

Project Number and Title	Additional Information	Project Description	Project Justification
Production - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = \$7,904,418			
184219: Bolton Runner U1U2	<p>Project Type: Production In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$5,448,139</p>	<p>The project replaces the existing unit number two horizontal Kaplan turbine-generator unit at the Bolton Falls facility, rated at 3.75 MW, which was installed in 1986. The current unit will be replaced with a new variable pitch Kaplan unit coupled to a new 4500 KVA generator. As part of this project, Eaton engineered wiring upgrades and updated controls sequences will be installed to support the new unit. This project is currently underway, and we anticipate substantial completion in January of 2026. This project is part of a larger effort that includes:</p> <p>Full replacement of both turbine-generator units with modern Kaplan units. Improved efficiency and low-flow operation (minimum hydraulic capacity: 140 cfs vs. 365 cfs existing). Updated instrumentation and controls integrated into GMP's SCADA system. Installation of a new roof hatch in the powerhouse to rig the units safely.</p> <p>The unit one and roof hatch work project has already been completed so this Project will install the remaining components to update this facility.</p>	<p>The Bolton Falls units have reached the end of their reliable service life. The turbines, installed in 1986, have experienced increasing outages, declining performance, and rising maintenance costs. Based on a 2017 Norcan field assessment and HDR's 2021 condition evaluation, both units exhibited significant wear and performance degradation — including cavitation, erosion, and enlarged blade tip clearances (.055" original vs. 0.315" observed). Frequent failures of the Bestbell seal system (average life 1-1.5 years) have caused extended outages.</p> <p>HDR's 2021 report confirmed extensive wear on the runners, wicket gates, and stay vanes, alongside bearing and seal deterioration. In order to address these issues, GMP initiated a modernization effort to replace both units; this project is the second phase of this effort.</p> <p>Replacement of the two units will:</p> <ul style="list-style-type: none"> • Reduce unscheduled failures, emergency overtime and further generation losses. • Support GMP's renewable generation and grid reliability objectives.
192485: Montpelier PSP Upgrades	<p>Project Type: Production In-Service Month: 3 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$111,698</p>	<p>This project will improve GMP Public Safety Plans (PSPs) at the Montpelier District hydropower facilities. GMP is required to take diligent measures to protect public safety at hydropower projects that are documented in the form of a Public Safety Plan (PSPs). Typically, this includes signs, physical barriers, and operational considerations related to public safety. The PSP is submitted to the Dam Safety regulator for review and the implementation, and the adequacy of the plan is evaluated by the regulator and by GMP at subsequent Dam Safety inspections.</p> <p>This project is designed for compliance with the Canadian Dam Safety Association (CDA)’s robust methodology to evaluate public safety at hydropower projects. The CDA methodology is a recognized US industry leading standard and is included in FEMA’s best practices for dam safety warning signs.</p> <p>This project includes the following:</p> <ul style="list-style-type: none"> -Evaluation of all GMP projects by a third-party independent consultant against the CDA methodology and development of an updated PSP for facilities in this district (Marshall Hydro, West Danville Plant, Bolton Hydro, Middlesex Hydro, and Waterbury Dam). -Implementation of updated PSP items, including additional or adjusted signs, and operational changes. 	<p>This project was initiated in response to a 2023 public safety incident downstream of a GMP hydro facility, subsequent FERC regulatory direction, and consultant recommendations. This is a safety driven priority of GMP’s Dam Safety program for GMP hydro facilities, including these Montpelier facilities.</p>
192486: Middlebury PSP Upgrades	<p>Project Type: Production In-Service Month: 3 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$114,972</p>	<p>This project will improve GMP Public Safety Plans (PSPs) at the Middlebury District hydropower facilities. GMP is required to take diligent measures to protect public safety at hydropower projects that are documented in the form of a Public Safety Plan (PSPs). Typically, this includes signs, physical barriers, and operational considerations related to public safety. The PSP is submitted to the Dam Safety regulator for review and the implementation, and the adequacy of the plan is evaluated by the regulator and by GMP at subsequent Dam Safety inspections.</p> <p>This project is designed for compliance with the Canadian Dam Safety Association (CDA) robust methodology to evaluate public safety at hydropower projects. The CDA methodology is a recognized industry leading standard and is included in FEMA’s best practices for dam safety warning signs.</p> <p>This project includes the following:</p> <ul style="list-style-type: none"> -Evaluation of all GMP projects by a third-party independent consultant against the CDA methodology and development of an updated PSP for facilities within this district (Belden Falls Station, Huntington Falls Station, Middlebury Lower, Salisbury Hydro, Silver Lake Hydro, Weybridge Station, Vergennes Hydro). -Implementation of updated PSP items, including additional or adjusted signs, and operational changes. 	<p>This project was initiated in response to a 2023 public safety incident downstream of a GMP hydro facility, subsequent FERC regulatory direction, and consultant recommendations. This is a safety driven priority of GMP’s Dam Safety program for GMP hydro facilities, including these Middlebury facilities.</p>
192487: Rutland PSP Upgrades	<p>Project Type: Production In-Service Month: 3 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$105,971</p>	<p>This project will improve GMP Public Safety Plans (PSPs) at the Rutland District hydropower projects. GMP is required to take diligent measures to protect public safety at hydropower projects that are documented in the form of a Public Safety Plan (PSPs). Typically, this includes signs, physical barriers, and operational considerations related to public safety. The PSP is submitted to the Dam Safety regulator for review and the implementation, and the adequacy of the plan is evaluated by the regulator and by GMP at subsequent Dam Safety inspections.</p> <p>This project is designed for compliance with the Canadian Dam Safety Association (CDA) robust methodology to evaluate public safety at hydropower projects. The CDA methodology is a recognized industry leading standard and is included in FEMA’s best practices for dam safety warning signs.</p> <p>This project includes the following:</p> <ul style="list-style-type: none"> -Evaluation of all GMP projects by a third-party independent consultant against the CDA methodology and development of an updated PSP for facilities within the Rutland District (East Pittsford Hydro, Carver Falls Station, Center Rutland Hydro, Glen Station Hydro, Patch Hydro, and Proctor Hydro). -Implementation of updated PSP items, including additional or adjusted signs, and operational changes. 	<p>This project was initiated in response to a 2023 public safety incident downstream of a GMP hydro facility, subsequent FERC regulatory direction, and consultant recommendations. This is a safety driven priority of GMP’s Dam Safety program for GMP hydro facilities, including these Rutland facilities.</p>

Project Number and Title	Additional Information	Project Description	Project Justification
192488: St Johnsbury PSP Upgrades	<p>Project Type: Production In-Service Month: 3 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$134,404</p>	<p>This project will improve GMP Public Safety Plans (PSPs) at the St. Johnsbury hydropower facilities. GMP is required to take diligent measures to protect public safety at hydropower projects that are documented in the form of a Public Safety Plan (PSPs). Typically, this includes signs, physical barriers, and operational considerations related to public safety. The PSP is submitted to the Dam Safety regulator for review and the implementation, and the adequacy of the plan is evaluated by the regulator and by GMP at subsequent Dam Safety inspections.</p> <p>This project is designed for compliance with the Canadian Dam Safety Association (CDA) robust methodology to evaluate public safety at hydropower projects. The CDA methodology is a recognized industry leading standard and is included in FEMA's best practices for dam safety warning signs.</p> <p>This project includes the following:</p> <ul style="list-style-type: none"> -Evaluation of all GMP projects by a third-party independent consultant against the CDA methodology and development of an updated PSP for facilities within this district (Smith Hydro, Arnold Falls Hydro, East Barnet Hydro, Gage Hydro, Passumpsic Hydro, Pierce Mills Hydro, and Newbury). -Implementation of updated PSP items, including additional or adjusted signs, and operational changes. 	<p>This project was initiated in response to a 2023 public safety incident downstream of a GMP hydro facility, subsequent FERC regulatory direction, and consultant recommendations. This is a safety driven priority of GMP's Dam Safety program for GMP hydro facilities, including these St. Johnsbury facilities.</p>
192489: Cavendish PSP Upgrades	<p>Project Type: Production In-Service Month: 3 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$94,747</p>	<p>This project will improve GMP Public Safety Plans (PSPs) at the Cavendish District hydropower facilities. GMP is required to take diligent measures to protect public safety at hydropower projects that are documented in the form of a Public Safety Plan (PSPs). Typically, this includes signs, physical barriers, and operational considerations related to public safety. The PSP is submitted to the Dam Safety regulator for review and the implementation, and the adequacy of the plan is evaluated by the regulator and by GMP at subsequent Dam Safety inspections.</p> <p>This project is design for compliance with the Canadian Dam Safety Association (CDA) robust methodology to evaluate public safety at hydropower projects. The CDA methodology is a recognized industry leading standard and is included in FEMA's best practices for dam safety warning signs.</p> <p>This project includes the following:</p> <ul style="list-style-type: none"> -Evaluation of all GMP projects by a third-party independent consultant against the CDA methodology and development of an updated PSP for the facilities within this district (Cavendish Hydro, Dewey Mills, Taftsville Hydro, Mascoma, and Ottaquechee). -Implementation of updated PSP items, including additional or adjusted signs, and operational changes 	<p>This project was initiated in response to a 2023 public safety incident downstream of a GMP hydro facility, subsequent FERC regulatory direction, and consultant recommendations. This is a safety driven priority of GMP's Dam Safety program for GMP hydro facilities, including these Cavendish facilities.</p>
192490: Downeast PSP Upgrades	<p>Project Type: Production In-Service Month: 3 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$43,034</p>	<p>This project will improve GMP Public Safety Plans (PSPs) at the hydropower facilities in the Downeast District. GMP is required to take diligent measures to protect public safety at hydropower projects that are documented in the form of a Public Safety Plan (PSPs). Typically, this includes signs, physical barriers, and operational considerations related to public safety. The PSP is submitted to the Dam Safety regulator for review and the implementation, and the adequacy of the plan is evaluated by the regulator and by GMP at subsequent Dam Safety inspections.</p> <p>This project is designed for compliance with the Canadian Dam Safety Association (CDA) robust methodology to evaluate public safety at hydropower projects. The CDA methodology is a recognized industry leading standard and is included in FEMA's best practices for dam safety warning signs.</p> <p>This project includes the following:</p> <ul style="list-style-type: none"> -Evaluation of all GMP projects by a third-party independent consultant against the CDA methodology and development of an updated PSP for facilities within this district (Lower Great Falls, Rollinsford, and Salmon Falls). -Implementation of updated PSP items, including additional or adjusted signs, and operational changes. 	<p>This project was initiated in response to a 2023 public safety incident downstream of a GMP hydro facility, subsequent FERC regulatory direction, and consultant recommendations. This is a safety driven priority of GMP's Dam Safety program at GMP hydro facilities, including these facilities in the Downeast district.</p>
200164: 2026 Generation Blanket	<p>Project Type: Production In-Service Month: Monthly In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Operational Efficiency Secondary Purpose: Safety Total Project Spending: \$761,735</p>	<p>This work order is for the Generation Blanket, which is an overall budget for small, expected and unplanned capital generation projects. The Generation Blanket includes Hydro, Wind, Fuel, and Solar. The generation blanket is estimated using the FY2026 budget, which is lower than the 5-year average.</p>	<p>When operating a fleet of generation facilities, some over 100 years old and in rural, often isolated places, it is expected that unplanned and unforeseen repairs and improvements will be required throughout the year. In addition, GMP uses the blanket budget to address small capital projects. These repairs may be necessary to get a plant back online, or to address safety issues that crop up over the year. This includes minor component failures, site or building issues (in some cases due to severe weather), or the need to acquire tools needed for specific jobs in the plants. The amount allocated to blanket capital spending for these sites is normally based on a historical average for similar unplanned work. If a planned or unplanned project is estimated to exceed \$25K, it is rolled into the Generation Large Capital plan and planned and accounted for accordingly.</p>
202389: Fairfax Draft Tube Repair	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: \$149,550</p>	<p>This project is for the fabrication of a new draft tube for Fairfax hydro facility Unit 1 in order to bring this unit back to service. Removal of grout and concrete surrounding the draft tube and stay ring also needs to take place prior to installing new draft tube to the stay ring and is included in the Project.</p>	<p>The Fairfax Unit 1 draft tube dislocated from the stay ring and is not repairable. The draft tube is original to the existing powerhouse and is ~100 years old. This equipment has exceeded its expected useful life and replacement is required. The draft tube is a critical component of a hydro plant and is required for safe and reliable operation; the unit cannot operate without the draft tube in place. Fairfax unit 1 will not return to service until the new draft tube is installed.</p>

Project Number and Title	Additional Information	Project Description	Project Justification
202521: Bolton GSU	<p>Project Type: Production In-Service Month: 1 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$473,870</p>	<p>The Bolton Falls Hydroelectric Project (FERC No. 2879) is a 6.96 MW facility located on the Winooski River in Waterbury and Duxbury, Vermont. The powerhouse includes two horizontal Kaplan turbine-generator units, each rated at 3.75 MW, installed in 1986. These S-type turbines and generators are currently in the process of being replaced.</p> <p>The Generator Step up transformer (GSU) suffered a catastrophic fault and needs to be replaced in order for the station to be able to generate electricity out onto the grid. The project consists of removal and disposal of the failed GSU, installation and commissioning of a smaller temporary GSU that GMP has on-hand, procurement of a refurbished GSU, and installation and commissioning of the refurbished GSU. As part of this project, we will also replace one of the main generator breakers that had a mechanical failure.</p>	<p>The Bolton Falls Hydroelectric GSU suffered a catastrophic failure. Without a project to repair or replace it, the station would not be able to generate electricity for the grid. A fully functional GSU is needed to complete the testing and commissioning work on the Bolton Unit 1 and 2 Turbine and generator upgrades. This project allows us to continue working to complete that project.</p>
203282: Taftsville FERC License	<p>Project Type: Production In-Service Month: 4 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Regulatory Compliance Secondary Purpose: Regulatory Compliance Total Project Spending: \$466,298</p>	<p>This project is for the relicensing of the Taftsville Hydroelectric Project.</p> <p>The Federal Energy Regulation Commission (FERC) licenses and relicenses hydroelectric projects. An original hydropower license authorizes the construction and operation of a project. A new license or relicense authorizes the continued operation of an existing project.</p> <p>This project was originally estimated to be completed by the License Expiration date of August 31, 2024. FERC issued a 1-year license extension with an annual extension until the new license is issued. The total cost of this relicense project is \$466,298.</p>	<p>This project is necessary at this time due to expiration of the existing FERC license. This project involves obtaining a new license, authorizing the continued operation of the Taftsville Hydroelectric Project.</p>
Production - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= \$28,973,438			
176485: Essex Min Flow Upgrades	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: \$1,435,176</p>	<p>This project includes the rehabilitation of two minimum flow penstocks at GMP's Essex 19 Hydroelectric Site. The two penstocks are 100 years old, constructed of riveted steel and are 3ft in diameter and 400ft long, extending from the intake structure to the powerhouse. The upstream 175ft are encased in concrete and the remaining sections are buried. These penstocks provide water to supply the 850kW minimum flow machine. The current unit was installed in 2008 and has the highest reliability rate in the GMP fleet. However, the penstocks have a 1-2" thick organic coating on the inside which has resulted in negative effects towards the performance and output of the turbine. This project addresses the issue with rehabilitation of the penstocks through cleaning and re-lining.</p>	<p>The primary reasons for completing this project are both Operational Efficiency and Reliability. Rehabilitating the penstocks will result in efficiency improvements to operations that in turn will result in increased energy production, extend the serviceable life of the penstock and improve downstream safety through reduced flow fluctuations. Due to the existing conditions, the turbine/generator combination is operating at reduced efficiency and improvements to the penstock lining will allow for incremental gains in generation which are estimated to be up to 20%. Additionally, the project will increase the longevity and reliability of the penstocks due to the applied internal liner coating which will protect the existing 100-year-old steel and further reduce friction head loss.</p>
179625: EHC Switchgear	<p>Project Type: Production In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$1,733,944</p>	<p>This project includes the replacement of the G1 and G2 Switchgear at GMP's Hoague-Sprague/EHC Hydro Plant (FERC No. 4337-NH) on the Contoocook River in New Hampshire. The existing switchgear that is currently in service at EHC G2 station is obsolete, in extremely poor condition, and located in a very wet environment. It presents a safety and operational concern and needs to be replaced to ensure safe and reliable unit operation in the future. The current Arc flash hazard at both switchgear lineups is very dangerous.</p> <p>This Switchgear Replacement Project is a modernization effort to deliver a safe, efficient, and modern power control system that enhances the hydro facility's performance, longevity, and significantly improves safety. The project involves replacing outdated switchgear and control systems to improve reliability, automation, and safety at the EHC hydro plant. This project will include updated electrical diagrams, layouts, and specifications. New switchgear sections will be installed with integrated generator protection and reuse of the existing PLC control system and new Basler excitation systems. The total project cost estimate is \$1,733,944, covering design, equipment, installation, and testing.</p>	<p>This project is necessary at this time because the existing equipment has reached the end of its service life and requires replacement to maintain safe, reliable operation and output. This project is a safety and reliability-driven project.</p>
185619: Bolton Rubber Bag	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Regulatory Compliance Total Project Spending: \$1,833,746</p>	<p>This project is to replace the rubber dam at the Bolton Hydro station, which is damaged and at the end of its expected service life. The Bolton dam spillway section is topped by an inflatable rubber dam. When fully inflated, the rubber dam is 5 feet tall. The rubber dam, installed in 1991, is a safer, more efficient alternative to traditional, labor-intensive wood flashback systems that were historically installed on hydroelectric dam crests. A programmable logic controller (PLC) controls the rubber dam to provide stable pond level with continuous water level sensing and periodic operator inputs to inflate or deflate to continuously maintain a safe and compliant water level across a wide range of river flows. The Bolton rubber dam has continuously improved power production, state and federal license compliance and public safety since its installation over 30 years ago.</p> <p>Over the course of several years, the rubber dam was damaged and repaired several times. In 2022, the rubber bag was significantly damaged during a high-water event. Upon inspection it was determined rubber dam could no longer be repaired and should be retired.</p>	<p>The existing rubber dam has failed and is not repairable, therefore requires replacement to maintain compliance with state and federal operating requirements including safe and reliable operation. The rubber dam was installed over 30 years ago, with an estimated functional service life of 25 years.</p> <p>GMP believes it is important to move forward now to ensure we continue to fulfill our commitment to the safe and efficient operation of the facility.</p>
188217: Newbury GSU	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$769,720</p>	<p>The Newbury Hydro facility on the Wells River in Vermont currently operates a 360 kVA synchronous and a 50 kVA induction generator, each feeding separate disconnects into three single-phase, 167 kVA oil-filled transformers in a delta-grounded wye configuration. The Newbury Hydro facility is forecasted to generate 870 MW based on historical generation. The site recently received a new FERC license and is a Low Impact Hydropower Institute (LIHI) certified site.</p> <p>This project is a safety and reliability upgrade project to update and modernize the configuration with new transformers. The project will replace the existing disconnects and oil-filled transformers with a new 500 kVA, three-phase, transformer on a concrete pad, reuse existing 480 V cables, install new low- and medium-voltage conduit and conductors, integrate metering PTs/CTs and a neutral CT within the transformer housing, and add a new neutral grounding resistor. Control and protection systems will also be upgraded. These improvements will enhance safety, reliability, and system monitoring.</p>	<p>In November of 2024, the GMP Engineering Team did an assessment on the GSU configuration at the Newbury Hydro plant and determined that the configuration is not up to GMP standards. In addition, the current GSU must be de-energized for maintenance in the station, which requires a line crew to mobilize to site to open a pole mounted recloser and install grounds. Following completion of this project, disconnects will be added downstream of the GSU to allow the GSU to remain energized and streamline the switching and tagging process during maintenance events. This project will therefore increase safety and reliability, bring the transformers up to current GMP standards, and streamline workflow for field personnel.</p>

Project Number and Title	Additional Information	Project Description	Project Justification
188222: Essex FERC Re-License PE	<p>Project Type: Production In-Service Month: 1 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Regulatory Compliance Secondary Purpose: Total Project Spending: \$1,974,338</p>	<p>This project is for the re-licensing of the Essex 19 Hydropower station. The Federal Regulatory Energy Commission (FERC) is an independent federal agency whose mission includes promoting the development of a strong national energy infrastructure that includes Hydropower. FERC issues licenses for Hydropower projects, enforces the conditions of each license for the duration of its term, and conducts project safety and environmental inspections. A hydropower license authorizes the construction and or operation of a project typically for a 30-to-40-year term. A new license authorizes the continued operation of an existing project.</p> <p>The Essex #19 FERC license for the Essex 19 hydropower station expires on February 28, 2025. GMP is required to renew the license for continued operation. The term of this license was 30 years. GMP expects the renewed license to have a term of 40 years. This project includes capital investment to obtain the new license for the Essex #19 Hydroelectric Project.</p> <p>The scope of work for this project includes studies, evaluation and analysis of all aspects of operations, environmental conditions, public access and safety. The work will be completed by outside consultants in close coordination with state and federal regulatory agencies, tribal entities and Non-Governmental Organizations (NGOs).</p> <p>.</p>	<p>This project is necessary at this time due to the expiration of the existing FERC license and therefore is a regulatory obligation for continued operation of the facility. This project involves obtaining a new license authorizing the continued safe and compliant operation of the Essex #19 Hydroelectric Project under the direction of state and federal regulatory agencies.</p>
188230: Midd Lwr Runner	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: \$2,753,186</p>	<p>The Middlebury Lower Hydro Facility is a run of river FERC licensed facility (FERC license No. 2737) located on the Otter Creek and consists of a powerhouse with 3 Hydro Turbines, an intake canal, and dam and associated infrastructure.</p> <p>The original turbines were designed and installed in 1917. Units 1 and 2 are both single-runner Camelbacks, and Unit 3 is a double-runner Camelback with a nameplate capacity of 750 kW. The station nameplate capacity is 2.25, the long term historical output is 7577 MW. In recent years, Unit 3 has required significant maintenance and repairs as it has reached the end of its service life. In 2025 the unit was out of service for more than 6 months to address significant alignment and leakage issues. This project addresses the long-term reliability of the station and improves generation output by replacing Unit 3.</p>	<p>The project is necessary at this time to preemptively replace and upgrade the turbine before it becomes increasingly problematic or fails permanently. As noted above, the turbine is nearly 110 years old and is at the end of its usable life. The turbine requires increased maintenance each year, which typically requires a crew of 3 or more Power Production Workers for 1.5 – 2 weeks, extending the time out of service and reducing generation output. Waiting for failure prior to initiating this project is not feasible or prudent due to the lead time required in design and procurement of a new runner</p> <p>Increased generation as noted.</p> <p>The replacement runner is expected to improve the efficiency of the turbine and generation output for the facility. [UPDATE 1/7/26] A refined energy analysis was completed, modeling that the updated runner is expected to improve the station's efficiency by 16.9% or approximately 1305 MWh annually. Depending on environmental factors and flows, that is equivalent to average annual increase of approximately \$117,450 at \$90/MWh for this LiHi site (originally estimated at \$90,720 annually).</p>
188236: Weybridge Runner	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: \$2,682,900</p>	<p>The Weybridge Hydro Facility is a FERC licensed site (FERC No. 2731) located on the Otter Creek and consists of a Hydro Turbine and Dam with a rubber dam and associated gates for managing bypass flows</p> <p>The original turbine was designed and installed in 1950 and refurbished in the late 1980's with a Voith 4-blade runner with a nameplate capacity of 3.4 MW. The Turbine is currently in very poor condition, suffering from severe cavitation which is inherent to the 4-blade design. Damage to the blades is repaired periodically, but the cavitation issue continues to deteriorate the integrity of turbine as long as it is in operation. This project addresses the long-term reliability of the site and improves generation output by replacing the turbine with a modern 5-blade design from Norcan. The updated runner design will have a significant improvement on efficiency, and by design, substantially reduce the cavitation problems.</p>	<p>The project is necessary at this time to preemptively replace and upgrade the turbine before it becomes increasingly problematic or fails. As noted above, the turbine is nearly 40 years old and is at the end of its usable life. The turbine is experiencing wear due to cavitation and is less efficient than modern designs.</p> <p>Waiting for failure prior to initiating this project is not feasible or prudent due to the lead time required in design and procurement of a new runner. Additionally, the replacement runner's improved efficiency is modeled to increase annual station output by approximately 2,170 MWh on average. Depending on flows and other environmental factors, this average production would equate to about \$195,300 assuming an expected value of energy (\$60/MWh) and RECs (\$30/MWh).</p>
188243: Somersworth Switchgear	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$2,248,463</p>	<p>This project involves the replacement of the existing 5kV medium-voltage switchgear and associated protection and control systems at GMP's Somersworth Hydroelectric Facility (FERC No. 4451-NH). The existing switchgear and manual controls are original to the plant and have exceeded their service life. They pose safety, reliability, and operational risks due to obsolete technology and lack of arc-flash protection.</p> <p>The project includes the design, procurement, and installation of new Eaton MEF front-access 5kV switchgear with four (4) generator breakers and one (1) station service fuse switch. The new system will include updated relaying, metering, and control interfaces using SEL multifunction relays and Shark 200 meters. Eaton's scope includes engineering, equipment supply, testing, and commissioning, with field construction and installation completed by qualified local contractors. The upgrade will align the facility with modern electrical protection standards and reduce operational risk.</p>	<p>The existing switchgear at Somersworth Hydro is over 30 years old and is obsolete, lacks replacement parts availability, and no longer meets NFPA 70E or OSHA electrical safety requirements. Arc flash and coordination studies completed in 2022 identified this facility as high-risk for personnel exposure and equipment failure. The Power System Study also confirmed the need to update protection relays and synchronization systems. We took immediate interim mitigating steps including worker training, operational controls, and maintaining physical separation from components to address risk in the short term, but switchgear replacement is required for long-term safe operation.</p> <p>Replacing the switchgear now ensures compliance with industry safety standards, mitigates safety hazards associated with aging electrical systems and supports long-term generation reliability.</p>
194348: Somersworth Fish Passage	<p>Project Type: Production In-Service Month: 10 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Regulatory Compliance Secondary Purpose: Regulatory Compliance Total Project Spending: \$319,961</p>	<p>This project is a regulatory requirement under the FERC license for the Somersworth/Lower Great Falls Hydroelectric Project to provide downstream fish and eel passage.</p> <p>On January 30, 2023, the Federal Energy Regulation Commission (FERC) issued a Subsequent License for the Somersworth/Lower Great Falls Project. Under the relicensing, GMP is required to install downstream fish and eel passage at the Project by the 2026 fish passage season. GMP is also required to collaborate on the fish/eel passage design with State and Federal entities including the US Fish & Wildlife, NH Fish & Game and the Maine Department of Inland Fisheries.</p> <p>This project will cost \$319,961.</p>	<p>This project is required to meet regulatory requirements associated with the FERC License Article 403 Downstream American Eel and Anadromous Fish Passage Facilities requiring installation of downstream fish and eel passage by the third season following issuance of the FERC license for the facility (Spring of 2026).</p>
198013: Newbury License Implementation	<p>Project Type: Production In-Service Month: 10 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Regulatory Compliance Secondary Purpose: Total Project Spending: \$69,004</p>	<p>This project involves preparation of the required management plans under the new FERC license obtained for the Newbury Hydroelectric Facility on March 24, 2024. Specifically, this project includes the preparation, review and approval of the following required documents: a Flow Management and Monitoring Plant (FMMP) per Condition C of the Vermont Agency of Natural Resources (VANR) 401 Water Quality Certification (WQC) and Article 402 of the FERC license; a Debris Disposal Plan (DDP) per Condition G of the VANR 401 WQC and Article 406 of the FERC license; a Boating Access Plan (BAP) per Condition G of the VANR 401 WQC and Article 406 of the FERC license; and an Historical Management and Monitoring Plan (HPMP) per Article 408 of the license.</p> <p>This project is estimated to be complete by October 2026 and to cost approximately \$69,004.</p>	<p>This project is necessary at this time due to FERC's requirements for plant operations for the duration of the new license. The Federal Energy Regulation Commission (FERC) licenses and relicenses hydroelectric projects, enforces the conditions of each license for the duration of its term, and conducts project safety and environmental inspections. A new license or relicense authorizes the continued operation of an existing project. The Newbury Hydroelectric Facility obtained a new FERC license in 2024 that requires the preparation, review, and approval of the specific documents proposed in this project (FMMP, DDP, Boating Access Plan, and HPMP).</p> <p>The FMMP, DDP HPMP, and BAP will be prepared, reviewed and approved by the requisite Vermont agencies and FERC in accordance with the established due dates prescribed in the new license.</p>

Project Number and Title	Additional Information	Project Description	Project Justification
200098: Peterson Left Abutment Resurf	Project Type: Production In-Service Month: 11 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$788,542	<p>This is a regulatory driven dam safety project to address deficiencies identified at the Peterson Dam. The Peterson Dam is a FERC licensed facility and is part of the Lamoille River Project (FERC No. 2205-VT). Construction was completed in 1948 and the development includes a concrete dam with a bascule crest-gated section that sets the normal pond at El. 151.0 ft. The intake structure located at the southern end of the dam serves as a non-overflow section and has a concrete penstock extending to the powerhouse.</p> <p>The Peterson headpond has a gross storage capacity of approximately 2,480 acre-ft, and the development is classified as "High Hazard" potential by the FERC with regard to the potential for downstream incremental impacts. The deficiencies were identified in the 11th Part 12 Safety Inspection Report (SIR) performed by a third-party engineer and submitted to FERC in 2022 as part of the 5-year FERC requirements for dam safety.</p> <p>The scope of work for this project includes the demolition and replacement of approximately 2,785 square feet of concrete on the left abutment, as well as establishing a perimeter drainage system to allow for the collection and monitoring of seepage flow through the dam. Specifically, the following items will be addressed as part of this project:</p> <ol style="list-style-type: none"> 1. The seepage along horizontal cracks and construction joints between the non-overflow structure and the intake structure 2. Delamination of the concrete on the non-overflow structure (left abutment) 	<p>The proposed work is to address specific deficiencies that have been identified at the facility. Concrete resurfacing is an integral part of our dam safety and capital improvement projects at our hydropower stations and dams. The concrete at this project is several decades old and requires resurfacing. The Peterson Dam is a FERC High-hazard dam, and GMP as owner, is obligated to ensure continued safe, reliable dam operation. This project is intended to fulfill that obligation.</p> <p>GMP believes it is important to move forward now to ensure we continue to fulfill our commitment to the safe and efficient operation of the facility. Postponing the project would allow for further deterioration of the existing concrete and result in an overall increase in the scope of work and cost.</p>
200102: Essex 19 Toe Repairs	Project Type: Production In-Service Month: 10 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$662,055	<p>This is a dam stability project at GMP's Essex 19 Hydro Facility. The scope of work includes demolition and replacement of approximately 1,885 square feet of concrete along the toe of the dam, in order to meet dam stability requirements. The Essex 19 Project (FERC No. 2512-VT) is located on the Winooski River between Essex Junction and Williston, Vermont. The project includes a dam that impounds a surface area of 69 acres, extending 3.3 miles upstream with the reservoir at the fixed crest elevation of 270.0 feet. The spillway is approximately 340 feet long, with an average height of 50 feet, and has had a 5-foot-high rubber dam at the crest since 1995. The water retaining structures consist of a concrete gravity dam with an overflow spillway and a non-overflow section. The dam was constructed in 1917 and underwent significant stability repairs in 1991, and an inflatable flashback system ("rubber dam") was installed at the crest in late 1995. The dam is classified as a "Significant Hazard" potential by the FERC with regard to the potential for downstream incremental impacts.</p> <p>In 2024 a section of the toe concrete failed after the July flooding event. Upon subsequent inspections, it was determined that much of the concrete in the area of the failure was in poor condition and in need of repair. This project will address all the remaining original concrete at the toe of the dam, as well as the final remaining approximately 575 square feet of concrete resurfacing on the face of the dam below the #3 rubber bag section.</p>	<p>This project is necessary in order to maintain dam stability. The Essex 19 dam is a FERC, Significant-hazard dam and GMP, as owner, is obligated to assure continued safe, reliable dam operation.</p> <p>Following a 2024 inspection, it was determined that a few pieces of the dam toe concrete were missing. The inspection also revealed that much of the toe concrete in the area was in poor condition and needed to be repaired. As the Essex 19 Dam is a Concrete Gravity dam, the overall dam stability is reliant upon the mass of the concrete and its structural integrity. The Dam Stability analysis was reviewed and it was determined that replacement of the missing concrete and repair of the remaining concrete toe was prudent, but not an immediate dam safety concern.</p> <p>GMP believes it is important to move forward now to ensure we continue to fulfill our commitment to the safe and efficient operation of the facility.</p>
200111: Salmon Falls Concrete and Gate	Project Type: Production In-Service Month: 1 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$687,436	<p>This project is for rehabilitation of concrete and a gate at the Salmon Falls Hydroelectric facility. The Salmon Falls Hydroelectric plant is a Low Hazard Potential Dam regulated by FERC New York Regional Office (FERC-NYRO). The hydroelectric project is located at the head-of-tide (i.e. first dam upstream of the ocean), meaning that fish/aquatic passage is an important regulatory obligation placed on this plant. During a 2025 Dam Safety Inspection performed by GMP, it was discovered that a portion of the concrete abutment downstream of the left-side bypass gate is in a condition of advanced deterioration. This concrete abutment is structurally integral to both the overall stability of the dam and the existing fish-ladder installed around the early 2000's to improve aquatic passage.</p> <p>This project will rehabilitate the abutment concrete, the fish-ladder support, rehabilitate the left-side low level gate (which is leaking and in a deteriorated condition), and include a limited concrete re-surfacing scope that will address immediate safety concerns along walkways.</p>	<p>The concrete abutment at the facility is in an advanced stage of deterioration and if left untreated, the structure could further deteriorate to a stage where the overall stability of the dam and fish-ladder is at risk. At present, a temporary bracing option has been implemented; however, this option is not suitable as a long-term solution as there is a risk of ice-damage, and increased inspection and modest O&M costs are anticipated while this temporary solution is in-place.</p>
200113: Somersworth Abutment	Project Type: Production In-Service Month: 11 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Regulatory Compliance Total Project Spending: \$743,622	<p>The Lower Great Falls (Somersworth) Hydroelectric plant is a Significant Hazard Potential Dam regulated by Federal Energy Regulatory Commission New York Regional Office (FERC-NYRO). This project will address FERC P12D inspection-identified requirements that are of a Dam Safety and Regulatory Compliance nature, as outlined below:</p> <ul style="list-style-type: none"> -Resurfacing the downstream right concrete abutment to mitigate deterioration that could detriment the structural condition of the dam. This abutment consists of un-reinforced concrete pre-dating the construction of the 1940's adjacent building and has notably deteriorated over the past 5 to 10-year. -Around 2022, GMP completed a survey of the facility and found that the top of the right and left abutments are slightly lower than what had previously been understood. To mitigate potential overtopping, this project will raise the right-abutment by approximately 18-inches and add concrete blocks and erosion protection to the left-abutment. -This project will also include some maintenance level upgrades such as spot masonry re-pointing. The objective of this work is to limit deterioration of project structural features. 	<p>The timeframe to address these deficiencies has been established through FERC's P12D inspection and evaluation program. Given the hazard potential of this dam, GMP considers this timeframe to be a regulatory requirement, and adjustment of the project schedule would require GMP to formally present a justification to FERC for consideration.</p>

Project Number and Title	Additional Information	Project Description	Project Justification
200147: Weybridge PLC Upgrade	<p>Project Type: Production In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$204,766</p>	<p>This is a \$204,766 reliability project to replace the Programmable Logic controller and Control devices at the Weybridge Hydro Station. Weybridge Hydro includes (1) Turbine with an output capacity of 3400kW. The Turbine Control device and PLC have reached the end of their service life. The PLC is an obsolete vintage GE platform that is no longer supported by GE and replacement parts on the market are limited. The PLC will be updated to modern Emerson equipment that meets GMPs standard to monitor and control the Turbine.</p>	<p>This project is appropriate at this time to address reliability concerns associated with the PLC. Failure of the Turbine Monitoring and Control system will result in loss of control and monitoring of the Weybridge Hydro facility. Control and monitoring of generation and pond levels are a regulatory requirement.</p> <p>In November 2023, the GMP Control Center started experiencing reliability issues with the pond control system at Weybridge. The system is run through the obsolete 90/30 PLC platform. The PLC could not control and manage the pond level and unit operating rate, causing the generating unit to erratically ramp up and down. This is not good for the health of equipment and puts our ability to effectively control pond level and meet regulatory requirements at risk.</p> <p>Reliability is being improved with replacement of legacy technology with a modern PLC that is microprocessor based and interfaces with GMP's SCADA master system.</p>
200151: Gorge Exciter Upgrade	<p>Project Type: Production In-Service Month: 1 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Total Project Spending: \$341,339</p>	<p>This project is for the replacement of the excitation equipment at Gorge 18 in South Burlington. GMP has been having trouble with regulating VARs on the Hydro units at Gorge 18. VARs are the units by which reactive power is expressed in an AC electric power system and are critical during abnormal system conditions. VARs are controlled by the excitation equipment.</p> <p>It has been determined the excitation equipment at Gorge 18 needs to be replaced for reliability reasons. The VAR issue is directly related to KW output. When the units spend time "hunting," or changing VARs above or below grid unity, excess heat is generated locally, reducing output. Addressing this issue will increase output.</p>	<p>In November 2024, Eaton assisted GMP in troubleshooting the failing excitation system at Gorge 18. Eaton's excitation expert ultimately recommended replacement of the Excitation system. He suggested a short-term solution of replacing the control chasis, but the problem regulating VARs persists. As the existing equipment has reached the end of its service life and requires replacement to maintain reliable operation and output, this project is necessary at this time in order to maintain reliability and replace the equipment with a limited generation outage, as equipment procurement has an estimated 16-week lead-time.</p>
200152: Clark Falls Howard Dr Retain	<p>Project Type: Production In-Service Month: 1 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$143,344</p>	<p>This is a safety project to address present slope instability and public safety hazards along Howard Drive and immediately adjacent to the substation and powerhouse at the Clark Falls Hydroelectric Project (FERC No. 2205-VT). The following treatments will provide continued long-term safe use of Howard Drive and reduce long-term slope maintenance requirements.</p> <ol style="list-style-type: none"> 1. Demolition and removal of the existing waste block retaining wall. 2. Installation of drainage materials along the edge of Howard Drive to safely direct ground and stormwater around the retaining wall, and to prevent future slope instability issues from developing. 3. Installation of new pre-cast concrete retaining wall to retain the granular material of Howard Drive and the earthen embankment above the tailrace. 4. Installation of new 6'-0" chain-link fence and vehicular guardrails 	<p>This project is necessary at this time due to the potential safety risk present with the slope instability hazards at the site. Clark Falls Hydro includes a concrete waste block retaining wall along the river side of Howard Drive that supports both the road and earthen embankment slope above the tailrace. In 2024, several sinkholes were identified along the edge of the road, and upon inspection it was determined that the retaining wall and slope have shifted towards the tailrace. Periodic inspections have shown that the sink holes at the edge of Howard Drive continue to develop, despite efforts from the Town Road Crew to address surface runoff. The existing retaining wall does not appear to have been installed correctly, and there is no apparent subsurface drainage system. There is concern that if the issue is not addressed, the shoulder of the road could fail unexpectedly, which poses both a public safety risk for pedestrian and vehicular traffic flow, and a risk that debris could slide into the tailrace of the powerhouse causing a long-term unplanned outage and potential water quality impacts.</p>
201634: Nomad DOE Units	<p>Project Type: Production In-Service Month: 10 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$7,033,736</p>	<p>This project is for the purchase of eight NOMAD Voyager 3.0 utility-scale long-duration energy storage (LDES) platforms (125 kW / 1600 kWh per unit). The purchase and use of this equipment supports The Vermont Long Duration Resiliency Zone Project. Although these are mobile storage units, the project includes installation costs to create permanent docking stations strategically located throughout the GMP service territory.</p> <p>The Vermont Long Duration Resiliency Zone Project aims to enhance grid reliability and customer power resilience in rural Vermont communities through deployment of the world's first mobile, commercially viable LDES platform (125 kW / 1600 kWh per unit). The project, led by NOMAD with Green Mountain Power (GMP) as a subrecipient and the U.S. Department of Energy (DOE) as primary funder, will install and demonstrate eight (8) mobile LDES units across GMP's service territory. The procurement of mobile storage provides GMP a new tool to increase reliability by eliminating some planned outages. Additionally, because these units are mobile, GMP can use them to respond quickly to unplanned outages. By incorporating the temporary interconnection of the units into our restoration practices, GMP can reduce customer outage duration by energizing customers while repairs are made rather than waiting to energize the customer until after the repair has been made. The utilization of mobile storage will make a meaningful impact to the customer experience in cases where crews face significant restoration time. These systems will provide backup power during outages, supply grid services when idle, and operate at a leveled cost of storage (LCOS) of \$0.05/kWh or less.</p>	<p>This project supports DOE's Long Duration Energy Storage Demonstration Program by providing mobile, re-deployable storage as a cost-effective resiliency tool. It is essential for GMP and partners to meet DOE grant timelines and national objectives for grid resilience and decarbonization.</p> <p>Climate-driven outage frequency and rural reliability challenges require immediate deployment of new solutions. Deferring the project would risk DOE funding, delay resilience benefits for customers, and postpone the validation of this innovative storage platform. Early execution also aligns with GMP's strategic objectives for reliability and Grid resiliency.</p>
203280: Cavendish FERC Re-License	<p>Project Type: Production In-Service Month: 1 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Regulatory Compliance Secondary Purpose: Regulatory Compliance Total Project Spending: \$757,213</p>	<p>This project is for the relicensing of the Cavendish Hydroelectric Project. The current FERC License expires in October 2024. Relicensing is required for continued operation of the Cavendish Hydroelectric Project.</p> <p>The Federal Energy Regulation Commission (FERC) licenses and relicenses hydroelectric projects. FERC is an independent federal agency whose mission includes promoting the development of a strong national energy infrastructure that includes Hydropower. FERC issues licenses or relicenses for Hydropower projects, enforces the conditions of each license for the duration of its term, and conducts project safety and environmental inspections. An original hydropower license authorizes the construction and operation of a project. A new license or relicense authorizes the continued operation of an existing project.</p> <p>The total project cost is \$757,213.</p>	<p>This project is necessary at this time due to expiration of the existing FERC license. This project involves obtaining a new license, authorizing the continued operation of the Cavendish Hydroelectric Project.</p>

Project Number and Title	Additional Information	Project Description	Project Justification
203400: 2027 Generation Blanket	Project Type: Production In-Service Month: Monthly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Operational Efficiency Secondary Purpose: Safety Total Project Spending: \$1,027,462	This work order is for the Generation Blanket, which is an overall budget for small expected and unplanned capital generation projects. The Generation Blanket includes Hydro, Wind, Fuel, and Solar. The generation blanket is estimated using the FY2027 budget, which is lower than the 5-year average.	When operating a fleet of generation facilities, some over 100 years old and in rural, often isolated places, it is expected that unplanned and unforeseen repairs and improvements will be required throughout the year. In addition, GMP uses the blanket budget to address capital projects. These repairs may be necessary to get a plant back online, or to address safety issues that crop up over the year. This includes minor component failures, site or building issues (in some cases due to severe weather), or the need to acquire tools needed for specific jobs in the plants. The amount allocated to blanket capital spending for these sites is normally based on a historical average for similar unplanned work. If a planned or unplanned project is estimated to exceed \$25K, it is rolled into the Generation Large Capital plan and planned and accounted for accordingly.
203468: Midd Lwr U3 Governor upgrade	Project Type: Production In-Service Month: 11 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$463,583	This is a reliability project to replace the governor on the Middlebury Lower #3 hydro turbine with a hydraulic gate control system. The existing system was installed in 2004 and is at the end of its useful life. When the Middlebury Lower station was last modernized, Units 1 and 2 governors were replaced with hydraulic gate control systems. Unit 3 was left with a governor so it could remain as a black start unit. Since then, the unit has been removed from the black start pool. Replacing the governor with a hydraulic gate positioner will improve system control and reliability by allowing the plant PLC to have direct control of the wicket gate position through a hydraulic proportional valve. Currently, the PLC has secondary control of the turbine through the governor. In the scenario of the PLC controlling the governor, it is difficult to "tune" the unit to minimize the "hunting" of the wicket gate position and in turn minimize flow variations.	This project is necessary at this time because the current Governor has exceeded its useful life and does not offer the control or fine-tuning adjustments needed to operate the #3 turbine efficiently.
204802: Pierce Restoration	Project Type: Production In-Service Month: 10 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Safety Secondary Purpose: Reliability Total Project Spending: \$299,902	This project to restore and modernize the electrical protection and control systems at the Pierce Mills Hydroelectric Facility near St. Johnsbury, Vermont. The plant was rendered inoperable during the flooding of 2023. The plant is currently offline and not generating electricity. The powerhouse has one vertical Francis Turbine Generator with a nameplate of 250 kW at 2,400V. The turbine is regulated by a Woodward Fly Ball mechanical governor with dedicated governor oil pump, 125VDC excitation is regulated with a manual field rheostat and supplied with a rotating pilot exciter. The existing controls are strictly hard-wired. The facility does have pond level capabilities once the station is manually placed on-line by an operator. Once on-line, the PLC can operate the unit automatically via pond control mode. Pond Control is controlled using instrumentation located upstream, a level sensor. The 312 kVA synchronous generator at this site sustained flood damage in 2024, affecting the functionality and reliability of its control and protection equipment, rendering it inoperable. This project is intended to return the unit to full operational condition while upgrading critical components to modern, safe and reliable equivalents. This project includes Engineering, procurement, installation and commissioning.	This project is necessary at this time to restore safe and reliable generation capability at Pierce Mill following the 2024 flood event. In addition to being rendered inoperable by the 2024 flooding, the power plant was constructed in 1928 and appears to have much of its original equipment still installed. This station has electrical and controls infrastructure that has exceeded its useful lifespan. The existing open bus switchgear poses a safety hazard to personnel. In addition, the exciter field is regulated manually connected to an exposed, asbestos insulated rheostat. This system also does not meet current electrical safety standards or standards for machine voltage control and system stability. This equipment as well as the control switches and PLC will be replaced as part of this project.
Kingdom Community Wind - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= \$849,659			
203207: KCW Station Controller	Project Type: Kingdom Community Wind In-Service Month: 11 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Total Project Spending: \$764,353	This is a \$765,091 reliability project to replace the KCW Power Plant Controller (PPC) and Vestas Online Business (VOB) platform. The Mark 2 PPC in service now has reached the end of its serviceable life and is one of the last remaining Mark 2's in service. Numerous failures of the system within the last 12 months have resulted in prolonged plant outages. Upgrading to a Mark 5 PPC will minimize downtime compared to the current 14-year old equipment failures, and will increase reliability as support teams are familiar with current equipment and associated software. As the VOB server currently in place will not operate with a Mark 5 PPC, the VOB server and software will be installed prior to the PPC Mark 5 installation.	This project is appropriate at this time to address reliability concerns associated with the Mark 2 PPC and time associated with sourcing replacement parts. Failure of the current PPC has resulted in several multiday plant outages over the past 12 months. One multiday plant outage from PPC could result in hundreds of thousands of dollars of lost generation with a negative financial impact to GMP customers. The PPC is also necessary for compliance with ISO New England.
203595: KCW Road/Drainage Upgrades	Project Type: Kingdom Community Wind In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: \$85,306	This project will upgrade the roads and stormwater features at Kingdom Community Wind. The gravel road network and stormwater features will be upgraded to improve the driving surfaces and better manage storm water at the site. This project will also improve the crane path by adding material to areas that have not been upgraded since the site was built in 2012. This project cost is for one year of work. Following this project, GMP will evaluate potential future phased improvements to all of the roads and stormwater features at Kingdom Community Wind.	This project is necessary at this time for reliability and safety reasons. The KCW crane path was built with onsite material and utilizing a rock base. As time progresses and fine surface materials wear, the rock base becomes more pronounced. Maintenance of the crane path by grader is no longer an option without installation of new surface material. As work to maintain the turbines necessitates moving large pieces of equipment throughout the road network at the site, the road must be in good condition to do so safely.
Joint Ownership - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = \$1,986,093			
203297: 2026 McNeil Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Regulatory Compliance Secondary Purpose: Reliability Total Project Spending: \$659,171	This project is related to GMP's 31% joint-ownership interest in the Joseph C. McNeil Generating station, which is a wood-fired plant located in Burlington, Vermont. The amount included here represents the 5-year average of the amount Green Mountain Power is responsible for related to capital improvements. The plant began operation in 1984 and generates roughly 50 megawatts of electricity. As a joint owner, Green Mountain Power is entitled to our ownership percentage of the energy capacity (roughly 16 megawatts) and is also required to share in all direct and indirect costs of operation, maintenance and capital costs to keep the plant running reliably and efficiently. Burlington Electric Department ("BED") is the principal owner and operator of the facility with a 50% ownership interest.	BED, as the principal owner and operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to all the joint owners in the facility. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that McNeil generating facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.
203299: 2026 Millstone Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$1,228,874	This project is related to GMP's 1.7303% joint-ownership interest in the Millstone Nuclear Plant Unit # 3 located in Waterford, CT. The amount included here represents the 5-year average of the amount Green Mountain Power is responsible for related to capital improvements. The unit began operation in 1986 and generates roughly 1,258 MW of energy capacity. As a joint owner, GMP is entitled to our ownership share of the energy capacity (roughly 21.4 MW) and is also required to share in all direct and indirect costs of operation, maintenance and capital cost to keep the plant running reliably and efficiently. Dominion Energy Nuclear Connecticut, Inc. ("Dominion") is the principal owner and operator of the facility with a 93.47% ownership interest.	Dominion, as the principal owner and operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to all the joint owners in the facility. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that Millstone Unit # 3 generating facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.

Project Number and Title	Additional Information	Project Description	Project Justification
203302: 2026 Stony Brook Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$51,855	GMP owns a small 8.8% joint ownership interest in the 354-megawatt "Stony Brook Intermediate Unit" combined-cycle power plant in Ludlow, MA. Massachusetts Municipal Wholesale Electric Company (MMWEC) is the principal owner with a 90.75% interest and the Village of Lyndonville has a small interest of 0.44%. MMWEC is the operator of the facility. This project is related to GMP's 8.8% share in the capital improvements at the Stony Brook facility and represents the 5-year average of historical costs.	MMWEC, as the lead owner and sole operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to GMP and Lyndonville. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that the Stony Brook facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.
203641: 2026 Wyman Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$46,193	This project is related to the 2.9207% joint-ownership interest in the Wyman Unit No. 4 oil-fired generating plant located in Yarmouth, Maine. The amount included here represents the 5-year average of the amount Green Mountain Power is responsible for related to capital improvements. The Unit began operation in 1978 and generates 610 megawatts of energy capacity. As a joint owner, Green Mountain Power is entitled to our ownership percentage of the energy capacity (roughly 17.6 megawatts) and is also required to share in all direct and indirect costs of operation, maintenance and capital costs to keep the plant running reliably and efficiently. NextEra Energy Resources, LLC ("NextEra") is the principal owner and operator of the facility with a 84.3% ownership interest.	NextEra, as the principal owner and operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to all the joint owners in the facility. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that the Wyman generating facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.
Joint Ownership - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total=\$2,031,772			
203298: 2027 McNeil Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Regulatory Compliance Secondary Purpose: Reliability Total Project Spending: \$674,332	This project is related to GMP's 31% joint-ownership interest in the Joseph C. McNeil Generating station, which is a wood-fired plant located in Burlington, Vermont. The amount included here represents the 5-year average of the amount Green Mountain Power is responsible for related to capital improvements. The plant began operation in 1984 and generates roughly 50 megawatts of electricity. As a joint owner, Green Mountain Power is entitled to our ownership percentage of the energy capacity (roughly 16 megawatts) and is also required to share in all direct and indirect costs of operation, maintenance and capital costs to keep the plant running reliably and efficiently. Burlington Electric Department ("BED") is the principal owner and operator of the facility with a 50% ownership interest.	BED, as the principal owner and operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to all the joint owners in the facility. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that McNeil generating facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.
203301: 2027 Millstone Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$1,257,138	This project is related to GMP's 1.7303% joint-ownership interest in the Millstone Nuclear Plant Unit # 3 located in Waterford, CT. The amount included here represents the 5-year average of the amount Green Mountain Power is responsible for related to capital improvements. The unit began operation in 1986 and generates roughly 1,258 MW of energy capacity. As a joint owner, GMP is entitled to our ownership share of the energy capacity (roughly 21.4 MW) and is also required to share in all direct and indirect costs of operation, maintenance and capital cost to keep the plant running reliably and efficiently. Dominion Energy Nuclear Connecticut, Inc. ("Dominion") is the principal owner and operator of the facility with a 93.47% ownership interest.	Dominion, as the principal owner and operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to all the joint owners in the facility. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that Millstone Unit # 3 generating facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.
203303: 2027 Stony Brook Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$53,047	GMP owns a small 8.8% joint ownership interest in the 354-megawatt "Stony Brook Intermediate Unit" combined-cycle power plant in Ludlow, MA. Massachusetts Municipal Wholesale Electric Company (MMWEC) is the principal owner with a 90.75% interest and the Village of Lyndonville has a small interest of 0.44%. MMWEC is the operator of the facility. This project is related to GMP's 8.8% share in the capital improvements at the Stony Brook facility and represents the 5-year average of historical costs.	MMWEC, as the lead owner and sole operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to GMP and Lyndonville. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that the Stony Brook facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.
203643: 2027 Wyman Capital	Project Type: Joint Ownership In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$47,255	This project is related to the 2.9207% joint-ownership interest in the Wyman Unit No. 4 oil-fired generating plant located in Yarmouth, Maine. The amount included here represents the 5-year average of the amount Green Mountain Power is responsible for related to capital improvements. The Unit began operation in 1978 and generates 610 megawatts of energy capacity. As a joint owner, Green Mountain Power is entitled to our ownership percentage of the energy capacity (roughly 17.6 megawatts) and is also required to share in all direct and indirect costs of operation, maintenance and capital costs to keep the plant running reliably and efficiently. NextEra Energy Resources, LLC ("NextEra") is the principal owner and operator of the facility with an 84.3% ownership interest.	NextEra, as the principal owner and operator of the facility, determines the annual capital projects and spending based on prudent and reasonable utility practice and provides this information to all the joint owners in the facility. As a joint owner of the facility, GMP is committed to ensuring that the facility is available and efficiently generating power for our customers. This project is necessary to ensure that the Wyman generating facility receives its important and critical upgrades and that GMP meets our obligation as a joint owner.