Stillwater Hydroelectric Plant to Northern Power & Light, Inc. He noted that Stillwater Associates, LP has continued to pay rent pursuant to the terms outlined in the original Ground Lease and Water Usage Agreement, but that through mutual agreement between the parties to said lease, such tenancy will terminate on June 30, 2024. The parties are working to close upon the sale of the hydroelectric plant Stillwater Associates, LP constructed on the leased parcel to the Regulating District by that same date. In anticipation of the expiration of the lease to Stillwater Associates LP, and the Regulating District's purchase of the hydroelectric plant, the Regulating District published a request for proposals in the NYS Contract Reporter, and solicited proposals via print and online advertisements seeking entities interested in leasing and operating the Plant; said solicitation garnering nearly three dozen interested bidders. Mr. Leslie explained that six (6) potential bidders participated in either an in-person site visit or a virtual site visit and that the Regulating District received two proposals in response to the solicitation.

Northern Power & Light proposes a lease payment of Fifty Thousand Dollars ($50,000) annually, subject to a 3% annual escalator, to be paid in monthly installments. The other bidder, Clifton Science and Engineering, LLC proposed a range of three alternate lease payment options. The Chief Fiscal Officer determined Clifton Science and Engineering, LLC's proposal to be non-responsive to the solicitation due to the failure of the firm to provide a firm rent proposal in the format specified, then reviewed the remaining proposal for compliance with the RFP Documents and made a determination of apparent high bidder according to the RFP. A team of three evaluators, consisting of the Chief Engineer, General Counsel and the Director of Administrative Services, assessed each proposal against a set of criteria to establish a technical score; reviewing evidence of each proposer's experience reliability and responsibly operating similar hydroelectric facilities. All four members of the evaluation team recommend that the Board conditionally award to Northern Power & Light, Inc. a lease for a period of six (6) years, with an option available for an additional twenty (20) year term commencing July 1, 2024 for a portion of the SITE and the PLANT; and seek Board authorization for the Executive Director to form and execute a lease with Northern Power & Light, Inc.

Mr. DeWitt joined the Committee at 10:19AM.

Mr. Leslie noted that the Plant operates pursuant to perpetual exemption (P-6743) from licensure issued by the Federal Energy Regulatory Commission ("FERC") on March 14, 1984 and that on June 14, 1985, as later amended February 28, 1993, Stillwater Associates, LP entered into a transferable Power Purchase Agreement ("PPA") with National Grid governing the price National Grid pays for energy generated at the Plant.

The evaluation team seeks authority to facilitate a transfer of the Power Purchase Agreement between National Grid and Stillwater Associates, LP to Northern Power & Light, Inc. and authority to alert the Commission to the new operator of the exempt facility. Mr. Leslie noted that the agreement with NP&L will be subject to review and approval by the NYS Attorney General.

Committee Chair Candido called for a motion advancing to the full board and recommending approval of a resolution conditionally awarding the lease and operation of the State-owned Hydroelectric Plant at Stillwater Reservoir to Northern Power & Light, Inc. and authorizing the Executive Director to form a lease for a portion of the SITE and the Plant for a period of six (6) years, with an option available for an additional twenty (20) year term commencing July 1, 2024 for a lease payment of Fifty Thousand Dollars ($50,000) annually, subject to a 3% annual escalator, to be paid in monthly installments. Mrs. Allen so moved and Mr. Hayes seconded. The Committee approved the motion advancing the resolution by unanimous vote.

E. Motion to Advance to the Full Board a Resolution to Authorize the Expenditure of Additional Funds to Complete the Sacandaga Field Office Boathouse Roof Replacement.

RESOLUTION TO AUTHORIZE THE EXPENDITURE OF ADDITIONAL FUNDS TO COMPLETE THE SACANDAGA FIELD OFFICE BOATHOUSE ROOF REPLACEMENT

Ms. Ruzycky presented a resolution to authorize an expenditure to complete the SFO Boathouse roof. She noted that, pursuant to Resolution 23-37-08, the Board authorized $8,750.00 to Correll Contracting Corp. for the replacement of the Sacandaga Field Office boathouse roof. During construction, the contractor discovered deteriorated sheathing warranting additional labor and material expenditures to complete the scope of services outlined in its May 2, 2023 proposal. Ms. Ruzycky explained the cost to acquire and install the replacement materials represent a change to the proposed scope of work and required the expenditure of an additional $120.00.

Committee Chair Candido called for a motion advancing to the full board and recommending approval of a resolution authorizing the expenditure of and additional $120.00 increasing the contract with Correll Contracting Corp. to a total contract price not to exceed $8,870.00. Mr. Hayes so moved and Mrs. Allen seconded. The Committee approved the motion advancing the resolution by unanimous vote.

F. Motion to Advance to the Full Board a Resolution Authorizing the Expenditure of $6,607.80 for Purchase of Six Replacement Sections of Log Boom for Stillwater Dam.

RESOLUTION AUTHORIZING THE EXPENDITURE OF $6,607.80 FOR PURCHASE OF SIX REPLACEMENT SECTIONS OF LOG BOOM FOR STILLWATER DAM

Mr. Foltan presented a resolution to authorize the expenditure of $6,607.80 for the

purchase of six replacement sections of log boom for the Stillwater Dam. He noted that six sections of the TuffBoom booms in use at Stillwater Dam are showing wear and tear and are in need of repair and/or replacement. Staff solicited a quote from Worthington Waterway Barriers for new polyethylene "TuffBoom" log boom sections with interconnection hardware, anchor connections and chains and concluded the quote provided of $6,607.80 to be reasonable. Mr. Foltan noted the TuffBoom system comes with a 50-year warranty, and is in use by the Regulating District at the Conklingville Dam, the Stillwater Dam, and will be deployed at the Indian Lake Dam in conjunction with the ongoing rehabilitation project.

Committee Chair Candido called for a motion advancing to the full board and recommending adoption of the resolution authorizing the expenditure of $6,607.80 for the purchase of six replacement log boom sections from Worthington Waterway Barriers. Mrs. Allen so moved and Mr. Hayes seconded. The Committee approved the motion advancing the resolution by unanimous vote.

G. Motion to Advance to the Full Board a Resolution Authorizing the Executive Director to Negotiate and Enter into an Agreement with Interactive Media Consulting, LLC.

RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE AND ENTER INTO AN AGREEMENT WITH INTERACTIVE MEDIA CONSULTING, LLC

Ms. Ruzycky presented a resolution authorizing an agreement with Interactive Media Consulting, LLC. She noted that the Regulating District implemented a new online payment system in 2021 to allow customers the ability to renew access permits online. The permit transaction system has resulted in greater speed for renewals, and improved record keeping such as a definitive email confirmation of a successful transaction. She suggested that the Regulating District seeks to build on these improvements by further enhancing the functionality of the online system and providing the necessary technical support to customers, and that Interactive Media Consulting, LLC ("IMC"), a certified WBE, has provided necessary technical support services pursuant to Board authorizations enacted in May 2020, November of 2021, May 2022, and August 2023. She noted that IMC also manages the Regulating District's Constant Contact account and provides website hosting services. Ms. Ruzycky recommended the Board approve IMC's June 5, 2024, proposal to perform the services described above, for an amount not-to-exceed $8,624.00, for the period July 1, 2024 through June 30, 2025.

Committee Chair Candido called for a motion advancing to the full Board and recommending adoption of a resolution authorizing the Executive Director to enter into an agreement with Interactive Media Consulting, LLC for the period of July 1, 2024 through June 30, 2025 at an amount not to exceed $8,624.00. Mr. Hayes so moved and Mrs. Allen seconded. The Committee approved the motion advancing the resolution by unanimous vote.

H. Motion to Advance to the Full Board a Resolution Authorizing the Executive Director to Enter into an Amendment to the April 2023 Agreement with LogicalNet for Information Technology Services

RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO ENTER INTO AN AMENDMENT TO THE APRIL 2023 AGREEMENT WITH LOGICALNET FOR INFORMATION TECHNOLOGY SERVICES

Mr. Maniccia presented a resolution authorizing an amendment to the Regulating District's April 2023 Agreement through which LogicalNet Corporation (LogicalNet) provides information technology services. He noted pursuant to resolution 23-07-03, adopted on March 29, 2023, the Board authorized staff to enter into an agreement with LogicalNet, continuing the provision of managed network services commenced in December 2019. He explained that the Regulating District has implemented several LogicalNet recommendations responsive to the then ongoing Office of the State Comptroller's audit regarding security over critical systems, and that LogicalNet has supplied a proposal to continue to provide recommendations to increase the Regulating District's cybersecurity awareness and defenses; as well server upgrades to enhance the functionality of the Regulating District's information technology infrastructure. Recommendations include replacement of the main servers in Albany and Mayfield, as well as new firewall licenses and email protection to continue and enhance current levels of cyber security. Mr. Maniccia recommended that the Board authorize the Executive Director to amend the April 2023 agreement, make a $41,800 one-time payment for the infrastructure upgrades and extend the agreement for an additional three years at $1,674 per year.

Committee Chair Candido called for a motion to advance to the full board and recommend adoption of a resolution authorizing the Executive Director to enter into an amendment extending the April 2023 agreement with LogicalNet for a one-time payment not-to-exceed $41,800.00 and a recurring annual payment of $1,674.00 for additional cost over three years not to exceed $46,822.00. Mrs. Allen so moved. Mr. Hayes seconded and the Committee adopted the motion by unanimous vote.

ADJOURNMENT

There being no further business to come before the Governance Committee, Mr. Hayes moved to adjourn the meeting. Mrs. Allen seconded the motion to adjourn. The Committee approved the motion by unanimous vote. The committee meeting adjourned at 10:32 A.M.

Respectfully submitted,

Robert P. Leslie
Secretary

Mark M. Finkle
Board Chair

Authorities Budget Office
Policy Guidance

No. 10-05

Date Issued: October 26, 2010
Supersedes: New

Subject: Annual Board of Directors Evaluation

Statutory Citation: Public Authorities Law sections 2800(1)(a)(15) and 2800(2)(a)(15) and Section 2824(7)

Provision: The 2009 Public Authorities Reform Act requires that the board of every state and local public authority conduct an annual evaluation of its performance. Board member comments are protected from disclosure under Article 6 of Public Officers Law, but the results of the assessment are to be provided to the ABO.

Authorities Budget Office Policy Guidance: Board members must be committed to the highest standards of corporate governance. The board must hold itself accountable to the mission of the authority and the public interest. This annual assessment is a reminder to each board member of his or her duties, why those responsibilities are important, and whether they are performing those duties appropriately. The evaluation provides an opportunity for board members to measure their individual and collective effectiveness, determine if they are following their own policies and procedures, identify areas for board improvement, and to compare how their evaluation of the board's performance compares to that of other board members. This annual evaluation can be a learning tool to educate board members and build a well functioning board.

The Authorities Budget Office recommends that each board member annually perform his/her own evaluation of the whole board. The evaluation should be conducted confidentially with the results compiled by the governance committee. Furthermore, the ABO consulted with the Committee on Open Government, which advised that a board discussion of its performance "would constitute a matter made confidential, by state law that, therefore, could be conducted in private."

To the extent that the results of this evaluation demonstrate the need for the board to improve its performance, amend its practices or procedures, or clarify its expectations of board members, the board is expected to implement suitable corrective actions immediately.

The Authorities Budget Office has developed the following model board evaluation tool that can be adopted by public authorities to meet the needs of their boards of directors. This document should be completed by each board member.

Confidential Evaluation of Board Performance

Criteria	Agree	Somewhat Agree	Somewhat Disagree	Disagree
Board members have a shared understanding of the mission and purpose of the Authority.				
The policies, practices and decisions of the Board are always consistent with this mission.				
Board members comprehend their role and fiduciary responsibilities and hold themselves and each other to these principles.				
The Board has adopted policies, by-laws, and practices for the effective governance, management and operations of the Authority and reviews these annually.				
The Board sets clear and measurable performance goals for the Authority that contribute to accomplishing its mission.				
The decisions made by Board members are arrived at through independent judgment and deliberation, free of political influence, pressure or self-interest.				
Individual Board members communicate effectively with executive staff so as to be well informed on the status of all important issues.				
Board members are knowledgeable about the Authority's programs, financial statements, reporting requirements, and other transactions.				
The Board meets to review and approve all documents and reports prior to public release and is confident that the information being presented is accurate and complete.				
The Board knows the statutory obligations of the Authority and if the Authority is in compliance with state law.				
Board and committee meetings facilitate open, deliberate and thorough discussion, and the active participation of members.				
Board members have sufficient opportunity to research, discuss, question and prepare before decisions are made and votes taken.				
Individual Board members feel empowered to delay votes, defer agenda items, or table actions if they feel additional information or discussion is required.				
The Board exercises appropriate oversight of the CEO and other executive staff, including setting performance expectations and reviewing performance annually.				
The Board has identified the areas of most risk to the Authority and works with management to implement risk mitigation strategies before problems occur.				
Board members demonstrate leadership and vision and work respectfully with each other.				

Date Completed: _____

The member responses to the Board Evaluation questionnaire should be aggregated and the results submitted to the ABO via email (Subject: CONFIDENTIAL Results of Board of Directors Evaluation) within 90 days of the close of the authority's fiscal year. The board evaluation is required annually beginning with fiscal years ending on or after September 30, 2010.

A model summary reporting form has been provided, below, that should be revised to reflect the evaluation tool adopted by your public authority. Enter in each cell the number of board members who answered the question with that response.

Results should be sent to: info@abo.state.ny.us

Summary Results of Confidential Evaluation of Board Performance

Criteria	Agree	Somewhat Agree	Somewhat Disagree	Disagree
Board members have a shared understanding of the mission and purpose of the Authority.	#	#	#	#
The policies, practices and decisions of the Board are always consistent with this mission.				
Board members comprehend their role and fiduciary responsibilities and hold themselves and each other to these principles.				
The Board has adopted policies, by-laws, and practices for the effective governance, management and operations of the Authority and reviews these annually.				
The Board sets clear and measurable performance goals for the Authority that contribute to accomplishing its mission.				
The decisions made by Board members are arrived at through independent judgment and deliberation, free of political influence or self-interest.				
Individual Board members communicate effectively with executive staff so as to be well informed on the status of all important issues.				
Board members are knowledgeable about the Authority's programs, financial statements, reporting requirements, and other transactions.				
The Board meets to review and approve all documents and reports prior to public release and is confident that the information being presented is accurate and complete.				
The Board knows the statutory obligations of the Authority and if the Authority is in compliance with state law.				
Board and committee meetings facilitate open, deliberate and thorough discussion, and the active participation of members.				
Board members have sufficient opportunity to research, discuss, question and prepare before decisions are made and votes taken.				
Individual Board members feel empowered to delay votes, defer agenda items, or table actions if they feel additional information or discussion is required.				
The Board exercises appropriate oversight of the CEO and other executive staff, including setting performance expectations and reviewing performance annually.				
The Board has identified the areas of most risk to the Authority and works with management to implement risk mitigation strategies before problems occur.				
Board members demonstrate leadership and vision and work respectfully with each other.				

Name of Authority: _____

Date Completed: _____

Hudson River-Black River Regulating District

September 10, 2024
10 AM

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737 Bunker Hill Road
Mayfield, NY 12117

Oneida County Office Building
800 Park Avenue, 10th Floor
Utica, NY 13501

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REGULAR BOARD MEETING AGENDA

1. Call to Order - ***Chairman Finkle***

2. Roll Call - ***Mr. Leslie***

3. Motion to Adopt or Revise Meeting Agenda - ***Chairman Finkle***

4. Introduction of Guests – ***Chairman Finkle***

5. Public Comment Period - ***Chairman Finkle***

6. Approval of June 20, 2024 Regular Board Meeting Minutes ***- Chairman Finkle***

7. Report of the Executive Director – ***Mr. Callaghan***

8. Contracts/Actions
   a. Motion to Approve Resolution Authorizing the Expenditure of up to $52,782.71 for Purchase of a Replacement Pickup Truck for the Hudson River Area – ***Mr. Callaghan***
   b. Motion to Approve Resolution Authorizing the Expenditure of up to $59,710.08 for Purchase of a Replacement Pickup Truck for the Black River Area **–** ***Mr. Callaghan***
   c. Motion to Approve Resolution Authorizing the Expenditure of up to $77,855.66 for Purchase of a Mini Track Loader in the Hudson River Area – ***Mr. Callaghan***

d. Motion to Approve Resolution Authorizing the Expenditure of $14,900 for Main Entrance Doorway Replacement at Sacandaga Field Office Main Entrance – ***Mr. Callaghan***
e. Motion to Approve Resolution Authorizing the Expenditure of $20,377.60 for Materials to Effect Repairs at Sacandaga Field Office Porches– ***Mr. Callaghan***
f. Motion to Approve Resolution Authorizing the Expenditure of $12,040 for Rental Equipment Used in Response to Tornado Damage– ***Mr. Callaghan***
g. Motion to Approve Resolution to Award the Work to Perform Stillwater Dam Ninth Part 12D Independent Consultant Safety Inspection – Contract No. C022024 to Henningson, Durham & Richardson Architecture and Engineering, P.C., Inc. – ***Mr. Callaghan***

9. Staff/Committee Reports
a. Audit Committee – ***Mr. Hayes***
    i. Resolution Approving BPAS to Perform GASB 75 Valuation for Fiscal Year Ending June 30, 2024.
b. Governance Committee – ***Mr. Candido***
    i. Collection of Board Member's Confidential Evaluations of Board Performance
c. General Counsel
d. Director of Administrative Services
e. Chief Fiscal Officer
    i. Approval of Board Member Expenses

10. Board Member Questions and Comments

11. Resolution for Next Board Meeting

12. Adjournment

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BOARD MEETING MINUTES
June 20, 2024
10 AM

Sacandaga Field Office Conference Room
Sacandaga Field Office
737 Bunker Hill Road
Mayfield, NY 12117

Participants were invited to join the meeting via computer, tablet or smartphone.
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CALL TO ORDER

Chair Mark Finkle called the meeting to order at 10:56 A.M.

ROLL CALL

Present: Board Chair Mark M. Finkle; First Vice-Chair Kenneth F. DeWitt; Second Vice Chair Alfred J. Candido, Jr.; Board Members Albert J. Hayes, Timothy J. Reagan and Nicole T. Allen; Executive Director John C. Callaghan, General Counsel Robert P. Leslie, Chief Engineer Robert S. Foltan, Chief Fiscal Officer Timothy M. Maniccia and Director of Administrative Services Stephanie V. Ruzycky.

Video Feed: Board Member Richard Bird, (travel, Non-voting {Not Noticed to Be Remote}

MOTION TO ADOPT OR REVISE THE MEETING AGENDA

Chair Finkle asked for a motion to adopt or revise the meeting agenda. Mr. Hayes moved to adopt the agenda. Mr. DeWitt seconded and the Board approved the motion by unanimous vote.

PUBLIC COMMENT

Chair Finkle opened the meeting to public comment; hearing none. Mr. Callaghan noted for Chair Finkle that staff did expect one caller to offer comment and suggested that the Chair re-open the comment period before consideration of the resolution concerning the lease at Stillwater Reservoir. Chair Finkle agreed.

APPROVAL OF THE MAY 14, 2024 REGULAR BOARD MEETING MINUTES

Chair Finkle asked for a motion to adopt the May 14, 2024 regular board meeting minutes. Mr. Hayes advanced the motion to approve the regular meeting minutes. Mr. DeWitt seconded. The Board approved the motion by unanimous vote.

REPORT OF THE EXECUTIVE DIRECTOR

Mr. Callaghan presented his report to the Board therein noting that during the reporting period he worked closely with General Counsel on issues related to the purchase of the Stillwater Hydroelectric Plant and competitive process to select a new lessee for the plant. He continues to work closely with the CFO on finalizing the next, 3-year spending plan and assessments, pending approval of the FY 2025 State budget and especially in light of Stillwater Associates & Brookfield issues and also worked with senior staff to successfully resolve ESG's requests for additional payments regarding the Hawkinsville Dam rehabilitation project; resulting in the close-out of the project within the Board-authorized contract amount. Mr. Callaghan's report noted that in conjunction with National Safe Boating week, he worked with Safe Lake Initiative partners to host a press conference with various State, County & local agencies & departments on 5/16 at the Sacandaga Field Office, attended by Chairman Finkle and Board Member De Witt, as well as helping to facilitate the multi-agency exercise on 5/23, and hosted a two-night boater safety course at the Sacandaga Field Office on 5/21 & 5/22. Mr. Callaghan expressed special thanks to the SFO staff who supported these activities, including set up for the press conference and boater safety course, and including deployment of the workboat to help support the training exercise. Mr. Callaghan also thanked Mr. Leslie, Mr. Maniccia, Mr. Foltan and Ms. Ruzycky for their efforts bringing the Stillwater Hydro negotiation and RFP to a close, and preparing the next three annual budgets.

MOTION TO APPROVE REGULATING DISTRICT ANNUAL REPORT JANUARY 1, 2023-DECEMBER 31, 2023

Mr. Callaghan presented the Regulating District's annual report. Chairman Finkle asked for a motion to adopt the report and deliver it to the Commissioner of the NYS Department of Environmental Conservation as required by ECL Article 15, Title 21. Mrs. Allen moved to approve the Regulating District's Annual Report for January 1, 2023 through December 31, 2023 and to deliver the report to DEC as required. Mr. DeWitt seconded the motion and the Board adopted the motion by unanimous vote.

STAFF/COMMITTEE REPORTS

FINANCE COMMITTEE REPORT

RESOLUTION APPROVING A BUDGET FOR THE HUDSON RIVER-BLACK RIVER REGULATING DISTRICT FOR THE PERIOD JULY 1, 2024 THROUGH JUNE 30, 2027 AND FOURTH YEAR PROPOSED FINANCIAL PLAN FOR THE PERIOD JULY 1, 2027 THROUGH JUNE 30, 2028

Finance Committee Chairman Kenneth DeWitt presented proposed three budgets for the period July 1, 2024 through June 30, 2027. Mr. DeWitt asked Mr. Maniccia to outline changes, if any, to the proposed budgets resulting from circumstances arising since the Committee's previous work session on the budget. Mr. Maniccia noted that pursuant to the Regulating District's enabling legislation ECL §15-2125, the Board is responsible for estimating an amount sufficient to pay the expense of maintenance and operation of the Regulating District, which, when determined, will be fixed for a period of three (3) years. He also noted that consistent with Section 5 of Article 10 of the New York State Constitution, Article 9 of the Public Authorities Law and Section 8(14) of the State Finance Law, the State Comptroller adopted regulation 2 NYCCR Part 203, "Budget and Financial Plan Format, Supporting Documentation and Monitoring – Public Authorities" requiring a fourth year proposed financial plan. Mr. Maniccia provided a brief overview of the budget proposals. Mr. Maniccia recommended that the Board adopt the proposed budgets for July 1, 2024 through June 30, 2027 and fourth year proposed financial plan. Mr. Callaghan concurred in Mr. Maniccia's recommendation. The proposed three-year budget are attached.

Chair Mark Finkle asked for a motion to adopt the July 1, 2024 through June 30, 2027 Budgets and the fourth-year financial plan. Mr. Hayes so moved and Mr. Reagan seconded. The Board adopted the motion adopting the budgets and financial plan by unanimous vote.

RESOLUTION TO APPROVE THE ANNUAL ASSESSMENT FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE BLACK RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Finance Committee Chair Kenneth DeWitt presented the annual assessment for the operation and maintenance of storage reservoirs in the Black River area for the period July 1, 2024 through June 30, 2025 pursuant to Environmental Conservation Law, Article 15, Title 21, Sections 15-2123 and 15-2125, and requested that the Board approve a resolution setting the annual assessment ($1,257,019.00) accordingly. The Black River area assessment is attached.

Chair Mark Finkle asked for a motion to adopt the July 1, 2024 through June 30, 2025 Black River area assessment ($1,257,019.00). Mr. Reagan so moved. Mr. Hayes seconded and the Board approved the motion by unanimous vote.

RESOLUTION TO APPROVE THE STATE SHARE FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE BLACK RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Committee Chair Kenneth DeWitt presented a resolution setting the state share for the operation and maintenance of storage reservoirs in the Black River area for the period of July 1, 2024 – June 30, 2025 pursuant to Environmental Conservation Law, Article 15, Title 21, Sections 15-2123 and 15-2125, and requested that the Board approve a resolution setting the Black River area state share ($742,188.00) accordingly. The Black River area state share statement is attached.

Chair Mark Finkle asked for a motion to adopt the resolution setting the Black River area state share for the first year (July 1, 2024 - June 30, 2025) of the three year budget period (July 1, 2024 - June 30, 2027) in the amount of $742,188.00. Mr. Reagan so moved. Mrs. Allen seconded and the Board approved the motion by unanimous vote.

RESOLUTION TO APPROVE THE ANNUAL ASSESSMENT FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE HUDSON RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Finance Committee Chair DeWitt presented the annual assessment for the operation and maintenance of storage reservoirs in the Hudson River area for the period July 1, 2024 through June 30, 2025 pursuant to Environmental Conservation Law, Article 15, Title 21, Sections 15-2123 and 15-2125, and requested that the Board approve a resolution setting the annual assessment ($2,576,526.00) accordingly. The Hudson River area assessment is attached.

Chair Mark Finkle asked for a motion to adopt the July 1, 2024 through June 30, 2025 Hudson River area assessment ($2,576,526.00). Mr. Hayes so moved. Mrs. Allen seconded and the Board approved the motion by unanimous vote.

RESOLUTION TO APPROVE THE STATE SHARE FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE HUDSON RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Finance Committee Chair DeWitt presented a resolution setting the state share for the operation and maintenance of storage reservoirs in the Hudson River area for the period of July 1, 2024 – June 30, 2025 pursuant to Environmental Conservation Law, Article 15, Title 21, Sections 15-2123 and 15-2125, and requested that the Board approve a resolution setting the Hudson River area state share ($507,812.00) accordingly. The Hudson River area state share statement is attached.

Chair Mark Finkle asked for a motion to adopt the resolution setting the Hudson River area state share for the first year (July 1, 2024 - June 30, 2025) of the three year budget period (July 1, 2024 - June 30, 2027) in the amount of $507,812.00. Mrs. Allen so moved. Mr. Hayes seconded and the Board approved the motion by unanimous vote.

GOVERNANCE COMMITTEE REPORT

RESOLUTION TO AWARD THE REGULATING DISTRICT'S INSURANCE PROGRAM FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Governance Committee Chair Candido presented a resolution to award the Regulating District's insurance program for policy year July 1, 2024 through June 30, 2025. Committee Chair Candido noted that the New York State Office of General Services, Bureau of Risk and Insurance Management dedicates staff to provide professional services and guidance on risk coverage and

insurance needs for government agencies, authorities and public benefit corporations. He explained that the Bureau has competed the competitive procurement process for a wide range of insurance coverage; including General Liability, Umbrella-Excess Liability Property, Employment Practices Liability, Cyber/Data Breach Coverage and other coverage previously utilized by the Regulating District. Mr. Candido recommended that the Board determine that the insurance program for the policy year of July 1, 2024 through June 30, 2025 is a necessary service and that the Board award the Regulating District's insurance program for the policy year July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management.

Chair Mark Finkle asked for a motion to adopt the resolution to award the Regulating District's insurance program for policy year July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management. Mr. DeWitt so moved and Mr. Hayes seconded. The Board approved the motion adopting the resolution by unanimous vote.

RESOLUTION TO APPROVE INSURANCE PROPOSAL FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Governance Committee Chair Candido presented a resolution to approve the insurance proposal for policy year July 1, 2024 through June 30, 2025. Building upon the resolution awarding the New York State Office of General Services, Bureau of Risk and Insurance Management the Regulating District's insurance program for the policy year ending June 30, 2025, Mr. Candido, the Executive Director and Chief Fiscal Officer recommended that the Board accept the insurance proposal developed by the Bureau for the annual premium amount of $293,118.53; which includes the cost of insurance coverage and the cost recovery fee charged by the Bureau (but excludes Stamping and other fees charged by insurance carriers and expected to be minimal).

Chair Mark Finkle asked for a motion to adopt the resolution awarding the Regulating District's insurance coverage contract for the period July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management for the annual premium amount of $293,118.53. Mr. Reagan so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

RESOLUTION TO AWARD THE REGULATING DISTRICT'S MARINE INSURANCE PROGRAM AND APPROVE MARINE INSURANCE PROPOSAL FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Governance Committee Chair Candido presented a resolution to award the Regulating District's Marine Insurance Policy for the policy year July 1, 2024 through June 30, 2025 to Arthur J. Gallagher and to approve the firm's proposal to supply such insurance during that period. Mr. Candido explained that Marine Insurance coverage has historically existed separate and apart from the other insurance coverages obtained by the Regulating District, in part because the term of the coverage differs from that of the other insurance coverages the Regulating District obtains and covers marine liability coverage, which protects ship owners and operators against liabilities and expenses arising from the operation of their vessels, including third-party liabilities, collision

liabilities, wreck removal costs, and crew liabilities. He noted that Marine Insurance coverage also consists of hull coverage, which covers damage to the hull, deck, and other structural components of the boat caused by accidents, such as collisions, grounding, or storms as well as coverage for theft, vandalism, and fire damage. Mr. Candido pointed out that Arthur J. Gallagher has satisfactorily served as the Regulating District's insurance broker for many years, including in the provision of Marine Insurance coverage, and recommended the Board continue that relationship. Mr. Candido also noted that Arthur J. Gallagher proposed a Marine Insurance policy for the fiscal period of July 1, 2024 through June 30, 2025 for an amount estimated at $6,002.00.

Board Chair Mark Finkle asked for a motion to adopt the resolution to award the Regulating District's Marine Insurance Program for policy year July 1, 2024 through June 30, 2025 to Arthur J. Gallagher and to approve the firm's proposal to furnish marine insurance coverage for that period for an amount not to exceed $6,002.00. Mrs. Allen so moved and Mr. Reagan seconded. The Board approved the motion adopting the resolution by unanimous vote.

RESOLUTION TO AWARD LEASE TO OPERATE STILLWATER HYDROELECTRIC PLANT TO NORTHERN POWER & LIGHT, INC. (CONTRACT L012024R)

Committee Chair Candido presented the resolution to award the lease to operate the Stillwater Hydroelectric Plant to Northern Power & Light, Inc. He noted that Stillwater Associates, LP has continued to pay rent pursuant to the terms outlined in the original Ground Lease and Water Usage Agreement, but that through mutual agreement between the parties to said lease, such tenancy will terminate on June 30, 2024. The parties are working to close upon the sale of the hydroelectric plant Stillwater Associates, LP constructed on the leased parcel to the Regulating District by that same date. In anticipation of the expiration of the lease to Stillwater Associates LP, and the Regulating District's purchase of the hydroelectric plant, the Regulating District published a request for proposals in the NYS Contract Reporter, and solicited proposals via print and online advertisements seeking entities interested in leasing and operating the Plant; said solicitation garnering nearly three dozen interested bidders. Mr. Candido explained that six (6) potential bidders participated in either an in-person site visit or a virtual site visit and that the Regulating District received two proposals in response to the solicitation.

Northern Power & Light proposes a lease payment of Fifty Thousand Dollars ($50,000) annually, subject to a 3% annual escalator, to be paid in monthly installments. The other bidder, Clifton Science and Engineering, LLC proposed a range of three alternate lease payment options. The Chief Fiscal Officer determined Clifton Science and Engineering, LLC's proposal to be non-responsive to the solicitation due to the failure of the firm to provide a firm rent proposal in the format specified, then reviewed the remaining proposal for compliance with the RFP Documents and made a determination of apparent high bidder according to the RFP. A team of three evaluators, consisting of the Chief Engineer, General Counsel and the Director of Administrative Services, assessed each proposal against a set of criteria to establish a technical score; reviewing evidence of each proposer's experience reliability and responsibly operating similar hydroelectric facilities. All four members of the evaluation team recommend that the Board conditionally award to Northern Power & Light, Inc. a lease for a period of six (6) years, with an option available for an additional twenty (20) year term commencing July 1, 2024 for a portion of the SITE and the

Plant; and seek Board authorization for the Executive Director to form and execute a lease with Northern Power & Light, Inc.

Mr. Candido noted that the Plant operates pursuant to perpetual exemption (P-6743) from licensure issued by the Federal Energy Regulatory Commission ("FERC") on March 14, 1984 and that on June 14, 1985, as later amended February 28, 1993, Stillwater Associates, LP entered into a transferable Power Purchase Agreement ("PPA") with National Grid governing the price National Grid pays for energy generated at the Plant. The Committee recommends the Board approve a transfer of the Power Purchase Agreement between National Grid and Stillwater Associates, LP to Northern Power & Light, Inc. and alert the Commission to the new operator of the exempt facility.

Chair Finkle re-opened the Board's public comment period. Charles Mierek, of Clifton Science and Engineering, Inc. addressed the Board indicating that the chosen proposal represents a more than fifty-percent discount from the figure Clifton Science was prepared to offer. Mr. Mierek noted his extensive experience in the operation of hydroelectric plants; specifically noting his role working for the company in Ontario, Canada which originally fabricated the generation equipment in use at Stillwater. He explained the three potential scenarios under which the Clifton Science bid would beat the winning bid, but when asked by a Board Member for a rental amount that would be guaranteed, did not provide a firm figure. Mr. Callaghan noted the RFP's emphasis on certainty of amount as a primary concern for the Regulating District; noting that such certainty Is a necessity in crafting the budget placed before the Board this same date.

Board Chair Mark Finkle called for a motion adopting the resolution conditionally awarding the lease and operation of the State-owned Hydroelectric Plant at Stillwater Reservoir to Northern Power & Light, Inc. and authorizing the Executive Director to form a lease for a portion of the SITE and the Plant for a period of six (6) years, with an option available for an additional twenty (20) year term commencing July 1, 2024 for a Lease Payment of Fifty Thousand Dollars ($50,000) annually, subject to a 3% annual escalator, to be paid in monthly installments; authorizing staff to facilitate transfer of the Power Purchase Agreement and notifying the Commission to the new operator of the exempt facility. Mr. Hayes so moved and Mr. Reagan seconded. The Board approved the motion adopting the resolution by unanimous 6-0 vote.

RESOLUTION TO AUTHORIZE THE EXPENDITURE OF ADDITIONAL FUNDS TO COMPLETE THE SACANDAGA FIELD OFFICE BOATHOUSE ROOF REPLACEMENT

Committee Chair Candido presented a resolution to authorize an expenditure to complete the SFO Boathouse roof. He noted that, pursuant to Resolution 23-37-08, the Board authorized $8,750.00 to Correll Contracting Corp. for the replacement of the Sacandaga Field Office boathouse roof. During construction, the contractor discovered deteriorated sheathing warranting additional labor and material expenditures to complete the scope of services outlined in its May 2, 2023 proposal. Mr. Candido explained the cost to acquire and install the replacement materials represent a change to the proposed scope of work and required the expenditure of an additional $120.00.

Board Chair Mark Finkle called for a motion adopting the resolution authorizing the expenditure of an additional $120.00 increasing the contract with Correll Contracting Corp. to a total contract price not-to-exceed $8,870.00. Mr. Hayes so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

RESOLUTION AUTHORIZING THE EXPENDITURE OF $6,607.80 FOR PURCHASE OF SIX REPLACEMENT SECTIONS OF LOG BOOM FOR STILLWATER DAM

Committee Chair Candido presented a resolution to authorize the expenditure of $6,607.80 for the purchase of six replacement sections of log boom for the Stillwater Dam. He noted that six sections of the TuffBoom booms in use at Stillwater Dam are showing wear and tear and are in need of repair and/or replacement. Staff solicited a quote from Worthington Waterway Barriers for new polyethylene "TuffBoom" log boom sections with interconnection hardware, anchor connections and chains and concluded the quote provided of $6,607.80 to be reasonable. Mr. Candido noted the TuffBoom system comes with a 50-year warranty, and is in use by the Regulating District at the Conklingville Dam, the Stillwater Dam, and will be deployed at the Indian Lake Dam in conjunction with the ongoing rehabilitation project.

Board Chair Mark Finkle called for a motion adopting the resolution authorizing the expenditure of $6,607.80 for the purchase of six replacement log boom sections from Worthington Waterway Barriers. Mrs. Allen so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE AND ENTER INTO AN AGREEMENT WITH INTERACTIVE MEDIA CONSULTING, LLC

Committee Chair Candido presented a resolution authorizing an agreement with Interactive Media Consulting, LLC. He noted that the Regulating District implemented a new online payment system in 2021 to allow customers the ability to renew access permits online. The permit transaction system has resulted in greater speed for renewals, and improved record keeping such as a definitive email confirmation of a successful transaction. Mr. Candido suggested that the Regulating District should build on these improvements by further enhancing the functionality of the online system. He noted that Interactive Media Consulting, LLC ("IMC"), a certified WBE, has provided necessary technical support services pursuant to Board authorizations enacted in May 2020, November of 2021, May 2022, and August 2023 and that IMC also manages the Regulating District's Constant Contact account and provides website hosting services. Mr. Candido recommended the Board approve IMC's June 5, 2024, proposal for the services described above to the Regulating District for the period July 1, 2024 through June 30, 2025.

Board Chair Mark Finkle called for a motion adopting the resolution authorizing the Executive Director to enter into an agreement with Interactive Media Consulting, LLC for the period of July 1, 2024 through June 30, 2025 at an amount not-to-exceed $8,624.00. Mr. Hayes so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO ENTER INTO AN AMENDMENT TO THE APRIL 2023 AGREEMENT WITH LOGICALNET FOR INFORMATION TECHNOLOGY SERVICES

Governance Committee Chair Candido presented a resolution authorizing an amendment to the Regulating District's April 2023 Agreement through which LogicalNet Corporation (LogicalNet) provides information technology services. He noted pursuant to resolution 23-07-03, adopted on March 29, 2023, the Board authorized staff to enter into an agreement with LogicalNet, continuing the provision of managed network services commenced in December 2019. He explained that the Regulating District has implemented several LogicalNet recommendations responsive to the then ongoing Office of the State Comptroller's audit regarding security over critical systems, and that LogicalNet has supplied a proposal to continue to provide recommendations to increase the Regulating District's cybersecurity awareness and defenses; as well server upgrades to enhance the functionality of the Regulating District's information technology infrastructure. Recommendations include replacement of the main servers in Albany and Mayfield, as well as new firewall licenses and email protection to continue and enhance current levels of cyber security. Mr. Candido reported that the Committee recommends that the Board authorize the Executive Director to amend the April 2023 agreement, make a $41,800 one-time payment for the infrastructure upgrades and extend the agreement for an additional three years at $1,674 per year.

Board Chair Finkle called for a motion to adopt the resolution authorizing the Executive Director to enter into an amendment extending the April 2023 agreement with LogicalNet for a one-time payment not-to-exceed $41,800.00 and a recurring annual payment of $1,674.00 for additional cost over three years not to exceed $46,822.00. Mrs. Allen so moved. Mr. DeWitt seconded and the Board adopted the motion by unanimous vote.

STAFF REPORTS

Mr. Leslie presented his report. Mr. Leslie noted that Erie's ninety day window to offer a substantive response to the General Recoveries Unit of the OAG's Civil Recoveries Bureau's March 15th demand letter has expired and that a meeting between OAG staff and counsel for Erie has not resolved the dispute. Mr. Leslie continues to work with counsel for Stillwater Associates LP to close the sale of the hydroelectric plant at Stillwater; including the assignment of the Power Purchase Agreement with National Grid, required notifications to FERC, and filings with the Herkimer County Clerk. He is also working with NP&L to craft an enforceable lease and operation agreement. Mr. Leslie provided advice and counsel on various contracting, contract payment, bonding and permitting matters.

Ms. Ruzycky presented her report to the Board. Ms. Ruzycky reported completion of the SFO Compliance Management Audit. She managed the employee recruitment process for seasonal labor and attended the GreenNY meeting.

Mr. Maniccia presented his report to the Board. Therein he noted that at the close of May 31, 2024, the general fund balances for the HRA and BRA were approximately $6,306,247 and $1,684,126 respectively. When combined (in the amount of $7,990,374), this total is $821,908 or

9.3% less than the same period last year. Not collecting nearly $1,407,237 from Erie Boulevard Hydropower that the Regulating District would have collected during the first eleven months of this fiscal year had the agreement been renewed is a driver of this variance. The Regulating District has also spent during this fiscal year $2,299,196 on the Indian Lake Dam Rehabilitation project and $454,512 on the Hawkinsville Dam Rehabilitation project. We anticipate nearly $835,000 of the funds spent on construction at Indian Lake will be reimbursed by the New York State Environmental Facilities Corporation when the Regulating District closes on its short term financing arrangement. Significant disbursements for the period include: Payroll, Health Insurance, Colliers, CD Perry and Arcadis. Mr. Maniccia reported that the Regulating District's transactional processing and reporting are current.

Mr. Maniccia presented an affidavit evidencing necessary and reasonable Board expenses incurred by Richard Bird ($134.00), Alfred J. Candido, Jr. ($81.74) and Kenneth F. DeWitt ($194.30) in the course of their duties as Board Members. Mr. Reagan moved to approve payment of such expenses. Mr. Hayes seconded and the Board passed the motion in a unanimous vote.

Mr. Foltan presented the Chief Engineer's report. Therein, Mr. Foltan noted that the May average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 2,620 cubic feet per second (cfs). Precipitation during the month of May was below normal across the Great Sacandaga Lake watershed and above normal in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 86% and 56% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 113% and 59% of historic average, respectively.

The May average daily release from Stillwater Reservoir was approximately 80 cfs. Monthly total precipitation measured 71%, 123%, and 118% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of May 31st. Precipitation in the month of May was below average at Stillwater, and above average at Old Forge and Sixth Lake. The monthly inflow to Stillwater Reservoir was approximately 43% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.06 and 0.19 billion cubic feet, respectively, in May. Release of water from Stillwater Reservoir averaged 18% of historic discharge.

RESOLUTION SCHEDULING DATE, TIME AND LOCATION OF THE SEPTEMBER 10, 2024 REGULAR BOARD MEETING

Chair Finkle asked for a motion to adopt a resolution setting the date, time and location for the next Regular Board meeting of the Board of the Hudson River-Black River Regulating District for Tuesday, September 10, 2024 at the Regulating District's Sacandaga Field Office Conference Room, 737 Bunker Hill Road, Mayfield, NY 12117 at 10:00 AM.

Chair Finkle called for a motion to adopt the resolution setting the date, time and location of the regular meeting. Mrs. Allen so moved. Mr. Hayes seconded and the Board adopted the resolution by unanimous vote.

ADJOURNMENT

Chair Finkle called for a motion to adjourn the meeting. Mr. Reagan advanced the motion. Mr. DeWitt seconded. The meeting adjourned at 11:37 A.M.

RESOLUTIONS

24-28-06 RESOLUTION APPROVING A BUDGET FOR THE HUDSON RIVER-BLACK RIVER REGULATING DISTRICT FOR THE PERIOD JULY 1, 2024 THROUGH JUNE 30, 2027 AND FOURTH YEAR PROPOSED FINANCIAL PLAN FOR THE PERIOD JULY 1, 2027 THROUGH JUNE 30, 2028

Chair Mark Finkle asked for a motion to adopt the July 1, 2024 through June 30, 2027 Budgets and the fourth-year financial plan. Mr. Hayes so moved and Mr. Reagan seconded. The Board adopted the motion adopting the budgets and financial plan by unanimous vote.

24-29-06 RESOLUTION TO APPROVE THE ANNUAL ASSESSMENT FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE BLACK RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Chair Mark Finkle asked for a motion to adopt the July 1, 2024 through June 30, 2025 Black River area assessment ($1,257,019.00). Mr. Reagan so moved. Mr. Hayes seconded and the Board approved the motion by unanimous vote.

24-30-06 RESOLUTION TO APPROVE THE STATE SHARE FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE BLACK RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Chair Mark Finkle asked for a motion to adopt the resolution setting the Black River area state share for the first year (July 1, 2024 - June 30, 2025) of the three year budget period (July 1, 2024 - June 30, 2027) in the amount of $742,188.00. Mr. Reagan so moved. Mrs. Allen seconded and the Board approved the motion by unanimous vote.

24-31-06 RESOLUTION TO APPROVE THE ANNUAL ASSESSMENT FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE HUDSON RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Chair Mark Finkle asked for a motion to adopt the July 1, 2024 through June 30, 2025 Hudson River area assessment ($2,576,526). Mr. Hayes so moved. Mrs. Allen seconded and the Board approved the motion by unanimous vote.

24-32-06 RESOLUTION TO APPROVE THE STATE SHARE FOR THE OPERATION AND MAINTENANCE OF STORAGE RESERVOIRS IN THE HUDSON RIVER AREA FOR THE FIRST YEAR (JULY 1, 2024 - JUNE 30, 2025) OF THE THREE YEAR BUDGET PERIOD BEGINNING JULY 1, 2024

Chair Mark Finkle asked for a motion to adopt the resolution setting the Hudson River area state share for the first year (July 1, 2024 - June 30, 2025) of the three year budget period (July 1, 2024 - June 30, 2027) in the amount of $507,812.00. Mrs. Allen so moved. Mr. Hayes seconded and the Board approved the motion by unanimous vote.

24-33-06 RESOLUTION TO AWARD THE REGULATING DISTRICT'S INSURANCE PROGRAM FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Chair Mark Finkle asked for a motion to adopt the resolution to award the Regulating District's insurance program for policy year July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management. Mr. DeWitt so moved and Mr. Hayes seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-34-06 RESOLUTION TO APPROVE INSURANCE PROPOSAL FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Chair Mark Finkle asked for a motion to adopt the resolution awarding the Regulating District's insurance coverage contract for the period July 1, 2024 through June 30, 2025 to the New York State Office of General Services, Bureau of Risk and Insurance Management for the annual premium amount of $293,118.53. Mr. Reagan so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-35-06 RESOLUTION TO AWARD THE REGULATING DISTRICT'S MARINE INSURANCE PROGRAM AND APPROVE MARINE INSURANCE PROPOSAL FOR POLICY YEAR JULY 1, 2024 THROUGH JUNE 30, 2025

Board Chair Mark Finkle asked for a motion to adopt the resolution to award the Regulating District's Marine Insurance Program for policy year July 1, 2024 through June 30, 2025 to Arthur J. Gallagher and to approve the firm's proposal to furnish marine insurance coverage for that period for an amount not to exceed $6,002.00. Mrs. Allen so moved and Mr. Reagan seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-36-06 RESOLUTION TO AWARD LEASE TO OPERATE STILLWATER HYDROELECTRIC PLANT TO NORTHERN POWER & LIGHT, INC. (CONTRACT L012024R)

Board Chair Mark Finkle called for a motion adopting the resolution conditionally awarding the lease and operation of the State-owned Hydroelectric Plant at Stillwater Reservoir to Northern Power & Light, Inc. and authorizing the Executive Director to form a lease for a portion of the SITE and the Plant for a period of six (6) years, with an option available for an additional twenty (20) year term commencing July 1, 2024 for a Lease Payment of Fifty Thousand Dollars ($50,000) annually, subject to a 3% annual escalator, to be paid in monthly installments; authorizing staff to facilitate transfer of the Power Purchase Agreement and notifying the Commission to the new operator of the exempt facility. Mr. Hayes so moved and Mr. Reagan seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-37-06 RESOLUTION TO AUTHORIZE THE EXPENDITURE OF ADDITIONAL FUNDS TO COMPLETE THE SACANDAGA FIELD OFFICE BOATHOUSE ROOF REPLACEMENT

Board Chair Mark Finkle called for a motion adopting the resolution authorizing the expenditure of an additional $120.00 increasing the contract with Correll Contracting Corp. to a total contract price not-to-exceed $8,870.00. Mr. Hayes so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-38-06 RESOLUTION AUTHORIZING THE EXPENDITURE OF $6,607.80 FOR PURCHASE OF SIX REPLACEMENT SECTIONS OF LOG BOOM FOR STILLWATER DAM

Board Chair Mark Finkle called for a motion adopting the resolution authorizing the expenditure of $6,607.80 for the purchase of six replacement log boom sections from Worthington Waterway Barriers. Mrs. Allen so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-39-06 RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO NEGOTIATE AND ENTER INTO AN AGREEMENT WITH INTERACTIVE MEDIA CONSULTING, LLC

Board Chair Mark Finkle called for a motion adopting the resolution authorizing the Executive Director to enter into an agreement with Interactive Media Consulting, LLC for the period of July 1, 2024 through June 30, 2025 at an amount not-to-exceed $8,624.00. Mr. Hayes so moved and Mr. DeWitt seconded. The Board approved the motion adopting the resolution by unanimous vote.

24-40-06 RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO ENTER INTO AN AMENDMENT TO THE APRIL 2023 AGREEMENT WITH LOGICALNET FOR INFORMATION TECHNOLOGY SERVICES

Board Chair Finkle called for a motion to adopt the resolution authorizing the Executive Director to enter into an amendment extending the April 2023 agreement with LogicalNet for a one-time payment not-to-exceed $41,800.00 and a recurring annual payment of $1,674.00 for additional cost over three years not to exceed $46,822.00. Mrs. Allen so moved. Mr. DeWitt seconded and the Board adopted the motion by unanimous vote.

24-41-06 RESOLUTION SCHEDULING DATE, TIME AND LOCATION OF THE SEPTEMBER 10, 2024 REGULAR BOARD MEETING

Chair Finkle called for a motion to adopt the resolution setting the date, time and location of the regular meeting. Mrs. Allen so moved. Mr. Hayes seconded and the Board adopted the resolution by unanimous vote.

Robert P. Leslie
Secretary

Mark M. Finkle
Board Chairman

TO: Members of the Board

FROM: John C. Callaghan, Executive Director

RE: Report to the Board

DATE: September 10, 2024

Since the June Board Meeting, the Regulating District transmitted twelve (12) weekly operations updates reports to the Executive Chamber and held three (3) check-in calls with Executive Chamber.

During the reporting period, conducted one (1) senior staff meeting and three (3) staff meetings. Worked closely with the permit department to properly address ongoing encroachments and other permit issues.

During the reporting period, worked closely with General Counsel and CFO to finalize and execute agreement with Northern Power & Light to operate the Stillwater Hydroelectric Plant.

Worked closely with all staff to respond to the July 16th tornado and coordinated with county & local governments on cleanup efforts, including coordination with the State Office of Emergency Management and NYS Canal Corporation on equipment made available for the response. In particular I want to commend all SFO-based administrative and operational staff, all of whom contributed in significant and essential ways to this massive effort, which is continuing.

Also continued to work closely with Chief Engineer Rob Foltan and Operations Engineer Mike Mosher on emerging aspects of the Indian Lake Dam rehabilitation project, and helped facilitate discussions between the consultant engineering team and contractor where necessary to move forward on certain elements of the work.

PERMITS DEPARTMENT HIGHLIGHTS

- Processed 16 new permits, erected 11 new permit signs.
- Conducted 21 new permit stakeouts.
- Reviewed, processed & filed 220 work permit applications.
- Processed 17 name change applications, erected 17 name change signs.
- Processed and conducted 4 one-line resurveys and 3 two-line surveys.
- Investigated and followed up on 24 encroachments.
- Erected 3 permit signs for late renewals.
- Performed two property line stakeouts.
- Assisted with tornado response/ cleanup.
- Met with applicants and regulatory agencies on permit applications.
- Inspected remediation sites; other numerous site visits & survey activities as required.
- Research customer complaints/ property boundary issues as required.
- Performed 5000 feet of property line maintenance.
- Determining eligibility for waiting list and administering waiting list.

Other notable items from the reporting period:

- Attended Great Sacandaga Lake Association meetings on 6/20 & 8/16
- Met with Twin Rivers Council to discuss procedures & use of Scout Island on 6/21.
- Hosted Adirondack Explorer for a tour of Indian Lake Dam rehabilitation project on 6/25.
- Attended presentation on Fulton County Discovery Center on 6/25.
- With Chief Engineer, attended regular operations/ coordination call with Brookfield Renewable on 6/26.
- With Chief Engineer & Operations Engineer, participated in bi-weekly Indian Lake Dam rehabilitation calls on 7/3, 7/16, 7/31, 8/14 & 8/28.
- With Chief Engineer, attended regular Conklingville Dam design check-in discussion with OGS & Bergmann/ Colliers on 7/2, 7/16, 7/30, 8/13 & 8/27.
- Met with Arcadis to discuss design of Old Forge & Sixth Lake Dam rehabilitation projects on 8/1.
- Attended Sixth & Seventh Lake Association annual meeting on 8/3.
- Participated in NYS Canal Corporation water management coordination call on 8/7.
- Attended Indian Lake Association annual meeting on 8/10.
- Attended Town of Day Property Owners Association meeting on 8/10.
- Hosted Executive Chamber & DOB personnel for tours of Indian Lake Dam, Sixth Lake Dam, & Old Forge Dam on 8/12.
- With Chairman, conducted outreach visits with GSL marina owners on 8/28.
- Met with U.S. Army Corps of Engineers Albany Field Office personnel on 8/30.
- Met with Sacandaga Protection Committee representatives on 9/4.
- With General Counsel & CFO, participated in meeting with State legislators & Hudson River Area counties on 9/5 to discuss assessments.

Technical Advisor – Mr. Callaghan

RESOLUTION AUTHORIZING THE EXPENDITURE OF UP TO $52,782.71 FOR PURCHASE OF A REPLACEMENT PICKUP TRUCK FOR THE HUDSON RIVER AREA

WHEREAS, the Regulating District's Hudson River Area Permit Department routinely travels to sites around Great Sacandaga Lake to conduct activities consistent with the Regulating District's management of State lands under its jurisdiction; and

WHEREAS, Permit Department staff operate a 2007 Chevrolet 2500 pickup truck, which carries surveying equipment and tools to help maintain the State property boundary line; and

WHEREAS, through regular preventive maintenance, the Regulating District has managed to keep the 2007 Chevrolet 2500 in operating condition; and

WHEREAS, repairs to this 2007 Chevrolet 2500 have increased in cost and frequency in recent years, with even those repairs not being sufficient to ensure an acceptable level of safety for Regulating District employees; and

WHEREAS, having reached nearly 160,000 permit department miles, the 2007 Chevrolet 2500 requires extensive repairs requiring a level of investment which staff does not recommend; and

WHEREAS, the Office of General Services provides for a method of procuring vehicles through New York State contract in compliance with the Regulating District's procurement policy; and

WHEREAS, utilizing the tool provided by the Office of General Services, Matt Ginter has "built" a replacement vehicle with the best quote received from DeNooyer Chevrolet of Albany in the amount of $52,782.71; and

WHEREAS, the replacement of this vehicle is included in the Board's adopted FY 2024-2025 budget;

NOW THEREFORE BE IT RESOLVED, that that the expenditure of up to $52,782.71 is authorized for the purchase of a replacement pickup truck from DeNooyer Chevrolet of Albany through New York State contract for the Hudson River Area; and be it further;

RESOLVED that the 2007 Chevrolet 2500 will be surplused for its scrap value through New York State Office of General Services in accordance with the Regulating District's guidelines for disposal of property.

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs. _____ that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____
Mr. Bird……..	____	_____	_____
Mr. Candido……	____	_____	_____
Mr. Reagan……..	____	_____	_____
Ms. Allen..……..	____	_____	_____

Technical Advisor – Mr. Callaghan

RESOLUTION AUTHORIZING THE EXPENDITURE OF UP TO $59,710.08 FOR PURCHASE OF A REPLACEMENT PICKUP TRUCK FOR THE BLACK RIVER AREA

WHEREAS, staff based at the Regulating District's Black River Field Office (BRFO) at Stillwater Reservoir utilizes vehicles to support maintenance and operations activities in the Black River Area (BRA), including transporting of materials and equipment, and snow plowing during the winter months; and

WHEREAS, BRFO staff operate a 2004 Ford F550 pickup truck, which has been subjected to rigorous use in recent years in conjunction with these activities; and

WHEREAS, through regular preventive maintenance, and outside repairs, the Regulating District has managed to keep the 2004 Ford F550 in operating condition; and

WHEREAS, repairs to this 2004 Ford F550 have increased in cost and frequency in recent years, with even those repairs not being sufficient to ensure an acceptable level of safety for Regulating District employees; and

WHEREAS, the Office of General Services provides for a method of procuring vehicles through New York State contract in compliance with the Regulating District's procurement policy; and

WHEREAS, utilizing the tool provided by the Office of General Services, BRA Superintendent Mike Dicob has received a low quote for an available Dodge Ram 3500 Tradesman Crew Cab 4x4 in the amount of $59,710.08 from Joe Cecconi's Chrysler Complex; and

WHEREAS, the replacement of this vehicle is included in the Board's adopted FY 2024-2025 budget;

NOW THEREFORE BE IT RESOLVED, that that the expenditure of up to $59,710.08 is authorized for the purchase of a replacement pickup truck for the Black River Area from Joe Cecconi's Chrysler Complex through New York State contract; and be it further

RESOLVED that the 2004 Ford F550 will be surplused for its scrap value through New York State Office of General Services in accordance with the Regulating District's guidelines for disposal of property.

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs._____that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____
Mr. Bird……..	____	_____	_____
Mr. Candido……	____	_____	_____
Mr. Reagan……..	____	_____	_____
Ms. Allen..……..	____	_____	_____

Technical Advisor – Mr. Callaghan

RESOLUTION AUTHORIZING THE EXPENDITURE OF UP TO $77,855.66 FOR PURCHASE OF A MINI TRACK LOADER IN THE HUDSON RIVER AREA

WHEREAS, the Regulating District's operations and maintenance staff routinely utilizes equipment in conjunction with management of State lands under its jurisdiction, including erosion control activities; and

WHEREAS, operations and maintenance staff in the Hudson River Area operate a 2007 T320 Bobcat compact track loader (CTL) in conjunction with these activities; and

WHEREAS, through regular preventive maintenance, and outsourced repairs, the Regulating District has managed to keep the T320 Bobcat CTL in operating condition; and

WHEREAS, the T320 Bobcat CTL has experienced malfunctioning associated with age and wear and tear, including shutting down with the bucket in raised position, blocking the operator from existing the operator's cab; and

WHEREAS, a reliable CTL is integral to the success of our operations and maintenance staff; and

WHEREAS, the Office of General Services provides for a method of procuring vehicles and equipment through New York State contract in compliance with the Regulating District's procurement policy; and

WHEREAS, utilizing the tool provided by the Office of General Services, staff has identified best quote for a 2024 Kubota S Series CTL at a cost of $77,855.66 from Randall Implement Co., Inc. of Fultonville; and

WHEREAS, the purchase of a mini track loader is included in the Board's adopted FY 2024-2025 budget;

NOW THEREFORE BE IT RESOLVED, that that the expenditure of up to $77,855.66 is authorized for the purchase of a compact tracker loader from Randall Implement Co., Inc. through New York State contract for the Hudson River Area.

BE IT FURTHER RESOLVED, that the Board does hereby authorize the following transfer in the Fiscal Year 2024-25 budget:

Account Number	Account Name	Increase	Decrease
5230-0200	Other Equipment	2,856	
5770-0200	Contingencies		2,856

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs. _____ that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____
Mr. Bird……..	____	_____	_____
Mr. Candido……	____	_____	_____
Mr. Reagan……..	____	_____	_____
Ms. Allen..……..	____	_____	_____

Technical Advisor – Mr. Callaghan

RESOLUTION AUTHORIZING THE EXPENDITURE OF $14,900 FOR MAIN DOORWAY REPLACEMENT AT SACANDAGA FIELD OFFICE MAIN ENTRANCE

WHEREAS, the Hudson River – Black River Regulating District routinely engages with members of the Public at its Sacandaga Field Office (SFO); and

WHEREAS, the safety of the public and Regulating District employees at Regulating District facilities is paramount; and

WHEREAS, at its June, 2023 regular meeting, the Board authorized up to $7,200 for the replacement of the sidewalk at the main (public) entrance to SFO; and

WHEREAS, both the safety and the overall experience of visitors to the SFO can be further enhanced by replacement of the doorway and threshold, incorporating an ADA-compliant threshold; and

WHEREAS, the new doorway will also incorporate an electronic entry system, further contributing to the overall security of the facility; and

WHEREAS, staff solicited quotes from four firms, including Allerdice Glass, Able Glass & Door, The Glass Guru and Austin Glass Shop for the new main doorway at SFO, resulting in a sole proposal of $14,900 installed from Austin Glass Shop of Gloversville;

NOW, THEREFORE, BE IT RESOLVED, that the expenditure of $14,900 to Austin Glass Shop is authorized for replacement of the main entrance doorway at SFO.

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs._____that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____

Mr. Bird……..	____	_____	_____
Mr. Candido……	____	_____	_____
Mr. Reagan……..	____	_____	_____
Ms. Allen..……..	____	_____	_____

Austin's Glass Shop
415 SOUTH MAIN ST.
GLOVERSVILLE, NY 12078
(518)725-4123 /518- 725-8749 (FAX)

Estimate
DATE: 08/26/2024
Estimate # 3900

Hudson River
737 Bunker Hill Rd
Mayfield, NY 12117

ITEM #	DESCRIPTION	TOTAL
3900	REMOVE OLD AND INSTALL NEW CUSTOM BRONZE COMMERCIAL LEFT HAND DOOR WITH SIDELITE, DOOR CLOSER, INSULATED UNIT, KEYPAD WITH ELECTRIC STRIKE,INCLUDES GLASS, ANY HARDWARE / MATERIALS AND LABOR, LOCKSMITH AND ELECTRICIAN.	$14,900 Tax -EX **TOTAL: $14,900.00**
**	Thank you for allowing us to quote this work. Please call us if you have any questions. If you wish to continue with this please sign your acceptance & approval at the bottom of this estimate and fax it to 518-725-8749.	
**	**WE REQUIRE A 50% DEPOSIT ($9,950.00 DOWN TO COVER OUR 50% AND THE LOCKSMITH AND ELECTRICIAN)**	DEPOSIT: $9,950.00
	Quotes expire in thirty (30) days from date	
	If you approve the estimate described above, please sign where indicated, date, & print name under signature. If a PO # is required please provide that number below. Mail, or fax signed document to 518-725-8749, or e-mail to: **austinsglassshop@gmail.com** Thank You X _____ /Date _____. Printed Name_____ PO# ____.	

Technical Advisor – Mr. Callaghan

RESOLUTION AUTHORIZING THE EXPENDITURE OF $20,377.60 FOR MATERIALS TO EFFECT REPAIRS TO SACANDAGA FIELD OFFICE PORCHES

WHEREAS, from time to time repairs and improvements to the Sacandaga Field Office (SFO) have been necessary to provide a safe and efficient working environment for staff assigned there; and

WHEREAS, the porches on the lake side of the building have experienced structural deterioration over the last three decades, including to its support columns and decking; and

WHEREAS, staff have identified an appropriate scope of repairs to the porches including replacement of decking, support columns, and railings; and

WHEREAS, staff has met on site with several firms to provide quotes on materials to complete the work, which will be undertaken in-house utilizing SFO personnel; and

WHEREAS, in reviewing three quotes from Builders First Source, Curtis Lumber Co., and Kingsboro Lumber Co., staff recommends the low quote from Kingsboro Lumber Co. of Gloversville in the amount of $20,377.60 for these materials as representing best value;

NOW THEREFORE BE IT RESOLVED, that the Board of the Hudson River-Black River Regulating District authorizes the expenditure of up to $20,377.60 to Kingsboro Lumber Co. for materials for porch repairs at SFO.

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs._____that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____
Mr. Bird……..	____	_____	_____

Mr. Candido…… ____ _____ _____

Mr. Reagan…….. ____ _____ _____

Ms. Allen..…….. ____ _____ _____

Technical Advisor – Mr. Callaghan

RESOLUTION AUTHORIZING THE EXPENDITURE OF $12,040 FOR RENTAL EQUIPMENT USED IN RESPONSE TO TORNADO DAMAGE

WHEREAS, the Regulating District has been engaged in cleanup activities on State lands under its jurisdiction along the shoreline of Great Sacandaga Lake from a tornado that struck the area on July 16, 2024, as well as additional damage associated with the remnants of Tropical Storm Debby last week; and

WHEREAS, these efforts have expanded to include additional damage associated with the remnants of Tropical Storm Debby August 9-10, 2024; and

WHEREAS, the Town of Edinburg has made property under its jurisdiction available for the disposal of large stumps and root balls, in conjunction with Saratoga County, which plans to rent a tub grinder to process those materials; and

WHEREAS, Regulating District has been transporting trees and other woody debris to a laydown area at the Conklingville Dam, for eventual competitive auction; and

WHEREAS, having limited equipment suitable for this work in its own inventory, the Regulating District has utilized equipment graciously loaned by the NYS Canal Corporation, the Town of Edinburg, and the Village of Northville; and

WHEREAS, to supplement equipment still on to the Regulating District, staff identified a New York State OGS State Contract provider, Herc Rentals, able to provide an excavator and compact track loader (CTL) for short term rental; and

WHEREAS, Herc Rentals quoted a one-month rental price of $2,863 for a CTL and a one-month rental price of $4,996 for a standard-reach excavator (delivered), as well as a two-week extension of the CTL rental for $2,512, applicable protection plans for both items totaling $1,149 and other insurance costs of $520, resulting in a total of $12,040; and

WHEREAS, the Regulating District exhausted all options for securing this additional equipment from other New York State agencies through the Office of Emergency Management;

NOW THEREFORE BE IT RESOLVED, that the Board authorizes the payment of up to $11,520 to Herc Rentals for the rental of a standard-reach excavator and CTL utilized in storm recovery and cleanup and payment of $520 in other insurance costs;

BE IT FURTHER RESOLVED, that the Board does hereby authorize the following transfer in the Fiscal Year 2024-25 budget:

Account Number	Account Name	Increase	Decrease
5830-0200	Equipment Rental	12,040	
5770-0200	Contingencies		12,040

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs._____that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____
Mr. Bird……..	____	_____	_____
Mr. Candido……	____	_____	_____
Mr. Reagan……..	____	_____	_____
Ms. Allen..……..	____	_____	_____

MEMORANDUM

To: Board

From: Robert S. Foltan, P.E.

CC: file

Date: 08/28/2024 (for September 10, 2024 Board Meeting)

Re: Stillwater Dam Ninth Part 12D
Independent Consultant Safety Inspection and Comprehensive Assessment

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The Federal Energy Regulatory Commission (FERC) requires an Independent Consultant Safety Inspection of Stillwater Dam, and submission of an Independent Consultant inspection report (Part 12D Report), every five years. The 9th Part 12D Independent Consultant Safety Inspection for the Stillwater Reservoir Project (FERC No. P-6743) must be completed by March 1, 2026.

Recent changes to the Federal Power Act, specifically FERC's dam safety inspection program (the Part 12D Program) establish a more thorough safety review process. The previous Part 12D Program required a single independent consultant to evaluate the safety of a dam. Current regulations require a multi-disciplinary team of engineers (Independent Consultant Team) to complete a Comprehensive Assessment of a dam every ten years. A Comprehensive Assessment includes a full Potential Failure Modes Analysis, a Level 2 Risk Analysis, and a Field Inspection. Previously, the inspection and report submission were completed in approximately 3 to 6 months. The Comprehensive Assessment-based safety program requires development of a Part 12D Inspection Plan, selection and approval of the Independent Consultant Team, development of a Pre-Inspection Preparation Report, in-field Safety Inspection, Potential Failure Modes Analysis, Risk Analysis, and a Comprehensive Assessment Report. The 9th Part 12D Report for the Stillwater Reservoir Project (FERC No. P-6743) must meet the Comprehensive Assessment-based safety program requirements.

Staff have evaluated the most highly qualified firms, which submitted Annual Statement of Qualifications, based upon corporate and personnel experience demonstrated by the professional firms as it pertains to our project needs and services required. Specifically, Annual Statement of Qualifications have been reviewed for experience completing Federal Energy Regulatory Commission Part 12D Safety Inspections and Comprehensive Assessments.

The evaluation team comprised Robert Foltan and Michael Mosher. Each team member evaluated the Annual Statement of Qualifications of the firms. Each team member evaluated each firm according to the evaluation system defined in the Regulating District's Annual Statement of Qualifications – Project Based Evaluation procedures. The evaluation included a review of firm experience and personnel experience completing FERC Part 12D Independent Consultant Safety Inspections and Comprehensive Assessments. The evaluation team determined that Henningson, Durham & Richardson Architecture and Engineering, P.C., Inc. (HDR) is the highest qualified firm to complete the work for the project. As such, HDR was asked to submit a proposal to complete the work.

Scope of Work and Fee Proposal

HDR proposes to use Brian Chrisman, P.E. as the Independent Consultant. Mr. Chrisman has over 20 years of dam safety and geotechnical engineering experience and has previously been approved by the Federal Energy Regulatory Commission (FERC) to conduct Part 12 Independent Consultant Safety Inspections. HDR's proposal and scope of services (attached) appears to fully encompass the effort needed to meet the expectations of the FERC and to produce a Comprehensive Assessment Report. HDR proposes to complete the work for a not-to-exceed fee of $ 379,500.

Regulating District staff recommends acceptance of Henningson, Durham & Richardson Architecture and Engineering, P.C., Inc. proposal to complete the 9th Part 12D Independent Consultant Safety Inspection of the Stillwater Dam and seeks Board authorization to form a contract for the completion of the work, and authorization for the Executive Director to execute an agreement for an amount not-to-exceed $379,500.

August 29, 2024

Robert S. Foltan, PE
Chief Engineer
Hudson River-Black River Regulating District
54 State Street, Suite 501
Albany, NY 12207

Via Email: *rfoltan@hrbrrd.ny.gov*

Subject: **Stillwater Project (FERC No. P-6743-NY)**
9th FERC Part 12D Comprehensive Assessment

Dear Mr. Foltan:

HDR is proud to have worked with the Hudson River-Black River Regulating District (District) on its dam facilities over the last 17 years; and we are excited to continue and expand our relationship by assisting the District with successful completion of the Federal Energy Regulatory Commission Comprehensive Assessment for the District's Stillwater Project.

It is essential to select a consultant with the expertise and experience to support the District through the new Comprehensive Assessment process. HDR has been monitoring the evolution of the Comprehensive Assessment guidelines and ramping up our internal training and bench strength in anticipation of the first round of Comprehensive Assessments. HDR performed FERC's first Comprehensive Assessment in 2022 for Seattle Public Utilities' South Fork Tolt River Project.

Our proposal is focused on demonstrating how the HDR team will provide the following benefits to the District:

- Expertise and personnel required for execution of the Comprehensive Assessment.
- Complete technical independence.
- Leveraging local and national expertise to provide a fully qualified team to assure an efficient process.
- Share the District's culture of promoting dam safety.

We are excited to offer an efficient, responsive, and experienced team to support the District through this new process. If you have questions about our proposal, please contact Justin Niedzialek at (315) 414-2218 or Justin.Niedzialek@hdrinc.com.

Sincerely,
Henningson, Durham & Richardson Architecture and Engineering, P.C.

David W. Culligan, PE (NY)
Authorized Representative

cc: Justin Niedzialek, PhD, PE (HDR)

Project Understanding

HDR understands that dam safety is paramount to the District and that efficient compliance with the Federal Energy Regulatory Commission's (FERC) regulations is one element to maintaining a dam portfolio that the District can continue to be proud of and rely upon for decades to come. FERC's Part 12 regulations have evolved with time, but the 2017 Oroville Dam incident served as the catalyst for substantial updates defined in FERC Order 880 issued December 2021. The result is new requirements to perform rigorous Comprehensive Assessments (CA) at ten-year intervals including a Level 2 Risk Assessment (L2RA). These requirements are documented in the recently issued Chapters 16, 17, and 18 of the *FERC Engineering Guidelines for the Evaluation of Hydropower Projects (FERC Engineering Guidelines)*. Primary modifications to the former Part 12 process include the addition of a L2RA and the requirement that the process be led by persons with no history of analysis or design of the given facility. HDR is proposing a well-qualified team without any conflict of interest concerns.

Project Approach

HDR's approach to the project is relatively simple and is summarized by the following points:

1. **Understand the Process.** HDR's dam safety engineers have been tracking the progression of the FERC's CA process and have been advising licensees across the country on its implications and strategies for efficient execution. HDR provided input to clients as they were providing comments via the National Hydropower Association (NHA) and the CEATI Dam Safety Interest Group. In addition, we performed FERC's first CA in 2022 for Seattle Public Utilities' South Fork Tolt River Project and are currently supporting the District with their first CA for the Great Sacandaga Lake Project. Our experience performing these, and several other CAs, and feedback from the FERC have been incorporated into our Stillwater proposal.
2. **Plan the Process.** HDR understands the importance of creating a clear and comprehensive plan of execution that will satisfy the FERC's New York Regional Office while staying within an efficient budget. Our engineers will take a pragmatic approach to developing the CA plan and facilitating frank and open discussions with the District and the FERC to gain its approval. The CA process is new ground for the FERC too, and it is in their interest to make the first round of CAs go smoothly to pave the way for future efforts.
3. **Execute the Plan.** As indicated earlier, HDR's in-house team draws upon both local and national expertise. We will leverage and apply our risk analysis and Potential Failure Mode Analysis (PFMA), experience and lessons learned with other entities (e.g., U.S. Army Corps of Engineers (USACE), Bureau of Reclamation (Reclamation), National Park Service, TVA, Duke Energy, Seattle City Light, California Department of Water Resources and several state dam safety agencies to the Stillwater Project CA. For example, our proposed L2RA/PFMA co-Facilitator, Dan Osmun, is a recognized expert in risk assessments including time helping develop the process with Reclamation who set the standards that were largely adopted by FERC.
4. **Project Context.** HDR is ready to hit the ground running on the Stillwater CA. HDR is familiar with the site having served as the past Part 12 Independent Consultant (prior to the new CA process). HDR also developed new HEC-RAS and HEC-HMS models for the updated Dam Failure and Probable Maximum Flood for the Stillwater Projects respectively. Furthermore, we have established an excellent working relationship with the District supporting Part 12s and PFMAs at Stillwater, Conklingville, and other sites.

Scope of Services

HDR's scope of services will include the following activities.

Task 1.0 – Data Review

Obtain and review the most recent Part 12 Reports, Supporting Technical Information Documents (STID), Dam Safety Surveillance and Monitoring Report (DSSMR), FERC communications, and supporting information provided by the District. The District will be responsible for providing supporting documents as electronic (e.g., PDF, Excel, MS Word) files for use in data review and preparation of the Pre-Inspection Preparation Report (PIPR). Such information will include:

- Potential Failure Modes Analysis for the project/development;
- Flood hydrology data (Probable Maximum Flood, Inflow Design Flood, etc.);
- Stability analysis and supporting data;
- Project geology and seismicity (regional and site specific);
- Dam Safety Surveillance and Monitoring Plan and Report (DSSMP and DSSMR),
- Surveillance data (piezometric data, movement and settlement surveys, leakage, etc.);
- Dam break studies;
- Photos and Drawings;
- Construction and rehabilitation reports;
- Operational data; and
- Prior Part 12 Five-Year Safety Reports and other available inspection reports.

Task 2.0 – Inspection Plan

Prepare a draft Part 12D Inspection Plan meeting the requirements of Chapter 16 of the *FERC Engineering Guidelines* and provide the draft plan to the District for review. HDR will incorporate the District's review comments and provide a final plan for submittal to the FERC for approval. In preparing the Plan, HDR will take into consideration FERC review comments on prior Plan submittals, particularly with respect to the make-up of the inspection team, which individuals participate in the site visit and in-person at the PFMA/L2RA, and the level of detail provided in resumes for the subject matter experts participating in the L2RA.

The Plan will be organized in accordance with the outline provided in the *FERC Engineering Guidelines*, Chapter 16, Appendix 16-A and will include:

1. Project information
   - Name, FERC Project Number, and location
   - The type of inspection being performed
   - Features to be inspected, including gates to be tested
   - Special access provisions or safety equipment required, including the means proposed for performing a reservoir inspection
2. Independent Consultant Technical Team Proposal and Qualifications
   - Technical disciplines and expertise required
   - Independent Consultant team and PFMA/L2RA facilitator

3. Schedule including dates for the following activities/deliverables
    - Submittal of the Pre-Inspection Preparation Report (PIPR)
    - Field inspection
    - PFMA
    - L2RA
    - Submittal of the Comprehensive Assessment Report (CAR)
    - CAR review meeting
4. Attachments
    - Resumes
    - Additional supporting information, if needed

HDR will assist the District in preparing for and responding to the FERC comments on the draft plan. HDR will participate in the second coordination call with the FERC and document the call with meeting notes. HDR will then make agreed upon revisions to the draft plan and submit to the District. The District will then submit the final inspection plan to the FERC.

Task 3.0 – Pre-Inspection Preparation Report

Development of the Pre-Inspection Preparation Report (PIPR) will provide HDR the necessary understanding of the technical background and features of the Stillwater Project to complete Tasks 4 through 6. The PIPR will summarize our review of the Stillwater safety-related documentation and demonstrate our understanding of the dam and its risk drivers.

3.1 Document Review

HDR's data review in Task 1.0 will be focused on establishing the baseline of information required for the L2RA analysis as well as the required sections of the PIPR/CA report. Each dam is unique, but the FERC has established a generalized list of the types of information required for completing the PIPR/CA and associated evaluation tasks.

Information provided by Owner:

- Design/Planning Reports and field-testing data
- Construction documents
- FERC construction inspection reports
- Field survey data/reports
- Surface water/meteorologic gages
- Hydrologic studies, flood routings and hazard/consequence analyses
- Operational records and known issues
- Seismic loading parameters and records
- Emergency Action Plan
- Dam safety-oriented engineering analysis
- Monitoring and instrumentation data (DSSMR)
- Spillway gate detailed inspection
- Underwater inspection reports
- Incident reports

Before starting the document review, HDR will coordinate the review plan with the District.

3.2 Second FERC Coordination Call

HDR will assist the District in preparing for and participating in the second coordination call with the FERC. This call will be used to discuss FERC comments on the Part 12D Inspection Plan, review the inspection team requirements, discuss the documentation review and PIPR, as well as coordinate the upcoming field inspection and PFMA/L2RA workshop(s). HDR will demonstrate to the FERC that the team is qualified, coordinated, prepared, and advancing the necessary tasks. This call will also be used to hear and discuss the FERC's expectations for upcoming tasks and submittals.

3.3 PIPR Report Preparation

HDR will prepare the PIPR in accordance with the guidelines described in Chapter 16, Section 6-4 of the *FERC Engineering Guidelines.* and per the outline provided by the FERC in its June 17, 2024, reminder letter to the District. The PIPR will use the full outline of the Comprehensive Assessment Report (CAR) and sections will be completed that are relevant to the data review, with the remaining sections containing a placeholder note stating they will be completed during preparation of the CAR. The PIPR will document the initial findings of the review of existing information and demonstrate that the Independent Consultant (IC) team is adequately prepared for the next steps. Initial findings presented in the PIPR will be considered preliminary and will be revisited in the CAR.

A transmittal letter for the PIPR will also be prepared and include a summary of the Independent Consultant team, the participation/roles of team members, and the inspection and L2RA schedule to allow the FERC the required time to schedule their staff attendance.

Assumptions

- The District will coordinate and provide the inspection logistics
- The District will provide background and technical information as noted above
- The District will organize and facilitate the FERC coordination call

Deliverables

- Inspection plan review comments
- Coordination call meeting notes
- PIPR

Task 4.0 – Field Inspection

The field inspection will follow the FERC-accepted plan developed as part of Task 2.0 and include modifications discussed during the Second FERC Coordination Call. HDR understands the Project structures can be inspected in one day. HDR proposes an inspection team consisting of the co-Independent Consultants, who will also serve as the Geotechnical SME and the Hydrology and Hydraulics SME, the PFMA/L2RA Facilitator, and the Structural SME. Other participants would include the District's dam safety and operation/maintenance staff and the FERC.

Physically accessible project features will be inspected and observed by the field team for evaluation. Site features anticipated for inspection include:

- Stillwater – North Embankment Dam
- Stillwater Spillway and Non-Overflow Section
- Stillwater – South Embankment Dam
- Auxiliary Spillway and Embankment
- Powerhouse

- Intake/Tailrace Tunnel
- Other areas of interest identified as part of HDR's data review.

HDR will carry knowledge from our review of background data into the field inspection and use the observations from this task to inform our understanding of the condition, purpose, and anticipated performance of the major features of the Stillwater Project. We will review instrumentation and surveillance data and, based on the inspection, provide an interpretation of the data in the field inspection section of the CAR report.

HDR will document the inspection through photographs, checklists, field observation notes, measurements, and discussion records. Inspection observations and findings will be documented as part of Section 6 of the CAR developed under Task 6.0.

Assumptions

- The District will provide safe access to the Stillwater Project and surrounding areas.
- HDR's facility inspection will require no special training or safety apparatus.

Deliverables

- Inspection documentation and supporting materials (included in CAR)

Task 5.0 – PFMA/L2RA Workshop

5.1 PFMA/L2RA Preparation

Effective facilitation requires allowing adequate discussion to fully develop each Potential Failure Mode (PFM) and evaluate risk coupled with knowing how and when to lead discussion to the next topic so that the workshop agenda can be covered and finished on time. Dan Osmun, HDR's proposed PFMA/L2RA co-Facilitator, has extensive PFMA and L2RA facilitation experience, technical knowledge, FERC-required training, and demeanor for this role, including facilitation on Seattle Public Utilities' Tolt Project, FERC's first CA. His co-Facilitator, Jennifer Gagnon, is an approved FERC part 12 IC and is serving in the role of co-Facilitator for several CAs.

Brian Chrisman, HDR's proposed co-IC, has extensive embankment dam expertise and has completed USACE training for risk including internal erosion potential failure modes. In addition, Brian has extensive concrete and embankment dam expertise, including gravity structure stability analyses, internal erosion, and liquefaction evaluations. Justin Niedzialek will be serving as co-IC, and has significant engineering experience supporting dams and water retaining structures. HDR has assumed that the geotechnical, structural, and hydraulics & hydrology SMEs will attend the PFMA workshop in person and has budgeted for the same individuals to attend the L2RA. HDR notes that it may be possible to conduct the L2RA virtually or via a combination of in-person and virtual attendance. The Project Team section of this proposal identifies support staff, including our proposed mechanical, geology, and consequences leads, who we believe can adequately support the PFMA and L2RA through virtual participation on an as-needed basis. We have not budged for these individuals to attend in person.

Preparation is key to holding a successful workshop and this task will include the following:

a. *Background documentation* – assemble relevant background information and provide PFMA/L2RA participants with assignments to review specific documents/findings in advance of the PFMA/L2RA.
b. *Loading and Consequences Assessments* – HDR will develop a hydrologic hazard curve (HHC) based on historical data provided by the District and the United States Geological

Survey (USGS) using USACE Risk Management Center (RMC) software. The HHC will illustrate peak flow, volume, and stage versus annual exceedance probability up to the Probable Maximum Flood. The HHC will be developed in general accordance with Chapter 18 of FERC's Engineering Guidelines and the Best Practices in Dam and Levee Safety Risk Analysis Chapter B-1 Hydrologic Hazard Analysis (BOR/USACE, 2019).

c. HDR proposes to develop a seismic hazard curve (peak ground acceleration vs. return period) using the USGS's probabilistic seismic hazard tool. Although unlikely, if the FERC requires a more rigorous approach, such as a full probabilistic seismic hazard assessment, such a request would be considered out of scope and would be the subject of an addendum.
d. Information on downstream dam breach consequences such as sunny day and IDF incremental inundation areas, flood wave travel times, and flood stage elevations that have been developed by the District and their consultants will be used to support the L2RA. HDR is prepared to estimate potential life loss due to incremental flooding using the USBR's empirical Reclamation Consequences Estimating Methodology (RCEM) for correlation with PFMs for consequence estimation and portrayal on a semi-quantitative risk matrix. HDR anticipates use of the RCEM will be acceptable because of the relatively low downstream population density and relatively extensive road network providing multiple egress routes away from potential inundation areas. If the FERC requires development of life lost estimates using a simulation method, HDR will discuss with the District estimation using the USACE LifeSim method as an additional effort in advance of the PFMA/L2RA workshop.
e. *Background presentations* – Subject matter experts (SME) will be engaged to prepare presentations that will support the PFMA/L2RA, align participants with a common understanding, and provide a quick summary reference during PFM development and risk assessment. The SMEs and support staff will prepare presentations about their areas of expertise and present the information at the beginning of the PFMA workshop. Preparation of these presentations also provides an opportunity to streamline report writing because they function as an outline of specific sections of the CAR report. The presentations are assumed as:
    i. Dam background including construction and rehab projects
    ii. Reference material findings
    iii. Geological setting and geotechnical findings
    iv. Hydrology/Hydraulics and breach consequence analyses
    v. Seismic hazard assessment
    vi. Operations, maintenance, and future plans
    vii. Information developed since the previous Part 12
f. HDR will develop a PFM Template for use in the PFMA/L2RA sessions following the FERC template that includes loading conditions, description, supporting information, performance monitoring information, event tree and influence factors, failure likelihood summary, areas of uncertainty, consequences summary (life safety and other), and preliminary risk-reduction measures.

5.2 PFMA/L2RA Workshop

The PFMA workshop will be held directly following the field inspection. We anticipate that the field inspection will be held on a Monday and the PFMA workshop will be held Tuesday through Thursday. If the PFMA workshop ends early, we will use the remaining available time to begin screening and prioritization of the PFMs in preparation for the L2RA workshop. We will use Friday of that week to complete the PFM screening and begin the L2RA.

Based on our experience with other L2RAs, HDR believes there is value in scheduling a break between the PFMA and the remainder of the L2RA workshop. Where feasible, this break will be used to develop/obtain information needed to address information gaps identified by the PFMA prior to continuing the L2RA. Based on our experience to date with L2RAs, we believe the risk assessment can be completed in three to five days. A preliminary agenda and schedule for the PFMA and L2RA workshops is included in Table 1.

TABLE 1 PFMA/L2RA Preliminary Workshop Agenda and Schedule

PFMA/L2RA Workshop Agenda	
Week 1	
Day 1	Field Inspection
Day 2	SME Presentations Begin PFM Brainstorming as Time Allows
Day 3	Finish PFM Brainstorming PFM Development
Day 4	Finish PFM Development PFM Screening As Time Allows
Day 5	Finalize PFM Screening L2RA of Credible PFMs as time allows
Week 2	
Day 1	Finalize L2RA of Credible PFMs
Day 2 - 5	Complete L2RA

We propose that our mechanical engineering, geology, and consequences staff participate virtually in the PFMA and L2RA as needed. We have taken this approach on prior risk assessments and found it to be feasible. Virtual attendees will be available for the technical presentations on Day 2 of the first week and will be on-call throughout the duration of the PFMA and L2RA workshops.

TABLE 2 Proposed Stillwater Project, PFMA/L2RA Workshop Attendees

PFMA/L2RA Workshop Attendees	
In Person	**Virtual**
Brian Chrisman, co-IC/Geotechnical SME Justin Niedzialek, co-IC/H&H SME Dan Osmun, PFMA/L2RA Co-Facilitator Jennifer Gagnon, PFMW/L2RA Co-Facilitator Nick Dempsey, Structural SME Anthony Arce, Note Taker	Trace West, Mechanical SME Michael Buga, Geology SME Katherine Caley, Consequences SME

The PFMA/L2RA process will follow Chapters 17 and 18 of the *FERC Engineering Guidelines*. PFMs will be brainstormed and developed in a structured manner stepping through the various features of the dam (including combined features) and their potential loading conditions. Then PFMs will be screened for non-credible, negligible risk, or potential to combine into a single PFM, and credible PFMs carried forward. Credible PFMs will be evaluated through a Level 2 Risk Analysis to assign likelihood and consequence

categories to PFMs based on available data and available consequence estimates. Credible PFMs will be plotted on a risk matrix and compared relative to one another for potential adjustments. HDR team members that will provide risk estimates will have met the FERC-recommended standards for experience and training prior to the PFMA/L2RA workshop.

A single report documenting the PFMA/L2RA workshop will be developed and will include the background presentations, PFM templates (including relevant background information), risk matrices, and general workshop notes. The report will follow the outline provided in Chapter 18, Appendix 18-B of the *FERC Engineering Guidelines*.

Assumptions

- The District will provide physical meeting space and virtual meeting facilities.
- The District will provide existing background and technical information.
- HDR's budget assumes in-person attendance of the six staff members identified in Table 2 at the PFMA. Other support staff will participate virtually as needed. All staff will participate virtually the second week for the L2RA.
- The site visit, PFMA and L2RA are assumed to occur over a period of two weeks with a break between the PFMA and L2RA and are estimated to require a maximum of 10 days plus travel time.

Deliverables

- PFMA/L2RA detailed agenda and plan.
- Level 2 Risk Analysis (L2RA) Report in MS Word and PDF formats.

Task 6.0 – Comprehensive Assessment Report

6.1 CAR Preparation

HDR will document its Comprehensive Assessment in a CAR prepared in accordance with Chapter 16 of the *FERC Engineering Guidelines* per the outline provided by the FERC in its 2023 letter to the District. A draft CAR will be provided to the District for validation of technical information presented. HDR will then prepare the final CAR for electronic submittal to the FERC, incorporating comments and feedback from the District's review of the draft.

6.2 CAR Presentation

HDR will prepare a PowerPoint presentation that presents the salient discussions and conclusions of the CAR and facilitate a virtual review meeting with the District and the FERC as required by Chapter 16.

6.3 Plan and Schedule to Address Independent Consultant Team Recommendations

This subtask will be completed by the District. HDR will be available to respond to questions and provide additional background information related to the Independent Consultant recommendations.

Deliverables

- Draft and final CAR in MS Word and PDF formats.
- Three bound copies of the final report and electronic versions on a flash drive or file sharing site.
- CAR presentation.
- Review meeting notes.

Schedule

The tasks described in this proposal will be completed in general accordance with the following schedule. The schedule assumes Purchase Order issuance in November 2024.

TABLE 3 Proposed Milestone Schedule for the Stillwater CA

Project Activities	Estimated Completion Date
Board Conditionally Awards Work	September 10, 2024
Contract Execution	October 10, 2024
AG Contract Approval	November 1, 2024
Notice to Proceed	November 15, 2024
Initial Coordination Call	D2SI and District Staff
Inspection Plan	January 30, 2025
Second Coordination Call	TBD by District/FERC
PIPR	July 2025
Part 12 Field Inspection, PFMA/L2RA Session	August 2025
Submit Draft Part 12, PFMA, and L2RA Report to the District	December 26, 2025
Preparation of Final Reports and Submittal to the District	February 20, 2026
Final Report Submittal to the FERC	March 1, 2026
CA Review Meeting	April 2026

Experience on Similar Projects

HDR has conducted hundreds of dam safety inspections throughout both the U.S. and internationally. Our dam safety engineers are thoroughly familiar with the requirements of the F*ERC Engineering Guidelines for the Evaluation of Hydropower Projects* as well as all aspects of the FERC's dam safety, dam security, and public safety programs. Our dam safety professionals have participated in numerous projects that included a PFMA, fulfilling roles such as the FERC-approved Independent Consultant, PFMA session Facilitator, Owner's Engineer, and Core Team member. Furthermore, HDR is an industry leader in conducting risk analyses that follow the SQRA analysis method documented in Chapter A-4, *Semi-Quantitative Risk Analysis of the Best Practices in Dam and Levee Risk Analysis* (USBR/USACE, 2019) and will apply this expertise to the Part 12D L2RA process.

The HDR team has been providing exceptional dam safety services to Seattle City Light (SCL) for several years in various areas including several Part 12 assessments, inspections, engineering analyses, design works and risk analyses. The team successfully assisted SCL with transitioning to a risk informed dam safety program by completing several Level 2 Risk Analysis (L2RA), a comprehensive assessment (CA) Part 12, and integrating the results into a portfolio risk analysis which has been very impactful for SCL to make a successful business case for investment and prioritize and manage dam safety activities, financial and human resources. HDR team's depth and breadth of technical and regulatory knowledge, decades of experience in the dam safety industry and risk analysis, practicality and professionalism have provided them with unique abilities to handle challenging and complex assignments supporting dam owners such as SCL. The services provided by HDR team have been high quality, meaningful and practical while keeping the interest of SCL in mind and delivered within schedule and budget.

ALI FIROOZFAR, PHD, PE
SEATTLE CITY LIGHT

The HDR project team is fully prepared to lead the new FERC CA process. Our team has RIDM and L2RA experience that predates the new FERC regulations but is consistent with the Federal guidance that the FERC process is derived from. Our dam safety staff has and is actively participating in FERC, USACE, Reclamation, and USSD-led training. We have been organized as a working group sharing experiences and working to identify efficiencies in executing the new Chapter 16 requirements while assuring our work fully meets client and regulatory expectations.

Project Team

HDR is committed to supporting the District's dedication to the safe operation of its hydroelectric projects. We have customized a team to leverage the knowledge and experience of our technical resources to effectively provide IC services for the Stillwater Project. We are proposing to reconvene several of the Conklingville CA key staff to perform the Stillwater CA with Brian Chrisman and Justin Niedzialek, PhD as our proposed co-ICs for this inspection.

Brian and Justin will be supported by a team of technical specialists in geotechnical, structural, and mechanical engineering; geology; hydrology and hydraulics; and consequence estimation. Professional summaries for HDR's key team members are provided below and resumes are included in Appendix A.

Brian Chrisman, PE (NY pending) ..... co-Independent Consultant/SME, Geotechnical
Justin Niedzialek, PhD, PE (NY-86408)..... co-Independent Consultant/SME, H&H
Dan Osmun, PE (CA-51750) ..... PFMA/L2RA Co-Facilitator
Jennifer Gagnon, PE (ME- 13751)..... PFMA/L2RA Co-Facilitator
Nick Dempsey, PE (NY-109273-01) ..... SME, Structural
Trace West, PE (WA-47115) ..... SME, Mechanical
Michael Buga, PG (CA-9151) ..... SME, Geology
Katherine Caley, PE (NY- 099548) ..... SME, Consequences
Anthony Arce, EIT (NY)..... Note Taker

Brian Chrisman, PE (NY pending) | co-Independent Consultant/SME, Geotechnical

Brian Chrisman has over 20 years of experience in the dam safety engineering, geotechnical engineering, and construction services/management field. He is a Senior Geotechnical/Dam Safety Engineer and an approved FERC Part 12D Independent Consultant. He has served as Co–Independent Consultant and Senior Dam Safety Engineer for five Dam Safety Reviews and two Part 12D projects as either the IC or the SME. Additional experience includes being the lead engineer on six Comprehensive Reports for National Park Service dams which included development of PFMs and risk assessment for each facility. Design of new dams and evaluation of existing dams has focused on a range of assessments including instrumentation and evaluation of seepage and pore pressures, static and dynamic stability of earthen structures, dam design and construction, and filter compatibility of materials as it relates to dam safety. In addition, he has served as Project Manager/Engineer of Record for several large–scale earthen dam remediation projects, as well as numerous geotechnical investigations resulting in foundation recommendations for industrial, government, and commercial developments. During the course of his experience, he has supported several projects that have required extensive interaction with federal, state, and local agencies, including the FERC. He has served on projects during the planning, construction, and/or rehabilitation of industrial, recreational, and hydroelectric dams.

Justin Niedzialek, PhD, PE (NY-86408) | co-Independent Consultant / SME, Hydraulics & Hydrology / Project Manager

Justin has over 20 years of engineering experience in government, private, and research settings. For 16 years, he has worked exclusively in the dam safety and hydroelectric industry concentrating on FERC Part 12 dam safety-related work such as dam failure and hazard analyses, dam safety inspections, instrumentation and monitoring, functional exercises, determination of spillway adequacy, determination of PMF, and preparation of inundation maps and EAPs. During the course of Justin's experience, he has supported several projects that have required extensive interaction with federal, state, and local agencies, including the FERC. He has served on projects during the planning, construction, and/or rehabilitation of industrial, recreational, and hydroelectric dams. He is an approved FERC Part 12 Independent Consultant.

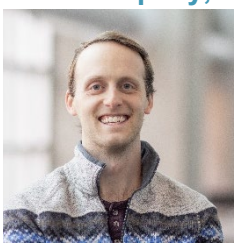
Jennifer (Jenn) Gagnon, PE (ME-13751) | PFMA/L2RA Co-Facilitator

Jenn Gagnon has 17 years of experience in water resources engineering and planning. Her technical experience includes hydrology and hydraulics analysis and modeling techniques related to hydroelectric projects, flood-flow frequency analysis, river-channel and reservoir routing, water resources planning, design of flood control and conveyance structures, and scour analysis on a variety of projects. She is an approved FERC Part 12 Independent Consultant experienced in dam failure and hazard analysis, determination of spillway adequacy, determination of PMF for determination of the IDF, preparation of inundation maps and EAPs, and dam safety inspections.

Dan Osmun, PE (CA-51750) | PFMA/L2RA Co-Facilitator

Dan Osmun, our proposed PFMA/L2RA co-Facilitator, has over 34 years of experience in geotechnical and embankment dam engineering including 25 years in private sector consulting and 8 years at Reclamation. He has performed dam safety evaluations, technical studies, and investigations on many earthfill and concrete dams including FERC-regulated hydropower dams, USACE dams, and numerous Reclamation dams. Dan has served as a Facilitator for dozens of semi-quantitative and quantitative risk analyses, an instructor for various dam safety risk related topics, and has been a member of several expert review panels involving dam safety risk.

Nick Dempsey, PE (NY-109273-01) | SME, Structural Engineering



Nick Dempsey is proposed as a Structural SME for this inspection. Nick is a Dam Safety Engineer who has 10 years of direct dam safety experience. Since joining HDR, Mr. Dempsey has worked on geotechnical and structural projects focused exclusively on dams and hydropower structures. He has participated in numerous FERC Part 12D safety inspections, PFMAs, and SQRAs where he has served as a Note Taker.

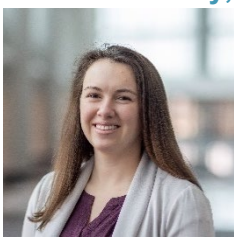
Trace West, PE (WA- 47115) | SME, Mechanical Engineering

Trace has 19 years of mechanical engineering experience specializing in hydropower design and field engineering. His experience has been focused on generating unit and crane/hoist/gate condition assessments and overhauls. Prior to joining HDR, Trace was at Avista Utilities, where he supported powerhouse upgrades and unit overhauls. He also has seven years of R&D mechanical engineering experience, where he was responsible for designing, installing and commissioning heavy equipment in the aluminum industry.

Michael Buga, PG (CA- 9151) | SME, Geology

Michael is a registered professional and engineering geologist with 18 years of experience in domestic and international geohazard and geotechnical investigations, including site characterizations, seismic hazard evaluation, risk assessment, and engineering geology. He has technical experience in fault characterization, paleo seismic trenching, geologic mapping, seismic hazard assessment, seismic data interpretation, erodibility assessments, slope stability analysis, and liquefaction analysis.

Katherine Caley, PE (NY-099548) | SME, Consequences



Katherine is a Water Resources Engineer with a focus in dam safety compliance and hydrologic and hydraulic modeling. Over the past 13 years, she has led or assisted in performing dam safety inspections, developing Dam Safety Surveillance Monitoring Reports (DSSMRs), Emergency Action Plans (EAPs), Owners Dam Safety Programs (ODSPs), and dam safety training modules. She has used the U.S. Army Corps of Engineers' HEC-RAS to develop models of dam operations and dam failures. Katherine has experience developing consequences analyses in support of L2RAs, including Brookfield's Stewarts Bridge Comprehensive Assessment.

Compensation

HDR proposes to perform the services described in this proposal on a time and expense basis, and a breakdown of HDR's anticipated fee by task is shown in Table 4. We believe the base scope of work can be completed for a not to exceed fee of $379,500. One check-in point on budget will be the FERC's approval of the Inspection Plan. HDR will not exceed the estimated budget without prior written authorization from the District. If additional tasks, unforeseen conditions, delays, or project circumstances arise, additional budget may be needed. Such a request would be the subject of an addendum to this scope.

TABLE 4 Time Allocation and Budget Estimate by Task

Task No.	Description	Hours	Budget Estimate
1	Data Review	128	$29,000
2	Inspection Plan	52	$9,200
3	Pre-Inspection Preparation Report	231	$40,500
4	Field Inspection	122	$26,300
5	PFMA/L2RA Workshop	1,176	$230,900
6	Comprehensive Assessment Report	209	$43,600
	Totals	**1,918**	**$379,500**

Terms and Conditions

Work will be performed under the terms and conditions of Contract C012023 between Hudson River-Black River Regulating District and Henningson, Durham & Richardson Architecture and Engineering, P.C.

Limitations

The results of the proposed Comprehensive Assessment should not be viewed as a precise determination of risk. Rather, the results should be used to identify and manage features of the Stillwater Project that could result in an uncontrolled release of the reservoir or significant damage. Together with other information, the results from this study may be used by the District to understand and manage the dam safety risks at the project.

General Assumptions

- We have developed our team, tasks, and fee based on our understanding and interpretation of the FERC requirements of this relatively new CAR process, as applied to the components and size of the Stillwater Project. Adjustments to HDR's proposed scope, fee, and schedule may be required should additional SMEs, analyses, or documentation be required by the FERC.

- Detection of hidden, covered, inaccessible, or internal structural or material defects, corrosion, or damages in components, embedment, reinforcing, anchorages and parts of equipment, structures, or mechanisms being inspected that are not readily discernible by external visual inspection are not included as part of this scope.

Appendix A

Core Staff Resumes

Brian Chrisman, PE

Co-Independent Consultant/SME, Geotechnical

Brian is a Senior Geotechnical/Dam Safety Engineer with 25 years of experience in the dam safety engineering, geotechnical engineering, and construction services/management field. He has served as Project Manager/ Engineer of Record for several large-scale earthen dam remediation projects, as well as numerous geotechnical investigations. During the course of his experience, he has served on several projects that have required extensive interaction with federal, state, and local agencies, including the FERC. He has performed complex analyses including liquefaction potential studies, slope stability studies, seepage estimates, and settlement estimates using various programs and procedures including finite element and finite difference programs. He has served as Co–Independent Consultant and Senior Dam Safety Engineer for five Dam Safety Reviews and two Part 12D projects as either the IC or the SME. Additional experience includes being the lead engineer on six Comprehensive Reports for National Park Service dams which included development of PFMs and risk assessment for each facility.

EDUCATION

M.S.C.E., Geotechnical Engineering, Virginia Polytechnic Institute and State University

B.S. Civil Engineering, Virginia Polytechnic Institute and State University

REGISTRATIONS

Professional Engineer:
NC (#029912),
SC (#24889),
VA (#050849),
WV (#23732),
GA (#045099)

SPECIALIZED TRAINING AND CERTIFICATIONS

Seepage for Earth Dams, Association of State Dam Safety Officials, First Advanced Technical Seminar, Fourth Session, 2004.

USACE DLS-208, Internal Erosion Risk Assessment, Risk Management Center Training

PROFESSIONAL MEMBERSHIPS

Association of State Dam Safety Officials (ASDSO)

American Society of Civil Engineers

USSD

RELEVANT EXPERIENCE

DAM INSPECTION AND DAM SAFETY EXPERIENCE

2023, 2022, 2021, 2020, 2018, 2017, 2016 Part 12D Inspection and Potential Failure Modes Analysis (PFMA) Support, Duke Energy

Served as the Senior Geotechnical Engineer in coordination with the Independent Consultant to support multiple Part 12D dam safety inspections and PFMA reviews of projects across Duke Energy's portfolio.

Hudson River/Black River Regulating District, Great Sacandaga Lake Part 12 Comprehensive Assessment, NY

Serving as co-Independent Consultant and Geotechnical SME for the 5th Part 12 inspection and PFMA/L2RA for the Conklingville Dam and spillway. Conklingville Dam is a 100-foot-tall hydraulic fill embankment while the spillway consists of siphon, Dow valves, and concrete gravity overflow sections. Performed a visual inspection of the project structures including the overflow spillway and bedrock of the power canal. The final report is due to FERC by February 3, 2025.

2017 Ware Shoals Part 12D Inspection and Potential Failure Modes Analysis (PFMA)

Served as Co–Independent Consultant for the first Part 12D inspection and PFMA of Enel Green Power North America, Inc.'s Ware Shoals Development, located in Ware Shoals, South Carolina, after the structure was reclassified from Low Hazard. Work included review of relevant project data and information, performance of a site inspection to assess project structures, participation in a PFMA workshop, and assistance with preparing a Part 12D Inspection Report consistent with FERC Engineering Guidelines.

2010 Seven Mile Dam Dam Safety Review (DSR)

Served as the Senior Dam Safety Engineer in coordination with the Lead Dam Safety Engineer to perform the 2009 DSR (equivalent to Part 12D report) for BC Hydro's Seven Mile Dam near Castlegar, British Columbia. Work also included defining and describing potential failure modes within the framework of the Hazards Failure Mode Matrix. Work included 40 hours of onsite inspection and interview time and 2 months of 20 hours per week for document and records review for approximately 200 hours of total time. Work also included writing the DSR report for review by Lead Dam Safety Engineer.

2011 Alouette Dam Dam Safety Review (DSR) Aug – Dec 2011

Served as the Senior Dam Safety Engineer in coordination with the Lead Dam Safety Engineer to perform the 2010 DSR (equivalent to Part 12D report) for BC Hydro's Alouette Lake Dam near Coquitlam, British Columbia. Work also included defining and describing potential failure modes within the framework of the Hazards Failure Mode Matrix. Work included 40 hours of onsite inspection and interview time and 2 additional months of 20 hours per week for document and records review for approximately 200 hours of total time. Work also included writing the DSR report for review by Lead Dam Safety Engineer.

2012 Ladore Dam Dam Safety Review (DSR) Aug – Dec 2012

Served as the Senior Dam Safety Engineer in coordination with the Lead Dam Safety Engineer to perform the 2010 DSR (equivalent to Part 12D report) for BC Hydro's Ladore Dam

National Hydropower Association

Chi Epsilon Engineering Fraternity

INDUSTRY TENURE

25 Years

BRIAN CHRISMAN, PE (CONTINUED)

near Quinsam, British Columbia. Work also included defining and describing potential failure modes within the framework of the Hazards Failure Mode Matrix. Work included 40 hours of onsite inspection and interview time and 2 additional months of 20 hours per week for document and records review for approximately 200 hours of total time. Work also included writing the DSR report for review by Lead Dam Safety Engineer.

2013 Sugar Lake and Wilsey Dams Dam Safety Review (DSR) – Aug – Dec 2013
Served as the Senior Dam Safety Engineer in coordination with the Lead Dam Safety Engineer to perform the 2010 DSR (equivalent to Part 12D report) for BC Hydro's Sugar Lake Dam and Wilsey Dam near Cherryville, British Columbia. Work also included defining and describing potential failure modes within the framework of the Hazards Failure Mode Matrix. Work included 40 hours of onsite inspection and interview time and 2 additional months of 20 hours per week for document and records review for approximately 200 hours of total time. Work also included writing the DSR report for review by Lead Dam Safety Engineer.

2014 Cliffside Steam Station Ash Basin Dam Inspections – July – Aug 2014
As Lead Dam Safety/Geotechnical, performed an inspection of North Carolina regulated dam structures as a part of a two-person team for Duke Energy's inaugural Phase 2 internal program. Regulated dams impounding coal combustion residuals included the Units 1-4 Inactive Ash Basin Dam, Unit 5 Inactive Ash Basin Main and Saddle Dams, and the Active Ash Basin Upper and Lower Dams. Inspection included dam structures, spillways, abutments, and operation and maintenance practices. Work consisted of a two-day onsite inspection with approximately 20 hours per week for two weeks to review site drawings, site history, and operation and maintenance practices at the site. Work also included approximately 80 hours of time for inspection report preparation.

2014 Dan River Steam Station Ash Basin Dam Inspections – July – Aug 2014
As Lead Dam Safety/Geotechnical, performed an inspection of North Carolina regulated dam structures as a part of a two-person team for Duke Energy's inaugural Phase 2 internal program. Inspected Primary and Secondary Ash Basin Dams including the spillways and plant operations. Work consisted of a two-day onsite inspection with approximately 20 hours per week for two weeks to review site drawings, site history, and operation and maintenance practices at the site. Work also included approximately 80 hours of time for inspection report preparation.

2015 HF Lee Steam Station Cooling Pond Inspection – June – July 2015
As Lead Geotechnical Engineer, performed an inspection of North Carolina regulated dam structures as a part of a three person team for Duke Energy's inaugural Phase 5 internal program. Inspected a 5-mile-long ring dike that served as the impoundment structure for the cooling pond servicing the combined cycle plant Work consisted of a one-day onsite inspection with approximately 30 hours per week for two weeks to review site drawings, site history, and operation and maintenance practices at the site. Work also included approximately 80 hours of time for inspection report preparation.

ANALYSIS AND DESIGN EXPERIENCE

2000 Unnamed State Dam, Salisbury, North Carolina
Served as EIT reviewing seepage and slope stability analyses for project engineer as well as overall design of homogeneous earthen dam to be used for developing a city owned recreation area. Approximately 80 hours of time commitment.

2003 Unimin Corporation Tailings Pond Dam Expansion
Project involved vertical expansion of an unregulated tailings dam at a Unimin Corporation facility. The project involved performing and executing a geotechnical exploration and analyses to support settlement and slope stability based on the imposed loads. Excluding the geotechnical exploration, the project duration was one month with a 50% time commitment.

2004 – 2005 Paddy Creek Dam – April 2004 – July 2005
As Staff Engineer, responsible for analyses of liquefaction potential and slope stability of Duke Energy's Paddy Creek embankment dam as part of FERC's seismic stability initiative. Termed the Embankment Seismic Stability Improvements (ESSI) project, the analyses used data from explorations performed in the 1990s and FERC recommended scaled ground motions to develop liquefaction potential based on finite element seismic response of the structure. The analyses included iterative analyses to size the earthen stability berm for the maximum and abutment sections to improve post-seismic stability based on the existing conditions previously analyzed by others. Analysis of each section occurred over a period of two months (total of 4) with 100% time commitment during this period. After FERC comment period, another iteration of analyses to size the stability berm was performed for duration of another 3 months

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with 100% time commitment. During this period, participated in Board of Consultant (BOC) meetings discussing the results and practicality of the berm size. After acceptance of the stability berm configuration, assisted lead engineer with design of stability berm including filter compatibility, civil layout, and overall civil design during 2005 with an average of 10–20% of each week committed to this phase of the project.

2005 – 2007 Linville Dam Design (Main Section) – Jan 2005 – July 2007
As Engineer of Record, responsible for analyses of liquefaction potential and slope stability of Duke Energy's Linville Dam as a continuation of the Bridgewater ESSI project. The analyses included iterative analyses to size the earthen stability berm for the maximum and abutment sections to improve post-seismic stability based on the resulting liquefaction potential. Analyses included alternative design with Mechanically Stabilized Earth (MSE) wall for retention of the stability berm in order to avoid moving the switchyard. Analysis of main section occurred over a period of three months with 100% time commitment during this period. After FERC comment period, another iteration of analyses and modifications to size the stability berm was performed for a duration of another 3 months with 100% time commitment. During and after this period, prepared and gave presentations to Board of Consultant (BOC) discussing the results and practicality of the berm size and additional discussion items as the design progressed. Of particular interest in the BOC discussions was concern regarding the penstock, which eventually resulted in a soil improvement concept to laterally brace the 20-foot-diameter riveted steel structure. Averaging the time commitment over this period of time and including all tasks, an equivalent 25% time commitment each week over this period of time was involved.

2005 – 2007 Catawba Dam Design – July 2005 – Dec 2007
As Engineer of Record, responsible for analyses of liquefaction potential and slope stability of Duke Energy's Catawba Dam as a continuation of the Bridgewater ESSI project. Analyses performed for the maximum section and saddle dam to size respective earthen stability berms to improve the post-seismic slope stability of the dams. Participated in FERC BOC meetings in which the results and analyses were discussed and evaluated. The analyses of the maximum section for existing conditions and sizing of the earthen stability berm occurred in 2005 timeframe and had project duration of approximately 12 months with an equivalency of 50% time commitment. Analyses of the saddle dam existing conditions and sizing of the earthen stability berm occurred in 2006 with a similar commitment to time.

2005 Buck Steam Station
Served as Engineer of Record for slope stability analyses to assess the impact of raising the normal operating reservoir level on the stability of the dam under steady state seepage conditions. Responsibilities, including the final report, included 40 hours of billable hours.

2007 Jocassee Dam Fragility Analysis
Served as Subcontractor for fragility analysis of rockfill dam responsible for development of material parameters, slope stability analyses, and analysis of displacement magnitudes using Newmark analysis. Project duration was approximately 2 months with 40 hours per week for the first month and 10 hours per week for the second month. Miscellaneous discussions regarding the results and minor rework thereafter.

2006–2008 Lookout Shoals Design
As Lead Geotechnical Engineer, responsible for analyses of liquefaction potential and slope stability of Duke Energy's Lookout Shoals embankment dam as part of FERC's seismic stability initiative. Termed the ESSI project, the analyses used data from explorations performed in the 1990s and FERC recommended scaled ground motions to develop liquefaction potential based on finite element seismic response of the structure. The analyses of the maximum section for existing conditions occurred in 2006 and had project duration of approximately 6 months with an equivalency of 40–50% time commitment. Analyses of the maximum section for the iterative configuration of the stability berm to meet project stability criteria occurred in 2007 and 2008 with an average equivalency of 25% time commitment although actual time commitment ranged between 10% and 100% during this period.

2007–2009 Mountain Island Design
As Lead Geotechnical Engineer, responsible for analyses of liquefaction potential and slope stability of Duke Energy's Mountain Island embankment dam as part of FERC's seismic stability initiative. Termed the ESSI project, the analyses used data form explorations performed in the 1990s and FERC recommended scaled ground motions to develop liquefaction potential based on finite element seismic response of the structure. The analyses of the maximum section for existing conditions occurred in 2007 and had project duration of approximately 6 months with an equivalency of 40–50% time commitment.

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Analyses of the maximum section for the iterative configuration of the stability berm to meet project stability criteria occurred in 2008 and 2009 with an average equivalency of 25% time commitment.

2009–2011 Linville Dam Design – Jan 2009 – Dec 2011
As Engineer of Record, supported continuation of the ESSI project as the Lead Engineer/ Engineer of Record from the 2005–2007 time period involving analysis of the abutment section in order to appropriately size the embankment stability berm. Project also included continuation of presentations to Board of Consultants (BOC) and the FERC regarding the design of the project. Equivalent time commitment during this three year period for analyses, additional geotechnical explorations, oversight of construction drawing preparation, and project management including interaction with the FERC and BOC accounted for approximately 25% of the weekly effort.

2007 – 2012 Buzzard Roost Analysis
Served as Lead Engineer/Engineer of Record for the analysis of the liquefaction potential of the Buzzard Roost Dam owned and operated by Greenwood County in South Carolina. The project consisted of a geotechnical exploration and laboratory testing program to develop static and dynamic material parameters using conventional borings and cone penetration testing. The embankment was analyzed for existing conditions based on FERC recommended ground motions during the 2007–2008 timeframe. Discussions regarding the analyses and results with the FERC during the 2010–2011 time frame with multiple iterations of parametric and re-analysis with the final disposition being that the embankment met acceptable post-seismic performance.

2009 Marshall Steam Station and Riverbend Steam Station
As Engineer of Record, reviewed existing information to perform design basis slope stability analysis using existing shear strength parameters. Slope stability analyses performed for the state-regulated main dam and primary dam for Marshall Steam Station and Riverbend Steam Station, respectively, which impound coal ash basins at each site. Project duration was equivalent of full time for one month.

2009 Allen Steam Station Main Dam Stability Analyses
As Engineer of Record, reviewed existing information for state-regulated main dam impounding coal ash basin to perform a liquefaction analysis using the Simplified Method. Exploration utilizing CPTs to develop liquefaction potential of the embankment and foundation materials. Project, not including the geotechnical exploration, duration of approximately 6 weeks with 20 hours per week of billable time.

2010 NRCS Dam Norman Oklahoma
Provided senior review for calculations in compliance with TR-60 manual supporting proposed construction of new NRCS dam in Oklahoma. Calculations included slope stability, seepage, filter compatibility, and drain design/capacity. Responsibilities required approximately 20 hours per week for 6 weeks.

2010 Pond B Spillway Channel Lining Project – May – July 2010
Served as Engineer of Record for rehabilitation of spillway channel by regarding and lining the channel with gabion mats. Prepared gabion design calculations, specifications, and directed preparation of construction drawings including site drainage and concrete lined ditches. Design included interaction with H&H design engineer to incorporate IDF flood levels into design. Responsibilities required approximately 20 hours per week for 2 months.

2012 Cowans Ford Dam Fragility Analysis – Aug – Dec 2012
As Lead Geotechnical Engineer, participated in a three-day mini-PFMA exercise in order to develop the fragility trees and focus the analyses necessary for developing the fragility parameters. Based on the results of the PFMA exercise, a scope of work was developed to address the required analyses including developing the range of material parameters for use in the analyses. Once the scope of work was developed, led the analysis team responsible for analysis of three slopes including two embankments and a natural cut slope which would have affected plant operations if failure occurred. Analysis scope of work occurred over the course of three months with approximately 15–20 hour per week during the period.

2012 – 2013 Pond C Reservoir Project – Apr 2012 – Dec 2013
Served as Engineer of Record/Lead Geotechnical Engineer for a main dam and six saddle dams to impound the primary cooling water source for a proposed nuclear power plant. Primary responsibilities included planning and overseeing the geotechnical exploration, leading the design and analysis team, overseeing preparation of the specifications and construction drawings, and interaction with multi-disciplinary team to meet the design objectives. Also responsible for designing the foundation grouting plan for the dams and reservoir perimeter including

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preparation of specifications. Participated in the spillway alternatives assessment and design the Roller Compacted Concrete (RCC) spillway in coordination with the H&H engineer. The geotechnical exploration was performed in 2012 and took approximately 4 months to complete, not including the development, planning and bidding phases of the work. Responsibilities during the exploration included at least one day per week onsite and discussions with field personnel to resolve issues during drilling. The client required that all design services be completed within the 2013 calendar year which required a minimum average of 20+ hours of billable work per week for the entire 2013 calendar year.

2014 Cliffside Steam Station – March – June 2014
Served as Engineer of Record for vegetation removal plans on state-regulated dams with pending Notices of Violation. Project included planning and executing geotechnical exploration in order to perform slope stability analysis and screening level liquefaction analyses. Responsibilities included performing calculations and directing CAD designers in preparing the construction drawings. Responsibilities also included peer review of proposed emergency spillway design. Duration of project was 12 weeks for which an equivalency of 8 weeks of billable work was performed.

2014 Lake Julian Dam Slope Stability and Seepage Analysis Peer Review
Peer review and oversight of initial slope stability and seepage calculation for Lake Julian Dam. Calculations included laboratory testing program and development of shear strengths for embankment and foundation soils. Responsibilities included approximately 40 hours over the course of four weeks.

2014 Phase 2 Cliffside Steam Station – April – Dec 2014
Served as Lead geotechnical engineer and dam safety engineer for comprehensive study of state-regulated ash basin dams at the Cliffside Steam Station based on the requirements of the Duke Energy's internal programmatic dam safety documents. Regulated ash basin impoundments included 5 dams for which an exploration and advanced laboratory testing program was planned and executed. The comprehensive study and review included slope stability, seepage, and liquefaction analyses as well as a review of operation and maintenance practices related to dam safety. Project duration was 8 months and resulted in an equivalency of 5 months of billable hours.

2014 Phase 2 Dan River Steam Station– June – Dec 2014
Served as Lead geotechnical engineer and dam safety engineer for comprehensive study of state-regulated ash basin dams at the Dan River Steam Station based on the requirements of the Duke Energy's internal programmatic dam safety documents. Regulated ash basin impoundments included Primary and Secondary dams for which an exploration and advanced laboratory testing program was planned and executed. The comprehensive study and review included slope stability, seepage, and liquefaction analyses as well as a review of operation and maintenance practices related to dam safety. Project duration was 6 months and resulted in an equivalency of 3 months of billable hours.

2015 Dan River Dan River Ash Basin Storage Cell Design – July 2015
Served as Engineer of Record for design of a multiple acre storage cell constructed on top of an existing ash basin regulated by the state of North Carolina. Responsible for stability of dredge cell slopes and calculations to assess the potential impact of the dredge cell on the existing ash basin impoundment structures. Direct oversight of construction drawings and specification development. Developed instrumentation program to monitor potential buildup of pore pressures within existing impoundment structure during construction and filling of the dredge cell. Design of the dredge cell including construction drawings, calculations, and specifications required 40 hours a week for a period of 1.5 months.

2015 Lake Julian Dam Spillway and Seepage Improvements
Developed alternatives for an existing spillway that did not met discharge requirements for design storm event. Concepts explored included relocating the spillway, modifying the existing spillway, or use of fusegates. Project responsibilities included approximately 40 hours of work in coordination with other team members and the project Owner to develop ideas into valid working concepts.

2015 Phase 5 HF Lee Steam Station Cooling Pond – July – Nov 2015
Served as Lead geotechnical and dam safety engineer for comprehensive study on a 5-mile-long ring dike impounding the cooling pond (Quaker Neck Lake) for the HF Lee Steam Station. The study included review of available construction drawings and documents, operation and maintenance practices, inspection of the dam and spillways, and development of potential failure modes associated with the reservoir. Performed slope

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stability and seepage calculations. The project duration was approximately 4 months with an equivalent of approximately 8 weeks of full time billable hours.

2015–2016 Cliffside Steam Station Water Redirection Project – June 2015 – April 2016
Served as Project Manager/Engineer of Record for construction of a holding pond for site runoff/contact water. Pond designed to hold the 100-year storm with five 280 hp pumps to transport water to active ash basin in order to prevent spillway activation. Holding pond consisted of a 20-foot-tall rockfill dam with MSE wall facing on downstream side and PVC pond liner on the upstream side. Responsibilities included design of the rockfill dam, design of the concrete and gabion overflow spillway, design of PVC liner, specifications, and directing CAD group in preparing construction drawings. Project duration was approximately 9 months in duration with an equivalent of 4 months of full time involvement. Dam was eventually exempted from regulation by state of North Carolina.

2016 Ware Shoals Sinkhole Mitigation and Repair Project – July 2016 – 2023
Serving as Lead Engineer/Engineer of Record for a project to address an active sinkhole and to prepare concepts for mitigation of future sinkholes as well as developing alternatives for repairing the existing sinkhole. To date, a geotechnical exploration requiring a FERC approved Drilling Program Plan was completed in September 2016 and a report issued in November 2016. To date, approximately 4 weeks of full time effort has been expended on the project.

2016 Low Head Dams Anchor Calculations – Nov – Dec 2016
As Quality Control Reviewer, performed peer review of gravity dam stability calculations with and without post tensioned anchor loads for four low head gravity dams including the Dan River, W.S. Lee, and Cliffside Low Head Diversion Dams. Originator for the calculations for the Buckhorn gravity dam, a larger run-of the river structure used for impounding water near the plant intakes. Peer reviews of the stability calculations accounted for approximately 12 hours each when including the report sections, for a total of 36 hours. Originating the calculations for the Buckhorn Dam including writing the report accounted for approximately 64 hours.

2016-2019 – Cedar Cliff Spillway Improvement Project – July – Dec 2019
Served as Lead Geotechnical Engineer/ Engineer of Record for a design project to improve the Auxiliary Spillway at the Cedar Cliff Project in order to increase the overall capacity of the project to pass the PMF. Tasks included grading plans, specifications, design of a soldier pile and lagging wall, and rock slope stability. Construction of the project began in 2020.

2019 Ware Shoals Filter Blanket Repair Project – July – Dec 2019
Serving as Lead Engineer/Engineer of Record for a project to evaluate an active seepage concern that appeared in July 2019 at the toe of the power canal embankment. Lead the effort for design of a filter blanket to address potential piping concerns at the interface of the embankment and foundation. Filter blanket was constructed and completed in December 2019.

MAJOR CONSTRUCTION EXPERIENCE

2000 Unnamed State Dam, Salisbury, North Carolina
Performed site observations under supervision of lead engineer for construction of new 60-foot-tall dam. Work included one month of full time (40 hours per week) onsite observations for undercutting alluvial soils and construction of primary spillway conduit. Additional work included 16 hours per week of part time site observations during fill placement for duration of 2 months.

2005 – 2007 Paddy Creek Dam Embankment Improvement Construction
Served as Quality Control Inspection Program (QCIP) Manager and part time site engineer during construction of the seismic stability berm at Paddy Creek Dam, one of the three primary dams impounding Lake James at the Bridgewater Hydro Development. QCIP manager duties included an average of 12 hours per week for overseeing subcontracted Independent Testing Agency and reviewing results of quality control test results. Part time site engineer duties included intermittent periods of construction oversight during the course of the construction project combining to total approximately 4 months of onsite construction time.

2008 – 2010 Catawba Dam Embankment Improvement Construction
Served as Lead Engineer/Engineer of Record during construction of the seismic stability berm and Roller Compacted Concrete structures at Catawba Dam, one of the three primary dams impounding Lake James at the Bridgewater Hydro Development. Engineering duties including onsite and office based review and construction support averaged 24 hours per week at a minimum for a period of two years. Work activities included interaction with contractor and Duke Energy to provide

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guidance on dam safety concerns related to the construction activities. During periods of RCC construction full time onsite work included 40+ hours of onsite construction support combining for a total of a minimum of 4 months of full time work.

2010 – Pond B Spillway Channel Lining Project – Aug – Oct 2010
Served as Lead Engineer/Engineer of Record responsible for spillway channel lining project using gabion mats. Managed and guided engineering technician that provided full time site coverage including any necessary engineering modifications required during construction. Onsite and office time included approximately 16 hours per week for a duration of three months until significant completion.

2012 – 2013 Linville Dam Embankment Improvement Construction (Phase I)
Served as Lead Engineer/Engineer of Record during Phase I of the construction of the seismic stability berm construction at Linville Dam, one of the three primary dams impounding Lake James at the Bridgewater Hydro Development. Engineering duties including onsite and office based review and construction support averaged 16 hours per week at a minimum for a period of one year. Work activities included interaction with contractor and Duke Energy to provide guidance on dam safety concerns related to the construction activities.

2015 Dan River Ash Basin Storage Cell Construction – Aug 2015 – April 2016
Served as Lead Engineer/Engineer of Record for construction of a dredged flyash storage cell on top of an existing flyash basin. Responsibilities included monitoring dam stability and pore pressure response within the existing dam as the storage cell was constructed and filled. Work activities included approximately 16 hours per week for a period of 6 months not including daily interaction with the full time engineering technician at the site.

2016 Linville Dam ESSI Construction (Phase II) – Sep 2016 – 2020
As Geotechnical/Field Engineer, supporting activities include monitoring and assessing dewatering of the dam, excavation slope stability analyses, assessing anomalous instrumentation readings, and assisting in dam safety concerns during the construction project. Between April 2016 and September 2016, the work activities have averaged 8 hours per week. Full time onsite construction monitoring and oversight activities during current soil mixing ground improvement to date total approximately 2 months between October and end of December.

Justin Niedzialek, PhD, P.E.

Co-Independent Consultant / SME, Hydrology and Hydraulics/Project Manager

Justin Niedzialek has over 20 years of engineering industry experience. For the past 15 years, Dr. Niedzialek has worked exclusively in the hydroelectric industry concentrating on Federal Energy Regulatory Commission (FERC) Part 12 dam safety-related work such as dam failure and hazard analyses, dam safety inspections, instrumentation and monitoring, functional exercises, determination of spillway adequacy, determination of Probable Maximum Flood (PMF), and preparation of inundation maps and emergency action plans (EAPs). His roles in these projects have included Project Manager, Lead Engineer, Senior Reviewer, and Facilitator. During the course of his experience, he has supported several projects that have required extensive interaction with federal, state, and local agencies, including the FERC. He has served on projects during the planning, construction, and/or rehabilitation of industrial, recreational, and hydroelectric dams. He is an approved FERC Part 12 Independent Consultant.

The following is a description of significant or major career tasks, projects, and activities related to Dr. Niedzialek's dam inspection, safety, monitoring, and engineering analysis experience. The listed experience includes both FERC-regulated dams as well as state-regulated dams.

EDUCATION

PhD, Environmental Engineering, University of Connecticut

MSE, Environmental Engineering, University of Connecticut

BSE, Civil Engineering and Operations Research, Princeton University

REGISTRATIONS

Professional Engineer:
NY #086408
FL #68466

SPECIALTY TRAINING

DLS-102A

DLS-107

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers, Member

Chi Epsilon, National Civil Engineering Honor Society

INDUSTRY TENURE

20 years

RELEVANT EXPERIENCE

HDR (2008 to present) Civil/Hydraulics Engineer and Office Principal, Syracuse New York office.

6/2022- 3/2023 NY Canals Embankment Inspections, New York State Canal Corporation, NY (0.5 month)
Lead Engineer for the inspection of 90 embankment segments located along the New York State Canals system. Trained team members in the use of a consistent inspection checklist and report template for use by team members and sub-consultants. Worked with GIS staff to develop a new tablet application for the inspection checklist and marking deficiencies in the field. Performed the inspection of multiple canal embankments and technical lead for the remainder. Supervise and review report production that included significant observations and recommendations.

9/2022-12/2022 Holyoke Hydroelectric Project Slough Repair, Holyoke Gas & Electric, MA (0.5 months)
Project Manager for further site investigations of seepage outbreak and sinkhole development on the first level canal dike. Oversee engineers in emergency response, development of needed geotechnical testing, and design of long-term repairs. Repair included the design of full excavation, graded filter blanket, seepage collection system, and monitoring weir. Developed design for seepage collection system and monitoring weir. Responsible for overseeing staff deployed in the field for construction.

11/2021- 3/2022 Western Canals Embankment Inspections, New York State Canal Corporation, NY (0.2 month)
Lead Engineer for the inspection of 22 embankment segments located along the New York State Canals system. Developed a consistent inspection checklist and report template for use by team members and sub-consultants. Performing inspection of multiple canal embankments and technical lead for the remainder. Supervising report production that will include observations and recommendations.

8/2021-3/2023 Holyoke Hydroelectric Project Part 12 Inspection, Holyoke Gas & Electric, MA (0.25 months)
Independent Consultant and **Project Manager** for the Part 12D inspection and Potential Failure Mode Analysis (PFMA) update at the Holyoke Project. Responsible for inspection of the dam and associated civil works. Conducted multiple site inspections, lead PFMA review session, and authored the Part 12D inspection report for submittal to FERC.

12/2021-9/2022 Stillwater Reservoir Probable Maximum Flood Update, Hudson River Black River Regulating District, NY (0.25 months)
Project Manager and **Lead Engineer** responsible for overseeing the development of a new PMF for the Stillwater Reservoir Project. Scope of work includes the development of a new HEC-HMS hydrologic model and corresponding input parameters. Various

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

Probable Maximum Precipitation (PMP) inputs derived from HMR-52 will be input to the model to maximize runoff and determine the PMF.

10/2021-12/2021 Holyoke Hydroelectric Project Slough Repair, Holyoke Gas & Electric, MA (0.5 months)
Project Manager for the site investigations, design, and construction of short-term remedial measures conducted as part of the First Level Canal Fish Passage Pipe repairs. Repairs were required as the result of a leak in the embedded fish passage pipe and the upstream canal wall that resulted in a sloughed area of the First Level Canal embankment.

8/2020-2/2021 Piney CFD Model and Overtopping Protection, Brookfield Renewable, PA (0.5 month)
Project Manager for the development of a new computational fluid dynamics model of the Piney spillway. Model results were utilized to better quantify the nappe pressures associated with a 3D FEM model to evaluate overall project stability of the arch shaped dam. Conceptual options were also evaluated for overtopping protection.

9/2020-3/2021 Owners Dam Safety Program Audit, New York State Canal Corporation, NY (0.5 month)
Co-Auditor and **Project Manager** for an independent audit of the New York State Canal Corporations Owners Dam Safety Program. Conducted a review of relevant dam safety documents, conducted interview with staff, and developed recommendation regarding the dam safety program.

6/2020-2/2021 Stillwater Dam Part 12 Inspection, Hudson River Black River Regulating District, NY (0.5 month)
Co-Independent Consultant and **Project Manager** for the Part 12D inspection and Potential Failure Mode Analysis (PFMA) update at the Stillwater Reservoir Project. Responsible for inspection of the dam and associated civil works. Participate in PFMA review session to update and develop new potential failure modes as appropriate. Inspection report and PFMA addendum will be complied and submitted to the FERC for approval.

6/2020-3/2021 Oswegatchie River Probable Maximum Flood Update, Brookfield Renewable, NY (1.5 months)
Project Manager and **Lead Engineer** responsible for overseeing the development of a new PMF for the six uppermost hydroelectric facilities on the Oswegatchie River. Scope of work includes the development of a new HEC-HMS hydrologic model and corresponding input parameters. Various Probable Maximum Precipitation (PMP) inputs derived from HMR-52 will be input to the model to maximize runoff and determine the PMF.

4/2020-12/2020 Red Bridge Probable Maximum Flood Update, Central Rivers Power, MA (1 month)
Project Manager and **Lead Engineer** responsible for overseeing the development of a new PMF for the Red Bridge Project. Scope of work includes the development of a new HEC-HMS hydrologic model and corresponding input parameters. Various Probable Maximum Precipitation (PMP) inputs derived from HMR-52 will be input to the model to maximize runoff and determine the PMF.

12/2019-3/2020 Conklingville Dam Rating Curve Verification and SSPMP Audit, Hudson River Black River Regulating District, NY (1 month)
Project Manager and **Lead Engineer** responsible for the analysis of the spillway capacity and audit of the Site Specific Probable Maximum Precipitation for the Conklingville dam. Project features included in the analysis consist of a unique combination of structural and mechanical features including Dow valves, siphon spillway, and approach canal with side channel spillway.

2019-2020 Cabin Creek Parapet Wall Raise BOC, Xcel Energy, Georgetown, CO (2.5 months)
Lead H&H engineer for the design of a parapet wall raise at the pumped storage upper reservoir. Developed updated hydrologic model to determine impact of a new statewide Probable Maximum Precipitation (PMP) to the Project PMF. Analysis was conducted as part of a FERC-convened BOC. Associated work included identification of a new PMP and scenarios to support the corresponding structural analysis. A wave runup and setup analysis was also included in the supporting design report.

9/2019-12/2019 Pinnacles Part 12 Review (0.1 month)
Engineer responsible for the hydrology and hydraulics components of the Pinnacles (City of Danville) Part 12 inspection report. Conducted analysis and review of the Project STID including spillway, existing PMF, and existing IDF. Drafted corresponding sections of the Part 12 inspection report.

9/2019-3/2020 Dam Safety Assessment Reports, Portage Power, Ontario (3 months)
Served as Senior Engineer responsible for the inspection and dam safety assessment reports for two dams located in southern Ontario.

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

Conducted an engineering inspection of both dams and developed an inspection report including recommendations. Oversaw the development of the required stability analyses, hazard potential classification and IDF determination, monitoring, and review of dam safety program.

8/2019-10/2019 Rumford Part 12 Review (0.1 month)
Engineer responsible for the hydrology and hydraulics components of the Rumford Part 12 inspection report. Conducted analysis and review of the Project STID including spillway, existing PMF, and existing IDF. Drafted corresponding sections of the Part 12 inspection report.

2/2019-3/2020 Lowell Stability/Scour Analysis, Enel Green Power, MA (2.5 months)
Served as **Project Manager** responsible for the stability and scour analysis of the Great Gatehouse and Gate Guardhouse project structures at the Lowell Hydroelectric Project. A new stability analysis was developed for the normal, flood, and post-seismic operating conditions. Erosion potential during overtopping of a center island separating the two structures was evaluated with the development of an NRCS WinDAM model. Scour analysis included the parameterization of soil characteristics based on FERC approved test pits and corresponding lab analysis. Responsible for development of a field testing plan submitted to and approved by FERC and local agencies.

1/2019-4/2019 2D Modeling and Hazard Analysis of the Dyer Dam, California Department of Water Resources, Auburn, CA (2 months)
Lead Engineer in the development of a new 2D hydraulic model to evaluate the potential impacts of a hypothetical failure of the Dyer reservoir Dam. Incorporate analysis of structural design features to determine failure mode and breach parameters. HEC-RAS 2D model was required to evaluate potential hazard and IDF determination to conform with new standards from the state of California.

1/2019-6/2019 2D Modeling and Hazard Analysis of the East Norfolk Flume Wall and Left Abutment Failure, Brookfield Renewable, Norfolk, NY (2 months)
Lead Engineer in the development of a new 2D hydraulic model to evaluate the potential impacts of a hypothetical failure of the East Norfolk left flume wall and left abutment. Incorporate analysis of structural design features to determine failure mode and breach parameters. HEC-RAS 2D model was required to evaluate potential hazard and IDF determination that resulted from this unique failure scenarios that discharged water away from the river side of these structures.

9/2019-12/2019 Queens Creek Dam Failure Analysis, Duke Energy, NC (0.5-1 month)
Served as the **Senior Engineer** to oversee the development of a new HEC-RAS 2D model to simulate the potential failure of the Queens Creek Dam. Responsibilities included the oversight and development of breach parameters, model domain and layout, and hazard determination.

1/2019-2/2019 Dam Safety Surveillance and Monitoring Reports, Brookfield Renewable, NY (0.5 month)
Served as **Senior Reviewer** for the development and updating of 16 Dam Safety Surveillance and Monitoring Reports (DSSMRs) and instrumentation evaluations. Reviewed project instrumentation data and findings relative to Potential Failure Modes (PFMs). Ensured that all documents were prepared in accordance with Chapter 14 of the FERC Engineering Guidelines, "Dam Safety Performance Monitoring Program".

8/2018-6/2019 Stillwater SSPMP Feasibility Study and Cool-Season Analysis, HRBRRD, NY (1 month)
Project Manager and **Senior Engineer** for the feasibility level study and evaluation for the potential reduction of a SSPMP. This analysis determined that a reduction was likely for the warm season event but the cool season storm could be important as well. HDR reviewed the cool-season event through a series of analyses to develop a site-specific ratio of the cool-season PMP to the all-season PMP.

6/2018-12/2018 NYSEG / RG&E Dam Safety Compliance, NYSEG and RG&E, NY (0.5 month)
Senior reviewer to revisions to the Owners Dam Safety Program (ODSP), EAP updates, Dam Safety Surveillance and Monitoring Plan (DSSMP)/DSSMR updates and revisions, and the development of new DSSMP inspection checklists.

4/2018-7/2018 Fulton Commissioning Report, Brookfield Renewable, NY (0.5 month)
Project Manager and **Lead Engineer** responsible for the inspection of the Fulton development following recent upgrades and commissioning. Verified plant had been commissioned as described by Brookfield. Developed an independent engineer commissioning report.

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

2/2014-12/2018 Piney Dam Spillway Capacity and 3D Stability Analysis, Brookfield Renewable, Clarion, PA (1.5 year)
Served as **Project Manager** for this ongoing project to evaluate the spillway adequacy and stability analysis of the gravity arch Piney dam. An initial 1D stability analysis indicated the while the dam has a large gravity component, it also transfers a significant portion of the load through arch-action to the abutments. The 1D analysis found the structure would not meet stability criteria for the IDF. HDR then began to develop a 3D Finite Element Model (FEM) of the dam to accurately quantify the arch component. To support the FEM effort, Dr. Niedzialek has overseen the development of technical specifications for a geotechnical field exploration program, bid evaluations, and geologists deployed for field oversight of the drilling. Geological test report has been filed with FERC.

7/2017-3/2020 Cannonsville Dam Safety and Hydroelectric Feasibility Study, New York City Department of Environmental Protection, Deposit, NY (1 year)
Served as **Project Manager** and **Lead Engineer** to examine the feasibility of hydroelectric development at the proposed Cannonsville Project. An updated analysis of powerhouse construction and project viability considering geotechnical conditions was required by a FERC-convened Board of Consultants (BOC) following turbid discharge during previous exploratory drilling. Reviewed previous PFMs and identified new construction case PFMs. The scope of work also included a site inspection to document existing conditions assessment of project features, updated inundation mapping, and stability analysis.

3/2017-7/2017 Beebe Lake Stability Analysis, Cornell University, NY (1.5-2 month)
Served as **Project Engineer** responsible for the stability analysis of a concrete arch dam located at Cornell University. Analysis included evaluation of available geotechnical information, historical construction drawings and reports, historical flooding performance, and stability analysis following FERC Guidelines. Conducted a site inspection to understand the potential arch configuration. Analysis dependent upon historical performance of icing and flood events.

11/2017-2/2018 Magic Hydro DSSMR, DSSMP, ODSP, and EAP, Simplot, Shoshone, ID (0.5 month)
Served as **Senior Engineer** responsible for the updates to the Magic Hydro DSSMR, DSSMP, EAP status report, annual security compliance letter, and ODSP. Review and analysis regarding recommendations for a spillway inspection program.

1/2017-3/2017 Dam Safety Surveillance and Monitoring Plans and Reports, Brookfield Renewable, NY and ME (0.5 month)
Served as **Senior Reviewer** and assisted in the development and maintenance of over 70 DSSMPs and over 25 DSSMRs. Reviewed project instrumentation data and findings for consistency with Part 12 and Potential Failure Modes Analysis (PFMA) requirements. Ensured that all documents were prepared in accordance with Chapter 14 of the FERC Engineering Guidelines, "Dam Safety Performance Monitoring Program".

8/2016-12/2016 Beacon Dam Safety Inspections, City of Beacon, Beacon, NY (2 months)
Served as **Lead Engineer** responsible for the inspection and engineering report of three high hazard dams located in and around the City of Beacon, NY. The scope of work included a comprehensive review of existing documentation, visual inspection of each dam and associated structures, review of instrumentation and monitoring data, PFMs, and an inspection report documenting findings and any noted deficiencies. The engineering inspection report included recommendations for potential corrective actions.

3/2016-5/2017 Dam Safety Training for Engineers, CEATI, Montreal, Quebec (1.5 months)
Served as the **Lead Author** in the development of chapters covering dam safety, the analysis and design of spillways, energy dissipating structures, hydrology and hydraulic analyses, and dam safety principles for inclusion in advanced dam safety training modules for engineers. Dr. Niedzialek also was responsible for "eLearning" modules corresponding to those sections. The CEATI training modules are currently being used across the industry.

9/2014-6/2016 Lake Wallenpaupack Site Specific Probable Maximum Flood BOC Support, Brookfield Renewable, Hawley, PA (4 month)
Provided dam safety support with hydrologic modeling and analysis of the PMF, wave runup, and spillway capacity. Responsible for developing detailed hydraulic analysis of spillway rating curve including complex interaction of nappe and geometry of unique roller gates.

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

5/2013-8/2016 Lowell Dam Break and Inundation Mapping, Enel Green Power North America, Lowell, MA (4 months)
Served as **Lead Engineer** for the inflow design flood (IDF) determination and inundation mapping of the Project, which consists of several powerhouses distributed throughout Lowell, MA in a complex canal system maintained by the National Park Service. Conducted a site inspection with Enel to review PFMs and identify breach parameters. HEC-RAS model development included the addition of a 2D grid to simulate sheet flow when the 1D canal conveyance system was exceeded. The model incorporated several sources of data including LiDAR, field surveys, and bridge drawings. Modeling and mapping was submitted to and approved by FERC.

2/2016-7/2016 Beebe Lake Dam IDF Determination and Hazard Assessment, Cornell University, Ithaca, NY (3 months)
Served as **Lead Engineer** for the development of a dam failure model and hazard analysis for the Cornell University Hydroelectric Project located on Fall Creek. Conducted site inspection of facility to identify PFMs and other structural features to consider as part of the dam breach parameters. Develop a new hydraulic analysis model to breach and route the dam failure downstream. Examine structural spillway capacity to meet the newly established IDF. Coordinate survey of structural features with Cornell.

7/2016-3/2017 Ware Shoals Dam IDF Dam Break, Enel Green Power North America, Ware Shoals, SC (3 month)
Served as **Lead Engineer** for the development of a dam failure model and hazard analysis for the Ware Shoals Hydroelectric Project located on the Saluda River.

7/2016-12/2016 Lake Anna Dam Breach and Inundation Mapping, Dominion Power, VA (1.5 month)
Served as **Project Manager** and **Lead Hydraulic Engineer** to perform incremental dam failure and hazard analyses for the Lake Anna Dam. Evaluated PFMs to develop breach parameters. Performed detailed dam failure analyses to evaluate downstream hazard potential and develop inundation maps.

2/2016-11/2016 Skookumchuck Functional Exercise, TransAlta, Centralia, WA (1 month)
Served as **Facilitator** for the FERC-mandated functional exercise. Responsible for the analysis of relevant design material for development of an emergency scenario to include credible PFMs, master sequence of events, and final report preparation for submittal to FERC. Coordinate the presentation and conduct of the functional exercise with emergency management agencies (EMAs). Summarize major findings, outcomes, and EMA requests.

7/2015-5/2016 Holtwood and Lake Wallenpaupack Due Diligence, Brookfield Renewable, PA (1.5 month)
Served as **Lead Civil Engineer** supporting the acquisition of two hydropower plants totaling 296 MW in capacity. Conduct site inspection to review plant condition and note potential deficiencies. Review historical project data, stability analyses, previous Part 12 inspections, and PFMAs to support site evaluate dam safety, site civil and structural features, and produce technical summary. Verified that the DSSMP, hydrologic analyses, and stability analyses were consistent with FERC guidelines. Based on developed list of existing and potential future needs, develop list of future civil capital expenditures to support financial evaluation. Recommendations ranged from additional anchoring to a detailed rock scour analysis of the spillway.

1/2015-3/2015 Allegheny River Due Diligence, Brookfield Renewable, PA (1 month)
Served as **Lead Civil Engineer** supporting the potential evaluation of two hydropower plants. Conduct site inspection to review plant condition and note potential deficiencies. Review historical project data, stability analyses, previous Part 12 inspections, and PFMAs to support site evaluate dam safety, site civil and structural features, and produce technical summary. Verified that the DSSMP, hydrologic analyses, and stability analyses were consistent with FERC guidelines. Based on developed list of existing and potential future needs, develop initial list of future civil capital expenditures to support financial evaluation.

4/2015-11/2015 DSSMP Development, Enel Green Power, NY (1 month)
Served as **Project Manager** and **Lead Engineer** for the review, update, and development of two DSSMPs. The scope of work included a site inspection for the development of a new DSSMP checklist for Enel staff to use in routine inspections. Conducted an analysis of action thresholds, comprehensive document review, and major update of the DSSMP based on current FERC standards. Also responsible for updating Enel's DSSMP inspection checklist, ensuring surveillance and monitoring activities adequately address existing PFMs, incorporating penstock inspection procedures, and identifying instrumentation that requires calibration.

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

7/2015-12/2016 Emergency Action Plan Updates, Dominion Power, VA (1 month)
Served as **Project Manager** and **Technical Lead** for an update of Dominion Power's Lake Anna Dam EAP to conform to updates with FERC Engineering Guidelines and FEMA 64.

1/2015-9/2015 Emergency Action Plan Updates, TransAlta, WA (1 month)
Served as **Project Manager** and **Technical Lead** for an update of TransAlta's Skookumchuck Dam EAP to conform to updates with FERC Engineering Guidelines and FEMA 64.

1/2014-8/2014 Lake Clementine Feasibility Study, Kruger Energy, Auburn, CA (2 month)
Project Manager to evaluate the feasibility of developing new hydropower at the unpowered Lake Clementine Dam. Analysis included conceptual design and layout of a new powerhouse including new intake, penstock, and access road. Structural modifications to the existing dam and construction considerations included in the analysis. Review of dam safety and structural deficiencies at the existing USACE dam. Detailed analysis of site hydrology and potential energy production. From the evaluations, develop a feasibility-level cost opinion and implementation schedules.

11/2014-2/2015 Ontario and New York Due Diligence, Brookfield Renewable, ON and NY (1 month)
Served as **Lead Civil Engineer** supporting the potential evaluation of 11 hydropower plants located in Ontario and New York. Conduct site inspection to review plant condition and note potential deficiencies. Include analysis historical project data, stability analyses, previous Part 12 inspections, and PFMAs to support site evaluate dam safety, site civil and structural features, and produce technical summary. Verified that the DSSMP, hydrologic analyses, and stability analyses were consistent with FERC guidelines. Based on developed list of existing and potential future needs, develop initial list of future civil capital expenditures to support financial evaluation.

9/2013-10/2014 Dam Safety Emergency Action Planning, National Park Service (2 months)
Served as **Technical Lead** for the development of new EAPs and/or final development of EAPs previously established as interim plans. Conduct inspections of each dam and interview of park staff. Analysis of dam safety documents and determine credible failure scenario. Led development of and conducted several tabletop exercises with National Park Service staff and local emergency management agencies.

3/2013-8/2013 Dam Safety Inspection Procedures, Guidance, and Training for Plant Operators, CEATI, Montreal, Quebec (1 month)
Assisted in the development of training materials and inspection guidance related to dam safety specifically targeted at plant operators. Served as the **Lead Author** for sections covering hydrology, spillway design and hydraulics, and dam safety. Also responsible for "eLearning" modules related to those sections. These training materials are available to Project Sponsors and are now being widely used as the basis for Owners' dam safety training programs.

3/2013-7/2014 Cooper Lake Dam Failure Analysis, Chugach Electric, Cooper Landing, AK (1.5 month)
Served as **Project Manager** and Lead Hydraulic Engineer to perform incremental dam failure and hazard analyses for the Cooper Lake Dam. Detailed analysis of new spillway configuration to support ongoing construction activities and site remediation. Evaluated PFMs to develop breach parameters. Performed detailed dam failure analyses to evaluate downstream hazard potential and develop inundation maps.

1/2013-5/2013 Braddock and Admiral Dam Classification and Inundation Mapping, Agriculture and Agri-Food Canada, Saskatchewan (2 month)
Served as **Lead Engineer** responsible for development of two new dam failure models utilizing LiDAR data. Performed a comprehensive review of earthen embankments and PFMs to inform dam breach parameters. Dam breach modeling, life safety analysis, and inundation mapping were conducted in accordance with CDA and provincial guidelines.

8/2012-7/2013 Lyons Falls Redevelopment, Kruger Energy, Lyons Falls, NY (3 month)
Project Manager to evaluate the feasibility of redeveloping the Lyons Falls Project to increase the existing capacity. Analysis included conceptual design and layout of a new powerhouse including new intake, penstock, access road, and demolition of existing mill structures. Structural modifications to the existing dam and construction considerations included in the analysis. Detailed analysis of site hydrology and potential energy production. From the evaluations, develop a feasibility-level cost opinion, implementation schedules, and construction sequencing concerns. Led specifications for site survey.

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

4/2012-11/2012 Hydropower Acquisition Due Diligence, Brookfield Renewable, NC and TN (2 month).
Served as **Project Manager** supporting the acquisition of four hydropower plants totaling 350 MW in capacity. Conduct site inspection to review plant condition and note potential deficiencies. Lead technical discipline reviews including site civil, mechanical, electrical, substation, and transmission lines. Based on developed list of existing and potential future needs, develop list of future civil capital expenditures to support financial evaluation. Recommendations ranged from additional anchoring to a detailed rock scour analysis of the spillway.

1/2012-6/2015 Beaver River Inflow Design Flood and Inundation Mapping, Brookfield Renewable, NY (2 month)
Served as **Lead Hydraulic Engineer** for 8 dams on the Beaver River. Reviewed PFMs to develop breach parameters, hydraulic model, IDF determination, hazard classification, and inundation maps.

8/2011-12/2016 Raquette River Inflow Design Flood and Inundation Mapping, Brookfield Renewable, NY (2.5 months)
Served as **Lead Hydraulic Engineer** for 16 dams located on the Raquette River. Developed breach parameters in accordance with FERC guidelines to determine the IDF, hazard classification, and inundation maps. Performed detailed dam failure analyses to evaluate downstream hazard potential, including flooding of structures and populated areas. Many of the developments evaluated consisted of high-hazard dams that involved multiple cascading failures.

7/2011-6/2016 Oswego River Inflow Design Flood and Inundation Mapping, Brookfield Renewable, NY (2 months)
Served as **Lead Hydraulic Engineer** for 5 dams on the Oswego River. Reviewed PFMs to develop breach parameters, hydraulic model, IDF determination, hazard classification, and inundation maps.

1/2011-11/2014 Victoria Spillway Adequacy, Upper Peninsula Power Company, Ontonagon, MI (2.5 months)
Served as **Lead Hydraulic Engineer** in support of the Upper Peninsula Power Company's desire to evaluate alternatives for re-establishing the acceptable spillway adequacy at Victoria Dam. Duties included evaluating dam failure and hazard analyses to provide the basis for significantly reducing the IDF and required spillway capacity, and providing recommended modifications to the spillway and flood operating and emergency response procedures to accommodate the re-established IDF. Provided additional hydraulic analysis to support the design and construction of major project modifications.

1/2011-11/2011 Skookumchuck Functional Exercise, TransAlta, Centralia, WA (1 month)
Served as **Facilitator** for the FERC-mandated functional exercise. Responsible for the design of the emergency scenarios to include credible PFMs, master sequence of events, and final report preparation for submittal to FERC.

4/2011-12/2011 Dexter IDF and Hazard Analysis, Enel Green Power North America, Dexter, NY (1 month)
Served as **Lead Engineer** to review Enel's existing EAP and dam failure analyses to determine if a lower hazard classification was warranted for the high hazard facility with a limited record of previous analyses. Support included development of a new HEC-RAS hydraulic model and survey of structures located downstream. Modeling efforts led to an updated IDF determination and a change in hazard classification to low hazard.

2010-2013 Stewarts Bridge Powerhouse Design, Brookfield Renewable, NY (1 Year)
Project Manager for the design of a water-to-wire, 2.55 MW minimum flow unit powerhouse. Responsible for the successful design of a new powerhouse, penstock and penstock tap, mechanical and electrical BOP, interconnection, and modifications to the existing substation. Conducted site inspection for design requirements and for construction oversight. Responsible for contractor construction RFIs and change requests. Also oversaw the production of a specification package for Brookfield's use in acquiring a water-to-wire equipment package, initiated the FERC license amendment and 401 Water Quality Certification, and prepared bid packages for a site survey and geotechnical exploration.

4/2010-5/2011 Harbor Brook Inspection and Monitoring Plan and Hazard Assessment, Onondaga County Water Authority, NY (1 month)
Served as **Project Manager** and **Lead Engineer**. Conducted an assessment of the dam and surrounding areas to evaluate safety and stability and the development of a new Inspection and Maintenance Plan. Developed a HEC-RAS model from LiDAR data to evaluate the downstream hazard under a hypothetical breach of the detention basin. Additionally, oversaw the original creation of a full EAP.

JUSTIN NIEDZIALEK, PhD, P.E. (CONTINUED)

1/2010-4/2010 Project Achelous Due Diligence, Olympus Power, NY (0.5 month)
Served as **Lead Hydraulics Engineer** supporting the potential evaluation of four hydropower plants located in upstate NY. Conducted site inspection to review plant condition and note potential deficiencies along with Civil Engineer. Review historical project data, operational procedures, and previous hydrology to support development of relevant cost opinion and potential future energy production.

2009-2023 Emergency Action Plan Functional Exercises, Brookfield Renewable, LA, NY, PA, and WV (11 month or 1 month/exercise)
Served as **Facilitator** (since 2009) for 12 separate FERC-mandated functional exercise at several of Brookfield's hydroelectric facilities. Responsible for the design of the emergency scenarios to include credible PFMs, master sequence of events, and final report preparation for submittal to FERC.

2009-2014 Dam Instrumentation and Monitoring, Brookfield Renewable, NY (3 months)
Served as **Data Analyst** for the instrumentation and monitoring program that covers over 30 of Brookfield's dams in NY, PA, and WV. Coordinated regular collection of instrumentation data from field staff, input the data into Brookfield's site-specific databases, performed QA/QC reviews of the data, and forwarded this information to Brookfield's regional compliance specialists or designated engineers on a regular and as-needed basis. Elevate potential out of threshold readings to Brookfield as required.

2009-2012 Hudson River Inflow Design Flood and Inundation Mapping, Brookfield Renewable, NY (5 months)
Served as **Lead Hydraulic Engineer** for 7 dams located on and adjacent the Hudson River. Reviewed PFMs to develop breach parameters, hydraulic model, IDF determination, hazard classification, and inundation maps.

9/2009-12/2009 Edwards Falls Hydroelectric Feasibility Study, Village of Manlius, Manlius, NY (0.5 month)
Project Manager and **Lead Engineer** responsible for evaluating the feasibility of a new hydroelectric project at the Edwards Falls dam. Evaluation included modifications and dam safety requirements of the existing dam.

1/2009-6/2009 Stewarts Bridge Minimum Flow Powerhouse Feasibility Study, Brookfield Renewable, NY (0.5 month)
Project Manager and **Lead Engineer** responsible for analyzing the feasibility of a new baseflow powerhouse. Study evaluated the potential energy production at the site and the feasibility based on economic considerations including estimated construction costs and site layout. Analysis of project features for constructability in regards to dam safety and interference with existing power production.

2/2009-3/2009 Holtwood Public Safety Review, PPL, PA (0.5 month)
Served as the **Lead Engineer** in the review of the site hydrology and spillway hydraulics following a public safety incident. Project included detailed review of the spillway design, configuration, and hydraulic performance. Reviewed spillway flashboard operational and maintenance procedures for industry best practice. Traced operational and maintenance activities leading up to and following the incident.

2008-2013 Lake Algonquin Hazard Reclassification and IDF Determination, Town of Wells, Wells, NY (3 months)
Served as **Lead Engineer** to review the Town's existing EAP and develop and updated dam failure analyses to determine if a lower hazard classification was warranted for the high hazard project. Developed survey specifications for the Town's surveyor to collected detailed cross-sections to support the development of a new hydraulic model. Modeling efforts led to an updated IDF and a change in hazard classification to significant.

6/2008-7/2008 Piney Dam Hydraulic Analysis, Brookfield Renewable, PA (0.25 month)
Served as the **Lead Engineer** in the detailed derivation and analysis of an updated rating curve for the Piney Project. Analysis included consideration of nappe profile and interaction with Tainter gates and overhead walkway.

6/2008-3/2009 Great Bend and Felts Mills Feasibility Study, Brookfield Renewable, NY (2 month)
Analysis of site characteristics, including existing dam, for the new development of two hydropower facilities. Review site constraints and develop site layout for the new powerhouse. Provide calculations for required spillway modifications with the addition of proposed powerhouse. Developed a new hydraulic model for a section of the Black River to support the feasibility of new hydropower development. Participated in field studies to support model development. Utilized equipment performance data to quantify the potential future generation.

Michael Buga, PG, CEG, SPRAT I

SME, Geology

Mr. Buga is a registered professional and engineering geologist with 18 years of experience in domestic and international geohazard and geotechnical investigations, including site characterizations, seismic hazard evaluation, risk assessment, and engineering geology. He has technical experience in fault characterization, paleoseismic trenching, geologic mapping, seismic hazard assessment, seismic data interpretation, erodibility assessments, slope stability analysis, and liquefaction analysis. His project experience ranges from infrastructure, energy, oil and gas, to public and private improvements, remediation, and new construction.

EDUCATION

MS, San Diego State University

BS, Geology, U.C. Davis

REGISTRATIONS

Professional Geologist: CA No. 9151

Engineering Geologist: CA No. 2699

SPRAT Level 1, Rope Access Technician

INDUSTRY TENURE

18 years

RELEVANT EXPERIENCE

Gridflex, White Pine Pumped Storage Project, Preliminary Geologic Mapping and Seismic Update, Nevada
Mr. Buga completed the geologic field mapping and seismic update assessment for the greenfield proposed White Pine Pumped Storage Project. The effort included updating the desktop study completed by HDR with additional field observations and measurements, a preliminary assessment of the seismic hazard for the site, and developing recommendations for a subsurface investigation plan to support the next phase of project development. Mr. Buga's responsibilities include project coordination and management, completing field studies with geology team, and preparing final report summarizing findings and providing recommendations.

Gridflex, White Pine Pumped Storage Project, Reconnaissance Study, Nevada
Mr. Buga completed a geologic and seismic fatal flaw assessment for the proposed White Pine Pumped Storage Project. The assessment included a desktop study of geologic conditions and geologic hazards of the proposed greenfield site to inform project concept alternatives and AACE Class 5 opinions of probable construction costs. Mr. Buga's responsibilities included data review, preliminary desktop geologic mapping, and engineering design considerations dependent on anticipated foundation conditions.

Confidential, Pumped Storage Site Evaluations
Mr. Buga scoped and executed site evaluations for multiple sites to characterize and evaluate the critical aspects of site geologic conditions and determine site suitability for further development of proposed projects. The scope included literature review, desktop assessments, geologic mapping, laboratory testing, and design recommendations and support. Mr. Buga's responsibilities include project coordination and management, conducting field investigations, preparing and reviewing deliverables, and client interface.

California Department of Water Resources, Pyramid Dam Modernization, California
Mr. Buga managed and led the geotechnical exploration program for the Pyramid Dam Modernization Project. The scope included helicopter-supported geotechnical drilling, borehole geophysics, instrumentation, geologic mapping, laboratory testing, an erodibility assessment, and design recommendations and support. Michael's responsibilities include project coordination and management, overseeing field operations, client interface, and preparation and submittal of the geotechnical data report summarizing the field campaign and investigations findings. The findings of the investigation will be used for additional scour assessments, remediation alternatives analyses, and design support.

City of Portland Water Bureau, Bull Run Scour Analysis, Oregon
Completed a scour analysis for the overtopping of a gravity arch dam during a probable maximum flood (PMF) event. The study included a field investigation comprised of borings and geologic mapping, developing erodibility parameters of foundation materials, modeling hydraulic conditions and forces associated with a PMF event, and conducting a scour analysis using the Annandale method and the block theory method. Michael's responsibilities included developing and completing field investigation program, developing erodibility parameters, implementing a block theory assessment of abutment stability and scour resistance, and preparing a final report summarizing methods, findings, and recommendations.

MICHAEL BUGA, PG, CEG, SPRAT I (CONTINUED)

Merced Irrigation District, New Exchequer and McSwain Dam Spillway Erosion Assessments, California
Completed geologic and erodibility spillway assessments at New Exchequer and McSwain Dams. Assessments were completed to satisfy FERC and California Division of Safety of Dams (DSOD) requests following the incident at Oroville Dam in February 2017 and part of a statewide assessment of dam and spillway conditions. Project scope entailed mapping and evaluating the rock mass that comprises the spillway foundation; unlined channel; and spillway cut slopes, including assessing rock quality; susceptibility to erosion and slope failure; developing erodibility index parameters; as well as identifying any other potential critical areas needing remediation or surveillance; and generating a report documenting field effort and findings..

Diablo Dam Spillway Inspection, Washington
Completed a geologic spillway inspection at Diablo Dam on Skagit River. The inspection was completed as a follow up to a Part 12D assessment. Project scope entailed field reconnaissance evaluating the rock mass that comprises the unlined spillway, determining rock quality and susceptibility to erosion and slope failure, as well as any other potential critical areas that may need remediation or surveillance. Michael also developed a final report documenting the field effort and findings.

Skookumchuck Dam Spillway Inspection and Scour Assessment, Washington
Completed a geologic spillway inspection at Skookumchuck Dam on Skookumchuck River. The inspection was completed as a follow up to a Part 12D assessment. Project scope entailed a field reconnaissance evaluating the rock mass comprising the spillway cut slopes; determining rock quality and susceptibility to erosion and slope failure, including developing erodibility index values and modeling scour; as well as identifying any other potential critical areas that may need remediation or surveillance. Inspection and assessment results were documented in a technical report.

NON-HDR EXPERIENCE

Alaska LNG Project, Kenai, Alaska
Mr. Buga was an integral member in multiple aspects of the project including onshore and offshore geotechnical and geohazard investigation. Responsibilities included bluff mapping, field supervising vibroseismic operations, integrating field geotechnical, geologic, and geophysical data sets for site characterization, as well as collating and interpreting offshore industry seismic data, assessing and revising portions of the fault model for the Cook Inlet based on industry seismic data, and updating portions of the project seismic source model. Responsible for project reports and deliverables.

Offshore Wind Farm Psha, Taiwan
Developed an up-to-date seismic source model for Taiwan for input into a probabilistic seismic hazard analysis (PSHA) study. Responsibilities included evaluating and integrating published geologic and geophysical data and literature for seismic source characterization in and around Taiwan, developing source parameters for input into the PSHA, producing project reports and deliverables, and presentations to client.

New Champlain Bridge Project, Canada
A key member of the inspection team for installation of bridge underwater footings for the new Champlain Bridge in Montreal, Canada. Responsibilities included oversight and inspection of footing excavations and installation, documenting field activities and results of footing cleaning, and communicating observations and results to the client.

Nexus Natural Gas Pipeline, Ohio and Michigan
Duties included drill crew leader, coordination of rig mobilizations, and property access with Right of Way agents.

Katherine Caley, P.E. (NY)

SME, Consequences

Katherine Caley is a Water Resources Engineer with a focus in dam safety compliance and hydrologic and hydraulic modeling. She has assisted in developing Dam Safety Surveillance Monitoring Reports (DSSMRs), Emergency Action Plans (EAPs), Owners Dam Safety Programs (ODSPs), and dam safety training modules. She has experience working with clients to complete dam safety audits, environmental assessments, and public safety assessments. She has used the U.S. Army Corps of Engineers' HEC-RAS to develop models of dam operations and dam failures. Ms. Caley also has assisted in FERC relicensing hydropower projects and U.S. Army Corps of Engineering permitting. She has extensive experience managing regulatory and engineering projects for hydropower and water retaining structure clients throughout New York.

EDUCATION

B.S. Environmental Engineering, Clarkson University

REGISTRATIONS

Professional Engineer: NY (#099548)

INDUSTRY TENURE

13 years

RELEVANT EXPERIENCE

Stewarts Bridge Comprehensive Assessment, Brookfield Renewable, New York
Serving as Project Manager for the Stewarts Bridge Comprehensive Assessment. Assisting in the development of the Pre-Inspection Plan Report, hydrologic hazard curve, and consequence assessment. Utilizing Bureau of Reclamation Consequences Estimating Method to estimate life loss consequences associated with multiple failure scenarios of Stewarts Bridge Dam.

Conklingville Dam, Hudson River Black River Regulating District, New York
Serving as the note taker for the Conklingville Dam Comprehensive Assessment. Assisting in the development of the Pre-Inspection Plan Report, hydrologic hazard curve, and consequence assessment. Utilizing Bureau of Reclamation Consequences Estimating Method to estimate life loss consequences associated with multiple failure scenarios of Conklingville Dam.

Audit of Owners Dam Safety Program, New York State Canal Corporation, New York
Served as a member of the audit team for the external independent audit of the Canal Corporation's ODSP. Tasks included interviews with Canal Corporation and New York Power Authority management, site visits to Canal Corporation facilities and reviews of operating and maintenance records, DSSMRs, and training records. Summarized audit report findings and recommendations for submittal to NYPA and presentation to senior management.

Audit of Owners Dam Safety Program, Central Rivers Power, Nationwide
Served as Project Manager and a member of the audit team for the external independent audit of the Owner's Dam Safety Program. Tasks included interviews with field staff, dam safety personnel and executive management and reviews of operating and maintenance records, DSSMRs, and training records. Summarized audit report findings and recommendations for submittal to FERC.

OSDP External Audits, Pacificorp
Assisted with development of a dam safety audit protocol to support an external audit of the ODSP. Review consistency with FERC Guidance for External Audits.

OSDP Updates, New York State Electric and Gas Corporation and Rochester Gas & Electric, New York
Project Manager for 2017 update of RG&E's and NYSEG's Owners Dam Safety Program document. Reviewed consistency with FERC Guidance for External Audits and updated the ODSP document to incorporate recommendations.

2021 NYS Canal System Embankment Inspections, New York Canal Corporation, New York
Inspection Team Member for the ongoing NYS Canal System embankment inspections and related engineering services for the Utica/ Herkimer, West Canada Creek, Fayetteville, Caughdenoy, and Fulton segments of the canal.

Lockport Earthen Embankment Assessment, New York State Canal Corporation, New York
Project Manager for the ongoing assessment of the Lockport segment of the earthen embankment in the western portion of the Erie Canal, inclusive of structures, waste weirs, culverts, and dive culverts. Major tasks in process include project management and facility planning involving needs analysis, planning workshop, surveying, geotechnical investigation, field investigation, preliminary recommendations, and Facility Plan development.

KATHERINE CALEY, P.E. (CONTINUED)

Public Safety Risk Assessments, Confidential Client, Southeast US
Katherine is currently serving as a Task Lead for a phased public safety risk assessment for a confidential client. Phase 1 was a benchmark study of industry practices and policies regarding public safety around dams, including a review of existing guidelines, policies, and recommendations by local, federal, and state agencies, private power utilities, professional societies, and established guidelines in other countries. Phase 1 was followed by development of a draft screening procedure that was applied to two hypothetical hydropower facilities. Katherine is conducting public safety assessments at six representative hydropower facilities. The effort includes the development of quantified public safety risk assessments, recommended measures, draft and final reports, and presenting the results of the assessments.

Rainbow Falls USACE Permitting, New York State Electric and Gas Corporation (NYSEG), Essex County, New York
Assisted NYSEG with preparation of a USACE permit application for a proposed spillway resurfacing and embankment stabilization at the Rainbow Falls Hydroelectric Facility. Providing technical oversight for the USACE nationwide permit applications and assisted with agency consultations that led to the quick issuance of a nationwide permit verification letter allowing the projects to be completed during planned construction season.

Central Rivers Power, Dam Safety Training, MA, NH, SC
Project Manager for the in-person dam safety training provided at Central Rivers Power's offices in Watertown, Massachusetts; Manchester, New Hampshire; and Gaffney, South Carolina. Curriculum is based upon CEATI's dam safety training modules.

Multiple Hydroelectric Developments, EAP Reprints and Annual DSSMRs, NYSEG/RG&E, New York
Served as Project Manager for two separate tasks: 1) the full reprint of four EAPs covering 10 hydroelectric developments. Reprint tasks included updates to conform to revised FERC guidelines, development of high-flow operation summary tables, and updates to notification flowcharts. 2) development of annual DSSMRs for seven hydroelectric developments. Coordinated with the project team's engineers and the client to obtain needed information for submittal to FERC.

Multiple Hydroelectric Developments, General Dam Safety Support, Brookfield Renewable, Atlantic
Served as Project Manager for as-needed dam safety support for five hydroelectric projects. Tasks included monthly review of instrumentation readings, development of annual DSSMRs for submittal to FERC, and coordination of response to identified dam safety concerns.

Dam Safety Inspection Training for Engineers, CEATI
Assisted in the development of training materials for CEATI's Dam Safety Inspection Procedures, Guidance and Training for Engineers. Role included reviews of guidance documents and preparation of training modules.

Piedmont Inflow Design Flood (IDF) Dam Break, Central Rivers Power, Anderson and Greenville Counties, South Carolina
Developed of a dam failure model for the Piedmont Dam located on Saluda River. Duties included development of a HEC-RAS model and incremental hazard analysis to determine the dams hazard classification.

Oak Orchard Hydroelectric Project, FERC Relicensing, Brookfield Renewable, Orleans County, New York
Supported the relicensing of Brookfield Renewable's Oak Orchard Project located along the New York State Barge Canal and Oak Orchard Creek in Orleans County, New York. Assisted in preparation of the NOI and PAD/ Draft License Application (DLA) via the TLP.

Beebe Lake Dam IDF Dam Break, Cornell University, New York
Assisted in the development of a dam failure model for the Beebe Lake Dam located on Fall Creek in Tompkins County, New York. Duties included refining the geometry file within HEC-RAS Version 4.1; inserting bridges, inline structures, and the Beebe Lake Dam; and developing preliminary scenarios under varying reservoir conditions.

Eel Weir Nature-like Fishway, Brookfield Renewable, New York
Served as a member of the project team during construction of the nature-like fishway at the Eel Weir development on the Oswegatchie River. Attended biweekly status meetings and worked with the lead engineer to provide prompt feedback to the client and contractor.

Nick Dempsey, P.E.

SME, Structural

"Nick is a Senior Geostructural Engineer experienced in geotechnical, structural, and dam safety engineering with a focus on dams and hydropower structures. His experience includes geotechnical and structural evaluations of embankment, gravity, and arch dams. Nick also has experience with protective filter design, remedial grouting, tunnel and penstock inspections, assessment of laterally loaded pile foundations, and retaining wall analysis and design

EDUCATION

Master of Engineering, Geotechnics, Missouri University of Science & Technology

B.S. Civil Engineering, Wentworth Institute of Technology

REGISTRATIONS

Professional Engineer (Geotechnical):
ME (#15644)
Professional Engineer (Civil):
NY (#109273-01)
CO (#PE.0060779)
NC (#056668)
AR (#20958)

SPECIALIZED TRAINING

DLS-104

DLS-105

DLS-107

USSD Workshop: Leveraging PFMA to Perform SQRA

OSHA 10-Hour Construction

OSHA 40-Hour HAZWOPER

CPR/First Aid Certified

RELEVANT EXPERIENCE

Grant County Public Utility District, Priest Rapids FERC Part 12 Comprehensive Assessment, Washington
Project Engineer and Note Taker. Provided oversight to Junior Engineers for development of the Inspection Plan and Pre-Inspection Preparation Report (PIPR). Participated as the lead Note Taker for the PFMA and L2RA workshops. Provided oversight to Junior Engineers for the draft L2RA report and assisted in drafting the Comprehensive Assessment Report (CAR).

Wyman Part 12 Comprehensive Assessment, Brookfield Renewable, Maine
Co-Independent Consultant for the 12th FERC Part 12D inspection and reporting for the Wyman Project. He will also fill the SME roles for the Geotechnical, Seismic Hazard, and Structural disciplines. The dam safety field inspection is scheduled for August 2025.

Brassua and Ellsworth Part 12 Periodic Inspections, Brookfield Renewable, Maine
Independent Consultant for the 10th FERC Part 12D inspection for the Brassua Project and the 9th Part 12D inspection for the Ellsworth Development. The dam safety field inspections are scheduled for June 2025.

Moosehead Storage Project, Periodic Inspection, Brookfield Renewable, Maine
Provided geotechnical support for the 10th FERC Part 12D Periodic Inspection and reporting for the Moosehead Storage Project. The project features earthen embankment dams and outlet gate structures. Nick reviewed geotechnical instrumentation and provided input for the PIPR and PIR.

Indian Pond (Harris Station) Project, Periodic Inspection, Brookfield Renewable, Maine
Provided geotechnical support for the 12th FERC Part 12D Periodic Inspection and reporting for the Indian Pond Storage Project, a high-hazard potential dam. The project includes a 550-ft long concrete gravity dam, a 1,000-ft long embankment dam, and a 30-ft embankment dam. Nick reviewed geotechnical instrumentation and provided input for the PIPR and PIR.

Brookfield Renewable Energy Group, Stewarts Bridge Comprehensive Assessment, Hadley, New York
Geotechnical Engineer. Assisted in development of Inspection Plan and the CA-PIPR. Performed Seismic Hazard Analysis for the site.

Southern California Edison, Vermilion Valley Dam, Spillway Retrofit Alternatives, Fresno County, California
Structural Engineer. Assisted in development of retrofit alternatives for the Service and Emergency Spillways at Vermilion Valley Dam. Oversaw Junior Engineers in development of retrofit alternatives report.

Southern California Edison, Rush Creek Project, Dam Retrofit Alternatives, June Lake, California
Structural Engineer. Assisted in development of potential retrofit alternatives. Oversaw development of 30% Design drawings and report for preferred retrofit alternatives of the Rush Meadows, Agnew, and Gem Lake dams to address seismic stability concerns.

Portland General Electric, Faraday Diversion Dam, Spillway Stability Analysis
Geotechnical Engineer. Oversaw Junior Engineer in performance of stability analysis calculations for the spillway section of the Diversion Dam.

New Hampshire Department of Environmental Services, Merrymeeting Dam Geotechnical
Geotechnical Engineer. Oversaw Junior Engineers during geotechnical explorations for Alton, Jones, and Merrymeeting dams on the Merrymeeting River in New Hampshire. Managed the development of the Drilling Program Plan (DPP) and directed Field Engineer during geotechnical investigations.

NYPA, Court St Dam Rehabilitation, Rochester, New York
Geotechnical Engineer. Developed and coordinated geotechnical investigation program for the dam rehabilitation which includes removing existing sector gates and replacing with Obermeyer Gates. Investigation program

PROFESSIONAL MEMBERSHIPS

Association of State Dam Safety Officials (ASDSO)

United States Society of Dams (USSD)

INDUSTRY TENURE

13 Years

PUBLICATIONS

Dempsey, N., Dosanjh, K., Moen, K., Schultz, R., Greisen, L. (2022). Best Practices for Assessment of Existing Spillways. Report for CEATI International, Dam Safety Interest Group. CEATI Report No. T202700-0253.

Dempsey, et al. (2022). Targeted Grouting Remediation for Pumped Storage Power Tunnel Leakage. United States Society on Dams 2022 Annual Conference Proceeding, San Diego, CA

Dempsey, N., Mauney, L., Crowley, L., Fiedler, B. (2023 May 30). Risk Informed Remediation Alternatives Analysis of a Masonry Gravity Dam [Presentation]. 2023 ASDSO Northeast Regional Conference, Portland, ME

NICK DEMPSEY, P.E. (CONTINUED)

includes drilling of 6 holes (3 holes from a barge), packer water pressure testing of each hole, and geologic mapping. Laboratory testing program included unconfined compression and direct shear testing of rock cores.

Portland General Electric, Oak Grove Development Part 12 and PFMA, Estacada, OR
Lead Engineer and Note Taker. Oak Grove is the uppermost development on the Clackamas River Project and includes a 110-foot-tall earthen embankment dam, a modified arch dam structure, and extensive water conveyance features. Nick served as the primary note taker for the PFMA, drafted the PFMA report, and assisted in drafting the Part 12 inspection report.

Colorado Parks & Wildlife, Portfolio Risk Analysis and Prioritization, Denver, CO
Lead Engineer. Served as one of six Lead Engineers for the semi-quantitative risk assessment (SQRA) and portfolio risk prioritization of 27 high and significant hazard dams within CPWs portfolio. As Lead Engineer, Nick was tasked with taking a dam through the entire SQRA process including background review, risk workshop prep, note taking during the risk workshop, calculating and portraying risk, and drafting the risk workshop report.

Tacoma Power, 5-Year FERC Part 12D Dam Safety Inspections, Tacoma, WA
Project Engineer and primary Note Taker for 7 hydropower dams withing Tacoma Power's portfolio including Cushman 1, Cushman 2, Wynoochee, Alder, LaGrande, Mossyrock, and Mayfield Dams. The Projects are on the Cushman, Wynoochee, Nisqually and Cowlitz rivers and include concrete arch dams, embankment dams, and concrete gravity dams. There are multiple gate systems and spillways, reservoir, outlet facilities, power intake facilities, tunnel penstock and powerhouse. The Mossyrock Dam is a 606-feet-tall arch dam that was a Comprehensive Assessment (CA) which included a Level 2 Risk Analaysi (L2RA). The Mayfield Dam was a Periodic Inspection (PI), while the other five dams were traditional Part 12s. For the Mossyrock Dam L2RA Nick served as the primary notetaker on the Facilitation Team, and the primary drafter of the L2RA report. He also assisted in drafting the Part 12 report.

Oglethorpe Power, Rocky Mountain Pumped Storage Project - 2022 Part 12 and PFMA, GA
The Rocky Mountain Hydroelectric Project is a 1,095-megawatt pumped-storage hydroelectric facility consisting of 8 embankment dams and a water conveyance system consisting of a vertical shaft, power tunnel, and three penstocks. Nick participated in the field inspection and served as project engineer and primary notetaker for the comprehensive PFMA. Nick also assisted in the ODSP Audit, drafting the PFMA report and the Part 12 report.

Oroville Dam Emergency Response, California Department of Water Resources, California
Assisted the lead engineers in technical evaluations and analyses of the main spillway and emergency spillway during the emergency response to the spillway scour at Oroville Dam. Evaluations and analyses included: headcutting, stability analysis of concrete structures, and evaluations of uplift on the concrete chute. Additional duties included on-site monitoring of spillway operation.

Lake DeForest Dam, Geotechnical Investigation, Buck, Seifert & Jost/Suez Water, New York
Monitored the geotechnical investigation. Performed visual-manual identification of rock, packer testing, and piezometer installation. Designed grout mixture for borehole closures. Coordinated and assisted in development of the laboratory testing plan. Drafted the geotechnical investigation report.

Oradell Dam, Geotechnical Investigation and Stability/Stress Analyses, New Jersey
Performed liquefaction triggering analyses and assisted in the laterally loaded pile analysis for the timber piles of the spillway including calculation of internal pile stresses. Monitored the geotechnical investigation of Oradell Dam performed visual-manual identification of soil and rock, vane shear testing, undisturbed sampling, rock coring, packer testing, pocket penetrometer testing, handheld Torvane testing, and split spoon sampling. Designed grout mixture for borehole closures. Processed and reviewed change orders and requests for information. Coordinated and assisted in development of the laboratory testing plan and geotechnical report.

Hudson River/Black River Regulating District, Great Sacandaga Lake Part 12 Inspection, NY
Assistant Engineer and Note Taker. Participated in the Part 12 inspection and PFMA process for the Conklingville Dam and spillway. Conklingville Dam is a 100-foot-tall hydraulic fill embankment while the spillway consists of siphon, Dow valves, and concrete gravity overflow sections. Nick performed visual inspections of the project structures including the overflow spillway and bedrock of the power canal. Drafted inspection and PFMA reports.

Jennifer Gagnon, P.E.

PFMA/L2RA Co-Facilitator

Jenn Gagnon has 17 years of experience in water resources engineering and planning. Her technical experience includes hydrology and hydraulics analysis and modeling techniques related to hydroelectric projects, flood-flow frequency analysis, river-channel and reservoir routing, water resources planning, design of flood control and conveyance structures, and scour analysis on a variety of projects. She is an approved FERC Part 12 Independent Consultant experienced in dam failure and hazard analysis, determination of spillway adequacy, determination of PMF for determination of the IDF, preparation of inundation maps and EAPs, and dam safety inspections. Jenn has completed the DLS-103, DLS-105, DLS-107, and DLS-114 USSD and USACE trainings and is scheduled to take the DLS-113 training in December 2023.

EDUCATION

B.S. Civil Engineering, University of Vermont

REGISTRATIONS

Professional Engineer: ME #13751

Certified Floodplain Manager

SPECIALTY TRAINING

DLS-103

DLS-105

DLS-107

DLS-108

DLS-113

DLS-114

USSD Leveraging Potential Failure Mode Analysis to Perform Semi-Quantitative Risk Assessments Workshop, 2020

USSD Threshold and Action Levels Workshop, 2019

"Overtopping Protection for Dams Technical Seminar No. 20", National Dam Safety Program (NDSP), 2013

INDUSTRY TENURE

17 years

RELEVANT EXPERIENCE

Moosehead Storage Project, Periodic Inspection, Brookfield Renewable, Maine
Independent Consultant for the 10th FERC Part 12D Periodic Inspection and reporting for the Moosehead Storage Project. The project features earthen embankment dams and outlet gate structures. Confirmed that all documents were prepared in accordance with Chapter 16 of the FERC Engineering Guidelines, Dam Safety Part 12D Program

Indian Pond (Harris Station) Project, Periodic Inspection, Brookfield Renewable, Maine
Independent Consultant for the 12th FERC Part 12D Periodic Inspection and reporting for the Indian Pond Storage Project, a high-hazard potential dam. The project includes a 550-ft long concrete gravity dam, a 1,000-ft long embankment dam, and a 30-ft embankment dam. Confirmed that all documents were prepared in accordance with Chapter 16 of the FERC Engineering Guidelines, Dam Safety Part 12D Program.

Five FERC Part 12 Inspections, Brookfield Renewable, Maine
Co-Independent Consultant for the inspection, review and development of Potential Failure Modes, and reporting of the Millinocket Development, Dolby Dam, Ripogenus Dam, Millinocket Lake Dam, and North Twin Dam FERC Part 12 Inspections. Ensured that all documents were prepared in accordance with Chapter 14 of the FERC Engineering Guidelines, "Dam Safety Part 12D Program".

Dam Safety Surveillance and Monitoring Plan Updates, Southern California Edison, California
Project Manager and Lead Engineer for the development of 21 Project Dam Safety Surveillance Monitoring Plans (DSSMPs). Reviewed and developed Threshold and Action Levels for several monitoring instrumentation procedures. Reviewed Part 12 Reports, PFMA Reports, California Division of Safety of Dams (DSOD) and FERC follow-up correspondence, instrumentation data and findings relative to Potential Failure Modes (PFMs) to support updates to each of the 21 Project instrumentation monitoring plans. Ensured that all documents were prepared in accordance with Chapter 14 of the FERC Engineering Guidelines, "Dam Safety Performance Monitoring Program".

Southern and Delta Field Division Probable Maximum Flood Study Updates, California Department of Water Resources (CA DWR), California
Lead Engineer for the modeling and analysis of the PMF and wave runup study updates for two dams: Castaic Dam and Del Valle Dam. Responsible for developing the watershed hydrologic input parameters, supporting calibration of the HEC-HMS model, developing the PMF Study report, and conducting a review of the wave runup calculations. Participated in several Board of Consultant (BOC) review meetings, and coordinated with the BOC reviewers to address follow-up questions with supporting modeling and technical memos.

JENNIFER GAGNON, P.E. (CONTINUED)

Level 2 Risk Analysis, Castaic Dam, CA DWR, California
Hydrologic loading conditions Subject Matter Expert that presented to the BOCs and DSOD to summarize the PMF study methodology and results for Castaic Dam. Participated in estimating the PFMs' risk characterization. Will be conducting review and revision of the L2RA report hydrology sections in 2021.

Spillway Rock Scour Study, McSwain Dam, Merced Irrigation District, California
Senior Reviewer for the modeling and analysis of potential spillway rock scour to support the spillway condition assessment report as a follow-up analysis to the Part 12D Inspection recommendations. Utilized the Natural Resource Conservation Service's (NRCS) WinDAM and SITES erosion models to qualitatively assess and quantitatively estimate the potential for the spillway rock to scour during spillway discharge up to and including the PMF.

Level 2 Risk Analysis, Pyramid Dam, California Department of Water Resources, California
Support Engineer who provided virtual support for the hydrologic loading conditions Subject Matter Expert that attended the L2RA workshop. Developed the presentation that was given by the SME to the Board of Consultants and DSOD to summarize the PMF study methodology and results for Pyramid Dam. Reviewed and revised the L2RA report hydrology sections.

Lowell Hydroelectric Project Stability/Scour Analysis, Enel Green Power, Massachusetts
Lead Engineer responsible for the scour analysis of the Great Gatehouse and Gate Guardhouse project structures at the Lowell Hydroelectric Project. Developed a new stability analysis for the normal, flood, and post-seismic operating conditions. Erosion potential during overtopping of a center island separating the two structures was evaluated with the development of an NRCS WinDAM model. Scour analysis included the parameterization of soil characteristics based on FERC-approved test pits and corresponding lab analysis. Responsible for development of a field testing plan, erosion model, and analysis report submitted to and approved by FERC and local agencies.

Enhanced Potential Failure Mode Analysis, Southern Field Division, 4 Dams, CA DWR, California
Hydrologic loading conditions Subject Matter Expert, presenting to the BOCs and DSOD the PMF study methodology and results for Pyramid Dam, Cedar Springs Dam, Devil Canyon Second Afterbay Dam, and Lower Quail Canal Embankment during the Enhanced Potential Failure Mode Analysis (EPFMA) workshops. Developed the estimated Annual Exceedance Probability (AEP) for each of the four Projects to support the EPFMA workshop. Reviewed and revised the EPFMA report hydrology sections.

Analysis at Estling Lake Dam and Powder Mill Pond Dam, New Jersey Transit, New Jersey
Lead Engineer for the potential overtopping erosion modeling of Estling Lake Dam and Powder Mill Pond Dam. Performed NRCS WinDAM modeling to assess the potential for overtopping erosion up to and during the Inflow Design Flood (IDF).

Blue Lake Hydroelectric Project, FERC 12D Inspection, City of Sitka, Alaska
Lead Engineer for the hydrology and hydraulic project review to support preparation for the FERC Part 12D Independent Consultant's dam safety inspection. Authored the hydrology and hydraulic section of the Part 12 Inspection Report.

Glen Ferris Dam Safety Surveillance Monitoring Reports, Hawks Nest Hydro LLC, West Virginia
Senior Review of the annual Dam Safety Surveillance and Monitoring Report (DSSMR) for Glen Ferris Dam. Ensured the report was prepared in accordance with Chapter 14 of the FERC Engineering Guidelines, "Dam Safety Performance Monitoring Program".

Klamath Hydroelectric Project FERC Part 12D Dam Safety Inspection, PacifiCorp, Oregon and California
Supporting Dam Safety Inspector for the Copco No. 1 Development dam safety inspection. Note-taker for the PFMA workshop. Supporting author and reviewer of the Copco No. 1 Development Part 12 Inspection Report, PFMA Report, and STID Report. Senior Reviewer for the J.C. Boyle Development and Iron Gate Development Part 12 Inspection Reports.

Annual Dam Safety Surveillance and Monitoring Report Updates, Southern California Edison, California
Project Manager and Lead Engineer for the development of 21 Project DSSMRs and instrumentation evaluations for the 2017, 2018, 2019, and 2020 reporting periods. Reviewed

JENNIFER GAGNON, P.E. (CONTINUED)

Part 12 Inspection Reports, PFMA Reports, monthly dam safety observation checklists, California DSOD and FERC annual inspection reports and correspondence, instrumentation data, and findings relative to PFMs. Reviewed instrumentation data plots for trends and anomalies. Authored or provided Senior Review for each of the 21 DSSMRs. Ensured that all documents were prepared in accordance with Chapter 14 of the FERC Engineering Guidelines, "Dam Safety Performance Monitoring Program".

2018 EP3 Dam Safety Assessments, Brookfield Renewable, New Hampshire
Co-Inspector for the dam safety inspection of two low-hazard dams: Rangeley Dam and Errol Dam. Developed the dam safety inspection reports for both dams.

2018 EP3 Dam Safety Assessments, Brookfield Renewable, Maine
Review Engineer for the dam safety inspection of two low-hazard dams: Shawmut Dam and Lockwood Dam. Conducted a review of the dam safety inspection reports for both dams.

Owner's Dam Safety Program Dam Safety Inspection Procedures, Guidance, and Training for Plant Operators, California Department of Water Resources, California
Project Manager and Lead Engineer for the development of training materials and inspection guidance related to dam safety specifically targeted at plant operators. Served as the Lead Author responsible for two "eLearning" modules customized to Dam Safety Awareness The training was specific to CA DWR Dam Safety Services related to those sections. Served as Lead Engineer to develop three detailed training presentations following the CEATI Dam Safety Training outline, customized to one of four Field Divisions with specific Field Division projects utilized as examples. Served as Senior Reviewer for three additional Field Division training presentation sets. Co-facilitated live training presentations for each of the four Field Divisions as the basis for the Owners' dam safety training program.

Southern Field Division Probable Maximum Flood Study Updates, California Department of Water Resources, California
Lead Engineer for the modeling and analysis of the PMF and wave runup study updates for four dams: Pyramid Dam, Cedar Springs Dam, Lower Quail Embankment, and Devil Canyon Dam. Responsible for developing the watershed hydrologic input parameters, supporting calibration of the HEC-HMS model, developing the PMF Study report, and conducting review of the wave runup calculations. Participated in several BOC review meetings, and coordinated with the BOC reviewers to address follow-up questions with supporting modeling and technical memos.

Deep Creek Filter Blanket Design, Piney and Deep Creek LLC, Maryland
Lead Engineer for the erosion, sedimentation, and stormwater analysis to support the Joint Federal/State Permit for the Deep Creek filter blanket construction project. Developed the erosion and sedimentation control drawings and specifications, as well as the site grading and drainage drawing package.

Holtwood and Lake Wallenpaupack Due Diligence, Brookfield Renewable, Pennsylvania
Support Engineer for the independent engineer's due diligence to support refinancing of two hydropower plants totaling 296 MW in capacity. Attended site inspections to review both plant conditions and note potential deficiencies. Reviewed historical project data, stability analyses, previous Part 12 inspections, and PFMAs to support the site inspections and evaluate dam safety, site civil and structural features, and supported the production of a technical findings summary. Supported the development of a list of existing and potential future needs, and supported the development of a list of future civil capital expenditures to support financial evaluation. Recommendations ranged from additional anchoring to a detailed rock scour analysis of the spillway. Participated in the capital expenditure (CAPEX) prioritization meeting and supported the findings and cost opinion independent engineer report.

Oroville Dam Emergency Response, California Department of Water Resources, California
Review Engineer for a real-time analysis of the erodibility of exposed rock within the Oroville spillway chute. Provided a quality control review of the NRCS SITES erosion model that was developed as a qualitative comparison to field-verified incident erosion to estimate the potential for headcutting advancement to support further quantitative erosion evaluations.

Bear Swamp Pumped Storage Development and Fife Brook Hydroelectric Development DSSMR, Brookfield Renewable, Massachusetts
Project Manager and Lead Engineer for the updates to, and standardization of, the DSSMR in accordance with FERC Engineering Guidelines.

Daniel W. Osmun, PE

PFMA/L2RA Co-Facilitator

Dan Osmun has 33 years experience in geotechnical and embankment dam engineering including 25 years in private sector consulting and 8 years at the Bureau of Reclamation. He has performed dam safety evaluations, technical studies and investigations on many earthfill and concrete dams including Federal Energy Regulatory Commission regulated hydropower dams, US Army Corps of Engineers dams, as well as many Reclamation dams. Mr. Osmun was first approved as a FERC Part 12D Independent Consultant in 2001. He has served as a facilitator for dozens of semi-quantitative and quantitative team risk analyses, an instructor for various dam safety risk related topics, and has been a member of several expert review panels involving dam safety risk.

EDUCATION

MBA, Finance, Keller Graduate School

MS, Civil/ Geotechnical Engineering, Virginia Tech

BS, Civil Engineering, Rutgers University

REGISTRATIONS

Professional Engineer: California, #51750

PROFESSIONAL MEMBERSHIPS

Association of State Dam Safety Officials (member, workshop instructor)

United States Society on Dams (member, conference moderator, speaker)

PUBLICATIONS

Author/Co-author of over 30 papers on dam engineering, dam safety and risk analysis

INDUSTRY TENURE

33 Years

RELEVANT EXPERIENCE

Hudson River/Black River Regulating District, Great Sacandaga Lake Part 12 Comprehensive Assessment, NY
Facilitator for the 5th Part 12 inspection and PFMA/L2RA for the Conklingville Dam and spillway. The final report is due to FERC by February 3, 2025.

Oroville Dam Level 2 Risk Analysis, CA Department of Water Resources, CA
Dam Safety Risk Facilitator and Geotechnical Engineer for FERC L2RA to support FERC Part 12D for the 770 ft-high embankment – tallest dam in the United States – and two embankment saddle dams. Responsible for planning, coordination and leading several multi-day risk workshops with over 60 participants. He coordinated with FERC representatives and DWR Dam Safety Branch leadership throughout the work.

Pyramid Dam PFMA and Level 2 Risk Analysis, CA Department of Water Resources, CA
Lead geotechnical facilitator for the PFMA / L2RA workshops to support the FERC Part 12D for the 386 ft-high embankment dam. He assisted the Project Manager with planning, coordination, and leading several multi-day risk workshops with over 40 participants. Challenges involved conducting virtual workshops in 2020 and leading a large group with variable risk experience. Lessons learned and process efficiencies gained from the prior Oroville L2RA experience enabled numerous improvements to the overall process.

Skagit Project (Gorge, Diablo and Ross Dams) PFMA and Level 2 Risk Analysis, Seattle City Light, WA
Facilitation team member responsible for assisting the lead co-facilitators for large concrete arch dams to support FERC Part12D effort. Assisted with planning and coordination of over three weeks of PFMA / L2RA workshops including establishing processes to ensure efficient virtual workshops.

Scoggins Dam Joint Reservoir Expansion Project, Appraisal and Feasibility Level Design. Clean Water Services, OR
Deputy Project Manager and risk analysis facilitator and advisor responsible for facilitating team risk analysis meetings to quantitatively estimate seismic risks for a raise of the existing 151 ft-high embankment dam, a new RCC dam, and life loss consequences associated with dam failure.

Ritschard Dam PFMA and Risk Analysis, Colorado River District, CO
Served as risk facilitator and primary report author for the 2020 CDSE evaluation of Ritschard Dam, a 120-ft high rockfill dam embankment owned and operated by Colorado River District in partnership with Denver Water.

Risk Analysis Facilitator and Peer Reviewer for Embankment Dam Risk Analyses.
Served as risk analysis facilitator and peer reviewer for dozens of team risk analysis efforts. Responsible for planning workshops, coordinating with project managers and subject matter experts, and leading the team through development of potential failure modes, expert elicitation of risk estimates, and life loss estimates. Sample projects include:

- Mission Dam, MT - embankment QRA seismic issue evaluation
- Folsom Dam, CA - JFP Rock Plug Cofferdam construction risk
- Nelson Dikes, MT – embankment internal erosion QRA issue evaluation, corrective action study and construction risk (3 risk analyses)
- Twin Lakes Dam, CO – embankment and foundation QRA internal erosion issue evaluation
- Fresno Dam, MT – embankment QRA internal erosion issue evaluation
- Weber Basin Equalizing Dams, UT (17 embankment dams) - QRA seismic issue evaluation

DANIEL W. OSMUN, PE (CONTINUED)

- Pineview Dam, UT – embankment QRA internal erosion issue evaluation
- Upper Brushy Creek dams, TX (23 embankment dams SQRA) - portfolio screening and prioritization

Risk Analyses for Comprehensive Reviews (similar to PFMA / L2RA for Part 12D)
Served as primary author, subject matter expert and/or peer reviewer numerous dams. Responsible for reviewing project design, analysis and performance information and risk estimates including PFMA, event tree development and expert elicitation of quantitative probability of failure and life loss estimates.

- Jackson Lake Dam ID, CFR
- Cedar Bluff Dam KS, CFR
- Fresno Dam MT, CFR
- Nelson Dikes MT, CFR
- Vega Dam, CO, CFR
- Bass Lake Dam NC, CR
- Sims Pond Dam NC, CR
- Washakie Dam WY, CR
- Lost Creek Dam UT, CR
- Cold Springs Dam, OR, CFR
- Glen Anne Dam, CA, CFR
- New Melones Dam, CA, IE
- Crane Prairie Dam OR, CFR
- Keechelus Dam WA, CFR
- Granby Dam CO, CFR
- Keyhole Dam WY, CFR
- Vallecito Dam CO, CFR
- Price Lake Dam NC, CR
- Bonneau Dam MT, CR
- Allen Dam SD, CR
- Angostura Dam, SD, CFR
- Lauro Dam, CA, CFR
- Boysen Dam, WY, CFR

FERC regulated dams analyses, reviews and studies (various owners, various locations)
Performed various dam safety studies including stability analysis and performance evaluations on the following dams:

- Yale Dam, WA (323 ft. rockfill)
- White River Project, WA (40 ft. earthfill)
- Hebgen Dam, MT (87 ft. earth/rockfill)
- Marmot Dam, OR (57 ft. RCC gravity)
- Little Sandy Dam, OR (18 ft. concrete gravity)
- Roslyn Lake Dam, OR (45 ft. earthfill)
- North Fork Dam, OR (206 ft. concrete arch)
- River Mill Dam, OR (85 ft. concrete buttress)
- Faraday Diversion Dam, OR (55 ft. concrete gravity)
- Faraday Forebay Dam, OR (70 ft. composite embankment and RCC gravity)
- Madison Dam, MT (53 ft. timber crib)
- Milner Dam, ID (90 ft. earth/rockfill and 20 ft. concrete gravity)
- Little Falls Dam, WA (64 ft. concrete gravity)
- Flint Creek Dam, MT (55 ft. earthfill)
- Morony Dam, MT (94 ft. concrete gravity)
- Milltown Dam, MT (composite 60 ft. concrete gravity and 50 ft. timber crib)
- Swift No. 2 Dam, WA (60 ft. earthfill)
- Silver Lake Dam, MI (45 ft. earthfill).

Dam Safety Risk Instructor – courses and workshops
Served as an instructor for numerous dam safety risk training courses including Reclamation / USACE "Best Practices for Dam and Levee Safety," Reclamation's Internal Erosion Course, Reclamation's domestic and international Safety Evaluation of Existing Dams (SEED) seminars, Association of Engineering Geologists Risk Assessment Workshop (2019), USSD (2018) and ASDSO (2017 and 2020) Risk Workshops and many other technical training and case history presentations.

Embankment Dam Internal Erosion Risk Instructor, Reclamation
Served as a member of geotechnical expert team for Reclamation's first multi-day training course on internal erosion risks for embankment dams. In addition, served as instructor for dam safety risk analysis and embankment dam topics as part of Reclamation's domestic and international Safety Evaluation of Existing Dams (SEED) seminars.

Oroville Dam Embankment Seepage Study, CA Department of Water Resources, CA
Primary author of case history study of seepage and internal erosion performance of large embankment dams similar to Oroville Dam. He also served as peer reviewer for other key HDR and DWR deliverables, including the Embankment Materials Report and the Vegetated Area Report.

Trace West, PE

SME, Mechanical Engineering

Trace has 19 years of mechanical engineering experience specializing in hydropower design and field engineering. His experience has been focused on generating unit and crane/hoist/gate condition assessments and overhauls. Prior to joining HDR, Trace was at Avista Utilities, where he supported powerhouse upgrades and unit overhauls. He also has seven years of R&D mechanical engineering experience, where he was responsible for designing, installing and commissioning heavy equipment in the aluminum industry.

EDUCATION

B.S., Mechanical Engineering, University of Alaska Fairbanks

REGISTRATIONS

Professional Engineer: ID, OR, WA

INDUSTRY TENURE

19 Years

RELEVANT EXPERIENCE

California Department of Water Resources, Thermalito Diversion Dam Spillway Hoist Inspection and Assessment, California
Trace performed the 10-year radial gate FERC-required inspection for the 14 radial gates at Thermalito Diversion Dam (TDDM) and the 3 radial gates at the Thermalito Power Canal (TPC) Headworks. The inspection will include a visual assessment of the spillway gate structural members and connectors. The upstream portion of the TDDM gates will be inspected utilizing a remote operated vehicle (ROV) to visually assess submerged portion of the gates. A visual inspection of the spillway gate lifting hoist machinery and electrical power system associated with the electric hoists was performed.

PG&E Drum Spillway Hoist Inspection and Assessment, California
Trace performed an inspection and assessment of the radial gates at PG&E's Drum Spillway.

Avista Utilities, Cabinet Gorge Powerhouse Gantry Crane Upgrade, Washington
As part of the Cabinet Gorge Gantry Crane Upgrade Project, Trace was responsible for leading all mechanical design tasks and overseeing construction. During the Cabinet Gorge Unit 1 Emergency Kaplan Repair work (see dedicated PD), the powerhouse crane failed and caused a stop in work. The crane had already failed multiple times in its 65yr life. Trace worked with a crane engineer and contractor to diagnose the root cause of the failure and make design changes to ensure that it didn't fail again. During the re-design, an underlying original design calculation error was uncovered which reduced the capacity of the crane by a factor of two. The result of this error was that the crane was operating at or above its true rated capacity for all generator and turbine lifts. The work included installing new gantry drives, new main hook motor and drive system, new auxiliary hook motor and drive system, new main hook, control system, control room, paint and weigh system. Load testing of the crane was also required.

Avista Utilities, Noxon Rapids Powerhouse Gantry Crane Replacement, Montana
Trace is currently the lead mechanical engineer and project manager for a 325T crane replacement project.

Avista Utilities, Long Lake Powerhouse Bridge Crane Upgrade, WA
Trace led the upgrade of the Powerhouse Bridge Crane at the Long Lake Dam.

Confidential Client, Balance of Plant Design for new hydropower facility
Senior Mechanical Engineer. Trace is currently the lead mechanical engineer for the balance of plant system design for a new hydropower facility in the southwestern U.S. Trace is leading the design of the cooling/service/treated water systems, oil systems, draft tube air depression system, penstock filling system, powerhouse drainage system and waste water systems.

Avista Utilities, Cabinet Gorge Unit 1 Kaplan Repairs, ID
After the failure of a Kaplan Turbine at the Cabinet Gorge Dam, Trace worked with the manufacturer, maintenance personnel, Chelan County PUD and Pend Oreille County PUD to conduct a root cause analysis of the failure. This failure was identical to the failure that happened on the Chelan County PUD Rock Island B9 Unit in 2020. After the root cause analysis was completed, Trace led the redesign of the Kaplan oil head and governor oil piping and oversaw construction of the repair.

Avista Utilities, Little Falls Dam Modernization, Washington
As part of the Little Falls Dam Modernization Project, Trace was responsible for leading all mechanical design tasks and overseeing construction. The project included new horizontal Francis turbines, new turbine

TRACE WEST, PE (CONTINUED)

shafts, generator shaft rehab, rehab of Babbitt bearings, installation and alignment, new field poles, new generator stator and sole plates, concrete work, new wicket gates and bushings, new seal rings, new governor, new exciter, new control system, control system devices, cooling water system, crane upgrades, plant air and plant water systems. Four units were overhauled between 2014-2019 with a total project cost of $60M. Six Francis turbines and one turbine shaft needed reworking before they could be installed, potentially causing significant delays. Trace oversaw this work at manufacturers facilities to help expedite the process.

California Department of Water Resources, DSN TO 36 DC/PB Phase 1 Seismic Risk Inspections, California
Trace led the field work and inspection of the equipment at Devil Canyon Power Plant (DCGP) and Pearblossom Pumping Plant (PBPP). Using the information gained from the seismic walkdown, all equipment within the powerhouse and spillway is ranked for criticality and prioritization of structural evaluation.

Avista Utilities, Cabinet Gorge Dam Draft Tube Blow Down Compressed Air System, ID
Trace was the lead mechanical engineer for a project that required the design and installation of a new draft tube air depression system that was installed in the Cabinet Gorge powerhouse. Trace led the mechanical system design and oversaw construction.

Brookfield Renewables, Twin Cities and Lower St Anthony Falls Independent Engineer Assessment.
As part of the Independent Engineer Study and Report, Trace was responsible for assessing the condition of all systems and sub systems within the Twin Cites and Lower St Anthony Falls Powerhouses, reviewing past maintenance practices, and evaluating future maintenance and capital improvement plans.

Technical Advisor – Mr. Foltan

RESOLUTION TO AWARD THE WORK TO PERFORM STILLWATER DAM NINTH PART 12D INDEPENDENT CONSULTANT SAFETY INSPECTION – CONTRACT No. C022024 TO HENNINGSON, DURHAM & RICHARDSON ARCHITECTURE AND ENGINEERING, P.C., INC.

WHEREAS, the Federal Energy Regulatory Commission (FERC) requires an independent consultant safety inspection of Stillwater dam and the completion of an independent consultant safety inspection report be completed every five years; and

WHEREAS, the ninth Stillwater dam Part 12D independent consultant safety inspection report must be submitted to FERC by March 1, 2026; and

WHEREAS, recent changes to the Federal Power Act, specifically FERC's dam safety inspection program (the Part 12D Program) establish a more thorough safety review process. The previous Part 12D Program required a single independent consultant to evaluate the safety of a dam. Current regulations require a multi-disciplinary team of engineers (Independent Consultant Team) to complete a Comprehensive Assessment of a dam every ten years. A Comprehensive Assessment includes a full Potential Failure Modes Analysis, a Level 2 Risk Analysis, and a Field Inspection. Previously, the inspection and report submission were completed in approximately 3 to 6 months. The Comprehensive Assessment-based safety program requires development of a Part 12D Inspection Plan, selection and approval of the Independent Consultant Team, development of a Pre-Inspection Preparation Report, in-field Safety Inspection, Potential Failure Modes Analysis, Risk Analysis, and a Comprehensive Assessment Report. The 9th Part 12D Report for the Stillwater Reservoir Project (FERC No. P-6743) must meet the Comprehensive Assessment-based safety program requirements.

WHEREAS, the Hudson River – Black River Regulating District selected the three (3) most highly qualified firms from the annual statement of qualifications received for consideration to perform the Stillwater dam ninth Part 12D independent consultant safety inspection work; and

WHEREAS, after careful evaluation of the three (3) qualifications pursuant to the Regulating District's annual statement of qualifications – project based evaluation procedures, staff determined that Henningson, Durham & Richardson Architecture and Engineering, P.C., Inc. (HDR) is the most qualified firm to perform the Stillwater dam ninth Part 12D independent consultant inspection work and report; and

WHEREAS, having been determined to be the most qualified to perform the Stillwater dam ninth Part 12D independent consultant safety inspection work and report, the chief engineer recommends the Board award the work to Henningson, Durham & Richardson Architecture and Engineering, P.C., Inc. (HDR); and

WHEREAS, HDR's scope of services includes the Comprehensive Assessment required, document review, and development of a Part 12D inspection report for a not to exceed fee of $379,500.00; and

WHEREAS, staff recommends that the Board authorize the executive director to execute contract C022024 in an amount not to exceed $379,500.00; and

NOW THEREFORE BE IT RESOLVED THAT, the Board of the Hudson River – Black River Regulating District authorizes the executive director to form a contract C022024 accepting HDR's proposal for a not to exceed price of $379,500.

BE IT FURTHER RESOLVED, that the Board does hereby authorize the following transfer in the Fiscal Year 2024-25 budget:

Account Number	Account Name	Increase	Decrease
5695-0700	Engineering Consultant	97,306	
5650-0700	Repairs to Structures		97,306

Approved as to form:

_____

Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs._____that the Resolution be approved.

Present and voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle……	____	_____	_____
Mr. Hayes……	____	_____	_____
Mr. DeWitt……..	____	_____	_____
Mr. Bird……..	____	_____	_____
Mr. Candido……	____	_____	_____
Mr. Reagan……..	____	_____	_____
Ms. Allen..……..	____	_____	_____

To: Members of the Board
From: Robert Leslie, General Counsel
Re: General Counsel's Report to the Board
Date: Prepared August 28, 2024 for the September 10, 2024 Meeting

Acting as Board Secretary, Counsel addressed issues pertaining to the conduct of the September 10, 2024 Board Meeting; including overseeing preparation of agendas, the board packets, meeting space, etc. Counsel worked with the Executive Director and staff to anticipate issues which could arise as the Board holds the regular monthly meeting in-person and on-line.

Mr. Leslie continues to engage with the General Recoveries Unit of the OAG's Civil Recoveries Bureau regarding the commencement of an affirmative case seeking redress against Erie Boulevard Hydropower, L.P. in the state and/or federal court system. Counsel and the OAG concur that Erie's April 15th response to the General Recoveries Unit's March 15th demand failed to address the nature of the OAG's forthcoming complaint. The OAG continues to engage Erie's outside counsel to discuss, without success, a meaningful resolution to the dispute. Nonetheless, unless such discussions prove fruitful, and barring Erie's payment of the more than $2,503,000 now due, the Bureau has indicated a willingness to go forward with a Summons and Complaint. Mr. Leslie noted that Erie's ninety day window to offer a substantive response to the General Recoveries Unit of the OAG's Civil Recoveries Bureau's March 15th demand letter has expired and that any recovery will trigger the twenty-two percent (22%) fee due to that office.

The Regulating District is now the owner of the hydroelectric plant adjacent to the Stillwater Reservoir. The sale of the plant from Stillwater Associates LP to the Regulating District closed on June 26th. Stillwater Associates has assigned the Power Purchase Agreement with National Grid to the Regulating District. Counsel and the Executive Director continue to work with Northern Power and Light, the winning bidder for the RFP, to finalize an enforceable lease and operation agreement. As of this writing, NP&L has agreed to the terms of the Lease Agreement and an Assignment of the of the Power Purchase Agreement from the Regulating District to NP&L. They await only the Certification of Insurance before executing same and commencing to generate. NP&L's proposed $50,000 annual lease payment falls in line with the lease payments estimated in the appraisals commissioned to establish Fair Market Value in connection with the sale from Stillwater Associates to the Regulating District.

Counsel provided advice and counsel on various contracting, contract payment, bonding and permitting matters; including modifications to a Commercial Permit to address safety concerns and an unauthorized retaining wall. Counsel also addressed several wide-ranging FOIL Requests and several staff requests for Outside Activity approvals during the reporting period.

To: Members of the Board & Sr. Staff

From: Stephanie V. Ruzycky, Director of Administrative Services

Re: Report to the Board

Date: Prepared August 23 for the September 10, 2024 Meeting

Highlights

- Compliance Management – performed BRAO and HRAO compliance audits.
- Access Permit Database Management.
- HR – managed employee recruitment process, conducted seasonal laborer interviews, and provided on-boarding.
- Submitted OPDV annual report.
- Risk Control and Loss Analysis meeting with NYSIF.
- Attended GreenNY Meetings.
- Submitted agency employment tracking reports to Executive Chamber.
- Managed implementation of the New York State brand.

MWBE and SDVOB Administration

- Attended MWBE meetings.
- Attended MWBE Regional Expo.
- Submitted MWBE reports.
- Submitted SDVOB reports.
- MWBE/SDVOB state contract and directory product sourcing.

Procurement

Procurement/Contract(s) Activity

- Indian Lake EFC sign - Charles Signs (MWBE).
- Herc equipment lease – tornado damage clean-up.
- Interactive Media Consulting, LLC (IMC) contract – approved and signed (MWBE).

Information Technology Management

- Consulted with Interactive Media Consulting, LLC (IMC) on permit renewal applications and permit database, new server, and webcam options.
- Addressed and resolved computer and equipment technical issues.
- Social media content development.

Public Authority Reporting

As a reminder, pursuant to Public Authority Law §2879 the Board must review and approve Procurement Contracts annually. The Contract Reports provided in the Board Meeting packet each month satisfies this requirement.

NON-LEGAL CONTRACT STATUS - as of 08/31/2024

Contract Number	Contract Name	Proc Type	Ins Date	Contract Period	Date Approved AG's Office	Date Approved OSC	Contract NTE Amount	Contract Expenditures	Contract Balance
C012012	Hawkinsville Dam Remediation &	RFQ	WC-05/01/25	4/16/13-12/31/18	6/20/2013	9/26/2013	$ 90,980		
	Removal Alternatives Assessment		D-05/17/24	Amendment # 1	9/22/2014	10/30/2014	$ 6,770		
	Kleinschmidt Associates			Amendment #2	approved	1/16/2015	$ 69,500		
				Amendment #3	7/26/2018	9/12/2018	$ 19,514		
				Amendment #4 (ext 12/31/2021)	1/8/2020	1/27/2020			
				Amendment #5	4/10/2020	5/5/2020	$ 216,564		
				Amendment #6 (NTE $223,564 12/31/22)	3/1/2022	3/10/2022	$ 223,564		
				Amendment #7 (NTE $239,964 12/31/23)	8/17/2022	8/22/2022	$ 239,964		
				Amendment #8 (NTE $274,964 12/31/23)	9/30/2022	10/7/2022	$ 274,264		
				Amendment #9 (increase 283,500)	1/27/2023	2/6/2023			
				Amendment #10 (ext 12/31/2024)	1/17/2024	2/12/2024	$ 557,764	$ 557,299	$ 465
BRAO	Office of General Services Lease	State	n/a	8/1/2021-**7/31/2024**		n/a	$ 29,520	$ 27,060	$ 2,460
	317 Washington Street								
C022012	HDR - Stillwater Dam Breach Analysis	RFQ	WC-06/01/5	06/10/2014-12/31/2018	8/13/2014	9/24/2014	$ 28,000		
			D-12/31/24	Amendment #1	11/10/2015	1/11/2016	$ 8,750		
				Amendment #2	6/12/2018	6/28/2018	$ 22,000		
				Amendment #3 (Ext - 12/31/2020)	12/3/2018	2/11/2019			
				Amendment #4 ($28,500)	12/3/2018	2/11/2019	$ 28,500		
				Amendment #5 ($65,000 ext 12/31/2023)	11/19/2021	11/23/2021			
				Amendment #6 (Ext - 12/31/2026)	12/20/2023	12/29/2023	$ 65,000	$ 150,723	$ 1,527
	USGS - (Gauge Services)	n/a	n/a						
				7/1/2024 - **6/30/2027**			$ 571,890	$ 38,520	$ 533,370
	Fiscal Advisors and Marketing Inc.	n/a	n/a	Contract Amendment (increase $26,500)					
					n/a	n/a	$ 41,125	$ 13,031	$ 28,095
C032013	Bergmann Associates, Inc. PC	RFQ	WC-03/01/24	4/8/2014-12/31/2018	6/19/2014	7/29/2014	$ 169,156		
	1st Eng. Study - Indian Lake		D-Indefinite	Amendment #1	11/7/2014	12/4/2014	$ 9,420		
				Amendment #2	1/9/2017	1/27/2017	$ 119,890		
				Amendment #3	4/3/2018	4/26/2018	$ 7,335		
				Amendment #4 (ext - 12/31/21)	2/26/2019	3/20/2019			
				Amendment #5 (ext -12/31/25 & NTE)	9/27/2021	10/8/2021			
				Amendment #6 Increase $929,186.00	1/31/2024	2/27/2024	$ 2,574,179	$ 1,944,603	$ 629,576
C062016	Arcadis - Old Forge/Sixth Lake Recommendation for Remedial Measures	RFQ	WC-10/01/24 D-01/01/24	NTP - 09/30/2022	2/20/2018	4/27/2018	$ 1,008,000	$ 809,649	$ 198,351
				Amendment #1 (Ext 12/31/25)	10/20/2023	11/4/2023			
C032018	HDR - Conklingville Dam 4th Part 12	RFQ	WC-06/01/25	NTP-12/31/2025	N/A	N/A	$ 126,554	$ 120,954	$ 5,600
			D-12/31/24	Amendment #1 (NTE 69,050)	11/12/2019	11/27/2019			
				Amendment #2 (NTE 148,840)	4/6/2021	4/14/2021			
				Amendment #3 (NTE 162,840)	3/17/2022	3/24/2022			
				Amendment #4 (NTE 179,840)	4/21/2023	5/3/2023			
				Amendment #5 (ext 12/31/2025)	12/18/2023	12/21/2023			
C012020	HDR - Stillwater Dam 8th Part 12 Safety Inspection	RFQ	WC-06/01/25 D-12/31/24	03/10/2020 - **12/31/2024**	6/12/2020	6/25/2020	$ 39,200	$ 38,929	$ 271
				Amendment #1 (Increase NTE $39,200)	1/12/2023	1/24/2023			
C022021	MJ Engineering - Conklingville Dam LiDAR Survey	RFQ	WC-09/01/23 D-12/31/23	07/01/2021 - **12/31/2024**	8/27/2021	9/17/2021	$ 19,500	$ 19,500	$ -
				Amendment #2 Ext (06/30/2027 NTE $42,000)					
D012022	The Environmental Services Group (NY) Inc - Hawkinsville Dam	IFB	WC-07/24/24 D-12/31/23	07/15/2022 - **12/31/2023**	6/29/2022	7/13/2022	$ 2,305,369	$ 2,284,643	$ 20,726
				Amendment #1 (NTE $2,305,369)	5/16/2023	5/31/2023			
D022022	CME Associates Inc - Hawkinsville Dam Material Testing	RFP	WC-01/01/24 D-01/01/24	07/15/2022 - **12/31/2023**	8/17/2022	N/A	$ 29,909		$ 24,339
C012023	HDR - Conklingville Dam 5th Part 12D	RFQ	WC -06/1/25 D- 12/31/24	11/07/2023 - 12/31/2026	1/17/2024	2/12/2024	$ 369,500	$ 31,778	$ 337,722
C022023	Gomez & Sullivan - Conklingville Dam Inundation Mapping	RFQ	WC -03/18/25 D-03/18/25	11/01/2023 - 12/31/2026	1/25/2024	2/28/2024	$ 44,400		
Totals							$ 9,316,081	$ 3,480,828	$1,444,781

MWBE CONTRACTS STATUS - as of 08/31/2024

Contract Number	Contract Name	MWBE Type	Contract Period	Contract NTE Amount	MWBE Utilization Current QTR	Contract MWBE Utilization	AG Approved	Contract Expenditures	Contract Balance
C012012	Hawkinsville Dam Remediation &		4/16/13-12/31/18	$ 90,980					
	Removal Alternatives Assessment		Amendment # 1	$ 6,770					
	Kleinschmidt Associates		Amendment # 2	$ 69,500					
			Amendment #3 (Ext 12/31/19)	$ 19,514					
	Shumaker	WBE Sub	Amendment #4 (Ext 12/31/2021)			$ 22,456			
	Landmark Archaeology	WBE Sub	Amenndment #5	$ 29,800					
			Amendment #6 (NTE $223,564 12/31/22)	$ 7,000			3/1/2022		
			Amendment #7 (NTE $239,964 12/31/23)	$ 16,400			8/7/2022		
			Amendment #8 (NTE $274,264 **12/31/23**)	$ 34,300			9/30/2022		
			Amendment #9 (increase $283,500)	$ 283,500			1/26/2023		
			Amendment #10 Ext - 12/31/2024				1/3/2024	$557,299	$ 465
			4/8/14-12/31/18	$ 169,156					
C032013	Bergmann Associates, Inc. PC		Amendment # 1	$ 9,420					
	1st Eng. Study - Indian Lake		Amendment # 2	$ 119,890					
	NTE $1,644,993.		Amendment # 3	$ 7,335		$ 33,520			
			Amendment # 4 Ext only - 12/31/21						
	Prudent	WBE Sub	Amendment # 5 Increase & Ext - **12/31/25**	$ 1,339,192			9/27/2021		
			Amendment #6 increase $929,186	$ 2,574,179			1/31/2024	$ 1,944,603	$ 629,576
Totals				**$ 4,776,936**	**$ -**	**$ 55,976**		**$ 2,501,902**	**$ 630,041**
						1.17%			

LEGAL SERVICES CONTRACTS STATUS - as of 08/31/2024

Contract Number	Firm	Contract Name	Contract Period	Date Approved AG's Office	Date Approved OSC	Contract Amount	Expended to Date	Remaining Funds
C012022	Harris Beach, PLLC	Bond Counsel Services	04/01/2022 - 2024 w/ two one year ext option	4/28/2022				
			Amendment #1 (increase NTE $45,000)	7/14/2023				
			A#2 (NTE $60,000 and ext 04/01/2025)	4/25/2024		$60,000.00	$42,369.39	$17,630.61
Totals						**$ 60,000**	**$ 42,369**	**$ 17,631**

Hudson River – Black River Regulating District

KATHY HOCHUL
Governor

MARK M. FINKLE
Chairman

JOHN C. CALLAGHAN
Executive Director

To: Members of the Board and Senior Staff
From: Timothy M. Maniccia, CFO
Re: CFO Report to the Board
Date: Prepared August 29, 2024 for the September 10, 2024 Meeting

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District Fiscal Outlook Highlights

Fiscal Summary

For the month ending August 31, 2024, bank deposits and investments for the Hudson River Area (HRA) and Black River Area (BRA) totaled $5,393,328 and $1,406,225, respectively. When combined (totaling $6,799,553), this amount is $3,045,206 or 30.9% less than the same period last year.

Year-to-date Regulating District Expenses exceeded Revenue by $397,128. This amount is $1,554,803 more than the Jul-Aug 2023 period. Not collecting nearly $264,000 from Erie Boulevard Hydropower that the Regulating District would have collected during the first two months of this fiscal year had the agreement been renewed is a driver of this variance. The Regulating District's continued Pay-As-You-Go financing of the Indian Lake Dam Rehabilitation project (see payments to CD Perry and Bergmann/Colliers below) and timing of Assessment receipts explain the remaining negative variance.

District transactional processing and reporting were completed in an accurate and timely fashion.

Reporting

Monthly financial forecasts and cash flow reports are attached for the Board's review. Status of Fiscal 2024-25 county/state/federal and hydro assessments are:

- Received $32,546 to date in the BRA.
- Received $1,368,920 to date in the HRA.

Administration/State Reporting/Sourcing

The Regulating District is current in its reporting to the Authorities Budget Office (ABO) and other State agencies.

Current Period Significant Disbursements

Significant disbursements for July and August included: Biweekly Payroll (on July 3, 17 and 31 and August 14 and 28 totaling $367,497.87), Health Insurance (for July, August and September, totaling $318,191.31), CD Perry (totaling $982,947.23), Bergmann/Colliers (totaling $168,529.53) and Arcadis (totaling $29,769.66).

Other

The Regulating District fulfilled its obligation on the Conklingville Dam financing arrangement with the New York State Environmental Facilities Corporation (EFC) by making the September 1 principal and interest payments on time and in full.

At its August 22 meeting, the EFC Board approved the Regulating District's financing for the Indian Lake Dam Rehabilitation project. The short-term financing arrangement must now be approved by the Public Authorities Control Board at its September 10 meeting. If approved, the Regulating District will seek to execute the required documents in the weeks that follow so that it can begin seeking reimbursement for a portion of the more than $3.7 million that it has spent so far on the project. Based on the actions taken by the Regulating District Board at its April 9, 2024 meeting (adopting Resolution 24-22-04), no further official action is needed by the Board at this time.

The balance of the month was devoted to other financial, procurement, internal control and administrative activities.

HRBRRD - Summary of Key Financial Data
Fiscal Year 2024-25
Year to Date: August 31, 2024

Assessments Receivable

	To Date		Uncollected			
	$ Billed	$ Rec'd	$	%	# Payers	Amount
Hudson River Area						
Current Year	**3,561,910**	**1,368,920**	**2,192,990**	**61.6%**		**$ -**
* Previous Years	2,638,048	1,320,004	$ 1,318,044		**State Share 09-12**	
Black River Area						
Current Year	**1,999,207**	**32,546**	**1,966,661**	**98.4%**	**2**	**$ -**
* Previous Years	115,321		$ 115,321			

* see attached report

Cash & Investments

	Funds - Not Reserved				Funds - Reserved **			Funds - Totals		
	Checking	M&T/Money Mkt	NYS STIP	Total Not Reserved	Sentinel Unrestricted	Sentinel Restricted	STIP Carry Over	Total Reserved	Total Funds	% Reserved
Hudson River Area *	597,851	174,771	4,620,707	**5,393,328**	-	-		**-**	**5,393,328**	0.0%
Black River Area	187,009		1,219,216	**1,406,225**				**-**	**1,406,225**	0.0%
Total District	**$ 784,859**	**$ 174,771**	**$ 5,839,923**	**$ 6,799,553**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 6,799,553**	**0.0%**

* The assets of General Board and Hudson River Area operations are consolidated for accounting and reporting purposes.

Budget Analysis : 2023-24

	Revenues			Personnel & Benefit Expenses			All Other Expenses			Total Expenses		
	Budgeted	To Date	% to Date	Budgeted	To Date	% to Date	Budgeted	To Date	% to Date	Budgeted	To Date	% to Date
General Board	-			1,882,575			257,374			2,139,948		
Hudson River Area	14,205,256	1,432,117	10.08%	1,254,916	578,571	18.4%	10,264,940	1,106,281	10.5%	11,519,856	1,684,852	14.6%
Black River Area	2,189,207	38,399	1.8%	727,383	132,511	18.2%	792,187	50,282	6.3%	1,519,570	182,793	12.0%
Consolidated Gross	**$ 16,394,462**	**$ 1,470,517**	**9.0%**	**$ 3,864,874**	**$ 711,082**	**18.4%**	**$ 11,314,501**	**$ 1,156,563**	**10.2%**	**$ 15,179,375**	**$ 1,867,645**	**12.3%**

* ***The budgets of General Board and Hudson River Area operations are consolidated for accounting purposes. General Board expenses are allocated as charges to Hudson River Area and Black River Area operations.***

GB Allocation

Fiscal Year	2024-25	2025-26	2026-27
HRA	88.35%	68.50%	74.33%
BRA	11.65%	31.50%	25.67%
Total	**100.00%**	**100.00%**	**100.00%**

HRBRRD - Summary of Key Financial Data
Fiscal Year 2024-25
Year to Date: August 31, 2024

Assessments Receivable

		$ Billed	$ Rec'd	Unpaid $	Unpaid %
Hudson River Area					
	Current Year	3,561,910	1,368,920	2,192,990	61.6%
	Previous Years				
Black River Area					
	Current Year	1,999,207	32,546	1,966,661	98.4%
	Previous Years				

Payers	$	# Parcels	Remarks
	-		
	-		
	$ -		
Hydro Dev	-		Collection by county expected
Lewis Co			
Oneida Co,.			
Ampersand Hydro	-		4 monthly payments beginning April 2018
Climax Mfg. Corp., Paper Bd. Div.			Filed Chapter 11 turned into county
Total Past Due	$ -		

(1) **Previous Years**

BR	**115,321**
HR	**-**

County	BR	Year	Amount	Amount	Notes
Lewis	VE Zehr	1996-15	38,039	38,039	uncollectible
Lewis	Beaverite Prod	2007-08	3,543		uncollectible
Lewis	Beaverite Prod	2008-09	3,543		uncollectible
Lewis	Beaverite Prod	2009-10	3,320		uncollectible
Lewis	Beaverite Prod	2010-11	3,320		uncollectible
Lewis	Beaverite Prod	2011-12	3,320		uncollectible
Lewis	Beaverite Prod	2012-13	4,532		uncollectible
Lewis	Beaverite Prod	2013-14	4,532		uncollectible
Lewis	Beaverite Prod	2014-15	4,532		uncollectible
Lewis	Beaverite Prod	2015-16	4,457	35,100	uncollectible
Jefferson	Brownville Specialty	2010-11	4,762		uncollectible
Jefferson	Brownville Specialty	2011-12	4,762		uncollectible
Jefferson	Brownville Specialty	2012-13	6,501		uncollectible
Jefferson	Brownville Specialty	2013-14	6,501		uncollectible
Jefferson	Brownville Specialty	2014-15	6,501		uncollectible
Jefferson	Brownville Specialty	2015-16	6,394	35,421	uncollectible
Lewis	Croghan Island Mill	2013-14	2,266		uncollectible
Lewis	Croghan Island Mill	2014-15	2,266		uncollectible
Lewis	Croghan Island Mill	2015-16	2,229	6,761	uncollectible
	BRA Total		**$ 115,321**	**$ 115,321**	

HR

HRA Total	**$ -**
State Share 09-12	**$ 2,638,048.00**
recd 4/1/13	158,417.00
recd 4/1/14	81,858.00
recd 4/1/15	199,620.00
recd 4/1/16	146,722.00
recd 4/1/17	146,078.00
recd 4/1/18	147,094.00
recd 4/1/19	44,037.00
recd 5/1/20	223,470.00
recd 4/1/21	172,708.00
recd 4/1/22	0.00
recd 4/1/23	0.00
recd 4/1/24	0.00
State Balance Due	**$ 1,318,044.00**
Total HRA A/R	**$ 1,318,044.00**

Upon satisfaction of State balance, Difference between amount received from state less amount of State share (22.18%) will become pre-assessment income in subsequent year.

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

August 2024

		GOF TOTALs
Beginning Balance of Report	$	**226,330.61**

Date	Description of transactions made end of Feb not on last report	Amount
8/1/2024	In Person Credit Card payment Multiple fees	$505.00
8/2/2024	Other Permit fees in person credit card payment	$15.00
8/5/2024	In Person Credit Card payment Multiple fees	$505.00
8/5/2024	STIP deposit	$658,069.50
8/6/2024	Other Permit fees in person credit card payment	$30.00
8/7/2024	Other Permit fees in person credit card payment	$15.00
8/8/2024	Other Permit fees in person credit card payment	$30.00
8/14/2024	STIP deposit	$130,933.17
8/19/2024	In Person Credit Card payment Multiple fees	$715.00
8/20/2024	In Person Credit Card payment for New Permit fees	$630.00
8/21/2024	New Checks deposited	$2,870.00
8/21/2024	Checks- other - deposited	$775.00
8/22/2024	CASH Other	$315.00
8/22/2024	STIP deposit	$586,766.22
8/23/2024	STIP deposit	$18,940.72
8/26/2024	Other Permit fees in person credit card payment	$15.00
8/27/2024	Erie Blvd Brookfield Headwater benefit payment by ACH to BOA	$365,100.00

Total Deposit	$1,766,229.61	
Total Deposits and beginning balance :	$	1,992,560.22

Transaction Number	Disbursements for the Month	Amouint
32	08.14.24 regular payroll	$ 75,690.38
33	54 State Street	$ 4,760.64
34	CD Perry LLC	$ 572,265.76
35	LogicalNet	$ 3,183.40
36	R&J Sheet Metl Distributors Inc	$ 507.00
37	WEX Bank	$ 1,662.32
38	A. Gary's Treasures	$ 360.00
39	Airgas USA LLC	$ 300.00
40	County Waste	$ 272.06
41	H&M Equipment	$ 437.74
42	Harris Beach PLLC	$ 22,176.00
43	NYS Health Insurance (Sept)	$ 105,391.51
44	Home Depot	$ 691.72
45	IMC	$ 558.75
46	Mirabito	$ 745.39
47	08.28.24 regular payroll	$ 74,125.29
48	Bergmann (Colliers) Engineering	$ 87,256.63
49	CD Perry LLC	$ 410,681.47
50	HDR Engineering	$ 12,326.37
51	LogicalNet	$ 665.00
52	Mirabito	$ 559.38
53	Repeat Business	$ 1,152.08
54	54 State Street	$ 4,760.64
55	Albany Parking Authority	$ 735.00
56	CSEA EBF	$ 9,145.88
57	Petty Cash	$ 2,699.20
58	Steel Pines LLC	$ 1,600.00
	Total Disbursements	$ 1,394,709.61

Ending Balance for month	**$**	**597,850.61**

PETTY CASH RECAPITULATION SHEET

for period August 2024

	CHECK #	DATE ISSUED	VENDOR	DESCRIPTION	AMOUNT
8-1	12681	8/2/24	Frontier	518-696-3215 CV	$ 207.99
8-2	12682	8/2/24	National Grid	3838 N Shore Rd CV	$ 17.65
8-3	12683	8/2/24	Frontier	CV: 518-696-5191 $97.47, 6964632 $102.61, 6964634 $102.61	$ 302.69
8-4	12684	8/14/24	Allen & Palmer True Value	Vehicle Gas & Oil SFO	$ 8.69
8-5	12685	8/14/24	A. White & Son's Inc	Other Materials CV	$ 63.98
8-6	12686	8/14/24	B&B Equipment Co.	Equipt Parrts SFO: $108.40, $99.98, $149.64	$ 358.02
8-7	12687	8/14/24	FirstLight Fiber	Data Communications GB	$ 237.00
8-8	12688	8/14/24	Frontier	518-648-0585 IL	$ 117.53
8-9	12689	8/14/24	Leaf	Equipment Rental SFO	$ 126.57
8-10	12690	8/14/24	Lake Luzerne Auto Parts	Vehicle Oil CV	$ 37.22
8-11	12691	8/14/24	The Hardware Store	CV: Other materials $5.29, $9.79, $11.27	$ 26.35
8-12	12692	8/14/24	Mangino Chevrolet	Vehicle Repairs SFO	$ 165.36
8-13	12693	8/14/24	National Grid	Hope Wells Rd SFO $20.68; Outdoor lighting at CV $39.76	$ 60.44
8-14	12694	8/14/24	NYS Thruway Authority	Travel & Meetings GB	$ 4.90
8-15	12695	8/14/24	R. H. Crown CO.	Other Supplies SFO	$ 174.71
8-16	12696	8/14/24	Running Supply Inc	Other Supplies SFO	$ 56.73
8-17	12697	8/14/24	Spectrum Enterprise	233 Cty Rt8 CV #142621801	$ 129.99
8-18	12698	8/14/24	Spectrum Enterprise	233 Cty Rte8 #8358211880027986	$ 133.93
8-19	12699	8/14/24	Verizon Wireless	Cell Phone service SFO 31.24,CV $31.24, GB $ 93.72	$ 156.20
8-20	12700	8/21/24	Bobcat of Gloversville/Johnstown	Equipment Parts-SFO	$ 28.60
8-21	12701	8/21/24	Crystal Rock LLC	Other Materials CV	$ 20.48
8-22	12702	8/21/24	Elavon Key Bank	Bank Charges SFO $10.00, $40.25	$ 50.25
8-23	12703	8/21/24	Frontier	518-924-2201 SFO	$ 95.33
8-24	12704	8/22/24	Repeat Business Systems	Equipment Rental SFO	$ 102.61
8-25	12705	8/22/24	Running Supply Inc	Vehicle Gas 7 Oil SFO	$ 15.98

TOTAL for page **$ 2,699.20**

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

GENERAL BOARD

August-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0500	Salaries - Permanent	$1,042,559.00	$1,042,559.00	$200,115.89	$842,443.11	19.19
5020-0500	Salaries - Temporary	$0.00				#DIV/0!
5040-0500	Salaries - Longevity	800.00	$800.00		800.00	0.00
5050-0500	Salaries - Buyback	6,400.00	$6,400.00		6,400.00	0.00
5060-0500	Salary Contingency	0.00	$0.00		0.00	0.00
5070-0500	Pension & Retirement	175,310.00	$175,310.00		175,310.00	0.00
5080-0500	Health Insurance	502,786.00	$502,786.00	116,707.08	386,078.92	23.21
5085-0500	Dental Insurance	44,168.00	$44,168.00	9,249.66	34,918.34	20.94
5090-0500	Vision Care	6,451.00	$6,451.00	1,512.00	4,939.00	23.44
5100-0500	Social Security	65,085.00	$65,085.00	12,040.78	53,044.22	18.50
5120-0500	Medicare	15,222.00	$15,222.00	2,815.95	12,406.05	18.50
5130-0500	Workers' Compensation	23,794.00	$23,794.00		23,794.00	0.00
5140-0500	Salaries - Vacant Positions		$0.00		0.00	0.00
	Total:	$1,882,575.00	$1,882,575.00	$342,441.36	$1,540,133.64	18.19
CODE II - CAPITAL EXPENDITURES						
5210-0500	Computer Equipment	$6,000.00	$6,000.00		$6,000.00	0.00
5215-0500	Office Equipment	547.00	$547.00		547.00	0.00
5220-0500	Vehicles	0.00	$0.00		0.00	0.00
5230-0500	Other Equipment	0.00	$0.00		0.00	0.00
5240-0500	Public Relations Equipment	0.00	$0.00		0.00	0.00
	Total:	$6,547.00	$6,547.00	$0.00	$6,547.00	0.00
CODE III - MATERIALS AND SUPPLIES						
5310-0500	Computer Supplies	$656.00	$656.00		$656.00	0.00
5315-0500	Computer Software	4,253.00	$4,253.00	12.99	4,240.01	0.31
5325-0500	Office Supplies	1,582.00	$1,582.00	462.05	1,119.95	29.21
5330-0500	Other Materials & Supplies	284.00	$284.00		284.00	0.00
5340-0500	Vehicles Gas & Oil	1,955.00	$1,955.00	59.31	1,895.69	3.03
5345-0500	Vehicles Repairs & Parts	284.00	$284.00		284.00	0.00
5350-0500	Equipment Repairs & Parts	284.00	$284.00		284.00	0.00
5370-0500	Public Relations Supplies	0.00	$0.00		0.00	0.00
	Total:	$9,298.00	$9,298.00	$534.35	$8,763.65	5.75
CODE IV - CONTRACTUAL SERVICES						
5610-0500	Utilities	$5,983.00	$5,983.00	$1,495.68	$4,487.32	0.00
5620-0500	Postage	852.00	$852.00	529.55	322.45	62.15
5630-0500	Printing	360.00	$360.00		360.00	0.00
5640-0500	Advertising	886.00	$886.00		886.00	0.00
5660-0500	Rent	65,324.00	$65,324.00	14,991.24	50,332.76	0.00
5670-0500	Insurance	40,366.00	$40,366.00		40,366.00	0.00
5680-0500	Dues, Subscrips & Inf Services	3,060.00	$3,060.00	417.93	2,642.07	13.66
5690-0500	Computer Consultant	27,472.00	$27,472.00	3,848.40	23,623.60	14.01
5691-0500	Accounting Audit & Consulting	40,000.00	$43,660.00		43,660.00	0.00
5693-0500	Insurance Consultant	0.00	$0.00		0.00	#DIV/0!
5694-0500	Public Relations Consultant	0.00	$0.00		0.00	0.00
5695-0500	Engineering Consultant	0.00	$0.00		0.00	0.00
5696-0500	Legal Services and Consultants	0.00	$0.00		0.00	0.00
5697-0500	Cons./Benefits	750.00	$750.00	700.00	50.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

GENERAL BOARD

August-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE IV - CONTRACTUAL SERVICES (Cont'd.)						
5700-0500	Training & Education	$1,061.00	$1,061.00		$1,061.00	0.00
5710-0500	Travel & Meetings	13,018.00	$13,018.00	242.75	12,775.25	1.86
5720-0500	Public Relations - Newsletter	0.00	$0.00		0.00	0.00
5725-0500	Public Relations - Webcasting	0.00	$0.00		0.00	0.00
5727-0500	Public Relations - Public Info	0.00	$0.00		0.00	0.00
5760-0500	Premises Maint., Repairs, Cleaning	0.00	$0.00		0.00	0.00
5730-0500	Interest Expense	0.00	$0.00		0.00	0.00
5770-0500	Contingencies	30,000.00	$26,340.00		26,340.00	0.00
5790-0500	Uniforms	600.00	$600.00		600.00	0.00
5810-0500	Telephone	3,737.00	$3,737.00	299.39	3,437.61	8.01
5820-0000	OGS Tie Line	0.00	$0.00		0.00	0.00
5830-0500	Equipment Rental	1,137.00	$1,137.00	25.75	1,111.25	0.00
5840-0500	Maintenance Service Contracts	4,075.00	$4,075.00	1,152.08	2,922.92	28.27
5860-0500	NYS Service Fees	0.00	$0.00		0.00	0.00
5870-0500	Data Communications	2,848.00	$2,848.00	474.00	2,374.00	0.00
5890-0500	Bank Service Charges	0.00	$0.00		0.00	0.00
	Total:	$241,529.00	$241,529.00	$24,176.77	$217,352.23	10.01
BLACK RIVER ALLOCATION (GENERAL BOARD PORTION)				($42,773.26)	($42,773.26)	0.00
	Total Budget for General Board:	$2,139,949.00	$2,139,949.00	$324,379.22	$1,730,023.26	15.16

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

SACANDAGA FIELD OFFICE

August-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0200	Salaries - Permanent	$414,500.00	$414,500.00	$89,891.14	$324,608.86	21.69
5020-0200	Salaries - Temporary	30,600.00	$30,600.00		30,600.00	0.00
5030-0200	Salaries - Overtime/On Call Comp		$0.00		0.00	0.00
5040-0200	Salaries - Longevity	3,200.00	$3,200.00		3,200.00	0.00
5050-0200	Salaries - Buyback	5,000.00	$5,000.00		5,000.00	0.00
5060-0200	Salary Contingency	0.00	$0.00		0.00	0.00
5070-0200	Pension & Retirement	75,701.00	$75,701.00		75,701.00	0.00
5080-0200	Health Insurance	478,336.00	$478,336.00	102,939.87	375,396.13	21.52
5085-0200	Dental Insurance	30,227.00	$30,227.00	6,286.02	23,940.98	20.80
5090-0200	Vision Care	7,661.00	$7,661.00	1,612.80	6,048.20	21.05
5100-0200	Social Security	28,105.00	$28,105.00	5,212.33	22,892.67	18.55
5120-0200	Medicare	6,573.00	$6,573.00	1,218.97	5,354.03	18.55
5130-0200	Workers' Compensation	7,289.00	$7,289.00		7,289.00	0.00
5135-0500	Unemployment Reimbursement	0.00	$0.00		0.00	0.00
5140-0200	Salaries - Vacant Positions	0.00	$0.00		0.00	0.00
	Total:	$1,087,192.00	$1,087,192.00	$207,161.13	$880,030.87	19.05
CODE II - CAPITAL EXPENDITURES						
5210-0200	Computer Equipment	$2,000.00	$2,000.00		$2,000.00	0.00
5215-0200	Office Equipment	1,721.00	$1,721.00		1,721.00	0.00
5220-0200	Vehicles	55,000.00	$66,015.00		66,015.00	0.00
5230-0200	Other Equipment	75,000.00	$75,000.00		75,000.00	0.00
5260-0200	Capital Improvements	82,300.00	$217,859.00		217,859.00	0.00
	Total:	$216,021.00	$362,595.00	$0.00	$362,595.00	0.00
CODE III - MATERIALS AND SUPPLIES						
5310-0200	Computer Supplies	$401.00	$401.00		$401.00	0.00
5315-0200	Computer Software	1,151.00	$1,151.00	12.99	1,138.01	0.00
5320-0200	Tools	8,650.00	$8,650.00	921.84	7,728.16	10.66
5325-0200	Office Supplies	1,444.00	$1,444.00		1,444.00	0.00
5330-0220	Other Materials & Supplies	9,034.00	$9,034.00	2,681.98	6,352.02	29.69
5340-0200	Vehicles Gas & Oil	12,073.00	$12,073.00	2,878.52	9,194.48	23.84
5345-0200	Vehicles Repairs & Parts	21,784.00	$21,784.00	165.36	21,618.64	0.76
5350-0200	Equipment Repairs & Parts	37,808.00	$37,808.00	2,363.66	35,444.34	6.25
5360-0200	Erosion Control	20,260.00	$20,260.00	2,121.42	18,138.58	10.47
	Total:	$112,605.00	$112,605.00	$11,145.77	$101,459.23	9.90
CODE IV - CONTRACTUAL SERVICES						
5610-0200	Utilities	$13,251.00	$13,251.00	$313.37	$12,937.63	2.36
5620-0200	Postage	4,730.00	$4,730.00		4,730.00	0.00
5630-0200	Printing	3,665.00	$3,665.00		3,665.00	0.00
5640-0200	Advertising	0.00	$0.00		0.00	0.00
5650-0200	Repairs to Structures	0.00	$17,437.00		17,437.00	0.00
5670-0200	Insurance	215,944.00	$215,944.00		215,944.00	0.00
5680-0200	Dues, Subscrips & Inf Services	0.00	$0.00		0.00	0.00
5690-0200	Computer Consultant	9,000.00	$9,000.00		9,000.00	0.00
5694-0200	Public Relations Consultant	0.00	$0.00			
5695-0200	Engineering Consultant	0.00	$0.00		0.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

SACANDAGA FIELD OFFICE

August-24

	Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE IV - CONTRACTUAL SERVICES (cont'd.)							
5696-0200	Legal Services and Consultants	$	-	$0.00		$0.00	0.00
5697-0200	Consultant/Benefic & Constitut	$	-	$0.00		0.00	0.00
5698-0200	Consultant Fees/Access Permit	$	-	$0.00	558.75	(558.75)	0.00
5699-0200	Surveying Services	$	6,000.00	$6,000.00		6,000.00	0.00
5700-0200	Training & Education	$	2,936.00	$2,936.00	452.25	2,483.75	15.40
5710-0200	Travel & Meetings	$	450.00	$450.00		450.00	0.00
5720-0200	Public Relations - Newsletter	$	-	$0.00		0.00	0.00
5730-0200	Interest Expense	$	-	$0.00		0.00	0.00
5740-0200	Debt Payments - Principal	$	-	$0.00		0.00	0.00
5750-0200	Debt Payments - Interest	$	-	$0.00		0.00	0.00
5760-0200	Premises Mtc, Repairs, Cleaning	$	-	$0.00		0.00	0.00
5770-0200	Contingencies	$	90,000.00	$90,000.00		90,000.00	0.00
5790-0200	Uniforms	$	6,091.00	$6,091.00	729.98	5,361.02	11.98
5805-0200	Gauge Observers-USGS	$	-	$0.00		0.00	0.00
5810-0200	Telephone	$	3,721.00	$3,721.00	419.30	3,301.70	11.27
5830-0200	Equipment Rental	$	4,091.00	$4,091.00	495.02	3,595.98	12.10
5840-0200	Mtc. Service Contracts	$	1,093.00	$1,093.00		1,093.00	0.00
5870-0200	Data Communications	$	1,558.00	$1,558.00	159.97	1,398.03	10.27
5890-0000	Bank Service Charge	$	6,077.00	$6,077.00	50.25	6,026.75	0.83
5895-0200	Discount Expense			$0.00		0.00	#DIV/0!
	Total:	$	368,607.00	$386,044.00	$3,178.89	$382,865.11	0.82
CODE V - TAXES							
5900-0200	Taxes					$0.00	#DIV/0!
	Total Budget for Sacandaga Field Offic	$	1,784,425.00	$1,948,436.00	$221,485.79	$1,726,950.21	11.37
	Reappropriation from FY 2023-24						
	5260-0200	$	135,559.00				
	5650-0200	$	17,437.00				

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

CONKLINGVILLE OFFICE

August-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0300	Salaries - Permanent	$63,486.00	$63,486.00	$12,208.80	$51,277.20	19.23
5020-0300	Salaries - Temporary	7,650.00	$7,650.00		7,650.00	0.00
5030-0300	Salaries - Overtime		$0.00		0.00	0.00
5040-0300	Salaries - Longevity	2,000.00	$2,000.00		2,000.00	0.00
5050-0300	Salaries - Buyback	2,500.00	$2,500.00		2,500.00	0.00
5060-0300	Salary Contingency	0.00	$0.00		0.00	0.00
5070-0300	Pension & Retirement	12,631.00	$12,631.00		12,631.00	0.00
5080-0300	Health Insurance	60,013.00	$60,013.00	13,697.06	46,315.94	22.82
5085-0300	Dental Insurance	2,853.00	$2,853.00	654.78	2,198.22	22.95
5090-0300	Vision Care	403.00	$403.00	100.80	302.20	25.01
5100-0300	Social Security	4,689.00	$4,689.00	720.25	3,968.75	15.36
5120-0300	Medicare	1,097.00	$1,097.00	168.45	928.55	15.36
5130-0300	Workers' Compensation	2,892.00	$2,892.00		2,892.00	0.00
5135-0300	Unemployment Reimbursement		$0.00		0.00	0.00
	Total:	$160,214.00	$160,214.00	$27,550.14	$132,663.86	17.20
CODE II - CAPITAL EXPENDITURES						
5210-0300	Computer Equipment	$2,000.00	$2,000.00		$2,000.00	0.00
5220-0300	Vehicles	0.00	$0.00		0.00	0.00
5230-0300	Other Equipment	0.00	$0.00		0.00	0.00
5260-0300	Capital Improvements	9,000.00	$9,000.00	49.75	8,950.25	0.00
	Total:	$11,000.00	$11,000.00	$49.75	$10,950.25	0.00
CODE III - MATERIALS AND SUPPLIES						
5310-0300	Computer Supplies	$0.00	$0.00		$0.00	0.00
5315-0300	Computer Software	995.00	$995.00		995.00	0.00
5320-0300	Tools	300.00	$300.00		300.00	0.00
5325-0300	Office Supplies	240.00	$240.00		240.00	0.00
5330-0300	Other Materials & Supplies	2,099.00	$2,099.00	154.72	1,944.28	0.00
5340-0300	Vehicles Gas & Oil	1,508.00	$1,508.00	391.15	1,116.85	25.94
5345-0300	Vehicles Repairs & Parts	720.00	$720.00		720.00	0.00
5350-0300	Equipment Repairs & Parts	6,195.00	$6,195.00		6,195.00	0.00
5360-0300	Erosion Control	0.00	$0.00	595.84	(595.84)	0.00
	Total:	$12,057.00	$12,057.00	$1,141.71	$10,915.29	9.47
CODE IV - CONTRACTUAL SERVICES						
5610-0300	Utilities	$6,245.00	$6,245.00	$273.44	$5,971.56	4.38
5620-0300	Postage	0.00	$0.00		0.00	0.00
5630-0300	Printing	0.00	$0.00		0.00	0.00
5640-0300	Advertising	0.00	$0.00		0.00	0.00
5650-0300	Repairs to Structures	0.00	$0.00		0.00	0.00
5680-0300	Dues, Subscriptions & Inform. Services	0.00	$0.00		0.00	0.00
5690-0300	Computer Consultant	0.00	$0.00		0.00	0.00
5694-0300	Public Relations Consultant	0.00	$0.00			0.00
5695-0300	Engineering Consultant	368,000.00	$453,535.00	12,326.37	441,208.63	2.72
5696-0300	Legal Services & Consultants	0.00	$0.00		0.00	0.00
5698-0300	Consultant Fees	0.00	$0.00		0.00	0.00
5699-0300	Surveying Services	10,300.00	$10,300.00		10,300.00	0.00
5700-0300	Training & Education	0.00	$0.00		0.00	0.00
5710-0300	Travel & Meetings	0.00	$0.00		0.00	0.00
5740-0300	Debt Payments - Principal	15,689.00	$15,689.00		15,689.00	0.00
5750-0300	Debt Payments - Interest	19,977.00	$2,977.00		2,977.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
CONKLINGVILLE OFFICE
August-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE IV - CONTRACTUAL SERVICES (cont'd.)						
5760-0300	Premises Mtc, Repairs, Cleaning	$ -	$0.00		$0.00	0.00
5770-0300	Contingencies	$ 40,000.00	$40,000.00		40,000.00	0.00
5790-0300	Uniforms	$ 500.00	$500.00		$500.00	0.00
5800-0300	Gage Observers - USGS	$ 90,372.00	$90,372.00		90,372.00	0.00
5810-0300	Telephone	$ 6,275.00	$6,275.00	1,049.13	5,225.87	16.72
5830-0300	Equipment Rental	$ -	$0.00		0.00	0.00
5870-0300	Data Communications	$ 4,353.00	$4,353.00	653.87	3,699.13	15.02
	Total:	$ 561,711.00	$630,246.00	$14,302.81	$615,943.19	2.27
	Total Budget for Conklingville Office:	$ 744,982.00	$813,517.00	$43,044.41	$770,472.59	5.29
	Reappropriation from FY 2023-24					
	5695-0300	$ 85,535.00				

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

INDIAN LAKE DAM

August-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0400	Salaries - Permanent	$6,850.00	$6,850.00	$1,317.30	$5,532.70	19.23
5100-0400	Social Security	425.00	$425.00	81.65	343.35	19.21
5120-0400	Medicare	99.00	$99.00	19.10	79.90	19.29
5130-0400	Workers' Compensation	138.00	$138.00		138.00	0.00
	Total:	$7,512.00	$7,512.00	$1,418.05	$6,093.95	18.88
CODE II - CAPITAL EXPENDITURES						
5215-0400	Office Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0400	Other Equipment	0.00	$0.00	0.00	0.00	0.00
5260-0400	Capital Improvements	0.00	$10,565.00	0.00	10,565.00	0.00
	Total:	$0.00	$10,565.00	$0.00	$10,565.00	0.00
CODE III - MATERIALS AND SUPPLIES						
5320-0400	Tools	$159.00	$159.00		$159.00	0.00
5325-0400	Office Supplies	0.00	$0.00		0.00	0.00
5330-0400	Other Materials & Supplies	547.00	$547.00	49.54	497.46	0.00
5350-0400	Equipment Repairs & Parts	1,487.00	$1,487.00		1,487.00	0.00
5360-0400	Erosion Control	547.00				
	Total:	$2,740.00	$2,193.00	$49.54	$2,143.46	2.26
CODE IV - CONTRACTUAL SERVICES						
5610-0400	Utilities	$4,856.00	$4,856.00	$147.35	$4,708.65	3.03
5620-0400	Postage	27.00	$27.00		27.00	0.00
5630-0400	Printing		$0.00		0.00	#DIV/0!
5640-0400	Advertising		$0.00		0.00	#DIV/0!
5650-0400	Repairs to Structures	7,225,047.00	$9,128,466.00	982,947.23	8,145,518.77	10.77
5680-0400	Dues, Subscriptions & Memberships	0.00	$0.00		0.00	#DIV/0!
5694-0400	Public Relations Consultant	0.00	$0.00			#DIV/0!
5695-0400	Engineering Consultant	686,651.00	$798,106.00	87,256.63	710,849.37	10.93
5698-0400	Consultant Fees/Access Permit	0.00	$0.00		0.00	#DIV/0!
5740-0400	Debt Payments - Principal		$0.00		0.00	#DIV/0!
5750-0400	Debt Payments - Interest		$0.00		0.00	#DIV/0!
5760-0400	Premises Mtc., Repairs, Cleaning		$0.00		0.00	#DIV/0!
5770-0400	Contingencies	1,061,495.00	$1,098,486.00	24,641.00	1,073,845.00	2.24
5800-0400	Gage Observers - USGS	0.00	$0.00		0.00	#DIV/0!
5805-0400	Gauge Observers		$0.00		0.00	#DIV/0!
5810-0400	Telephone	2,122.00	$2,122.00	233.05	1,888.95	10.98
5830-0400	Equipment Rental		$0.00		0.00	#DIV/0!
5840-0400	Maintenance Service Contracts		$0.00		0.00	#DIV/0!
	Total:	$8,980,198.00	$11,032,063.00	$1,095,225.26	$9,936,837.74	9.93
	Total Budget for Indian Lake Dam:	$8,990,450.00	$11,052,333.00	$1,096,692.85	$9,955,640.15	9.92

Reappropriation from FY 2023-24

5260-0400	$ 10,565.00
5650-0400	$ 1,903,419.00
5695-0400	$ 111,455.00
5770-0400	$ 36,991.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

HUDSON RIVER AREA

Aug 2024

REVENUE

	Account	Original Budget Amount 23-24	Adjusted Budget Amount 24-25	Revenue To Date	Balance Due	% Of Budget Received
4000-0000	Water Power Service	$0.00	$0.00	$0.00	$0.00	#DIV/0!
4010-0000	Miscellaneous	40,000.00	$40,000.00		40,000.00	0.00
4020-0000	Permit Fees - Renewals	550,000.00	$550,000.00	150.00	549,850.00	0.03
4025-0000	Permit Fees - New	0.00	$0.00	8,715.00	(8,715.00)	#DIV/0!
4028-0000	Permit Fees - Other	0.00	$0.00	4,950.00	(4,950.00)	#DIV/0!
4030-0000	Assessment Income		$0.00	891,349.00	(891,349.00)	#DIV/0!
4031-0000	HB Assessments	477,571.00	$477,571.00	477,571.00	0.00	100.00
4035-0000	Chargeable to the State	507,812.00	$507,812.00		507,812.00	0.00
4040-0000	Sale of Surplus	0.00	$0.00	0.00	0.00	#DIV/0!
4070-0000	Gain on Sale of Investments	0.00	$0.00		0.00	#DIV/0!
4080-0000	Interest	0.00	$0.00	49,206.37	(49,206.37)	#DIV/0!
4082-0000	Interest Earned in Debt Service Reserve Fund			176.09		
	From Unappropriated Fund Balance		$0.00		0.00	#DIV/0!
	Bond Proceeds	10,053,346.00	$10,053,346.00		10,053,346.00	0.00
	Total:	$11,628,729.00	$11,628,729.00	$1,432,117.46	$10,196,787.63	12.32

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

HUDSON RIVER AREA

Appropriations to Date07/01/2024-8/29/2024

EXPENSES

	Original 2023-2024 BUDGET	Adjusted 2023-2024 BUDGET	EXPENDED TO DATE	REMAINING BALANCE OF APPROPRIATION	PERCENT OF BUDGET EXPENDED
PERSONAL SERVICES & EMPLOYEE BENEFITS	$1,254,916.00	1,254,916.00	578,570.68	676,345.32	46.10%
CAPITAL EXPENDITURES	$227,021.00	227,021.00	49.75	226,971.25	0.02%
MATERIALS AND SUPPLIES	$127,402.00	127,402.00	12,871.37	114,530.63	10.10%
CONTRACTUAL SERVICES	$9,910,517.00	9,910,517.00	1,136,133.48	8,774,383.52	11.46%
TAXES	$0.00	-		-	0.00%
MONTHLY ALLOCATION (BR)		-	(42,773.26)	42,773.26	#DIV/0!
TOTAL:	$11,519,856.00	11,519,856.00	1,684,852.02	9,835,003.98	14.63%
GRAND TOTAL	$11,519,856.00	$11,519,856.00			

INCOME

	Original 2022-2023 BUDGET	Adjusted 2022-2023 BUDGET	RECEIVED TO DATE	BALANCE DUE	PERCENT OF BUDGET RECEIVED
WATER POWER SERVICE	$0.00	-		-	#DIV/0!
MISCELLANEOUS	0.00	0.00		-	0.00%
PERMITS - RENEWALS	550,000.00	550,000.00	150.00	549,850.00	0.03%
PERMITS - NEW	-		8,715.00	(8,715.00)	0.00%
PERMITS - OTHER	-		4,950.00	(4,950.00)	0.00%
ASSESSMENT INCOME	-	-	891,349.00	(891,349.00)	#DIV/0!
HB ASSESSMENTS	477,571.00	477,571.00	477,571.00	-	100.00%
CHARGEABLE TO THE STATE	507,812.00	507,812.00		507,812.00	0.00%
SALE OF SURPLUS	-	-		-	#DIV/0!
GAIN ON SALE OF INVESTMENT				-	0.00%
INTEREST	40,000.00	40,000.00	49,206.37	(9,206.37)	123.02%
INTEREST IN DEBT SERVICE RESERVE FUND			176.09	(176.09)	#DIV/0!
FROM UNAPPROPRIATED FUND BALANCE				-	0.00%
BOND PROCEEDS	10,053,346.00	10,053,346.00		10,053,346.00	0.00%
TOTAL:	11,628,729.00	11,628,729.00	$1,432,117.46	10,196,611.54	12.32%

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BLACK RIVER AREA

General Fund Checking
August 31, 2024

Balance, General Fund Checking (Community Bank, N.A.) 07/31/24			$188,622.43
Receipts:			
08/27/24	STIP Transfer BR-470	$31,508.82	
Total Receipts			$ 31,508.82
			$220,131.25
Disbursements:			
08/05/24	Batch 6 – Arcadis US, Inc.	$29,769.66	
08/28/24	Batch 7 – Mirabito Energy Products	$ 1,049.16	
08/28/24	Batch 8 – Frontier	$ 254.14	
08/29/24	Batch 9 – Petty Cash Reimbursement – 08/31/24	$ 2,049.76	
Total Disbursements			$ 33,122.72
Balance, General Fund Checking Account 08/31/24			$187,008.53

PETTY CASH RECAPITULATION SHEET

for period ending August 31, 2024

	CHECK #	DATE ISSUED	VENDOR	DESCRIPTION	AMOUNT
8-1	7251	8/6/2024	First National Bank of Omaha	Stamps.com $29.99 (monthly fee); Amazon $23.95 (NY/Fed Labor Law Poster); Staples $28.99 (paper for assessments); USPS $13.83 & $6.48 (mailings to HRAO)	103.24
8-2	7252	8/6/2024	WEX Bank	INV# 98847040 gas for BRFO	140.25
8-3	7253	8/27/2024	National Grid	35899-43101 $23.14 (SW GH); 38091-95009 $22.20 (Aux Splway); 98899-41109 (BRFO)	83.18
8-4	7254	8/27/2024	Frontier	315-357-3221 $133.04 (SL GH); 315-942-3559 $87.49 (Boonville)	220.53
8-5	7255	8/27/2024	charter Communications	Inv# 0308335081324 DSL for BRAO	134.98
8-6	7256	8/27/2024	Verizon	315-788-4960 Vanduzee	72.19
8-7	7257	8/27/2024	NYS Office for Technology	Inv# TLC-HBR-24-08 telephone for BRAO	208.31
8-8	7258	8/28/2024	Frontier	315-376-6672 BRFO	228.77
8-9	7259	8/28/2024	National Grid	78113-04101 $34.67 (SL GH); 95237-46106 $27.04 (OF GH); 99099-41107 $23.38 (BRFO outside light)	85.09
8-10	7260	8/28/2024	Frontier	315-369-2217 $82.28 (McKeever); 315-369-6090 (OF GH)	215.70
8-11	7261	8/28/2024	National Grid	66537-27109 $11.27 (McKeever); 99387-85104 $11.82 (Vanduzee)	23.09
8-12	7262	8/28/2024	H&L Motors	Inv# 204502 oil change supplies for F-250, tractor & (2) mowers, Brimar trailer yearly inspection	198.72
8-13	7263	8/28/2024	Inlet Department Store	Inv#v 535032 supplies for BRFO & SL	130.71
8-14	7264	8/28/2024	National Abstract	Inv# 169460 Tax search for SW, parcel no. 023.-1-6.1	205.00
			Total		$2,049.76

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BLACK RIVER AREA

APPROPRIATIONS TO DATE - 7/1/24 TO 8/31/24

EXPENSES

	2024-2025 BUDGET	2024-2025 ADJUSTED BUDGET	EXPENDED TO DATE	REMAINING BALANCE OF APPROPRIATION	PERCENT OF BUDGET EXPENDED
PERSONAL SERVICES AND EMPLOYEE BENEFITS	$727,383.00	$727,383.00	$132,510.86	$594,872.14	18.22%
CAPITAL EXPENDITURES	$218,990.00	$247,023.00	$0.00	$247,023.00	0.00%
MATERIALS AND SUPPLIES	$32,027.00	$32,027.00	$1,729.23	$30,297.77	5.40%
CONTRACTUAL SERVICES	$541,170.00	$1,358,723.00	$5,779.61	$1,352,943.39	0.43%
ALLOCATED BOARD EXPENSES	$249,382.00	$249,382.00	$42,773.26	$206,608.74	17.15%
TOTAL	$1,768,952.00	$2,614,538.00	$182,792.96	$2,431,745.04	6.99%

INCOME

	2024-2025 BUDGET	2024-2025 ADJUSTED BUDGET	RECEIVED TO DATE	BALANCE DUE	PERCENT OF BUDGET RECEIVED
M & O ASSESSMENT	$1,257,017.00	$1,257,017.00	$32,546.00	$1,224,471.00	2.59%
INTEREST	$40,000.00	$40,000.00	$5,853.08	$34,146.92	14.63%
WATER SERVICE CONTRACT	$50,000.00	$50,000.00	$0.00	$50,000.00	0.00%
BOND PROCEEDS	$100,000.00	$100,000.00	$0.00	$0.00	0.00%
LESS CHARGEABLE TO THE STATE	$742,188.00	$742,188.00	$0.00	$742,188.00	0.00%
TOTAL	$2,189,205.00	$2,189,205.00	$38,399.08	$2,150,805.92	1.75%

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

BLACK RIVER AREA

August 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0600	Salaries - Permanent	$134,960.00	$134,960.00	$25,761.15	$109,198.85	19.09
5010-0700	Salaries - Permanent	$135,716.00	$135,716.00	$26,450.65	$109,265.35	19.49
5020-0700	Salaries - Temporary	$7,650.00	$7,650.00	$0.00	$7,650.00	0.00
5040-0600	Longevity	$1,600.00	$1,600.00	$0.00	$1,600.00	0.00
5040-0700	Longevity	$1,600.00	$1,600.00	$0.00	$1,600.00	0.00
5050-0600	Buyback	$2,367.00	$2,367.00	$0.00	$2,367.00	0.00
5060-0700	Salary Contingency	$0.00	$0.00	$0.00	$0.00	0.00
5070-0600	Pension & Retirement	$23,201.00	$23,201.00	$0.00	$23,201.00	0.00
5070-0700	Pension & Retirement	$24,209.00	$24,209.00	$0.00	$24,209.00	0.00
5080-0600	Health Insurance	$212,234.00	$212,234.00	$47,757.59	$164,476.41	22.50
5080-0700	Health Insurance	$131,382.00	$131,382.00	$22,289.84	$109,092.16	16.97
5085-0600	Dental Insurance	$11,410.00	$11,410.00	$3,273.90	$8,136.10	28.69
5085-0700	Dental Insurance	$9,616.00	$9,616.00	$2,207.22	$7,408.78	22.95
5090-0600	Vision Care	$2,016.00	$2,016.00	$504.00	$1,512.00	25.00
5090-0700	Vision Care	$2,016.00	$2,016.00	$504.00	$1,512.00	25.00
5100-0600	Social Security	$8,613.00	$8,613.00	$1,456.95	$7,156.05	16.92
5100-0700	Social Security	$8,988.00	$8,988.00	$1,592.40	$7,395.60	17.72
5120-0600	Medicare	$2,014.00	$2,014.00	$340.75	$1,673.25	16.92
5120-0700	Medicare	$2,102.00	$2,102.00	$372.41	$1,729.59	17.72
5130-0600	Workers' Compensation	$2,457.00	$2,457.00	$0.00	$2,457.00	0.00
5130-0700	Workers' Compensation	$3,231.00	$3,231.00	$0.00	$3,231.00	0.00
	Total:	$727,382.00	$727,382.00	$132,510.86	$594,871.14	18.22
CODE II - CAPITAL EXPENDITURES						
5210-0600	Office Equipment - Computer	$0.00	$0.00	$0.00	$0.00	0.00
5210-0700	Office Equpment - Computer	$2,490.00	$2,490.00	$0.00	$2,490.00	0.00
5215-0600	Office Equipment - Business Machine	$0.00	$0.00	$0.00	$0.00	0.00
5215-0700	Office Equipment - Business Machine	$0.00	$0.00	$0.00	$0.00	0.00
5220-0700	Vehicles	$100,000.00	$100,000.00	$0.00	$100,000.00	0.00
5230-0000	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0600	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0700	Other Materials & Equipment	$10,000.00	$10,000.00	$0.00	$10,000.00	0.00
5230-0800	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0900	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5260-0700	Construction/Capital Improvements	$94,500.00	$98,533.00	$0.00	$98,533.00	0.00
5260-0000	Construction/Capital Improvements	$12,000.00	$36,000.00	$0.00	$36,000.00	0.00
						0.00
	Total:	$218,990.00	$247,023.00	$0.00	$247,023.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
BLACK RIVER AREA
August 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE III - MATERIALS AND SUPPLIES						
5310-0600	Computer Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5310-0700	Computer Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5315-0600	Computer Software	$995.00	$995.00	$0.00	$995.00	0.00
5315-0700	Computer Software	$0.00	$0.00	$0.00	$0.00	0.00
5320-0600	Small Tools & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5320-0700	Small Tools & Equipment	$1,607.00	$1,607.00	$0.00	$1,607.00	0.00
5320-0800	Small Tools & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5320-0900	Small Tools & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5325-0600	Office Supplies	$446.00	$446.00	$52.94	$393.06	11.87
5325-0700	Office Supplies	$321.00	$321.00	$0.00	$321.00	0.00
5330-0000	Other Materials & Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5330-0600	Other Materials & Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5330-0700	Other Materials & Supplies	$10,404.00	$10,404.00	$176.43	$10,227.57	1.70
5330-0800	Other Materials & Supplies	$515.00	$515.00	$0.00	$515.00	0.00
5330-0900	Other Materials & Supplies	$536.00	$536.00	$111.73	$424.27	20.85
5340-0600	Vehicle Gas & Oil	$0.00	$0.00	$0.00	$0.00	0.00
5340-0700	Vehicle Gas & Oil	$3,386.00	$3,386.00	$1,368.13	$2,017.87	40.41
5345-0600	Vehicle-Repairs & Parts	$116.00	$116.00	$0.00	$116.00	0.00
5345-0700	Vehicle-Repairs & Parts	$2,601.00	$2,601.00	$0.00	$2,601.00	0.00
5350-0000	Equipment-Repairs & Parts	$0.00	$0.00	$0.00	$0.00	0.00
5350-0600	Equipment-Repairs & Parts	$27.00	$27.00	$0.00	$27.00	0.00
5350-0700	Equipment-Repairs & Parts	$1,072.00	$1,072.00	$20.00	$1,052.00	1.87
5350-0800	Equipment-Repairs & Parts	$0.00	$0.00	$0.00	$0.00	0.00
5350-0900	Equipment-Repairs & Parts	$0.00	$0.00	$0.00	$0.00	0.00
5360-0000	Erosion Control - Hawkinsville	$0.00	$0.00	$0.00	$0.00	0.00
5360-0700	Erosion Control - Stillwater	$10,000.00	$10,000.00	$0.00	$10,000.00	0.00
5360-0900	Erosion Control - Sixth Lake	$0.00	$0.00	$0.00	$0.00	0.00
	Total:	$32,026.00	$32,026.00	$1,729.23	$30,296.77	5.40
CODE IV - CONTRACTUAL SERVICES						
5610-0600	Utilities	$891.00	$891.00	$65.27	$825.73	7.33
5610-0700	Utilities	$5,301.00	$5,301.00	$220.15	$5,080.85	4.15
5610-0800	Utilities	$317.00	$317.00	$54.22	$262.78	17.10
5610-0900	Utilities	$392.00	$392.00	$69.37	$322.63	17.70
5620-0600	Postage	$815.00	$815.00	$50.30	$764.70	6.17
5620-0700	Postage	$0.00	$0.00	$0.00	$0.00	0.00
5620-0000	Postage	$0.00	$0.00	$0.00	$0.00	0.00
5630-0600	Printing	$357.00	$357.00	$0.00	$357.00	0.00
5630-0700	Printing	$0.00	$0.00	$0.00	$0.00	0.00
5640-0600	Advertising General	$0.00	$0.00	$0.00	$0.00	0.00
5640-0700	Advertising - Stillwater	$0.00	$0.00	$0.00	$0.00	0.00
5650-0700	Repairs to Structures	$130,000.00	$176,481.00	$0.00	$176,481.00	0.00
5650-0800	Repairs to Structures	$0.00	$0.00	$0.00	$0.00	0.00
5650-0900	Repairs to Structures	$0.00	$0.00	$0.00	$0.00	0.00
5650-0000	Repairs to Structures	$0.00	$387,167.00	$0.00	$387,167.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
BLACK RIVER AREA
August 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE IV - CONTRACTUAL SERVICES - Cont'd						
5660-0600	Rent	$10,332.00	$10,332.00	$2,460.00	$7,872.00	23.81
5670-0600	Insurance-District	$29,181.00	$29,181.00	$0.00	$29,181.00	0.00
5680-0600	Dues, Subscriptions & Memberships	$640.00	$640.00	$0.00	$640.00	0.00
5680-0700	Dues, Subscriptions & Memberships	$0.00	$0.00	$0.00	$0.00	0.00
5690-0700	Consultant Fees - Computer	$500.00	$500.00	$0.00	$500.00	0.00
5695-0600	Consultant Fees - Accounting	$0.00	$0.00	$0.00	$0.00	0.00
5695-0700	Consultant Fees-Engineering SW	$0.00	$282,194.00	$0.00	$282,194.00	0.00
5695-0800	Consultant Fees-Engineering OF	$91,000.00	$91,000.00	$0.00	$91,000.00	0.00
5695-0900	Consultant Fees-Engineering SL	$91,000.00	$91,000.00	$0.00	$91,000.00	0.00
5695-0000	Consultant Fees-Engineering Hawk	$0.00	$101,711.00	$0.00	$101,711.00	0.00
5696-0000	Consultant-Legal Hawkinsville	$0.00	$0.00	$0.00	$0.00	0.00
5697-0600	Beneficiaries and Constituants	$0.00	$0.00	$0.00	$0.00	0.00
5699-0000	Surveying	$0.00	$0.00	$0.00	$0.00	0.00
5697-0700	Surveying	$0.00	$0.00	$0.00	$0.00	0.00
5697-0900	Surveying	$0.00	$0.00	$0.00	$0.00	0.00
5700-0600	Training Expense	$0.00	$0.00	$0.00	$0.00	0.00
5700-0700	Training Expense	$0.00	$0.00	$0.00	$0.00	0.00
5710-0600	Travel Expense	$0.00	$0.00	$0.00	$0.00	0.00
5710-0700	Travel Expense	$1,561.00	$1,561.00	$0.00	$1,561.00	0.00
5740-0700	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5740-0800	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5740-0900	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5740-0000	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5750-0700	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5750-0800	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5750-0900	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5750-0000	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5760-0700	Cleaning Expense	$0.00	$0.00	$0.00	$0.00	0.00
5770-0600	Contingencies	$5,202.00	$5,202.00	$0.00	$5,202.00	0.00
5770-0700	Contingencies - Stillwater	$40,000.00	$40,000.00	$205.00	$39,795.00	0.51
5770-0800	Contingencies - OF	$4,286.00	$4,286.00	$0.00	$4,286.00	0.00
5770-0900	Contingencies - SL	$4,286.00	$4,286.00	$0.00	$4,286.00	0.00
5770-0000	Contingencies - Hawk	$6,000.00	$6,000.00	$0.00	$6,000.00	0.00
5790-0700	Uniforms	$914.00	$914.00	$0.00	$914.00	0.00
5800-0600	USGS Contract	$100,271.00	$100,271.00	$0.00	$100,271.00	0.00
5805-0600	Observers	$1,021.00	$1,021.00	$0.00	$1,021.00	0.00
5810-0600	Telephone	$5,316.00	$5,316.00	$900.28	$4,415.72	16.94
5810-0700	Telephone	$4,408.00	$4,408.00	$656.57	$3,751.43	14.89
5810-0800	Telephone	$1,142.00	$1,142.00	$197.80	$944.20	17.32
5810-0900	Telephone	$1,155.00	$1,155.00	$195.05	$959.95	16.89
5830-0000	Equipment Rental	$0.00	$0.00	$0.00	$0.00	0.00
5830-0600	Equipment Rental	$296.00	$296.00	$0.00	$296.00	0.00
5830-0700	Equipment Rental	$328.00	$328.00	$0.00	$328.00	0.00
5830-0800	Equipment Rental	$0.00	$0.00	$0.00	$0.00	0.00
5830-0900	Equipment Rental	$0.00	$0.00	$0.00	$0.00	0.00
5840-0600	Maintenance Service Contracts	$452.00	$452.00	$0.00	$452.00	0.00
5870-0600	Computer Communications	$1,553.00	$1,553.00	$269.96	$1,283.04	17.38
5870-0700	Computer Communications	$1,307.00	$1,307.00	$297.64	$1,009.36	22.77
5870-0800	Computer Communications	$425.00	$425.00	$69.00	$356.00	16.24
5870-0900	Computer Communications	$420.00	$420.00	$69.00	$351.00	16.43
5890-0600	Bank Charges	$100.00	$100.00	$0.00	$100.00	0.00
	Total:	$541,169.00	$1,358,722.00	$5,779.61	$1,352,942.39	0.43

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
BLACK RIVER AREA
August 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE VI - OTHER						
7000-0600	Allocated Board Expense	$249,382.00	$249,382.00	$42,773.26	$206,608.74	17.15
	Total:	$249,382.00	$249,382.00	$42,773.26	$206,608.74	17.15
	Total Budget for Black River Area	$1,768,949.00	$2,614,535.00	$182,792.96	$2,431,742.04	6.99

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INCOME

Account		Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Amount Received To Date	Balance Due	% Of Budget Received
4000-0000	Water Power Income	$50,000.00	$50,000.00	$0.00	$50,000.00	0.00
4010-0000	Miscellaneous Income	$0.00	$0.00	$0.00	$0.00	0.00
4030-0700	Assessment Income-Stillwater	$1,115,975.00	$1,115,975.00	$0.00	$1,115,975.00	0.00
4030-0900	Assessment Inc.-Old Forge/Sixth Lak	$35,141.00	$35,141.00	$4,104.00	$31,037.00	11.68
4030-0000	Assessment Income-Hawkinsville	$15,647.00	$15,647.00	$0.00	$15,647.00	0.00
4030-0050	Assessment Income-Counties	$90,254.00	$90,254.00	$28,442.00	$61,812.00	31.51
4080-0000	Interest Income	$40,000.00	$40,000.00	$5,853.08	$34,146.92	14.63
4035-0000	less chargeable to the State	$742,188.00	$742,188.00	$0.00	$742,188.00	0.00
4040-0000	Sale of Surplus	$0.00	$0.00	$0.00	$0.00	0.00
4036-0000	NYS-Capital Appropriation	$0.00	$0.00	$0.00	$0.00	0.00
	Bond Proceeds	$100,000.00	$100,000.00			
	Total:	$2,189,205.00	$2,189,205.00	$38,399.08	$2,150,805.92	1.75

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
July 2024
Beginning Balance of Report

GOF TOTALs
$ 287,877.96

Date	Description of transactions made end of Feb not on last report	Amount
7/1/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 OTHER CC	$15.00
7/2/2024	Counter Credit	$989.58
7/2/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 INDN:New CC	$315.00
7/3/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 OTHER CC	$125.00
7/5/2024	NYS OSC DES:ACH ID:STIP Deposit	$120,733.03
7/5/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 INDN:New CC	$315.00
7/8/2024	Deposit	$442.08
7/8/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 OTHER CC	$15.00
7/9/2024	MERCHANT SVCS DES:MERCH DEP ID:Mutli Code In Person CC payment	$345.00
7/10/2024	Preencoded Deposit 3379	$1,320.00
7/10/2024	Preencoded Deposit 3379	$1,015.00
7/10/2024	Deposit	$195.00
7/10/2024	Preencoded Deposit 3379	$150.00
7/11/2024	NYS OSC DES:ACH ID:STIP Deposit	$8,780.42
7/12/2024	Deposit	$512.82
7/12/2024	Deposit	$100.80
7/16/2024	NYS OSC DES:ACH ID:STIP Deposit	$180,546.48
7/16/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 OTHER CC	$45.00
7/17/2024	NYS OSC DES:ACH ID:AP00082529395 BR Allocation	$68,340.67
7/19/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 OTHER CC	$280.00
7/22/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 OTHER CC	$15.00
7/23/2024	NYS OSC DES:ACH ID:STIP Deposit	$83,922.55
7/23/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 INDN:New CC	$315.00
7/24/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 INDN:New CC	$315.00
7/26/2024	NYS OSC DES:ACH ID:STIP Deposit	$96,444.72
7/26/2024	Preencoded Deposit 3379	$1,420.00
7/26/2024	Preencoded Deposit 3379	$1,015.00
7/26/2024	Deposit	$150.00
7/26/2024	Deposit	$109.99
7/30/2024	MERCHANT SVCS DES:MERCH DEP ID:8033748610 Other CC in person	$30.00
7/31/2024	NYS OSC DES:ACH ID:AP00082529395 BR Allocation	$74,517.64
7/30/2024	NYS OSC DES:ACH ID:STIP Deposit	$13,396.43
	Total Deposit	$656,232.21

Total Deposits and beginning balance : $ 944,110.17

1	07.3.2024 Regular Payroll	$	71,097.62
2	54 State Street	$	4,760.64
3	Albany Parking Authority	$	735.00
4	CSEA EBF	$	9,145.88
5	NYS Health Insurance (July)	$	105,391.51
6	The Preferred Group	$	700.00
7	Richard Bird	$	254.60
8	County Waste	$	272.06
9	Tim Insogna	$	7,200.00
10	WEX Bank	$	1,053.76
11	07.17.2024 Regular Payroll	$	73,138.19
12	NYS Health Insurance (Aug)	$	107,408.29
13	Bergmann Engineers	$	81,272.90
14	John Callaghan	$	140.97
15	Alfred Candido Jr	$	112.56
16	General Hydraulics	$	375.00
17	Home Depot	$	619.27
18	Logical Net	$	855.00
19	Pitney Bowes	$	309.00
20	Stephanie Ruzycky	$	237.85
21	07.31.2024 Regular Payroll	$	73,446.39
22	Carver Sand & Gravel	$	2,121.42
23	Charles Signs Inc	$	2,465.00
24	CSEA EBF (Aug)	$	9,145.88
25	HDR	$	8,399.08
26	Jefferson-Lewis BOCES	$	400.00
27	National Grid	$	466.95
28	Albany Parking Authority (Aug)	$	735.00
29	Visa Credit Card	$	1,892.21
30	NYS Unemployment Insurance	$	5,456.00
31	Petty Cash Reimbursement	$	5,313.22
	Total Disbursements	$	574,921.25

7/19/2024	Sweep from BOA to STIP	$	68,340.67
7/31/2024	Sweep from BOA to STIP	$	74,517.64
	Total Disbursments and Sweeps for month	$	717,779.56

Ending Balance for month **$ 226,330.61**

PETTY CASH RECAPITULATION SHEET

for period July 2024

	CHECK #	DATE ISSUED	VENDOR	DESCRIPTION	AMOUNT
7-1	12645	7/3/24	Brown's Ford	Vehicle Parts SFO -June Bill	$ 21.00
7-2	12646	7/3/24	Elavon Key Bank	Bank Service Charges June $15.66 & $10.00	$ 25.66
7-3	12647	7/3/24	General Hydraulics Inc	Equipment Parts SFO June bill	$ 5.90
7-4	12648	7/3/24	Jefferson-Lweis BOCES	Pre-employement testing June Bill	$ 180.00
7-5	12649	7/15/24	Dunham's Spring Shop	Mudflaps - June Bill	$ 26.50
7-6	12650	7/15/24	NYS Thruway	Travel & Meetings June Bill	$ 2.50
7-7	12651	7/15/24	Anna Tracy	SFO Petty Cash replenishment - FY23-24 bills	$ 128.90
7-8	12652	7/15/24	Albany Times Union	Advertisment GB June Bill	$ 75.00
7-9	12653	7/15/24	Verizon Wireless	June Cell Service GB, SFO & CV	$ 156.10
7-10	12654	7/19/24	FirstLight Fiber	Data Communications GB	$ 237.00
7-11	12655	7/19/24	Frontier	CV: 6965191 $96.79, 696-4632 $101.93, 696-3215$206.56, 696-4634 $101.93; IL 648-0585 $115.52	$ 622.73
7-12	12656	7/19/24	H&M Equipment Co Inc	Equipment Parts SFO $37.01 & $55.43	$ 93.44
7-13	12657	7/19/24	Habor Freight Tools	Other Supplies SFO	$ 65.95
7-14	12658	7/19/24	Kingsboro Lumber Co. Inc.	Indian Lake Other Supplies	$ 49.54
7-15	12659	7/19/24	Leaf	Equipment Rental SFO	$ 126.57
7-16	12660	7/19/24	NAPA Auto Parts Johnstown	Equipment Parts SFO	$ 88.96
7-17	12661	7/19/24	National Grid	Hope Wells Rd $20.63, Outdoor Lighting at CV $36.07	$ 56.70
7-18	12662	7/19/24	Running Supply Inc	SFO: Other materials: $76.56,$5.78,$29.99,$47.88; Uniforms SFO:$$174.99 & $194.99, Tools SFO $169.99,$129.98,$54.99	$ 885.15
7-19	12663	7/19/24	Spectrum Enterprise	233 Cty Rt8 #14262181 Conklingville	$ 129.99
7-20	12664	7/19/24	Spectrum Enterprise	233 Cty Rte 8 #8358211880027986 CV	$ 124.98
7-21	12665	7/19/24	Staples Business Advantage	GB: Office Supplies $71.14, $79.95,CREDIT 6.25 & $6.25	$ 171.09
7-22	12666	7/24/24	Adirondack Natural Resources	Erosion Control CV	$ 103.60
7-23	12667	7/24/24	Airgas USA LLC	Other Supplies SFO	$ 107.63
7-24	12668	7/24/24	B&B Equipment Co.	Equipment Repairs SFO-$79.17 & $49.99	$ 129.16
7-25	12669	7/24/24	Elavon Key Bank	Bank Service Charges June $50.00, $36.91 & $10.00	$ 96.91
7-26	12670	7/24/24	Frontier	518-924-2201 SFO	$ 87.06
7-27	12671	7/24/24	Jefferson-Lweis BOCES	Admin Charges 7/1-9/30/24 SFO	$ 52.25
7-28	12672	7/24/24	Repeat Business	Equipment Rental SFO	$ 139.27
7-29	12673	7/24/24	Running Supply Inc	Capital Improvements CV	$ 49.75
7-30	12674	7/24/24	Spectrum Enterprise	233 Cty Rte8 Bldg 2 #835821188027838	$ 134.98
				TOTAL for page	$ 4,174.27

PETTY CASH RECAPITULATION SHEET

for period July 2024

	CHECK #	DATE ISSUED	VENDOR	DESCRIPTION	AMOUNT
7-31	12675	7/29/24	B&B Equipment Co,	Equipment Parts SFO	$ 15.89
7-32	12676	7/29/24	Crystal Rock LLC	Other Materials CV	$ 20.48
7-33	12677	7/29/24	General Hydraulics Inc	Equipment Parts SFO $26.56 & $178.44	$ 205.00
7-34	12678	7/29/24	National Grid	IL: 40 ILD RD $62.99, IL Dam Rd $84.36; CV: 11467 CV RD $46.46, Kathan rd $20.80, CV Rd $112.70	$ 327.31
7-35	12679	7/29/24	Running Supply Inc.	SFO: Tools $213.30 & 69.46; Other Supplies $89.98, Equipt Parts $37.56	$ 410.30
7-36	12680	7/29/24	Spectrum Enterprise	737 Bunker Hill Rd #8358210400050544	$ 159.97
			TOTAL for page	$ 1,138.95	
				GRAND TOTAL for PETTY CASH	$ 5,313.22

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

GENERAL BOARD

July-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0500	Salaries - Permanent	$1,042,559.00	$1,042,559.00	$120,016.11	$922,542.89	11.51
5020-0500	Salaries - Temporary	$0.00				#DIV/0!
5040-0500	Salaries - Longevity	800.00	$800.00		800.00	0.00
5050-0500	Salaries - Buyback	6,400.00	$6,400.00		6,400.00	0.00
5060-0500	Salary Contingency	0.00	$0.00		0.00	0.00
5070-0500	Pension & Retirement	175,310.00	$175,310.00		175,310.00	0.00
5080-0500	Health Insurance	502,786.00	$502,786.00	78,811.69	423,974.31	15.67
5085-0500	Dental Insurance	44,168.00	$44,168.00	5,870.18	38,297.82	13.29
5090-0500	Vision Care	6,451.00	$6,451.00	974.40	5,476.60	15.10
5100-0500	Social Security	65,085.00	$65,085.00	7,221.15	57,863.85	11.09
5120-0500	Medicare	15,222.00	$15,222.00	1,688.79	13,533.21	11.09
5130-0500	Workers' Compensation	23,794.00	$23,794.00		23,794.00	0.00
5140-0500	Salaries - Vacant Positions		$0.00		0.00	0.00
	Total:	$1,882,575.00	$1,882,575.00	$214,582.32	$1,667,992.68	11.40
CODE II - CAPITAL EXPENDITURES						
5210-0500	Computer Equipment	$6,000.00	$6,000.00		$6,000.00	0.00
5215-0500	Office Equipment	547.00	$547.00		547.00	0.00
5220-0500	Vehicles	0.00	$0.00		0.00	0.00
5230-0500	Other Equipment	0.00	$0.00		0.00	0.00
5240-0500	Public Relations Equipment	0.00	$0.00		0.00	0.00
	Total:	$6,547.00	$6,547.00	$0.00	$6,547.00	0.00
CODE III - MATERIALS AND SUPPLIES						
5310-0500	Computer Supplies	$656.00	$656.00		$656.00	0.00
5315-0500	Computer Software	4,253.00	$4,253.00	12.99	4,240.01	0.31
5325-0500	Office Supplies	1,582.00	$1,582.00	462.05	1,119.95	29.21
5330-0500	Other Materials & Supplies	284.00	$284.00		284.00	0.00
5340-0500	Vehicles Gas & Oil	1,955.00	$1,955.00		1,955.00	0.00
5345-0500	Vehicles Repairs & Parts	284.00	$284.00		284.00	0.00
5350-0500	Equipment Repairs & Parts	284.00	$284.00		284.00	0.00
5370-0500	Public Relations Supplies	0.00	$0.00		0.00	0.00
	Total:	$9,298.00	$9,298.00	$475.04	$8,822.96	5.11
CODE IV - CONTRACTUAL SERVICES						
5610-0500	Utilities	$5,983.00	$5,983.00	$498.56	$5,484.44	0.00
5620-0500	Postage	852.00	$852.00	529.55	322.45	62.15
5630-0500	Printing	360.00	$360.00		360.00	0.00
5640-0500	Advertising	886.00	$886.00		886.00	0.00
5660-0500	Rent	65,324.00	$65,324.00	5,732.08	59,591.92	0.00
5670-0500	Insurance	40,366.00	$40,366.00		40,366.00	0.00
5680-0500	Dues, Subscrips & Inf Services	3,060.00	$3,060.00	417.93	2,642.07	13.66
5690-0500	Computer Consultant	27,472.00	$27,472.00		27,472.00	0.00
5691-0500	Accounting Audit & Consulting	40,000.00	$43,660.00		43,660.00	0.00
5693-0500	Insurance Consultant	0.00	$0.00		0.00	#DIV/0!
5694-0500	Public Relations Consultant	0.00	$0.00		0.00	0.00
5695-0500	Engineering Consultant	0.00	$0.00		0.00	0.00
5696-0500	Legal Services and Consultants	0.00	$0.00		0.00	0.00
5697-0500	Cons./Benefits	750.00	$750.00	700.00	50.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

GENERAL BOARD

July-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE IV - CONTRACTUAL SERVICES (Cont'd.)						
5700-0500	Training & Education	$1,061.00	$1,061.00		$1,061.00	0.00
5710-0500	Travel & Meetings	13,018.00	$13,018.00	237.85	12,780.15	1.83
5720-0500	Public Relations - Newsletter	0.00	$0.00		0.00	0.00
5725-0500	Public Relations - Webcasting	0.00	$0.00		0.00	0.00
5727-0500	Public Relations - Public Info	0.00	$0.00		0.00	0.00
5760-0500	Premises Maint., Repairs, Cleaning	0.00	$0.00		0.00	0.00
5730-0500	Interest Expense	0.00	$0.00		0.00	0.00
5770-0500	Contingencies	30,000.00	$26,340.00		26,340.00	0.00
5790-0500	Uniforms	600.00	$600.00		600.00	0.00
5810-0500	Telephone	3,737.00	$3,737.00	205.67	3,531.33	5.50
5820-0000	OGS Tie Line	0.00	$0.00		0.00	0.00
5830-0500	Equipment Rental	1,137.00	$1,137.00	25.75	1,111.25	0.00
5840-0500	Maintenance Service Contracts	4,075.00	$4,075.00		4,075.00	0.00
5860-0500	NYS Service Fees	0.00	$0.00		0.00	0.00
5870-0500	Data Communications	2,848.00	$2,848.00	237.00	2,611.00	0.00
5890-0500	Bank Service Charges	0.00	$0.00		0.00	0.00
	Total:	$241,529.00	$241,529.00	$8,584.39	$232,944.61	3.55
BLACK RIVER ALLOCATION (GENERAL BOARD PORTION)				($26,054.26)	($26,054.26)	0.00
	Total Budget for General Board:	$2,139,949.00	$2,139,949.00	$197,587.49	$1,890,252.99	9.23

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

SACANDAGA FIELD OFFICE

July-24

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0200	Salaries - Permanent	$414,500.00	$414,500.00	$51,306.59	$363,193.41	12.38
5020-0200	Salaries - Temporary	30,600.00	$30,600.00		30,600.00	0.00
5030-0200	Salaries - Overtime/On Call Comp		$0.00		0.00	0.00
5040-0200	Salaries - Longevity	3,200.00	$3,200.00		3,200.00	0.00
5050-0200	Salaries - Buyback	5,000.00	$5,000.00		5,000.00	0.00
5060-0200	Salary Contingency	0.00	$0.00		0.00	0.00
5070-0200	Pension & Retirement	75,701.00	$75,701.00		75,701.00	0.00
5080-0200	Health Insurance	478,336.00	$478,336.00	69,014.68	409,321.32	14.43
5085-0200	Dental Insurance	30,227.00	$30,227.00	4,110.52	26,116.48	13.60
5090-0200	Vision Care	7,661.00	$7,661.00	974.40	6,686.60	12.72
5100-0200	Social Security	28,105.00	$28,105.00	2,964.46	25,140.54	10.55
5120-0200	Medicare	6,573.00	$6,573.00	693.28	5,879.72	10.55
5130-0200	Workers' Compensation	7,289.00	$7,289.00		7,289.00	0.00
5135-0500	Unemployment Reimbursement	0.00	$0.00		0.00	0.00
5140-0200	Salaries - Vacant Positions	0.00	$0.00		0.00	0.00
	Total:	$1,087,192.00	$1,087,192.00	$129,063.93	$958,128.07	11.87
CODE II - CAPITAL EXPENDITURES						
5210-0200	Computer Equipment	$2,000.00	$2,000.00		$2,000.00	0.00
5215-0200	Office Equipment	1,721.00	$1,721.00		1,721.00	0.00
5220-0200	Vehicles	55,000.00	$66,015.00		66,015.00	0.00
5230-0200	Other Equipment	75,000.00	$75,000.00		75,000.00	0.00
5260-0200	Capital Improvements	82,300.00	$217,859.00		217,859.00	0.00
	Total:	$216,021.00	$362,595.00	$0.00	$362,595.00	0.00
CODE III - MATERIALS AND SUPPLIES						
5310-0200	Computer Supplies	$401.00	$401.00		$401.00	0.00
5315-0200	Computer Software	1,151.00	$1,151.00	12.99	1,138.01	0.00
5320-0200	Tools	8,650.00	$8,650.00	722.84	7,927.16	8.36
5325-0200	Office Supplies	1,444.00	$1,444.00		1,444.00	0.00
5330-0220	Other Materials & Supplies	9,034.00	$9,034.00	357.82	8,676.18	3.96
5340-0200	Vehicles Gas & Oil	12,073.00	$12,073.00		12,073.00	0.00
5345-0200	Vehicles Repairs & Parts	21,784.00	$21,784.00		21,784.00	0.00
5350-0200	Equipment Repairs & Parts	37,808.00	$37,808.00	1,032.30	36,775.70	2.73
5360-0200	Erosion Control	20,260.00	$20,260.00	2,121.42	18,138.58	10.47
	Total:	$112,605.00	$112,605.00	$4,247.37	$108,357.63	3.77
CODE IV - CONTRACTUAL SERVICES						
5610-0200	Utilities	$13,251.00	$13,251.00	$20.63	$13,230.37	0.16
5620-0200	Postage	4,730.00	$4,730.00		4,730.00	0.00
5630-0200	Printing	3,665.00	$3,665.00		3,665.00	0.00
5640-0200	Advertising	0.00	$0.00		0.00	0.00
5650-0200	Repairs to Structures	0.00	$17,437.00		17,437.00	0.00
5670-0200	Insurance	215,944.00	$215,944.00		215,944.00	0.00
5680-0200	Dues, Subscrips & Inf Services	0.00	$0.00		0.00	0.00
5690-0200	Computer Consultant	9,000.00	$9,000.00		9,000.00	0.00
5694-0200	Public Relations Consultant	0.00	$0.00			
5695-0200	Engineering Consultant	0.00	$0.00		0.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
SACANDAGA FIELD OFFICE
2024-2025

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE IV - CONTRACTUAL SERVICES (cont'd.)						
5696-0200	Legal Services and Consultants	$ -	$0.00		$0.00	0.00
5697-0200	Consultant/Benefic & Constitut	$ -	$0.00		0.00	0.00
5698-0200	Consultant Fees/Access Permit	$ -	$0.00		0.00	0.00
5699-0200	Surveying Services	$ 6,000.00	$6,000.00		6,000.00	0.00
5700-0200	Training & Education	$ 2,936.00	$2,936.00	452.25	2,483.75	15.40
5710-0200	Travel & Meetings	$ 450.00	$450.00		450.00	0.00
5720-0200	Public Relations - Newsletter	$ -	$0.00		0.00	0.00
5730-0200	Interest Expense	$ -	$0.00		0.00	0.00
5740-0200	Debt Payments - Principal	$ -	$0.00		0.00	0.00
5750-0200	Debt Payments - Interest	$ -	$0.00		0.00	0.00
5760-0200	Premises Mtc, Repairs, Cleaning	$ -	$0.00		0.00	0.00
5770-0200	Contingencies	$ 90,000.00	$90,000.00		90,000.00	0.00
5790-0200	Uniforms	$ 6,091.00	$6,091.00	369.98	5,721.02	6.07
5805-0200	Gauge Observers-USGS	$ -	$0.00		0.00	0.00
5810-0200	Telephone	$ 3,721.00	$3,721.00	292.73	3,428.27	7.87
5830-0200	Equipment Rental	$ 4,091.00	$4,091.00	265.84	3,825.16	6.50
5840-0200	Mtc. Service Contracts	$ 1,093.00	$1,093.00		1,093.00	0.00
5870-0200	Data Communications	$ 1,558.00	$1,558.00	159.97	1,398.03	10.27
5890-0000	Bank Service Charge	$ 6,077.00	$6,077.00		6,077.00	0.00
5895-0200	Discount Expense		$0.00		0.00	#DIV/0!
	Total:	$ 368,607.00	$386,044.00	$1,561.40	$384,482.60	0.40
CODE V - TAXES						
5900-0200	Taxes				$0.00	#DIV/0!
	Total Budget for Sacandaga Field Offic	$ 1,784,425.00	$1,948,436.00	$134,872.70	$1,813,563.30	6.92
	Reappropriation from FY 2023-24					
	5260-0200	$ 135,559.00				
	5650-0200	$ 17,437.00				

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

CONKLINGVILLE OFFICE

2024-2025

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0300	Salaries - Permanent	$63,486.00	$63,486.00	$7,325.28	$56,160.72	11.54
5020-0300	Salaries - Temporary	7,650.00	$7,650.00		7,650.00	0.00
5030-0300	Salaries - Overtime		$0.00		0.00	0.00
5040-0300	Salaries - Longevity	2,000.00	$2,000.00		2,000.00	0.00
5050-0300	Salaries - Buyback	2,500.00	$2,500.00		2,500.00	0.00
5060-0300	Salary Contingency	0.00	$0.00		0.00	0.00
5070-0300	Pension & Retirement	12,631.00	$12,631.00		12,631.00	0.00
5080-0300	Health Insurance	60,013.00	$60,013.00	9,170.82	50,842.18	15.28
5085-0300	Dental Insurance	2,853.00	$2,853.00	436.52	2,416.48	15.30
5090-0300	Vision Care	403.00	$403.00	67.30	335.70	16.70
5100-0300	Social Security	4,689.00	$4,689.00	432.15	4,256.85	9.22
5120-0300	Medicare	1,097.00	$1,097.00	101.07	995.93	9.21
5130-0300	Workers' Compensation	2,892.00	$2,892.00		2,892.00	0.00
5135-0300	Unemployment Reimbursement		$0.00		0.00	0.00
	Total:	$160,214.00	$160,214.00	$17,533.14	$142,680.86	10.94
CODE II - CAPITAL EXPENDITURES						
5210-0300	Computer Equipment	$2,000.00	$2,000.00		$2,000.00	0.00
5220-0300	Vehicles	0.00	$0.00		0.00	0.00
5230-0300	Other Equipment	0.00	$0.00		0.00	0.00
5260-0300	Capital Improvements	9,000.00	$9,000.00	49.75	8,950.25	0.00
	Total:	$11,000.00	$11,000.00	$49.75	$10,950.25	0.00
CODE III - MATERIALS AND SUPPLIES						
5310-0300	Computer Supplies	$0.00	$0.00		$0.00	0.00
5315-0300	Computer Software	995.00	$995.00		995.00	0.00
5320-0300	Tools	300.00	$300.00		300.00	0.00
5325-0300	Office Supplies	240.00	$240.00		240.00	0.00
5330-0300	Other Materials & Supplies	2,099.00	$2,099.00	43.91	2,055.09	0.00
5340-0300	Vehicles Gas & Oil	1,508.00	$1,508.00		1,508.00	0.00
5345-0300	Vehicles Repairs & Parts	720.00	$720.00		720.00	0.00
5350-0300	Equipment Repairs & Parts	6,195.00	$6,195.00		6,195.00	0.00
5360-0300	Erosion Control	0.00	$0.00	595.84	(595.84)	0.00
	Total:	$12,057.00	$12,057.00	$639.75	$11,417.25	5.31
CODE IV - CONTRACTUAL SERVICES						
5610-0300	Utilities	$6,245.00	$6,245.00	$216.03	$6,028.97	3.46
5620-0300	Postage	0.00	$0.00		0.00	0.00
5630-0300	Printing	0.00	$0.00		0.00	0.00
5640-0300	Advertising	0.00	$0.00		0.00	0.00
5650-0300	Repairs to Structures	0.00	$0.00		0.00	0.00
5680-0300	Dues, Subscriptions & Inform. Services	0.00	$0.00		0.00	0.00
5690-0300	Computer Consultant	0.00	$0.00		0.00	0.00
5694-0300	Public Relations Consultant	0.00	$0.00			0.00
5695-0300	Engineering Consultant	368,000.00	$453,535.00		453,535.00	0.00
5696-0300	Legal Services & Consultants	0.00	$0.00		0.00	0.00
5698-0300	Consultant Fees	0.00	$0.00		0.00	0.00
5699-0300	Surveying Services	10,300.00	$10,300.00		10,300.00	0.00
5700-0300	Training & Education	0.00	$0.00		0.00	0.00
5710-0300	Travel & Meetings	0.00	$0.00		0.00	0.00
5740-0300	Debt Payments - Principal	15,689.00	$15,689.00		15,689.00	0.00
5750-0300	Debt Payments - Interest	19,977.00	$2,977.00		2,977.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
CONKLINGVILLE OFFICE
2024-2025

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE IV - CONTRACTUAL SERVICES (cont'd.)						
5760-0300	Premises Mtc, Repairs, Cleaning	$ -	$0.00		$0.00	0.00
5770-0300	Contingencies	$ 40,000.00	$40,000.00		40,000.00	0.00
5790-0300	Uniforms	$ 500.00	$500.00		$500.00	0.00
5800-0300	Gage Observers - USGS	$ 90,372.00	$90,372.00		90,372.00	0.00
5810-0300	Telephone	$ 6,275.00	$6,275.00	507.21	5,767.79	8.08
5830-0300	Equipment Rental	$ -	$0.00		0.00	0.00
5870-0300	Data Communications	$ 4,353.00	$4,353.00	389.95	3,963.05	8.96
	Total:	$ 561,711.00	$630,246.00	$1,113.19	$629,132.81	0.18
	Total Budget for Conklingville Office:	$ 744,982.00	$813,517.00	$19,335.83	$794,181.17	2.38
	Reappropriation from FY 2023-24					
	5695-0300	$ 85,535.00				

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

INDIAN LAKE DAM

2024-2025

Account		Original Budget 24-25	Adjusted Budget 24-25	Expensed Amount To Date	Budgeted Amount Remaining	% Of Budget Expensed
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0400	Salaries - Permanent	$6,850.00	$6,850.00	$790.38	$6,059.62	11.54
5100-0400	Social Security	425.00	$425.00	48.99	376.01	11.53
5120-0400	Medicare	99.00	$99.00	11.46	87.54	11.58
5130-0400	Workers' Compensation	138.00	$138.00		138.00	0.00
	Total:	$7,512.00	$7,512.00	$850.83	$6,661.17	11.33
CODE II - CAPITAL EXPENDITURES						
5215-0400	Office Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0400	Other Equipment	0.00	$0.00	0.00	0.00	0.00
5260-0400	Capital Improvements	0.00	$10,565.00	0.00	10,565.00	0.00
	Total:	$0.00	$10,565.00	$0.00	$10,565.00	0.00
CODE III - MATERIALS AND SUPPLIES						
5320-0400	Tools	$159.00	$159.00		$159.00	0.00
5325-0400	Office Supplies	0.00	$0.00		0.00	0.00
5330-0400	Other Materials & Supplies	547.00	$547.00	49.54	497.46	0.00
5350-0400	Equipment Repairs & Parts	1,487.00	$1,487.00		1,487.00	0.00
5360-0400	Erosion Control	547.00				
	Total:	$2,740.00	$2,193.00	$49.54	$2,143.46	2.26
CODE IV - CONTRACTUAL SERVICES						
5610-0400	Utilities	$4,856.00	$4,856.00	$147.35	$4,708.65	3.03
5620-0400	Postage	27.00	$27.00		27.00	0.00
5630-0400	Printing		$0.00		0.00	#DIV/0!
5640-0400	Advertising		$0.00		0.00	#DIV/0!
5650-0400	Repairs to Structures	7,225,047.00	$9,128,466.00		9,128,466.00	0.00
5680-0400	Dues, Subscriptions & Memberships	0.00	$0.00		0.00	#DIV/0!
5694-0400	Public Relations Consultant	0.00	$0.00			#DIV/0!
5695-0400	Engineering Consultant	686,651.00	$798,106.00		798,106.00	0.00
5698-0400	Consultant Fees/Access Permit	0.00	$0.00		0.00	#DIV/0!
5740-0400	Debt Payments - Principal		$0.00		0.00	#DIV/0!
5750-0400	Debt Payments - Interest		$0.00		0.00	#DIV/0!
5760-0400	Premises Mtc., Repairs, Cleaning		$0.00		0.00	#DIV/0!
5770-0400	Contingencies	1,061,495.00	$1,098,486.00	2,465.00	1,096,021.00	0.22
5800-0400	Gage Observers - USGS	0.00	$0.00		0.00	#DIV/0!
5805-0400	Gauge Observers		$0.00		0.00	#DIV/0!
5810-0400	Telephone	2,122.00	$2,122.00	115.52	2,006.48	5.44
5830-0400	Equipment Rental		$0.00		0.00	#DIV/0!
5840-0400	Maintenance Service Contracts		$0.00		0.00	#DIV/0!
	Total:	$8,980,198.00	$11,032,063.00	$2,727.87	$11,029,335.13	0.02
	Total Budget for Indian Lake Dam:	$8,990,450.00	$11,052,333.00	$3,628.24	$11,048,704.76	0.03
	Reappropriation from FY 2023-24					
	5260-0400	$ 10,565.00				
	5650-0400	$ 1,903,419.00				
	5695-0400	$ 111,455.00				
	5770-0400	$ 36,991.00				

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

HUDSON RIVER AREA

2024-2025

REVENUE

	Account	Original Budget Amount 23-24	Adjusted Budget Amount 24-25	Revenue To Date	Balance Due	% Of Budget Received
4000-0000	Water Power Service	$0.00	$0.00	$0.00	$0.00	#DIV/0!
4010-0000	Miscellaneous	40,000.00	$40,000.00		40,000.00	0.00
4020-0000	Permit Fees - Renewals	550,000.00	$550,000.00	150.00	549,850.00	0.03
4025-0000	Permit Fees - New	0.00	$0.00	3,605.00	(3,605.00)	#DIV/0!
4028-0000	Permit Fees - Other	0.00	$0.00	3,640.00	(3,640.00)	#DIV/0!
4030-0000	Assessment Income		$0.00		0.00	#DIV/0!
4031-0000	HB Assessments	477,571.00	$477,571.00		477,571.00	0.00
4035-0000	Chargeable to the State	507,812.00	$507,812.00		507,812.00	0.00
4040-0000	Sale of Surplus	0.00	$0.00	0.00	0.00	#DIV/0!
4070-0000	Gain on Sale of Investments	0.00	$0.00		0.00	#DIV/0!
4080-0000	Interest	0.00	$0.00	25,433.84	(25,433.84)	#DIV/0!
4082-0000	Interest Earned in Debt Service Reserve Fund					
	From Unappropriated Fund Balance		$0.00		0.00	#DIV/0!
	Bond Proceeds	10,053,346.00	$10,053,346.00		10,053,346.00	0.00
	Total:	$11,628,729.00	$11,628,729.00	$32,828.84	$11,595,900.16	0.28

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

HUDSON RIVER AREA

Appropriations to Date07/01/2024-

EXPENSES

	Original 2023-2024 BUDGET	Adjusted 2023-2024 BUDGET	EXPENDED TO DATE	REMAINING BALANCE OF APPROPRIATION	PERCENT OF BUDGET EXPENDED
PERSONAL SERVICES & EMPLOYEE BENEFITS	$1,254,916.00	1,254,916.00	362,030.12	892,885.88	28.85%
CAPITAL EXPENDITURES	$227,021.00	227,021.00	49.75	226,971.25	0.02%
MATERIALS AND SUPPLIES	$127,402.00	127,402.00	5,411.70	121,990.30	4.25%
CONTRACTUAL SERVICES	$9,910,517.00	9,910,517.00	13,286.85	9,897,230.15	0.13%
TAXES	$0.00	-		-	0.00%
MONTHLY ALLOCATION (BR)		-	(26,054.26)	26,054.26	#DIV/0!
TOTAL:	$11,519,856.00	11,519,856.00	354,724.16	11,165,131.84	3.08%
GRAND TOTAL	$11,519,856.00	$11,519,856.00			

INCOME

	Original 2022-2023 BUDGET	Adjusted 2022-2023 BUDGET	RECEIVED TO DATE	BALANCE DUE	PERCENT OF BUDGET RECEIVED
WATER POWER SERVICE	$0.00	-		-	#DIV/0!
MISCELLANEOUS	0.00	0.00		-	0.00%
PERMITS - RENEWALS	550,000.00	550,000.00	150.00	549,850.00	0.03%
PERMITS - NEW	-		3,605.00	(3,605.00)	0.00%
PERMITS - OTHER	-		3,640.00	(3,640.00)	0.00%
ASSESSMENT INCOME	-	-		-	#DIV/0!
HB ASSESSMENTS	477,571.00	477,571.00		477,571.00	0.00%
CHARGEABLE TO THE STATE	507,812.00	507,812.00		507,812.00	0.00%
SALE OF SURPLUS	-	-		-	#DIV/0!
GAIN ON SALE OF INVESTMENT				-	0.00%
INTEREST	40,000.00	40,000.00	25,433.84	14,566.16	63.58%
INTEREST IN DEBT SERVICE RESERVE FUND				-	#DIV/0!
FROM UNAPPROPRIATED FUND BALANCE				-	0.00%
BOND PROCEEDS	10,053,346.00	10,053,346.00		10,053,346.00	0.00%
TOTAL:	11,628,729.00	11,628,729.00	$32,828.84	11,595,900.16	0.28%

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BLACK RIVER AREA

General Fund Checking
July 31, 2024

Balance, General Fund Checking (Community Bank, N.A.) 06/30/24			$183,645.29
Receipts:			
07/16/24	STIP Transfer BR-468	$6,716.30	
07/16/24	STIP Transfer BR-469	$9,067.80	
Total Receipts			$ 15,784.10
			$199,429.39
Disbursements:			
07/11/24	Batch 1 – Worthington Products, Inc.	$6,607.80	
07/16/24	Batch 3 – OGS Financial Admin.	$2,460.00	
07/31/24	Batch 5 – Petty Cash Reimbursement – 07/31/24	$1,739.16	
Total Disbursements			$ 10,806.96
Balance, General Fund Checking Account 07/31/24			$188,622.43

PETTY CASH RECAPITULATION SHEET

for period ending July 31, 2024

	CHECK #	DATE ISSUED	VENDOR	DESCRIPTION	AMOUNT
7-1	7238	7/18/2024	Frontier	315-357-3221 $131.01 (SL GH); 315-942-3559 $86.92 (Boonville)	217.93
7-2	7239	7/18/2024	WEX Bank	Inv# 98021177 gas for mowers	43.38
7-3	7240	7/18/2024	National Grid	38091-95009 $21.87 (Aux Splway); 78113-04101 $34.70 (SL GH); 98899-41109 $32.88 (BRFO)	89.45
7-4	7241	7/18/2024	Verizon	315-788-4960 Vanduzee	72.07
7-5	7242	7/18/2024	Frontier	315-369-2217 $82.88 (McKeever); 315-369-6090 $133.38 (OF GH)	215.66
7-6	7243	7/23/2024	Frontier	315-376-6672 BRFO	225.29
7-7	7244	7/25/2024	Frontier	315-376-4341 SW gatehouse	246.01
7-8	7245	7/25/2024	Charter Communications	Inv# 0308335071324 DSL for BRAO	134.98
7-9	7246	7/26/2024	National Grid	35899-43101 $26.72 (SW GH); 95237-46106 $27.18 (OF GH); 99099-41107 $32.12 (BRFO outside light)	86.02
7-10	7247	7/29/2024	NYS Office for Technology	Inv# TLC-HBR-24-07 telephone for BRAO	208.74
7-11	7248	7/29/2024	Lowville Farmers' Co-Operative	Inv# G78259 supplies for putting booms in	145.97
7-12	7249	7/31/2024	Inlet Department Store	Inv# 532933 bug spray for BRFO	11.48
7-13	7250	7/31/2024	National Grid	66537-27109 $20.18 (McKeever); 99387-85104 $22.00 (Vanduzee)	42.18
			Total		$1,739.16

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BLACK RIVER AREA

APPROPRIATIONS TO DATE - 7/1/24 TO 7/31/24

EXPENSES

	2024-2025 BUDGET	2024-2025 ADJUSTED BUDGET	EXPENDED TO DATE	REMAINING BALANCE OF APPROPRIATION	PERCENT OF BUDGET EXPENDED
PERSONAL SERVICES AND EMPLOYEE BENEFITS	$727,383.00	$727,383.00	$84,698.36	$642,684.64	11.64%
CAPITAL EXPENDITURES	$218,990.00	$247,023.00	$0.00	$247,023.00	0.00%
MATERIALS AND SUPPLIES	$32,027.00	$32,027.00	$157.45	$31,869.55	0.49%
CONTRACTUAL SERVICES	$541,170.00	$1,358,723.00	$3,998.33	$1,354,724.67	0.29%
ALLOCATED BOARD EXPENSES	$249,382.00	$249,382.00	$26,054.26	$223,327.74	10.45%
TOTAL	$1,768,952.00	$2,614,538.00	$114,908.40	$2,499,629.60	4.39%

INCOME

	2024-2025 BUDGET	2024-2025 ADJUSTED BUDGET	RECEIVED TO DATE	BALANCE DUE	PERCENT OF BUDGET RECEIVED
M & O ASSESSMENT	$1,257,017.00	$1,257,017.00	$0.00	$1,257,017.00	0.00%
INTEREST	$40,000.00	$40,000.00	$0.00	$40,000.00	0.00%
WATER SERVICE CONTRACT	$50,000.00	$50,000.00	$0.00	$50,000.00	0.00%
BOND PROCEEDS	$100,000.00	$100,000.00	$0.00	$0.00	0.00%
LESS CHARGEABLE TO THE STATE	$742,188.00	$742,188.00	$0.00	$742,188.00	0.00%
TOTAL	$2,189,205.00	$2,189,205.00	$0.00	$2,189,205.00	0.00%

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

BLACK RIVER AREA

July 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE I - PERSONAL SERVICES AND EMPLOYEE BENEFITS						
5010-0600	Salaries - Permanent	$134,960.00	$134,960.00	$15,456.69	$119,503.31	11.45
5010-0700	Salaries - Permanent	$135,716.00	$135,716.00	$15,935.54	$119,780.46	11.74
5020-0700	Salaries - Temporary	$7,650.00	$7,650.00	$0.00	$7,650.00	0.00
5040-0600	Longevity	$1,600.00	$1,600.00	$0.00	$1,600.00	0.00
5040-0700	Longevity	$1,600.00	$1,600.00	$0.00	$1,600.00	0.00
5050-0600	Buyback	$2,367.00	$2,367.00	$0.00	$2,367.00	0.00
5060-0700	Salary Contingency	$0.00	$0.00	$0.00	$0.00	0.00
5070-0600	Pension & Retirement	$23,201.00	$23,201.00	$0.00	$23,201.00	0.00
5070-0700	Pension & Retirement	$24,209.00	$24,209.00	$0.00	$24,209.00	0.00
5080-0600	Health Insurance	$212,234.00	$212,234.00	$31,818.22	$180,415.78	14.99
5080-0700	Health Insurance	$131,382.00	$131,382.00	$14,899.34	$116,482.66	11.34
5085-0600	Dental Insurance	$11,410.00	$11,410.00	$2,182.60	$9,227.40	19.13
5085-0700	Dental Insurance	$9,616.00	$9,616.00	$1,471.48	$8,144.52	15.30
5090-0600	Vision Care	$2,016.00	$2,016.00	$336.00	$1,680.00	16.67
5090-0700	Vision Care	$2,016.00	$2,016.00	$336.00	$1,680.00	16.67
5100-0600	Social Security	$8,613.00	$8,613.00	$874.17	$7,738.83	10.15
5100-0700	Social Security	$8,988.00	$8,988.00	$959.48	$8,028.52	10.68
5120-0600	Medicare	$2,014.00	$2,014.00	$204.45	$1,809.55	10.15
5120-0700	Medicare	$2,102.00	$2,102.00	$224.39	$1,877.61	10.68
5130-0600	Workers' Compensation	$2,457.00	$2,457.00	$0.00	$2,457.00	0.00
5130-0700	Workers' Compensation	$3,231.00	$3,231.00	$0.00	$3,231.00	0.00
	Total:	$727,382.00	$727,382.00	$84,698.36	$642,683.64	11.64
CODE II - CAPITAL EXPENDITURES						
5210-0600	Office Equipment - Computer	$0.00	$0.00	$0.00	$0.00	0.00
5210-0700	Office Equpment - Computer	$2,490.00	$2,490.00	$0.00	$2,490.00	0.00
5215-0600	Office Equipment - Business Machine	$0.00	$0.00	$0.00	$0.00	0.00
5215-0700	Office Equipment - Business Machine	$0.00	$0.00	$0.00	$0.00	0.00
5220-0700	Vehicles	$100,000.00	$100,000.00	$0.00	$100,000.00	0.00
5230-0000	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0600	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0700	Other Materials & Equipment	$10,000.00	$10,000.00	$0.00	$10,000.00	0.00
5230-0800	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5230-0900	Other Materials & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5260-0700	Construction/Capital Improvements	$94,500.00	$98,533.00	$0.00	$98,533.00	0.00
5260-0000	Construction/Capital Improvements	$12,000.00	$36,000.00	$0.00	$36,000.00	0.00
						0.00
	Total:	$218,990.00	$247,023.00	$0.00	$247,023.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
BLACK RIVER AREA
July 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE III - MATERIALS AND SUPPLIES						
5310-0600	Computer Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5310-0700	Computer Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5315-0600	Computer Software	$995.00	$995.00	$0.00	$995.00	0.00
5315-0700	Computer Software	$0.00	$0.00	$0.00	$0.00	0.00
5320-0600	Small Tools & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5320-0700	Small Tools & Equipment	$1,607.00	$1,607.00	$0.00	$1,607.00	0.00
5320-0800	Small Tools & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5320-0900	Small Tools & Equipment	$0.00	$0.00	$0.00	$0.00	0.00
5325-0600	Office Supplies	$446.00	$446.00	$0.00	$446.00	0.00
5325-0700	Office Supplies	$321.00	$321.00	$0.00	$321.00	0.00
5330-0000	Other Materials & Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5330-0600	Other Materials & Supplies	$0.00	$0.00	$0.00	$0.00	0.00
5330-0700	Other Materials & Supplies	$10,404.00	$10,404.00	$157.45	$10,246.55	1.51
5330-0800	Other Materials & Supplies	$515.00	$515.00	$0.00	$515.00	0.00
5330-0900	Other Materials & Supplies	$536.00	$536.00	$0.00	$536.00	0.00
5340-0600	Vehicle Gas & Oil	$0.00	$0.00	$0.00	$0.00	0.00
5340-0700	Vehicle Gas & Oil	$3,386.00	$3,386.00	$0.00	$3,386.00	0.00
5345-0600	Vehicle-Repairs & Parts	$116.00	$116.00	$0.00	$116.00	0.00
5345-0700	Vehicle-Repairs & Parts	$2,601.00	$2,601.00	$0.00	$2,601.00	0.00
5350-0000	Equipment-Repairs & Parts	$0.00	$0.00	$0.00	$0.00	0.00
5350-0600	Equipment-Repairs & Parts	$27.00	$27.00	$0.00	$27.00	0.00
5350-0700	Equipment-Repairs & Parts	$1,072.00	$1,072.00	$0.00	$1,072.00	0.00
5350-0800	Equipment-Repairs & Parts	$0.00	$0.00	$0.00	$0.00	0.00
5350-0900	Equipment-Repairs & Parts	$0.00	$0.00	$0.00	$0.00	0.00
5360-0000	Erosion Control - Hawkinsville	$0.00	$0.00	$0.00	$0.00	0.00
5360-0700	Erosion Control - Stillwater	$10,000.00	$10,000.00	$0.00	$10,000.00	0.00
5360-0900	Erosion Control - Sixth Lake	$0.00	$0.00	$0.00	$0.00	0.00
	Total:	$32,026.00	$32,026.00	$157.45	$31,868.55	0.49
CODE IV - CONTRACTUAL SERVICES						
5610-0600	Utilities	$891.00	$891.00	$42.18	$848.82	4.73
5610-0700	Utilities	$5,301.00	$5,301.00	$113.59	$5,187.41	2.14
5610-0800	Utilities	$317.00	$317.00	$27.18	$289.82	8.57
5610-0900	Utilities	$392.00	$392.00	$34.70	$357.30	8.85
5620-0600	Postage	$815.00	$815.00	$0.00	$815.00	0.00
5620-0700	Postage	$0.00	$0.00	$0.00	$0.00	0.00
5620-0000	Postage	$0.00	$0.00	$0.00	$0.00	0.00
5630-0600	Printing	$357.00	$357.00	$0.00	$357.00	0.00
5630-0700	Printing	$0.00	$0.00	$0.00	$0.00	0.00
5640-0600	Advertising General	$0.00	$0.00	$0.00	$0.00	0.00
5640-0700	Advertising - Stillwater	$0.00	$0.00	$0.00	$0.00	0.00
5650-0700	Repairs to Structures	$130,000.00	$176,481.00	$0.00	$176,481.00	0.00
5650-0800	Repairs to Structures	$0.00	$0.00	$0.00	$0.00	0.00
5650-0900	Repairs to Structures	$0.00	$0.00	$0.00	$0.00	0.00
5650-0000	Repairs to Structures	$0.00	$387,167.00	$0.00	$387,167.00	0.00

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BUDGET BREAKDOWN

BLACK RIVER AREA

July 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE IV - CONTRACTUAL SERVICES - Cont'd						
5660-0600	Rent	$10,332.00	$10,332.00	$2,460.00	$7,872.00	23.81
5670-0600	Insurance-District	$29,181.00	$29,181.00	$0.00	$29,181.00	0.00
5680-0600	Dues, Subscriptions & Memberships	$640.00	$640.00	$0.00	$640.00	0.00
5680-0700	Dues, Subscriptions & Memberships	$0.00	$0.00	$0.00	$0.00	0.00
5690-0700	Consultant Fees - Computer	$500.00	$500.00	$0.00	$500.00	0.00
5695-0600	Consultant Fees - Accounting	$0.00	$0.00	$0.00	$0.00	0.00
5695-0700	Consultant Fees-Engineering SW	$0.00	$282,194.00	$0.00	$282,194.00	0.00
5695-0800	Consultant Fees-Engineering OF	$91,000.00	$91,000.00	$0.00	$91,000.00	0.00
5695-0900	Consultant Fees-Engineering SL	$91,000.00	$91,000.00	$0.00	$91,000.00	0.00
5695-0000	Consultant Fees-Engineering Hawk	$0.00	$101,711.00	$0.00	$101,711.00	0.00
5696-0000	Consultant-Legal Hawkinsville	$0.00	$0.00	$0.00	$0.00	0.00
5697-0600	Beneficiaries and Constituants	$0.00	$0.00	$0.00	$0.00	0.00
5699-0000	Surveying	$0.00	$0.00	$0.00	$0.00	0.00
5697-0700	Surveying	$0.00	$0.00	$0.00	$0.00	0.00
5697-0900	Surveying	$0.00	$0.00	$0.00	$0.00	0.00
5700-0600	Training Expense	$0.00	$0.00	$0.00	$0.00	0.00
5700-0700	Training Expense	$0.00	$0.00	$0.00	$0.00	0.00
5710-0600	Travel Expense	$0.00	$0.00	$0.00	$0.00	0.00
5710-0700	Travel Expense	$1,561.00	$1,561.00	$0.00	$1,561.00	0.00
5740-0700	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5740-0800	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5740-0900	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5740-0000	Debt Payments - Principal	$0.00	$0.00	$0.00	$0.00	0.00
5750-0700	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5750-0800	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5750-0900	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5750-0000	Debt Payments - Interest	$0.00	$0.00	$0.00	$0.00	0.00
5760-0700	Cleaning Expense	$0.00	$0.00	$0.00	$0.00	0.00
5770-0600	Contingencies	$5,202.00	$5,202.00	$0.00	$5,202.00	0.00
5770-0700	Contingencies - Stillwater	$40,000.00	$40,000.00	$0.00	$40,000.00	0.00
5770-0800	Contingencies - OF	$4,286.00	$4,286.00	$0.00	$4,286.00	0.00
5770-0900	Contingencies - SL	$4,286.00	$4,286.00	$0.00	$4,286.00	0.00
5770-0000	Contingencies - Hawk	$6,000.00	$6,000.00	$0.00	$6,000.00	0.00
5790-0700	Uniforms	$914.00	$914.00	$0.00	$914.00	0.00
5800-0600	USGS Contract	$100,271.00	$100,271.00	$0.00	$100,271.00	0.00
5805-0600	Observers	$1,021.00	$1,021.00	$0.00	$1,021.00	0.00
5810-0600	Telephone	$5,316.00	$5,316.00	$450.01	$4,865.99	8.47
5810-0700	Telephone	$4,408.00	$4,408.00	$322.48	$4,085.52	7.32
5810-0800	Telephone	$1,142.00	$1,142.00	$98.88	$1,043.12	8.66
5810-0900	Telephone	$1,155.00	$1,155.00	$96.51	$1,058.49	8.36
5830-0000	Equipment Rental	$0.00	$0.00	$0.00	$0.00	0.00
5830-0600	Equipment Rental	$296.00	$296.00	$0.00	$296.00	0.00
5830-0700	Equipment Rental	$328.00	$328.00	$0.00	$328.00	0.00
5830-0800	Equipment Rental	$0.00	$0.00	$0.00	$0.00	0.00
5830-0900	Equipment Rental	$0.00	$0.00	$0.00	$0.00	0.00
5840-0600	Maintenance Service Contracts	$452.00	$452.00	$0.00	$452.00	0.00
5870-0600	Computer Communications	$1,553.00	$1,553.00	$134.98	$1,418.02	8.69
5870-0700	Computer Communications	$1,307.00	$1,307.00	$148.82	$1,158.18	11.39
5870-0800	Computer Communications	$425.00	$425.00	$34.50	$390.50	8.12
5870-0900	Computer Communications	$420.00	$420.00	$34.50	$385.50	8.21
5890-0600	Bank Charges	$100.00	$100.00	$0.00	$100.00	0.00
	Total:	$541,169.00	$1,358,722.00	$3,998.33	$1,354,723.67	0.29

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
BUDGET BREAKDOWN
BLACK RIVER AREA
July 31, 2024

Account		Original Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Expended Amount To Date	Budgeted Amount Remaining	% Of Budget Expended
CODE VI - OTHER						
7000-0600	Allocated Board Expense	$249,382.00	$249,382.00	$26,054.26	$223,327.74	10.45
	Total:	$249,382.00	$249,382.00	$26,054.26	$223,327.74	10.45
	Total Budget for Black River Area	$1,768,949.00	$2,614,535.00	$114,908.40	$2,499,626.60	4.39

****

INCOME

Account		Budgeted Amount 24-25	Adjusted Budgeted Amount 24-25	Amount Received To Date	Balance Due	% Of Budget Received
4000-0000	Water Power Income	$50,000.00	$50,000.00	$0.00	$50,000.00	0.00
4010-0000	Miscellaneous Income	$0.00	$0.00	$0.00	$0.00	0.00
4030-0700	Assessment Income-Stillwater	$1,115,975.00	$1,115,975.00	$0.00	$1,115,975.00	0.00
4030-0900	Assessment Inc.-Old Forge/Sixth Lak	$35,141.00	$35,141.00	$0.00	$35,141.00	0.00
4030-0000	Assessment Income-Hawkinsville	$15,647.00	$15,647.00	$0.00	$15,647.00	0.00
4030-0050	Assessment Income-Counties	$90,254.00	$90,254.00	$0.00	$90,254.00	0.00
4080-0000	Interest Income	$40,000.00	$40,000.00	$0.00	$40,000.00	0.00
4035-0000	less chargeable to the State	$742,188.00	$742,188.00	$0.00	$742,188.00	0.00
4040-0000	Sale of Surplus	$0.00	$0.00	$0.00	$0.00	0.00
4036-0000	NYS-Capital Appropriation	$0.00	$0.00	$0.00	$0.00	0.00
	Bond Proceeds	$100,000.00	$100,000.00			
	Total:	$2,189,205.00	$2,189,205.00	$0.00	$2,189,205.00	0.00

EXPENSE REPORT

HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

BOARD MEETING – 9/10/2024 –MAYFIELD, NEW YORK

Alfred J. Candido, Jr.
Travel (Board Meeting)
June 20, 2024 – Sacandaga Field Office, Mayfield, NY
Mileage: 168.0 miles at $.67 per mile $112.56

TOTAL EXPENSES: **$112.56**

Affidavit:

Said expenses incurred were necessary and reasonable and were incurred in the performance of official Hudson River-Black River Regulating District business and duties.

Respectfully submitted,

Timothy Maniccia
Chief Fiscal Officer & Treasurer

REPORT OF CHIEF ENGINEER
HUDSON RIVER - BLACK RIVER REGULATING DISTRICT
BOARD MEETING
SEPTEMBER 10, 2024 – MAYFIELD, NEW YORK

HUDSON RIVER AREA - AUGUST SUMMARY

Reservoir Operation

Great Sacandaga Lake

The August average daily release from the Sacandaga Reservoir (Great Sacandaga Lake) was approximately 2,150 cubic feet per second (cfs). The Upper Hudson / Sacandaga River Offer of Settlement target elevation for August 31 is 762.50 feet (ft). The release of water from Great Sacandaga Lake was consistent with the Upper Hudson/Sacandaga River Offer of Settlement.

Table 1.0 - *Great Sacandaga Lake Elevation and Release*

Date	Daily Average Elevation (ft,NAVD)[4]	Deviation (ft) (1)		Release (cfs)	
		From Average	From Offer of Settlement	Conklingville Dam	E.J. West (2) Hydro Plant
July 31	764.17	+1.75	-0.72	0	1,590
Aug. 31	762.2 (e)	+3.2 (e)	-0.3 (e)	0	1,567 (e)

Notes: (1) Difference between current reservoir elevation and historic average or Level 3
(2) Release established by Regulating District
(3) "(e)" represents estimated value
(4) "NAVD" is North American Vertical Datum

Indian Lake Reservoir

The August average daily release from Indian Lake was approximately 480 cfs.

Table 2.0 - *Indian Lake Reservoir Elevation and Release*

Date	Daily Average Elevation (1) (ft, NAVD)	Deviation (ft)		Release (cfs)
		From Average	From Target	
July 31	1,647.73	-0.16	+0.53	268
Aug. 31	1,645.3 (e)	-0.7 (e)	-1.4 (e)	480 (e)

Notes: (1) Local datum = NAVD elevation + 1617.63ft; spillway crest = 1651.01ft (33.38ft)
(2) "(e)" represents estimated value

HUDSON RIVER AREA - AUGUST SUMMARY- continued

River Flow

Hudson River flow, downstream of the confluence with the Sacandaga River, was approximately 4,880 cfs on August 25 and approximately 1,780 cfs above the historic average flow.

Table 3.0 - *Sacandaga, Indian, and Hudson River Flow*

River	Monthly Average Flow (cfs)	Historic Average Flow (2) (cfs)
Sacandaga at Hope	819 (e)	298
Sacandaga at Stewarts Bridge	2,150 (e)	1,900
Indian at Indian Lake Dam	479 (e)	333
Hudson at Hadley (1)	2,620 (e)	1,280

Notes: (1) Above confluence with Sacandaga River
(2) Based on USGS records
(3) "(e)" represents estimated value

Precipitation

Monthly total precipitation measured 114%, 83%, and 93% historic average at Indian Lake, Mayfield, and Conklingville, respectively, as of August 26

Table 4.0 - *Hudson River Basin Precipitation - as of August 26*

Station	Monthly Total (inch)	Historic Average (inch)
Indian Lake	4.51	3.95
Mayfield	3.33	4.02
Conklingville	3.58	3.85

HUDSON RIVER AREA - AUGUST SUMMARY- continued

Operation Overview

Precipitation during the month of August was below average across the Great Sacandaga Lake watershed and above average in the Indian Lake watershed. The monthly inflow to Great Sacandaga Lake and Indian Lake reservoir was approximately 233% and 243% of historic average, respectively. Monthly release of water from Great Sacandaga Lake and Indian Lake measured 112% and 197% of historic average, respectively.

Great Sacandaga Lake Operation

Great Sacandaga Lake operation summary report for the period August 1, 2024 through August 25, 2024 is attached. This report includes projected and forecast values for dates after August 25, 2024.

Hudson River Area Staff Activities

A summary of District staff activities and work projects at the dam facilities is included in the Operations Manager's Report.

BLACK RIVER AREA – AUGUST SUMMARY

Reservoir Operations

Stillwater Reservoir

The August average daily release from Stillwater Reservoir was approximately 900 cfs. The maximum discharge for the month was 1,000 cfs.

Table 1.0 - *Stillwater Reservoir Elevation and Release*

Date	Daily Average Elevation (ft, NAVD)	Deviation from Average Elevation (ft) (1)	Release (cfs)
July 31	1,679.02	+3.58	700
Aug. 31	1,675.2 (e)	+2.7 (e)	500 (e)

Notes: (1) Difference between current reservoir elevation and historic average
(2) "(e)" represents estimated value

Sixth Lake Reservoir

The August average daily release from Sixth Lake Reservoir was approximately 35 cfs.

Table 2.0 - *Sixth Lake Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
July 31	1,786.10	+0.34	15
Aug. 31	1,786.0 (e)	+0.2 (e)	10 (e)

Notes: (1) Local datum = USGS datum
(2) Difference between current reservoir elevation and historic average.
(3) "(e)" represents estimated value

Old Forge Reservoir

The August average daily release from Old Forge Reservoir was approximately 85 cfs.

Table 3.0 - *Old Forge Reservoir Elevation and Release*

Date	Elevation (1) (ft, NAVD)	Deviation from Average Elevation (2) (ft)	Release (cfs)
July 31	1,707.08	+0.15	69
Aug. 31	1,707.0 (e)	+0.0 (e)	24 (e)

Notes: (1) Local Datum = USGS elevation
(2) Difference between current reservoir elevation and historic average.
(3) "(e)" represents estimated value

BLACK RIVER AREA - AUGUST SUMMARY - continued

River Flow

The average daily Black River flow, as measured at the Watertown gauge, was approximately 5,520 cfs on August 27.

Table 4.0 - *Moose, Independence, Beaver, and Black River Flow*

River	Monthly Average Flow (cfs)	Historic Average Flow (1) (cfs)
Moose at McKeever	954 (e)	340
Beaver at Croghan	1,270 (e)	521
Black at Watertown	6,070 (e)	1,890

Notes: (1) Based on USGS records
(2) "(e)" represents estimated value

Precipitation

Monthly total precipitation measured 148%, 129%, 133% of historic average at Stillwater, Old Forge, and Sixth Lake, respectively, as of August 26.

Table 5.0 - *Black River Basin Precipitation - as of August 26*

Station	Monthly Total (inch)	Historic Average (inch)
Stillwater	7.31	4.94
Old Forge	5.95	4.62
Sixth Lake	5.65	4.25

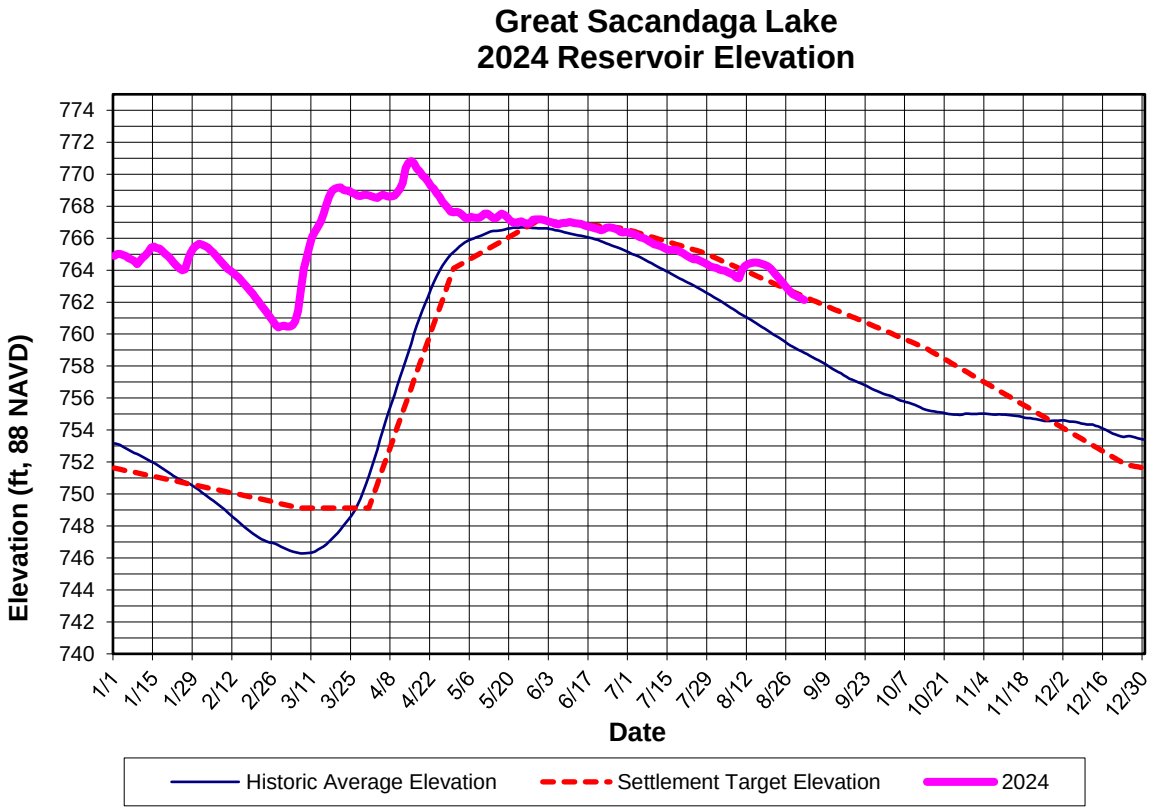
BLACK RIVER AREA - AUGUST SUMMARY - continued

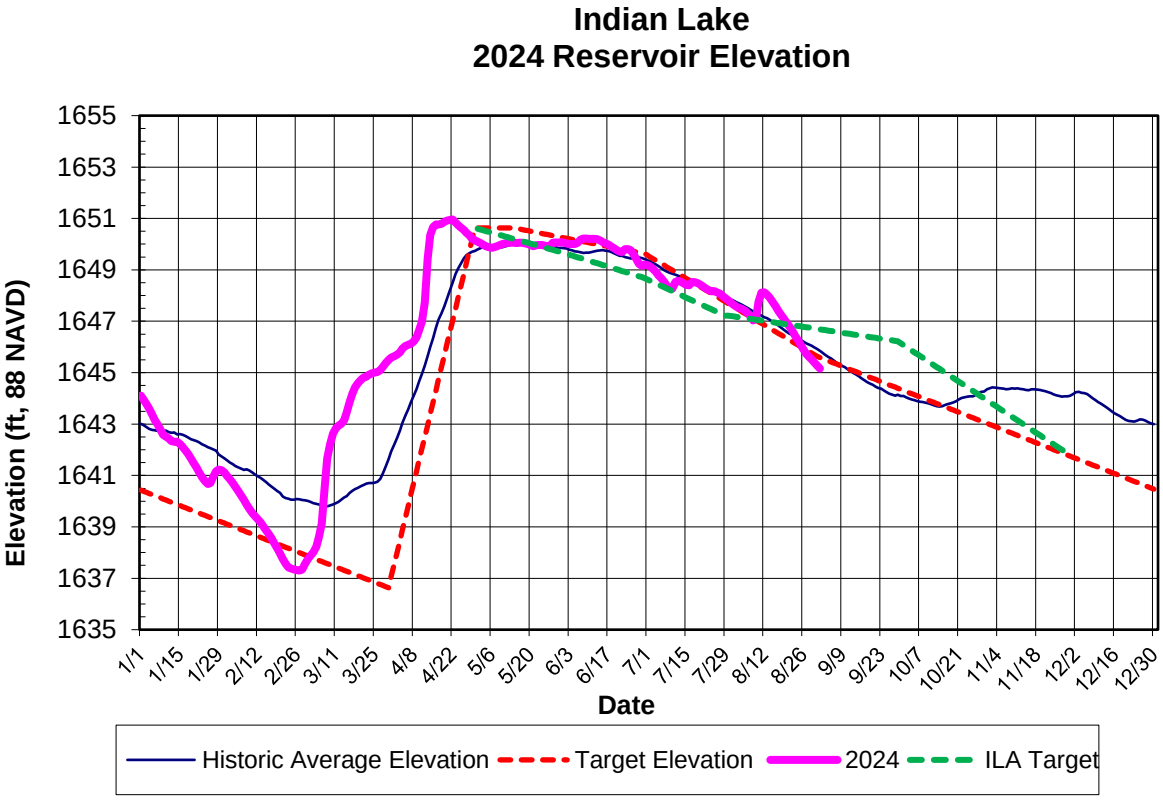
Operation Overview

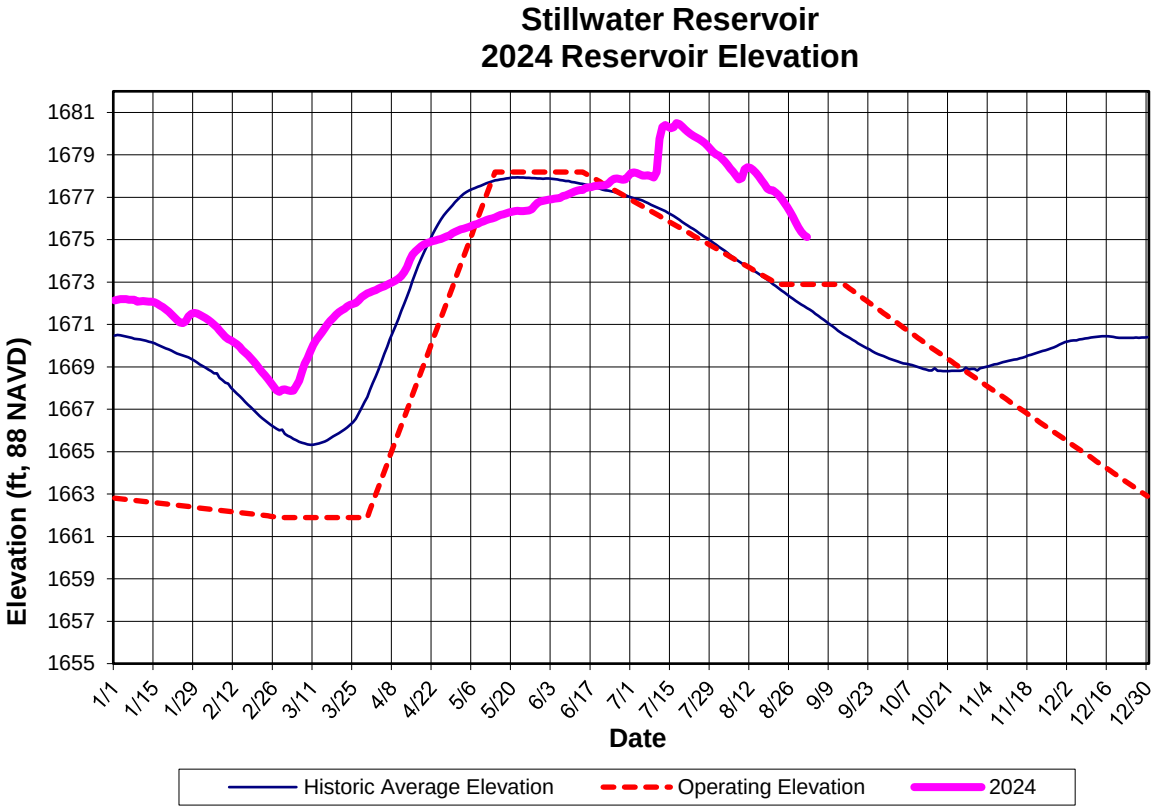
Precipitation in the month of August was above average at Stillwater and above average at Sixth Lake and Old Forge Reservoir. The monthly inflow to Stillwater Reservoir was approximately 216% of historic average. The inflow to Sixth Lake and Old Forge Reservoir totaled 0.09 and 0.21 billion cubic feet, or 150% and 131% of historic average, respectively, in August. Release of water from Stillwater Reservoir provided 209% of historic monthly average discharge.

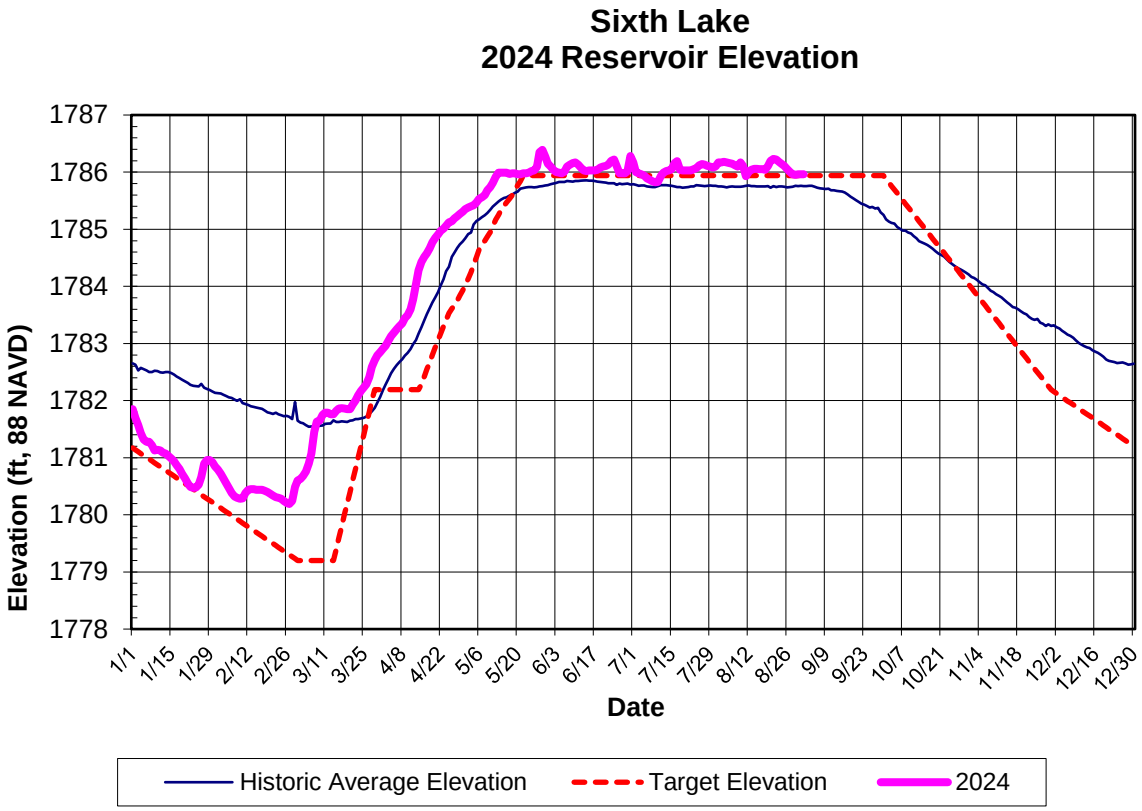
Black River Area Staff Activities

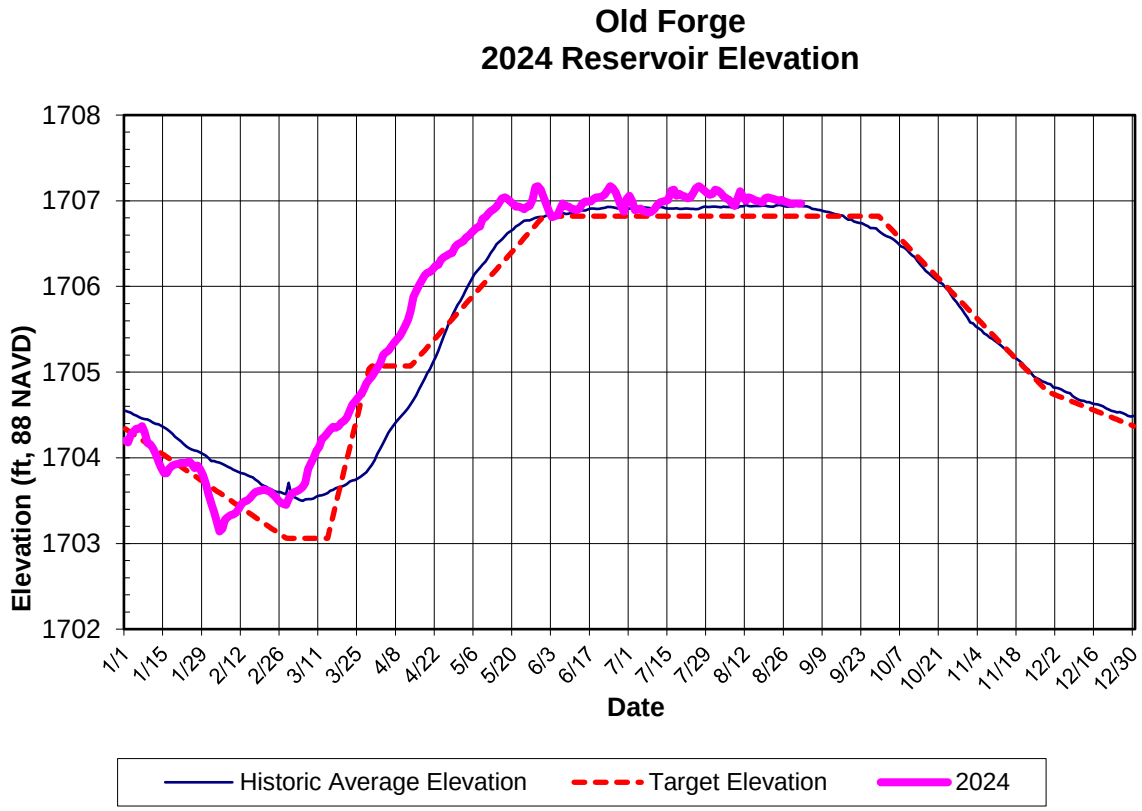
A summary of District staff activities and work projects at the dam facilities is attached in the Superintendent's Report.


Great Sacandaga Lake
2024 Reservoir Elevation
Elevation (ft, 88 NAVD)
774
772
770
768
766
764
762
760
758
756
754
752
750
748
746
744
742
740
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Historic Average Elevation
Settlement Target Elevation
2024


Indian Lake
2024 Reservoir Elevation
Elevation (ft, 88 NAVD)
1655
1653
1651
1649
1647
1645
1643
1641
1639
1637
1635
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Historic Average Elevation
Target Elevation
2024
ILA Target


Stillwater Reservoir
2024 Reservoir Elevation
Elevation (ft, 88 NAVD)
1681
1679
1677
1675
1673
1671
1669
1667
1665
1663
1661
1659
1657
1655
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Historic Average Elevation
Operating Elevation
2024


Sixth Lake
2024 Reservoir Elevation
Elevation (ft, 88 NAVD)
1787
1786
1785
1784
1783
1782
1781
1780
1779
1778
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Historic Average Elevation
Target Elevation
2024


Old Forge
2024 Reservoir Elevation
Elevation (ft, 88 NAVD)
1708
1707
1706
1705
1704
1703
1702
1/1
1/15
1/29
2/12
2/26
3/11
3/25
4/8
4/22
5/6
5/20
6/3
6/17
7/1
7/15
7/29
8/12
8/26
9/9
9/23
10/7
10/21
11/4
11/18
12/2
12/16
12/30
Date
Historic Average Elevation
Target Elevation
2024

Indian Lake Dam Rehabilitation – Construction Progress Update

Construction activities for the period July 17, 2024 to August 16, 2024 are summarized in Colliers Engineering & Design Construction Progress Report.

SACANDAGA RESERVOIR ELEVATION CALCULATOR

Datum:
1988 NAVD

Settlement Parameters		
Date	8/26/2024	
Target Elevation	762.89	
Actual "Level"	3.08	
"Level 2.5 threshold"	759.61	
"Level 1.2 threshold"	755.82	
Hudson River Target	Elevation	Level
Maximum Flow (cfs)	8000	7660
Minimum Flow (cfs)	n/a	2160
Min. Rec/Rafting Hours (hrs)	8	

Rafting Relase at Abanakee
North Crk T, Th, Sa., Su.
Hadley M, W, F, Su.

Whitewater (hrs)	Daily Avg (cfs)
3	806
4	958
5	1110
6	1263
7	1415
8	1567

* 4000 cfs/hr + base flow 350 cfs

Daily Conditions	
Date	8/26/2024
Day of Year	6448
Starting Elevation (ft)	762.96
Average Elevation	762.86
Flow Below Hadley (cfs)	4700
Todays Release	3000
Tomorrows Release	3000

762.86

BROOKFIELD HYDRO CONTROL CENTER: 877-816-7466

Justin St.John 518-743-2004 (w)
Mike Fitzgerald 315-396-8194 (cell)
Jonathan Norris 518-743-2094
Jane LaBombard 518-615-9353
Dan McCarty 744-2067 Eric Johnson
Piezometers 518-696-5807 863-8791

ACTUAL High Value
SCHEDULED Low Value
ESTIMATED Instant. (min + raffting)
TO BE CHANGED
Spillway Crest 770.12 ft 88 NAVD

Starting Date 12:00 AM	Starting Elevation	Net Average Inflow	Sacandaga River Flow E.J. West	Valves	Spillway	Average Release	Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	Hudson River Target Flow Minimum (Table C - Level)	Maximum (Table D - Elev.)	Maximum (Table E - Level)	Ending Elevation	Ending Date 12:00 AM	Ft. Ed. Flow Daily Average Elevation	Settlement Target Elevation	Historic Daily Average Elev.
8/1/2024	764.15	700	1580	0	0	1580	4000	2.87	1090	2670	1938	8000	7500	764.08	8/2/2024	764.12	764.81	762.20
8/2/2024	764.08	1000	1600	0	0	1600	4000	2.87	1160	2760	1938	8000	7500	764.03	8/3/2024	764.06	764.74	762.10
8/3/2024	764.03	1500	1620	0	0	1620	4000	2.87	1120	2740	1938	8000	7500	764.02	8/4/2024	764.03	764.66	762.00
8/4/2024	764.02	800	1580	0	0	1580	4000	2.87	1180	2760	1938	8000	7500	763.95	8/5/2024	763.99	764.58	761.89
8/5/2024	763.95	200	1610	0	0	1610	4000	2.87	1110	2720	1938	8000	7500	763.83	8/6/2024	763.89	764.50	761.78
8/6/2024	763.83	800	1590	0	0	1590	4000	2.87	1020	2610	1938	8000	7500	763.76	8/7/2024	763.80	764.43	761.66
8/7/2024	763.76	600	1650	0	0	1650	4000	2.87	1060	2710	1938	8000	7500	763.67	8/8/2024	763.72	764.35	761.55
8/8/2024	763.67	1400	4000	0	0	4000	4000	2.90	1040	5040	1952	8000	7500	763.46	8/9/2024	763.57	764.27	761.43
8/9/2024	763.46	7400	3960	0	0	3960	4000	2.94	2380	6340	1966	8000	7500	763.73	8/10/2024	763.60	764.20	761.32
8/10/2024	763.73	7400	1600	0	0	1600	4000	2.97	9150	10750	1986	8000	7500	764.18	8/11/2024	763.96	764.12	761.21
8/11/2024	764.18	3200	1590	0	0	1590	4047	3.00	9000	10590	2000	8000	7500	764.30	8/12/2024	764.24	764.04	761.11
8/12/2024	764.30	3000	1590	0	0	1590	4093	3.03	6630	8220	2060	8000	7560	764.41	8/13/2024	764.36	763.97	761.01
8/13/2024	764.41	2000	1590	0	0	1590	4140	3.06	5420	7010	2120	8000	7620	764.44	8/14/2024	764.43	763.89	760.91
8/14/2024	764.44	2300	1590	0	0	1590	4140	3.07	4340	5930	2140	8000	7640	764.49	8/15/2024	764.47	763.81	760.80
8/15/2024	764.49	1400	1590	0	0	1590	4140	3.08	3680	5270	2160	8000	7660	764.47	8/16/2024	764.48	763.74	760.69
8/16/2024	764.47	1200	1620	0	0	1620	4140	3.09	3120	4740	2180	8000	7680	764.43	8/17/2024	764.45	763.66	760.58
8/17/2024	764.43	1100	1620	0	0	1620	4093	3.08	2670	4290	2160	8000	7660	764.38	8/18/2024	764.41	763.58	760.46
8/18/2024	764.38	1000	1920	0	0	1920	4093	3.07	2470	4390	2140	8000	7640	764.30	8/19/2024	764.34	763.50	760.35
8/19/2024	764.30	1000	2050	0	0	2050	4047	3.07	2280	4330	2120	8000	7620	764.21	8/20/2024	764.26	763.43	760.23
8/20/2024	764.21	800	3050	0	0	3050	4000	3.06	2340	5390	2100	8000	7600	764.03	8/21/2024	764.12	763.35	760.11
8/21/2024	764.03	300	3060	0	0	3060	4000	3.05	2340	5400	2100	8000	7600	763.81	8/22/2024	763.92	763.27	760.00
8/22/2024	763.81	300	3070	0	0	3070	4000	3.04	2180	5250	2080	8000	7580	763.59	8/23/2024	763.70	763.20	759.90
8/23/2024	763.59	600	3060	0	0	3060	4000	3.03	2100	5160	2060	8000	7560	763.39	8/24/2024	763.49	763.12	759.78
8/24/2024	763.39	400	3050	0	0	3050	4000	3.03	1910	4960	2040	8000	7540	763.17	8/25/2024	763.28	763.04	759.67
8/25/2024	763.17	500	3080	0	0	3080	4000	3.01	1800	4880	2020	8000	7520	762.96	8/26/2024	763.07	762.97	759.55
8/26/2024	762.96	500	3000	0	0	3000	4000	3.01	1700	4700	2020	8000	7520	762.75	8/27/2024	762.86	762.89	759.42
8/27/2024	762.75	500	3000	0	0	3000	4000	2.98	1600	4600	1986	8000	7500	762.54	8/28/2024	762.65	762.81	759.30
8/28/2024	762.54	500	3000	0	0	3000	4000	2.95	1500	4500	1971	8000	7500	762.33	8/29/2024	762.44	762.74	759.20
8/29/2024	762.33	500	3000	0	0	3000	4000	2.91	1400	4400	1957	8000	7500	762.12	8/30/2024	762.23	762.66	759.11
8/30/2024	762.12	500	3000	0	0	3000	4000	2.88	1300	4300	1942	8000	7500	761.91	8/31/2024	762.02	762.58	759.01
8/31/2024	761.91	500	1567	0	0	1567	4000	2.85	1200	2767	1928	8000	7500	761.82	9/1/2024	761.87	762.50	758.92
9/1/2024	761.82	500	1567	0	0	1567	4000		1100	2667	#N/A	8000	#N/A	761.73	**9/2/2024**		762.35	758.83
6/6/2020	**767.29**	500	3000	0	0	3000	5487	3.00	2000	5000	2000	8000	7500	777.12	**3/15/2019**		#N/A	#N/A

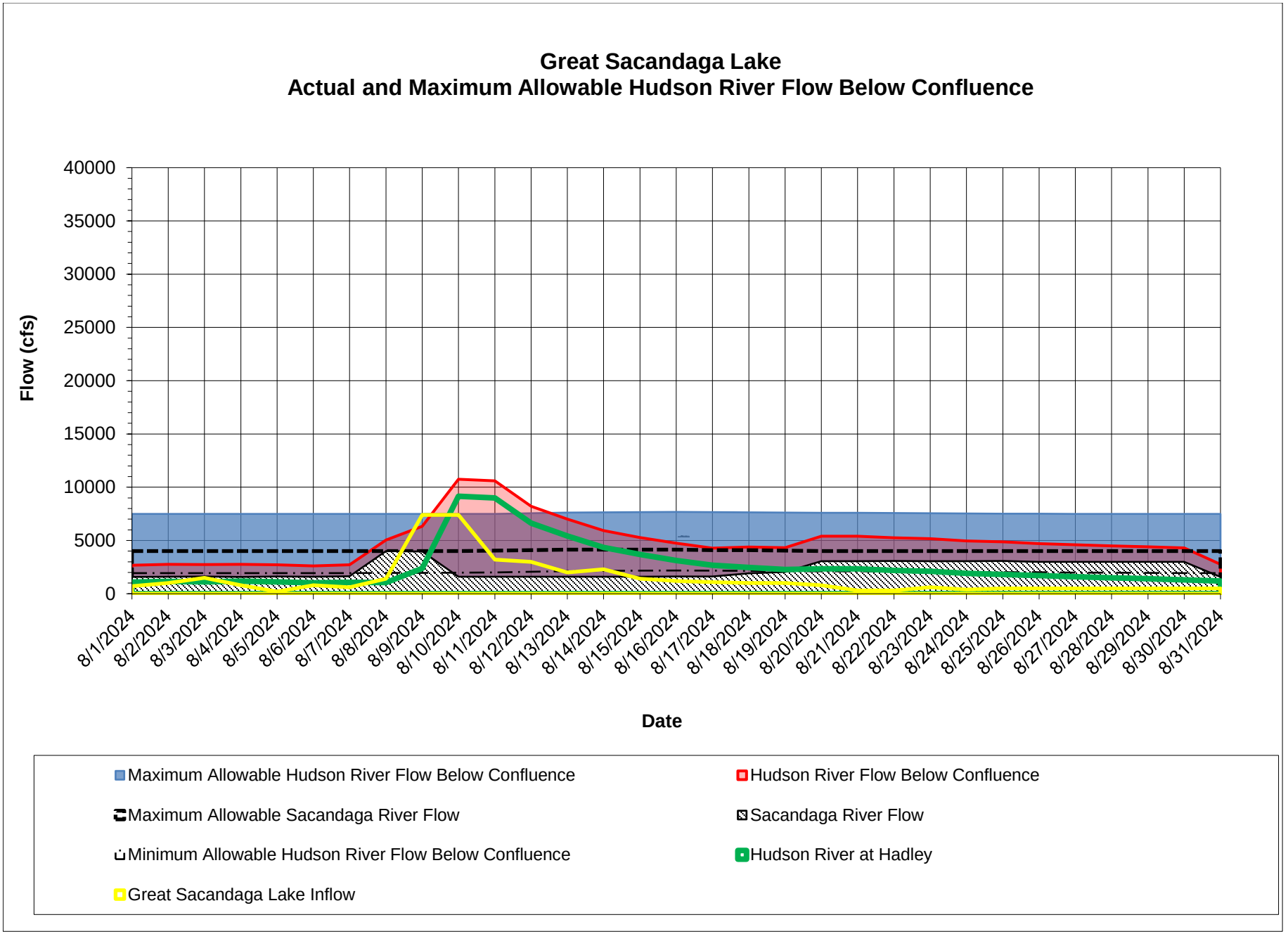
Signature:_____

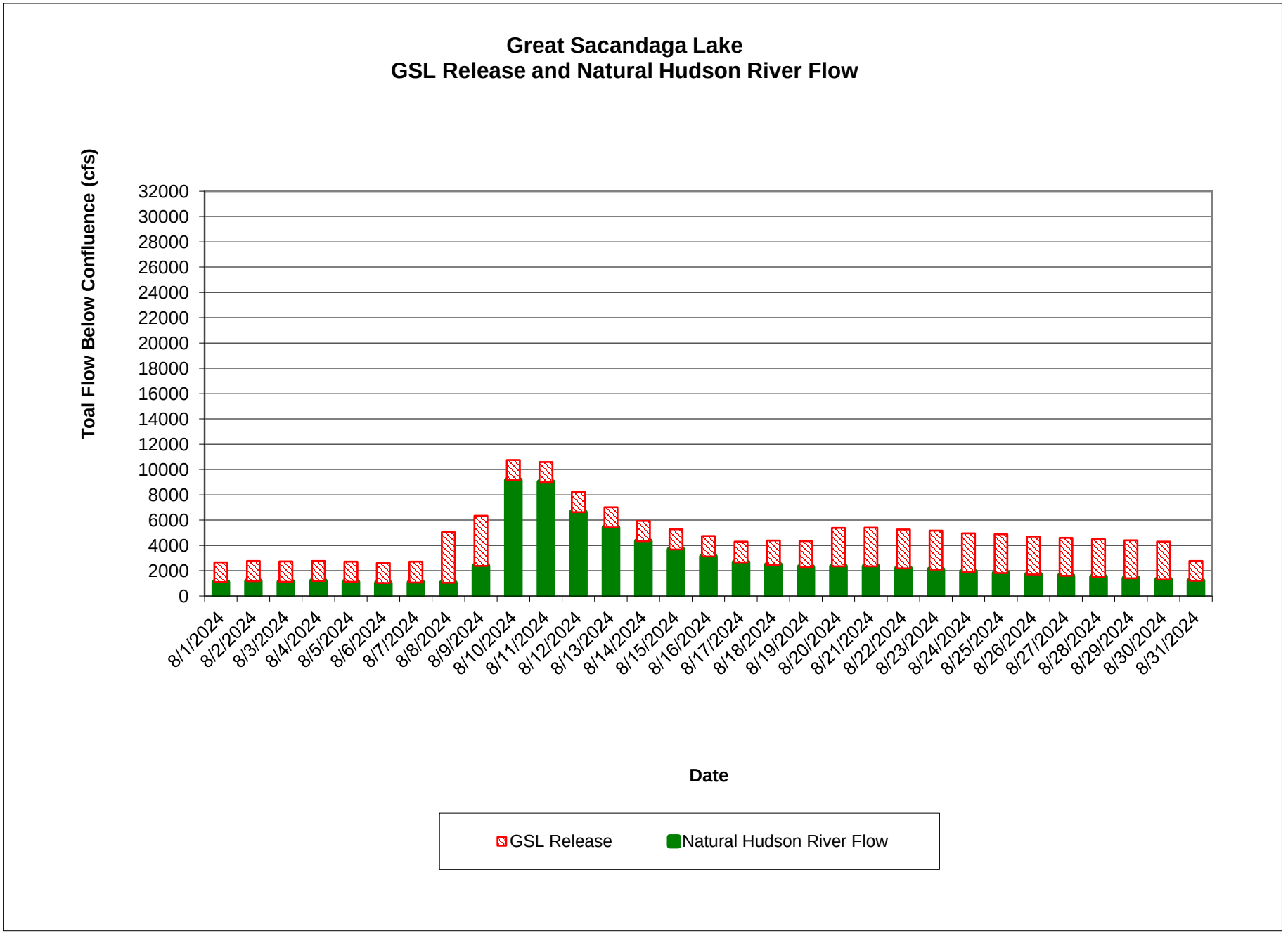
Date:_____

GREAT SACANDAGA LAKE
RESERVOIR OPERATION SUMMARY

Print Date: 8/26/2024
Period of Record: 8/1/2024 to 8/29/2024

Starting Date 12:00 AM	Daily Avg. Elevation	Net Average Inflow	**Sacandaga River Flow** Average Release	Maximum (Table F - Elev.)	Settlement Level	Hudson at Hadley	Hudson River Below Confluence	**Hudson River Target Flow** Minimum (Table B - Level)	Maximum (Table D & E)	Maximum Allowable Sacandaga
8/1/2024	764.12	700	1580	4000	2.87	1090	2670	1938	7500	4000
8/2/2024	764.06	1000	1600	4000	2.87	1160	2760	1938	7500	4000
8/3/2024	764.03	1500	1620	4000	2.87	1120	2740	1938	7500	4000
8/4/2024	763.99	800	1580	4000	2.87	1180	2760	1938	7500	4000
8/5/2024	763.89	200	1610	4000	2.87	1110	2720	1938	7500	4000
8/6/2024	763.80	800	1590	4000	2.87	1020	2610	1938	7500	4000
8/7/2024	763.72	600	1650	4000	2.87	1060	2710	1938	7500	4000
8/8/2024	763.57	1400	4000	4000	2.90	1040	5040	1952	7500	4000
8/9/2024	763.60	7400	3960	4000	2.94	2380	6340	1966	7500	4000
8/10/2024	763.96	7400	1600	4000	2.97	9150	10750	1986	7500	4000
8/11/2024	764.24	3200	1590	4047	3.00	9000	10590	2000	7500	4000
8/12/2024	764.36	3000	1590	4093	3.03	6630	8220	2060	7560	4047
8/13/2024	764.43	2000	1590	4140	3.06	5420	7010	2120	7620	4093
8/14/2024	764.47	2300	1590	4140	3.07	4340	5930	2140	7640	4140
8/15/2024	764.48	1400	1590	4140	3.08	3680	5270	2160	7660	4140
8/16/2024	764.45	1200	1620	4140	3.09	3120	4740	2180	7680	4140
8/17/2024	764.41	1100	1620	4093	3.08	2670	4290	2160	7660	4140
8/18/2024	764.34	1000	1920	4093	3.07	2470	4390	2140	7640	4093
8/19/2024	764.26	1000	2050	4047	3.07	2280	4330	2120	7620	4047
8/20/2024	764.12	800	3050	4000	3.06	2340	5390	2100	7600	4000
8/21/2024	763.92	300	3060	4000	3.05	2340	5400	2100	7600	4000
8/22/2024	763.70	300	3070	4000	3.04	2180	5250	2080	7580	4000
8/23/2024	763.49	600	3060	4000	3.03	2100	5160	2060	7560	4000
8/24/2024	763.28	400	3050	4000	3.03	1910	4960	2040	7540	4000
8/25/2024	763.07	500	3080	4000	3.01	1800	4880	2020	7520	4000
8/26/2024	762.86	500	3000	4000	3.01	1700	4700	2020	7520	4000
8/27/2024	762.65	500	3000	4000	2.98	1600	4600	1986	7500	4000
8/28/2024	762.44	500	3000	4000	2.95	1500	4500	1971	7500	4000
8/29/2024	762.23	500	3000	4000	2.91	1400	4400	1957	7500	4000
8/30/2024	762.02	500	3000	4000	2.88	1300	4300	1942	7500	4000
8/31/2024	761.87	500	1567	4000	2.85	1200	2767	1928	7500	4000


Great Sacandaga Lake
Actual and Maximum Allowable Hudson River Flow Below Confluence
Flow (cfs)
40000
35000
30000
25000
20000
15000
10000
5000
0
8/1/2024
8/2/2024
8/3/2024
8/4/2024
8/5/2024
8/6/2024
8/7/2024
8/8/2024
8/9/2024
8/10/2024
8/11/2024
8/12/2024
8/13/2024
8/14/2024
8/15/2024
8/16/2024
8/17/2024
8/18/2024
8/19/2024
8/20/2024
8/21/2024
8/22/2024
8/23/2024
8/24/2024
8/25/2024
8/26/2024
8/27/2024
8/28/2024
8/29/2024
8/30/2024
8/31/2024
Date
Maximum Allowable Hudson River Flow Below Confluence
Hudson River Flow Below Confluence
Maximum Allowable Sacandaga River Flow
Sacandaga River Flow
Minimum Allowable Hudson River Flow Below Confluence
Hudson River at Hadley
Great Sacandaga Lake Inflow


Great Sacandaga Lake
GSL Release and Natural Hudson River Flow
Toal Flow Below Confluence (cfs)
32000
30000
28000
26000
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
8/1/2024
8/2/2024
8/3/2024
8/4/2024
8/5/2024
8/6/2024
8/7/2024
8/8/2024
8/9/2024
8/10/2024
8/11/2024
8/12/2024
8/13/2024
8/14/2024
8/15/2024
8/16/2024
8/17/2024
8/18/2024
8/19/2024
8/20/2024
8/21/2024
8/22/2024
8/23/2024
8/24/2024
8/25/2024
8/26/2024
8/27/2024
8/28/2024
8/29/2024
8/30/2024
8/31/2024
Date
GSL Release
Natural Hudson River Flow

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SACANDAGA RESERVOIR / HUDSON RIVER REGULATION

Monthly Report for: July 2024

Day	Sacandaga Reservoir Elevation Average Daily	Sacandaga Reservoir Elevation Midnight	Sacandaga River Near Hope cfs	Reservoir Inflow Hope x 2.2184 cfs	Sacandaga River at Stewarts Bridge cfs	Hudson River at Hadley cfs	Regulated Hudson River below confluence cfs
1	766.34	766.42	760	1686	1600	2830	4430
2	766.29	766.30	568	1260	1610	2950	4560
3	766.23	766.24	464	1029	1610	2500	4110
4	766.16	766.21	359	796	1610	1960	3570
5	766.06	766.07	357	792	1570	1710	3280
6	766.01	766.00	284	630	1580	1440	3020
7	765.94	765.99	269	597	1580	1400	2980
8	765.82	765.88	273	606	1610	1310	2920
9	765.72	765.75	303	672	1590	1180	2770
10	765.62	765.65	258	572	1590	1120	2710
11	765.58	765.59	746	1655	1600	2640	4240
12	765.51	765.54	678	1504	1570	4950	6520
13	765.43	765.46	505	1120	1580	4630	6210
14	765.34	765.36	426	945	1580	3710	5290
15	765.27	765.28	361	801	1580	2960	4540
16	765.26	765.36	306	679	1590	2610	4200
17	765.28	765.40	878	1948	1590	3030	4620
18	765.25	765.30	567	1258	1590	3280	4870
19	765.16	765.18	431	956	1600	2890	4490
20	765.08	765.10	366	812	1580	2420	4000
21	764.95	764.99	297	659	1590	2110	3700
22	764.85	764.91	280	621	1590	1780	3370
23	764.76	764.78	269	597	1590	1520	3110
24	764.68	764.75	341	756	1600	1590	3190
25	764.69	764.70	889	1972	1600	2020	3620
26	764.60	764.68	598	1327	1590	1880	3470
27	764.52	764.56	461	1023	1590	1610	3200
28	764.43	764.46	394	874	1590	1380	2970
29	764.33	764.36	321	712	1740	1200	2940
30	764.22	764.28	303	672	1580	1040	2620
31	764.17	764.16	278	617	1590	1100	2690
AVERAGE			438	970	1600	2220	3810

CHANGE IN STORAGE DURING THE MONTH -2.41 B.C.F.

CHIEF ENGINEER

88 NAVD

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
INDIAN LAKE RESERVOIR REGULATION

Monthly Report for: July, 2024

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Indian River at Indian Lake cfs	Hudson River at Newcomb cfs	Regulated Hudson River at North Creek cfs
1	1649.19	1649.19	340	384	867	2130
2	1649.13	1649.17	188	386	677	2030
3	1649.04	1649.08	163	383	439	1510
4	1648.92	1648.98	74	382	318	1270
5	1648.79	1648.85	140	382	255	970
6	1648.67	1648.73	79	382	229	965
7	1648.54	1648.60	110	381	218	884
8	1648.39	1648.46	67	379	201	763
9	1648.28	1648.31	78	203	177	791
10	1648.28	1648.25	479	125	165	457
11	1648.53	1648.42	417	125	890	3810
12	1648.57	1648.56	180	201	1720	3590
13	1648.54	1648.55	151	234	1260	2720
14	1648.48	1648.51	88	234	806	1850
15	1648.41	1648.44	234	234	522	1300
16	1648.40	1648.44	363	238	403	1260
17	1648.52	1648.50	299	237	598	1560
18	1648.53	1648.53	194	236	807	1760
19	1648.49	1648.51	152	235	601	1380
20	1648.43	1648.47	4	233	424	1210
21	1648.35	1648.37	128	232	315	949
22	1648.27	1648.31	45	232	255	713
23	1648.21	1648.22	170	232	248	786
24	1648.16	1648.19	170	232	241	716
25	1648.17	1648.16	232	232	272	942
26	1648.13	1648.16	92	238	309	882
27	1648.07	1648.10	144	269	285	939
28	1647.99	1648.03	82	269	245	813
29	1647.90	1647.94	82	269	210	637
30	1647.82	1647.86	143	268	186	721
31	1647.73	1647.79	39	268	176	622
AVERAGE			165	269	462	1320

-0.254 B.C.F

CHIEF ENGINEER

NAVD 88

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
STILLWATER RESERVOIR / BLACK RIVER REGULATION

Monthly Report for: July 2024

Day	Stillwater Reservoir Elevation Average Daily	Stillwater Reservoir Elevation Midnight	Stillwater Reservoir Net Inflow cfs	Stillwater Reservoir Release cfs	Black River at Boonville cfs	Beaver River at Croghan cfs	Regulated Black River at Watertown cfs
1	1678.15	1678.11	519	300	1730	772	6560
2	1678.18	1678.18	358	358	1210	725	7120
3	1678.14	1678.18	150	400	968	588	7120
4	1648.08	1678.10	275	400	680	463	6230
5	1678.03	1678.06	182	400	514	520	4610
6	1678.03	1677.99	618	400	449	536	3550
7	1678.04	1678.06	275	400	454	623	3240
8	1678.00	1678.02	247	400	397	589	2820
9	1677.93	1677.97	188	400	348	550	2490
10	1678.19	1677.90	4306	400	582	771	2400
11	1679.76	1679.15	3659	400	1230	4230	10500
12	1680.31	1680.16	1642	850	938	2900	13100
13	1680.41	1680.40	1137	1170	673	1690	11700
14	1680.34	1680.39	907	1237	522	1570	9570
15	1680.25	1680.29	973	1138	417	1420	7340
16	1680.30	1680.24	1945	1252	655	1690	6180
17	1680.50	1680.45	1696	1465	1470	2500	9450
18	1680.46	1680.52	1067	1430	1370	2430	9340
19	1680.33	1680.41	775	1237	830	1880	8940
20	1680.20	1680.27	662	1058	560	1380	7910
21	1680.09	1680.15	557	920	452	1190	6300
22	1679.99	1680.04	453	810	398	937	4690
23	1679.90	1679.93	520	745	412	889	3430
24	1679.82	1679.86	448	705	484	896	3350
25	1679.74	1679.78	507	700	826	933	4070
26	1679.66	1679.72	314	700	831	876	5270
27	1679.54	1679.60	314	700	690	900	5090
28	1679.41	1679.48	282	700	565	832	4120
29	1679.27	1679.35	218	700	503	762	3310
30	1679.13	1679.20	314	700	403	712	2790
31	1679.02	1679.08	475	700	388	838	2570
AVERAGE			838	748	710	1210	5970

CHANGE IN STORAGE DURING THE MONTH 0.32 B.C.F.

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
SIXTH LAKE RESERVOIR REGULATION

Monthly Report for: July, 2024

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1786.17	1786.27	166	1.67	1.67	166
2	1786.00	1786.06	85	0.25	0.25	85
3	1785.98	1785.99	30	0.25	0.25	30
4	1785.96	1785.97	30	0.25	0.25	30
5	1785.94	1785.95	30	0.25	0.25	30
6	1785.89	1785.91	30	0.25	0.25	30
7	1785.87	1785.89	30	0.25	0.25	30
8	1785.84	1785.85	14	0.04	0.00	14
9	1785.82	1785.83	3	0.04	0.00	3
10	1785.83	1785.81	3	0.04	0.00	3
11	1785.93	1785.88	3	0.04	0.00	3
12	1785.99	1785.96	3	0.04	0.00	3
13	1786.02	1786.00	3	0.04	0.00	3
14	1786.03	1786.02	3	0.04	0.00	3
15	1786.05	1786.03	4	0.04	0.00	4
16	1786.16	1786.07	38	1.00	1.00	38
17	1786.19	1786.24	100	1.00	1.00	100
18	1786.04	1786.12	68	0.08	0.00	68
19	1786.03	1786.02	5	0.08	0.00	5
20	1786.03	1786.03	5	0.08	0.00	5
21	1786.03	1786.03	5	0.08	0.00	5
22	1786.03	1786.03	5	0.08	0.00	5
23	1786.05	1786.03	5	0.08	0.00	5
24	1786.07	1786.05	5	0.08	0.00	5
25	1786.12	1786.12	5	0.08	0.00	5
26	1786.14	1786.13	11	0.25	0.00	11
27	1786.13	1786.13	15	0.25	0.00	15
28	1786.11	1786.12	15	0.25	0.00	15
29	1786.10	1786.10	15	0.25	0.00	15
30	1786.08	1786.09	15	0.25	0.00	15
31	1786.10	1786.08	15	0.25	0.00	15
AVERAGE			25			25

CHANGE IN STORAGE DURING THE MONTH -0.003 B.C.F

CHIEF ENGINEER

88 NAVD

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT
OLD FORGE RESERVOIR REGULATION

Monthly Report for: July, 2024

Day	Reservoir Elevation Average Daily	Reservoir Elevation Midnight	Net Reservoir Inflow cfs	Gate Opening (ft)		Reservoir Release (cfs)
				Gate A	Gate B	
1	1707.06	1707.07	209	3.00	3.00	258
2	1706.99	1707.04	79	3.00	3.00	257
3	1706.89	1706.93	70	0.50	0.50	135
4	1706.90	1706.89	84	0.50	0.50	52
5	1706.91	1706.91	36	0.50	0.50	52
6	1706.88	1706.90	36	0.50	0.50	52
7	1706.87	1706.89	22	0.50	0.50	52
8	1706.86	1706.87	23	0.08	0.00	23
9	1706.87	1706.87	19	0.08	0.00	4
10	1706.90	1706.88	132	0.08	0.00	4
11	1706.95	1706.96	20	0.08	0.00	4
12	1706.98	1706.97	36	0.08	0.00	4
13	1706.99	1706.99	20	0.08	0.00	4
14	1707.00	1707.00	20	0.08	0.00	4
15	1707.01	1707.01	103	0.17	0.00	6
16	1707.12	1707.07	263	2.67	2.67	101
17	1707.13	1707.17	124	2.67	2.67	254
18	1707.06	1707.09	168	0.33	0.33	168
19	1707.08	1707.09	15	0.33	0.33	31
20	1707.06	1707.08	-1	0.33	0.33	31
21	1707.05	1707.06	-1	0.33	0.33	31
22	1707.03	1707.04	-1	0.33	0.33	31
23	1707.04	1707.02	112	0.33	0.33	31
24	1707.09	1707.07	209	0.33	0.33	31
25	1707.15	1707.18	-1	0.33	0.33	31
26	1707.17	1707.16	53	0.58	0.58	53
27	1707.15	1707.16	20	0.58	0.58	69
28	1707.12	1707.13	37	0.58	0.58	69
29	1707.09	1707.11	20	0.58	0.58	69
30	1707.07	1707.08	69	0.58	0.58	69
31	1707.08	1707.08	166	0.58	0.58	69
AVERAGE			70			66

CHANGE IN STORAGE DURING THE MONTH 0.004 B.C.F

CHIEF ENGINEER

88 NAVD

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

SACANDAGA RESERVOIR OPERATION

FOR WEEK ENDING: August 3, 2024

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. (1)	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 27	764.56	31.42	12 AM - Mid	1,590	1,610	3,200
Sunday 28	764.46	31.32	12 AM - Mid	1,590	1,380	2,970
Monday 29	764.36	31.21	12 AM - Mid	1,740	1,200	2,940
Tuesday 30	764.28	31.12	12 AM - Mid	1,580	1,040	2,620
Wednesday 31	764.16	30.99	12 AM - Mid	1,590	1,100	2,690
Thursday 1	764.20	31.03	12 AM - Mid	1,580	1,090	2,670
Friday 2	764.06	30.87	12 AM - Mid	1,600	1,160	2,760
Saturday 3	764.03	30.85	12 AM - Mid	1,620	1,120	2,740
CHANGE IN STORAGE DURING THE WEEK		-0.57				

* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	768.01	35.29	6	2015	763.71	30.50
2	2017	764.83	31.73	7	2022	763.16	29.90
3	2023	764.28	31.12	8	2016	762.37	29.04
4	2024	764.03	30.85	9	2018	762.08	28.73
5	2019	763.75	30.54	10	2020	761.64	28.26

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

SACANDAGA RESERVOIR OPERATION

FOR WEEK ENDING: August 10, 2024

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. (1)	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 3	764.03	30.85	12 AM - Mid	1,620	1,120	2,740
Sunday 4	764.04	30.86	12 AM - Mid	1,580	1,180	2,760
Monday 5	763.95	30.76	12 AM - Mid	1,610	1,110	2,720
Tuesday 6	763.81	30.60	12 AM - Mid	1,590	1,020	2,610
Wednesday 7	763.78	30.57	12 AM - Mid	1,650	1,060	2,710
Thursday 8	763.67	30.45	12 AM - Mid	4,000	1,040	5,040
Friday 9	763.47	30.24	12 AM - Mid	3,960	2,380	6,340
Saturday 10	763.71	30.50	12 AM - Mid	1,600	9,150	10,750
CHANGE IN STORAGE DURING THE WEEK		-0.35				

* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2021	766.20	33.24	6	2015	762.78	29.49
2	2017	764.54	31.41	7	2022	762.35	29.02
3	2023	764.40	31.25	8	2016	761.67	28.29
4	2024	763.71	30.50	9	2020	761.57	28.19
5	2019	763.00	29.73	10	2018	761.39	27.99

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

SACANDAGA RESERVOIR OPERATION

FOR WEEK ENDING: August 17, 2024

DATE	SACANDAGA RESERVOIR			HUDSON RIVER FLOW		
	WATER SURFACE ELEV. 12 A.M.	TOTAL STORAGE B.C.F. (1)	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	HADLEY AVG. DAILY C.F.S.	SPIER FALLS AVG. DAILY C.F.S.
Saturday 10	763.71	30.50	12 AM - Mid	1,600	9,150	10,750
Sunday 11	764.17	31.00	12 AM - Mid	1,590	9,000	10,590
Monday 12	764.28	31.12	12 AM - Mid	1,590	6,630	8,220
Tuesday 13	764.41	31.26	12 AM - Mid	1,590	5,420	7,010
Wednesday 14	764.43	31.29	12 AM - Mid	1,590	4,340	5,930
Thursday 15	764.54	31.41	12 AM - Mid	1,590	3,680	5,270
Friday 16	764.47	31.33	12 AM - Mid	1,620	3,120	4,740
Saturday 17	764.40	31.25	12 AM - Mid	1,610	2,670	4,280
CHANGE IN STORAGE DURING THE WEEK		0.75				

* SACANDAGA RIVER AT STEWARTS BRIDGE INCLUDES 350 CFS MINIMUM CONTINUOUS RELEASE

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2023	764.65	31.53	6	2015	762.13	28.79
2	2024	764.40	31.25	7	2022	761.40	28.00
3	2021	764.12	30.94	8	2016	761.30	27.90
4	2017	763.85	30.65	9	2020	760.75	27.32
5	2019	762.36	29.03	10	2018	760.66	27.22

CAPACITY AT SPILLWAY CREST (EL 770.12) 37.72 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 734.12) 4.60 B.C.F.

(1) Includes dead storage below El. 734.12 ft.
Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

INDIAN LAKE RESERVOIR OPERATION

FOR WEEK ENDING: August 3, 2024

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 27	1,648.10	3.15	12 AM - Mid	267	285	939
Sunday 28	1,648.03	3.14	12 AM - Mid	267	245	813
Monday 29	1,647.94	3.13	12 AM - Mid	267	210	637
Tuesday 30	1,647.86	3.11	12 AM - Mid	266	186	721
Wednesday 31	1,647.79	3.10	12 AM - Mid	265	176	622
Thursday 1	1,647.68	3.08	12 AM - Mid	265	188	824
Friday 2	1,647.59	3.06	12 AM - Mid	264	206	678
Saturday 3	1,647.52	3.05	12 AM - Mid	265	203	821

CHANGE IN STORAGE DURING THE WEEK	-0.10

* INIDAN RIVER NEAR INDIAN LAKE

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2022	1,647.87	3.11	6	2023	1,647.18	2.99
2	2021	1,647.53	3.05	7	2017	1,646.96	2.95
3	2024	1,647.52	3.05	8	2015	1,646.92	2.94
4	2020	1,647.42	3.03	9	2019	1,646.80	2.92
5	2018	1,647.40	3.03	10	2016	1,646.09	2.80

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

INDIAN LAKE RESERVOIR OPERATION

FOR WEEK ENDING: August 10, 2024

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 3	1,647.52	3.05	12 AM - Mid	265	203	821
4	1,647.51	3.05	12 AM - Mid	265	188	772
Monday 5	1,647.45	3.04	12 AM - Mid	265	169	617
Tuesday 6	1,647.36	3.02	12 AM - Mid	264	153	724
Wednesday 7	1,647.26	3.00	12 AM - Mid	362	136	532
Thursday 8	1,647.12	2.98	12 AM - Mid	600	118	873
Friday 9	1,646.97	2.95	12 AM - Mid	610	413	2,500
Saturday 10	1,647.41	3.03	12 AM - Mid	598	2,460	8,170

CHANGE IN STORAGE DURING THE WEEK	-0.02

* INIDAN RIVER NEAR INDIAN LAKE

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2023	1,647.50	3.05	6	2018	1,647.09	2.97
2	2017	1,647.49	3.04	7	2021	1,647.07	2.97
3	2020	1,647.46	3.04	8	2019	1,646.56	2.88
4	2024	1,647.41	3.03	9	2015	1,646.26	2.83
5	2022	1,647.33	3.02	10	2016	1,645.56	2.71

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

INDIAN LAKE RESERVOIR OPERATION

FOR WEEK ENDING: August 17, 2024

DATE	INDIAN LAKE RESERVOIR			INDIAN RIVER	HUDSON RIVER	
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	RELEASE AVG. DAILY C.F.S.*	NEWCOMB AVG. DAILY C.F.S.	NORTH CREEK AVG. DAILY C.F.S.
Saturday 10	1,647.41	3.03	12 AM - Mid	598	2,460	8,170
Sunday 11	1,648.01	3.14	12 AM - Mid	600	2,410	6,620
Monday 12	1,648.14	3.16	12 AM - Mid	600	1,540	4,400
Tuesday 13	1,648.08	3.15	12 AM - Mid	585	1,010	3,080
Wednesday 14	1,647.98	3.13	12 AM - Mid	548	654	2,200
Thursday 15	1,647.84	3.11	12 AM - Mid	542	468	1,850
Friday 16	1,647.68	3.08	12 AM - Mid	535	365	1,450
Saturday 17	1,647.50	3.05	12 AM - Mid	530	297	1,340

CHANGE IN STORAGE DURING THE WEEK	0.02

* INIDAN RIVER NEAR INDIAN LAKE

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2023	1,647.81	3.10	6	2022	1,646.84	2.93
2	2024	1,647.50	3.05	7	2018	1,646.80	2.92
3	2020	1,647.18	2.99	8	2019	1,646.33	2.84
4	2017	1,647.14	2.98	9	2015	1,645.76	2.74
5	2021	1,646.88	2.93	10	2016	1,645.28	2.66

CAPACITY AT SPILLWAY CREST (EL 1651.01) 3.7 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

STILLWATER RESERVOIR OPERATION

FOR WEEK ENDING: August 3, 2024

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 27	1,679.60	4.86	12 AM -Mid	700	900	5,090
Sunday 28	1,679.48	4.83	12 AM -Mid	700	832	4,120
Monday 29	1,679.35	4.79	12 AM -Mid	700	762	3,310
Tuesday 30	1,679.20	4.75	12 AM -Mid	700	712	2,790
Wednesday 31	1,679.08	4.71	12 AM -Mid	700	838	2,570
Thursday 1	1,679.01	4.70	12 AM -Mid	700	871	2,910
Friday 2	1,678.90	4.67	12 AM -Mid	700	891	2,880
Saturday 3	1,678.76	4.63	12 AM -Mid	700	816	2,700
CHANGE IN STORAGE DURING THE WEEK		-0.23				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2024	1,678.76	4.63	6	2016	1,674.99	3.66
2	2022	1,676.68	4.08	7	2019	1,674.85	3.62
3	2021	1,676.30	3.98	8	2015	1,674.50	3.54
4	2023	1,676.08	3.92	9	2020	1,673.40	3.28
5	2017	1,675.20	3.71	10	2018	1,672.04	2.98

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

STILLWATER RESERVOIR OPERATION

FOR WEEK ENDING: August 10, 2024

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 3	1,678.76	4.63	12 AM -Mid	700	816	2,700
Sunday 4	1,678.60	4.58	12 AM -Mid	700	824	2,680
Monday 5	1,678.44	4.54	12 AM -Mid	700	796	2,570
Tuesday 6	1,678.28	4.50	12 AM -Mid	700	824	2,330
Wednesday 7	1,678.12	4.45	12 AM -Mid	700	691	2,310
Thursday 8	1,677.93	4.41	12 AM -Mid	888	921	2,150
Friday 9	1,677.78	4.36	12 AM -Mid	1,000	1,300	3,410
Saturday 10	1,678.18	4.47	12 AM -Mid	1,000	2,750	11,400
CHANGE IN STORAGE DURING THE WEEK		-0.16				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2023	1,678.99	4.69	6	2016	1,674.44	3.52
2	2024	1,678.18	4.47	7	2019	1,674.12	3.45
3	2022	1,676.16	3.95	8	2015	1,673.99	3.42
4	2021	1,676.11	3.93	9	2020	1,672.82	3.15
5	2017	1,674.54	3.55	10	2018	1,671.17	2.79

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

STILLWATER RESERVOIR OPERATION

FOR WEEK ENDING: August 17, 2024

DATE	STILLWATER RESERVOIR			BEAVER RIVER		BLACK RIVER
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	PERIODS OF RELEASE	STILLWATER RELEASE AVG. DAILY C.F.S.	CROGHAN AVG. DAILY FLOW C.F.S.	WATERTOWN AVG. DAILY FLOW C.F.S.
Saturday 10	1,678.18	4.47	12 AM -Mid	1,000	2,750	11,400
Sunday 11	1,678.42	4.54	12 AM -Mid	1,000	2,210	11,500
Monday 12	1,678.42	4.54	12 AM -Mid	1,000	1,580	12,300
Tuesday 13	1,678.36	4.52	12 AM -Mid	1,000	1,450	11,800
Wednesday 14	1,678.25	4.49	12 AM -Mid	1,000	1,230	10,400
Thursday 15	1,678.08	4.44	12 AM -Mid	1,000	1,200	8,730
Friday 16	1,677.90	4.40	12 AM -Mid	1,000	1,150	6,970
Saturday 17	1,677.70	4.34	12 AM -Mid	1,000	1,150	5,580
CHANGE IN STORAGE DURING THE WEEK		-0.13				

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST TEN YEARS

NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2023	1,678.78	4.63	6	2017	1,673.82	3.38
2	2024	1,677.70	4.34	7	2015	1,673.76	3.36
3	2021	1,676.09	3.93	8	2019	1,673.58	3.32
4	2022	1,675.48	3.78	9	2020	1,672.13	3.00
5	2016	1,673.95	3.41	10	2018	1,670.32	2.62

CAPACITY AT SPILLWAY CREST (EL 1677.19) 4.213 B.C.F.
CAPACITY AT LOW FLOW LINE (EL 1650.69) 0.10 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

FULTON CHAIN RESERVOIR OPERATION

FOR WEEK ENDING: August 3, 2024

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 27	1,707.16	0.948	69	1,786.13	0.306	15
Sunday 28	1,707.13	0.944	69	1,786.12	0.306	15
Monday 29	1,707.11	0.940	69	1,786.10	0.305	15
Tuesday 30	1,707.08	0.936	69	1,786.09	0.305	15
Wednesday 31	1,707.08	0.936	69	1,786.08	0.305	15
Thursday 1	1,707.14	0.945	69	1,786.16	0.307	15
Friday 2	1,707.12	0.941	69	1,786.17	0.307	15
Saturday 3	1,707.11	0.940	69	1,786.17	0.307	15
CHANGE IN STORAGE		-0.008			0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2024	1,707.11	0.940	1	2024	1,786.17	0.307
2	2021	1,707.05	0.931	2	2022	1,786.07	0.304
3	2023	1,707.02	0.927	3	2023	1,786.01	0.302
4	2022	1,706.88	0.909	4	2020	1,785.97	0.301
5	2020	1,706.86	0.905	5	2021	1,785.96	0.301

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

FULTON CHAIN RESERVOIR OPERATION

FOR WEEK ENDING: August 10, 2024

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 3	1,707.11	0.940	69	1,786.17	0.307	15
Sunday 4	1,707.09	0.937	69	1,786.18	0.308	15
Monday 5	1,707.04	0.930	69	1,786.16	0.307	15
Tuesday 6	1,707.02	0.927	69	1,786.15	0.307	15
Wednesday 7	1,706.99	0.924	69	1,786.13	0.306	15
Thursday 8	1,706.94	0.917	69	1,786.10	0.305	15
Friday 9	1,706.95	0.919	224	1,786.12	0.306	129
Saturday 10	1,707.22	0.957	363	1,786.20	0.308	210
CHANGE IN STORAGE		0.017			0.001	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2024	1,707.22	0.957	1	2024	1,786.20	0.308
2	2021	1,707.06	0.933	2	2022	1,786.05	0.304
3	2023	1,707.00	0.926	3	2023	1,786.02	0.303
4	2020	1,706.92	0.915	4	2021	1,785.99	0.302
5	2022	1,706.90	0.912	5	2020	1,785.84	0.297

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

STATE OF NEW YORK
HUDSON RIVER-BLACK RIVER REGULATING DISTRICT

FULTON CHAIN RESERVOIR OPERATION

FOR WEEK ENDING: August 17, 2024

DATE	OLD FORGE RESERVOIR			SIXTH LAKE RESERVOIR		
	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.	WATER SURFACE ELEV. 12 A.M.	AVAIL. STORAGE B.C.F.	RELEASE AVG. DAILY C.F.S.
Saturday 10	1,707.22	0.957	363	1,786.20	0.308	210
Sunday 11	1,707.20	0.954	361	1,785.99	0.302	92
Monday 12	1,707.09	0.937	189	1,785.98	0.301	17
Tuesday 13	1,707.04	0.930	69	1,786.03	0.303	22
Wednesday 14	1,707.04	0.930	69	1,786.04	0.303	22
Thursday 15	1,707.03	0.929	69	1,786.06	0.304	22
Friday 16	1,707.01	0.927	69	1,786.06	0.304	22
Saturday 17	1,707.00	0.926	69	1,786.05	0.304	22
CHANGE IN STORAGE		-0.031			-0.005	

ELEVATIONS AND CAPACITIES ON THIS DATE FOR THE PAST FIVE YEARS

OLD FORGE RESERVOIR				SIXTH LAKE RESERVOIR			
NO.	YEAR	ELEV.	CAPACITY	NO.	YEAR	ELEV.	CAPACITY
1	2024	1,707.00	0.926	1	2023	1,786.12	0.306
2	2021	1,706.96	0.920	2	2024	1,786.05	0.304
3	2023	1,706.93	0.916	3	2022	1,786.03	0.303
4	2022	1,706.86	0.905	4	2021	1,785.95	0.300
5	2020	1,706.86	0.905	5	2020	1,785.81	0.296

OLD FORGE CAPACITY AT SPILLWAY CREST (EL 1706.99) 0.924 B.C.F.
SIXTH LAKE CAPACITY AT SPILLWAY CREST (EL 1785.83) 0.297 B.C.F.

Datum: NAVD 88

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CHIEF ENGINEER

Hudson River Area
Report of the Operations Manager
Sacandaga Field Office at Great Sacandaga Lake
September Board Meeting 2023

Activity report for June, July, & August 2024

SFO

- Cleaned offices and conference room weekly.
- Performed maintenance on vehicles and equipment.
- Performed lawn maintenance as needed.
- Installed 300 ton of rip rap to the shoreline.
- Continued removing several trees and debris at multiple locations on the GSL.
- Responded to the tornado damage to HRBRRD property on July 16 in Edinburg.
- Cut and removed several trees from permit areas, hauled them to CVD.

Indian Lake

- Installed a new 4x8 dam rehabilitation project sign.

Conklingville Dam

- Read and reported piezometer data including spillway and toe observations daily.
- Performed maintenance on vehicles and equipment.
- Performed lawn maintenance as needed.
- Stockpiled several logs from the tornado damage in Edinburg.

Respectfully,

Matthew Ginter

Operations Manager

Black River Area
Report of the Superintendent
Black River Field Office at the Stillwater Reservoir (BRFO)
June – July - August 2024

- Road maintenance, raking
- Vehicle/equipment maintenance
- Finished repairs on Evergreen Road
- Daily monitoring of Piezometers, flashboards
- Continued barn renovation project
- Installed new battery in Sutron at SL
- Tested Conklinville mower on earthen embankment at SW
- Repairs on Gate #1 at OF done by dive crew
- Repairs to booms at OF
- Continued mowing facilities
- Installed four new booms at SW Dam
- Communication with engineering staff on Hawkinsville Project
- Attended meeting with Northern Power and Executive Director
- Fertilized and limed North/South Embankments
- Hydro inspections performed weekly
- Worked on procurement of a new vehicle at BRFO
- Debris removal at Auxiliary Spillway
- SW staff gauges and Stevens recorder moved to 1988 NAVD (corrected)
- Monitoring continues: piezometers, weirs, profile surveys, seepage sites.
- Misc. gate changes at Stillwater, O.F. & S.L.
- Daily readings Stillwater, O.F. & S.L.

Indian River Lake Dam Rehabilitation Project (State ID#169-0758)
Construction Progress Report

Report No: **10**

Period: **07/17/24** through **08/16/24**

Date: August 16, 2024, 2024

Prepared for: Donald E. Canestrari, John Smith
Bureau of Flood Protection and Dam Safety, Division of Water

Prepared by: Colliers Engineering & Design

On behalf of the Hudson River Black River Regulating District (HRBRRD), Colliers Engineering & Design has prepared this letter in accordance with the requirements of the Dam Safety Permit – Condition 9 – Construction Reports.

Contractor's Progress Schedule, including revisions:

- The most recent construction schedule is dated July 10th and is attached to this progress report.

Summary of major work completed during period:

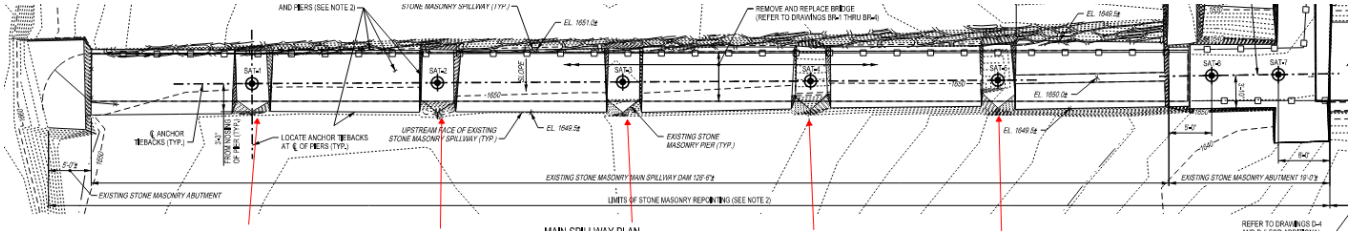
- SWPPP reports. – SWPPP Inspections conducted weekly, and reports located in binder onsite.
- Coring – Completed anchor tie back holes SAT1, SAT2, SAT3, SAT4, and SAT5 in the spillway piers.
- Water testing – Completed water tightness testing for SAT1, SAT2, SAT3, SAT4, and SAT5 in the spillway area. All hole failed first attempt for water tightness.
- Grouting – Grouted SAT1, SAT2, SAT3, SAT4, and SAT5 in the spillway area.
- Coring – re-cored and retested SAT1, SAT2, SAT3, SAT4, and SAT5 for water tightness in spillway are. All holes passed water tightness test.
- Divers – worked on the removal, cleaning, and repointing of mortar joints on the upstream side of both the spillway area and the non-overflow section of the dam.
- Repointing – Continued above water removal of damaged mortar and vegetation growth in mortar joints. Continued the application of mortar in joints.
- Access was moved for drill rig to commence drilling anchor holes on spillway piers.
- Scaffolding – Erected scaffolding for access to lower-level gates repointing work.
- Excavation – Excavated for core wall extension. Installed forms and streel reinforcement in preparation for concrete emplacement.
- Removal – Removal of existing sluice gates.

Summary of observations made by the on-site representative:

- Daily reports can be provided upon request.

Summary of observations made by the construction engineer during his site inspections:

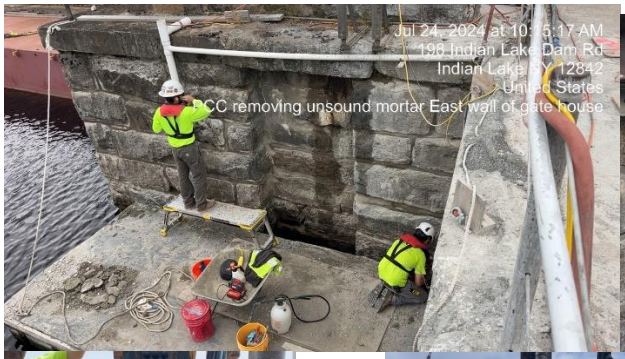
- Grouted anchor holes SAT1, SAT2, SAT3, SAT4, and SAT5 on the spillway piers to full depth.
- Preliminary inspection of material delivery of concrete weir box (quantities, material type, finish, and sizing). All materials met requirements.
- Preliminary inspection of partial material delivery of sluice gates (quantities, material type, finish, and sizing). All materials met requirements.
- Preliminary inspection of partial material delivery of debris boom (quantities, material type, finish, and sizing). All materials met requirements.

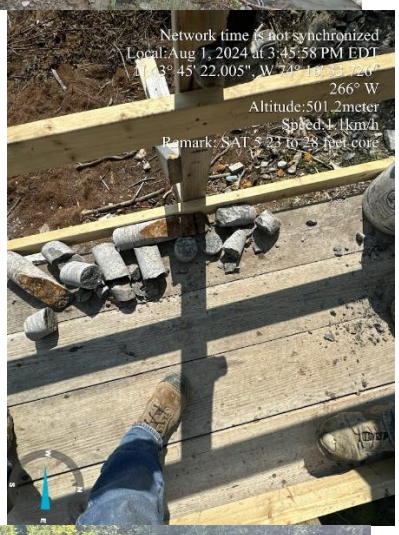


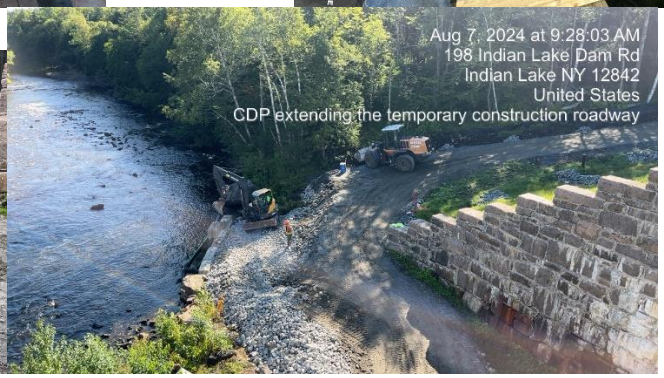
Construction photos:

- Photo 1 (below): Diver station for removal and replacement of deteriorated mortar below water.
- Photo 2 (below): Diver station for removal and replacement of deteriorated mortar below water.
- Photo 3 (below): Repointing upstream at gatehouse section.
- Photo 4 (below): Repointing downstream side of spillway section.
- Photo 5 (below): Water test at SAT3 in spillway section.
- Photo 6 (below): Core drilling at SAT1 in spillway section.
- Photo 7 (below): Core sample SAT5 in spillway section.
- Photo 8 (below): Temporary access.
- Photo 9 (below): Temporary access.

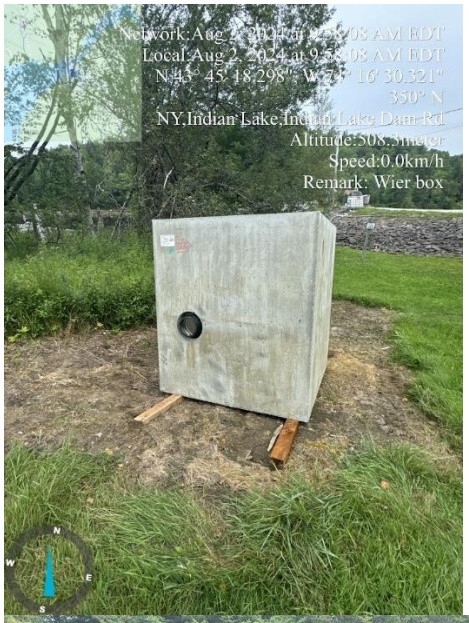
Colliers Engineering & Design







- Photo 10 (below): Wier box.
- Photo 11 (below): Sluice gates and accessories.
- Photo 12 (below): Debris boom.



- Photo 13 (below): Scaffolding erection.
- Photo 14 (below): Scaffolding erection.
- Photo 15 (below): Scaffolding erection.
- Photo 16 (below): Excavation for core wall extension.
- Photo 17 (below): Installation of forms for core wall extension.
- Photo 18 (below): Installation of forms for core wall extension.
- Photo 19 (below): Removal of existing sluice gates.

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Summary of work planned for the next two (2) weeks:

- Continue tertiary grout holes in preparation for grouting operations.
- Continue removal of damaged mortar.
- Continue repointing operations.
- Emplacement of concrete for core wall extension.
- Completion of access to downstream retention wall.

Construction reports will continue to be generated and filed throughout the duration of construction. Please do not hesitate to contact us at (315) 705-3894 should you have any questions or require additional information.

Sincerely,

Daniel J. Gildea

Daniel J. Gildea, PMP
Bergmann Associates
Project Manager
Attachments:

1. Most recent construction schedule.

RESOLUTION SCHEDULING DATE, TIME AND LOCATION OF THE OCTOBER 8, 2024 REGULAR BOARD MEETING

BE IT RESOLVED, that the next regular meeting of the Board of the Hudson River-Black River Regulating District will be held on Tuesday, October 8, 2024, at the Regulating District's Black River Field Office Conference Room, 116 Necessary Dam Road, Lowville, NY 13367, at 10:00 A.M.

Approved as to form:

_____
Robert P. Leslie
General Counsel

Motion was made by Mr./Mrs. _____ and seconded by Mr./Mrs. _____ that the Resolution be approved.

Present and Voting:

MEMBER	AYE	NOE	ABSTAIN
Mr. Finkle	_____	_____	_____
Mr. Candido	_____	_____	_____
Mr. Hayes	_____	_____	_____
Mr. De Witt	_____	_____	_____
Mr. Bird	_____	_____	_____
Mr. Reagan	_____	_____	_____
Mrs. Allen	_____	_____	_____