Project Number and Title	Additional Information	Project Description	Project Justification
Distribution Line Extensions - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $4,896,802			
194169: 2026 Distribution Line Extensions	Project Type: Distribution Line Extensions In-Service Month: Monthly In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Customer Service Secondary Purpose: Regulatory Compliance Total Project Spending: $4,896,802	Blankets are generally used for categories of spending where the anticipated level and need for the spending is known based on historical experience, but the exact location of work or the individual projects that will be required cannot always be known in advance, this is true for Distribution Line Extension Projects. These projects are required by our Line Extension Tariff to meet our customer needs. The Distribution Line Extension Blanket amount placed in rate base is based on the FY26 budget, which is lower than the 5-year historical average of capital spending adjusted for inflation.	The inclusion of this project is necessary to accommodate the needs of our customers and maintain compliance with our approved tariff. The nature of customer line extensions is that they are random and continuous throughout the year.
Distribution Line Extensions - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $3,986,402			
203567: 2027 Distribution Line Extensions	Project Type: Distribution Line Extensions In-Service Month: Monthly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Customer Service Secondary Purpose: Regulatory Compliance Total Project Spending: $3,986,402	Blankets are generally used for categories of spending where the anticipated level and need for the spending is known based on historical experience, but the exact location of work or the individual projects that will be required cannot always be known in advance, this is true for Distribution Line Extension Projects. These projects are required by our Line Extension Tariff to meet our customer needs. The Distribution Line Extension Blanket amount placed in rate base is based on the FY27 budget for line extensions, which is lower than the 5-year historical average of capital spending adjusted for inflation.	The inclusion of this project is necessary to accommodate the needs of our customers and maintain compliance with our approved tariff. The nature of customer line extensions is that they are random and continuous throughout the year.
Distribution Lines Large Cap - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $8,433,350			
172654: Shrewsbury L4 P57 to 105 Crown Point Rd final FA	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $1,638,951	This project will significantly improve reliability to customers in the Crown Point Rd and Northam Rd areas of Shrewsbury, VT. The project reconstructs and relocates portion of Mount Holly G-13 circuit (MH-G13) Line 4 poles 57 to 106 to 2 phase Cable in Conduit and 2 phase spacer cable. The cross-country sections were originally constructed in 1952 and still assets in the field from the original build, including poles and bare wire.	Type, age, condition, and location of the asset: This line was first constructed in 1952, with repairs and replacements over the years due to storms and other damage. Some of the lines are off-road, with difficult accessibility. Customers served by project: 227 Overall reliability: Over the past 5 years, a representative customer on this line experienced 13 outages totaling over 55 hours out. Field crew assessment and other factors: GMP field crews highlight this location with extensive tree exposure to old bare wire and some pole plant needing replacement. Some sections are off road, making access difficult during storm events. Extensive tree cutting and removal would be needed for a full overhead rebuild along road with old growth tree canopy.
173280: Winhall L51 P21-49 Winhall Hollow	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $697,574	This project will significantly improve reliability to customers in the Winhall Hollow area of Londonderry, VT. The project reconstructs and relocates portion of Rawsonville G23 circuit (RA-G23) Line 51 poles 21 to 49 to 1 phase 1/0 spacer roadside. The cross-country sections were originally constructed in 1957 and still assets in the field from the original build, including poles and bare wire.	Type, age, condition, and location of the asset: This line was first constructed in 1957, with repairs and replacements over the years due to storms and other damage. Some of the lines are off-road, with difficult accessibility. Customers served by project: 178 Overall reliability: Over the past 5 years, a representative customer on this line experienced 16 outages totaling over 66 hours out. This project will drastically reduce outages in the future for this portion of the RA-G23 circuit Field crew assessment and other factors: GMP field crews highlight this location with extensive tree exposure to old bare wire and some pole plant needing replacement. Some sections are off road, making access difficult during storm events. The road configuration being paved and space for undergrounding, overhead spacer cable was solution selected.
175316: Georgia-Milton Feeder	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: $1,343,509	The primary purpose of this project is to provide reliable feeder backup between the Georgia G70 (GI-G70) circuit and the West Milton 91 (WM-G91) circuit. Reconductoring approximately 18,500 feet of three-phase line with 477 spacer cable will enhance system reliability and operational flexibility. This configuration will allow for substation maintenance without customer interruptions and will enable customer load to be transferred in the event of outages on either circuit. In addition, select crossings of VELCO transmission lines and the interstate I89 will be placed underground to improve both reliability and public safety.	This project was necessary to improve reliability on the Zone 1 mainline of the GI-G70 circuit through the replacement of existing bare conductor with storm-hardened spacer cable. The project also enhances feeder backup capability to the West Milton Circuit, which is supplied by a radial transmission line. In addition, the project addresses increased customer demand on the GI-G70 circuit, driven primarily by load growth at the Arrowhead Business Park. Type, age, condition, and location of the asset: This line was first reconstructed in 1962 with repairs and replacements over the years due to storms and other damage. Customers served by project: WM-G91-1695 GI-G70-944 Field crew assessment and other factors: Due to load and voltage constraints and conductors and equipment needed for underground, decision to do overhead rebuild with spacer cable was the most feasible option and least cost.

Project Number and Title	Additional Information	Project Description	Project Justification
182723: Rochester Volt Conversion	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: $946,129	The primary purpose of the project is to refeed and rebuild Rochester G62 (RO-G62) circuit Main Line feeder through the Town of Rochester and remove old sections of 4.16 kV primary and increase the voltage of this section of the circuit to 12.47 kV. A large section of the existing conductor is off road with no access, a river crossing and was in a flood plain vulnerable to washouts.	Type, age, condition, and location of the asset: This line was first constructed in 1938, with repairs and replacements over the years due to storms and other damage. Some of the lines are off-road, with difficult accessibility. Customers served by project: 1,318 Overall reliability: Over the past 5 years, a representative customer on this line experienced 6 outages totaling almost 31 hours out. Field crew assessment and other factors: GMP field crews highlight this location with extensive tree exposure to old bare wire and some pole plant needing replacement. Some sections are off road, making access difficult during storm events. The road configuration being paved and space for underground through the village would be difficult and cost prohibitive with wire size and devices needed.
187968: Ripton Old Town Rd	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $1,123,578	The project will rebuild and relocate portions of Line 1 on the East Middlebury G76 (EM-G76) circuit in towns of East Middlebury and Ripton, VT. This project will be a 3 phase 4/0 cable in conduit project, will some 3-phase spacer cable along Old Town Rd.	Type, age, condition, and location of the asset: This line was first constructed in 1950, with repairs and replacements over the years due to storms and other damage. Some of the lines are off-road, with difficult accessibility. Customers served by project: 323 Overall reliability: Over the past 5 years, a representative customer on this line experienced 23 outages totaling over 77 hours out. This project will drastically reduce outages in the future for this section of the EM-G76 circuit. Field crew assessment and other factors: GMP field crews highlight this location with extensive tree exposure to old bare wire and some pole plant needing replacement. Some sections are off road, making access difficult during storm events. Many poles and section are in the Green Mountain National Forest (GMNF) and extensive tree cutting and removal would be needed for a full overhead rebuild along road with old tree canopy.
191944: WRutland Boardman Solar	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $959,012	This project is a reliability and operational efficiency project that improves the reliability of customers in the Rutland area. The project installs 3 phase 477 spacer cable and accomplishes enhanced tree trimming techniques to reduce outages. This line needs upgrading as facilities were originally installed in 1964. This project is being accomplished in conjunction with upgrades related to the interconnection of a solar project, Boardman Hill Solar. GMP has increased the size of the conductor beyond what is required for the solar interconnection because it allows GMP to implement a distribution tie to a nearby circuit in the future, which will enhance reliability and resiliency in the future. A portion of the project cost is to be borne by the interconnecting customer, for which the project receives a sizeable credit, reducing overall project cost.	This project is needed at this time in order to leverage the work already being accomplished for a solar interconnection. The solar project is required to pay for the upgrades required to interconnect their project, and therefore combining the upgrade project with the interconnection project reduces the overall project cost. Additionally, because this project is happening concurrently it is naturally accelerated, enhancing reliability for customers fed from this circuit sooner.
194686: Double Diamond Phase II	Project Type: Distribution Lines Large Cap In-Service Month: 12 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Regulatory Compliance Secondary Purpose: Operational Efficiency Total Project Spending: $1,017,962	Green Mountain Power was requested by the Vermont Agency of Transportation to relocate a portion of the Ethan Allen Y5 (36Y5) circuit as part of the I-89 Exit 16 Diverging Diamond roadway project. The relocation includes moving poles and three-phase mainline conductors adjacent to U.S. Route 2 in Colchester, Vermont.	This project is needed to comply with a VAOT initiated line relocation in support of the I-89 exit 16 Double Diamond upgrade. The existing pole line is located within the U.S. Route 2 and I-89 corridors and is therefore subject to VTrans relocation requirements. Type, age, condition, and location of the asset: The line was originally reconstructed in 1990 using bare conductor and has since undergone multiple repairs and component replacements due to storm events and other damage. Customers served by project: 314 Field crew assessment and other factors: Due to circuit loading and equipment constraints associated with the 35 kV operating voltage, an overhead rebuild using spacer cable was determined to be the most feasible and cost-effective option.
195314: Williston Rte 2A Road Widening	Project Type: Distribution Lines Large Cap In-Service Month: 12 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: $706,635	The primary purpose of the project is relocating poles and conductors on the RT 2A portion of the Essex Hilltop G3 (19G3) circuit for the Vermont Agency of Transportation (VAOT). For the relocation, storm harden wire will be used along with new higher-class poles.	Type, age, condition, and location of the asset: This line was first reconstructed in 1969 with repairs and replacements over the years due to storms and other damage. Customers served by project: 992 Field crew assessment and other factors: VAOT need utilities moved for new road widening project, feeder backup tie and large underground conductor would be needed, making overhead best and most cost-effective option.

Project Number and Title	Additional Information	Project Description	Project Justification
Distribution Lines Large Cap - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $8,534,335			
157058: Shrewsbury L48	Project Type: Distribution Lines Large Cap In-Service Month:9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Reliability Total Project Spending: $1,870,780	This project will significantly improve reliability to customers in the Northam Rd areas of Shrewsbury, VT. The project reconstructs and relocates portion of Mount Holly G-13 circuit (MH-G13) Line 48 poles 1 to 59 to single-phase Cable in Conduit and single-phase spacer cable. The cross-country sections were originally constructed in 1947 and still have assets in the field from the original build, including poles and bare wire.	Type, age, condition, and location of the asset: This line was first constructed in 1947, with repairs and replacements over the years due to storms and other damage. Some of the lines are off-road, with difficult accessibility. Customers served by project: 109 Overall reliability: Over the past 5 years, a representative customer on this line experienced 28 outages totaling over 150 hours out. Field crew assessment and other factors: GMP field crews highlight this location with extensive tree exposure to old bare wire and some pole plant needing replacement. Some sections are off road, making access difficult during storm events.
164360: 3 Phase Tie from St. Albans to Colchester	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $932,896	The primary purpose of the project is to provide reliable feeder backup for both the Mallets Bay G1 (34G1) circuit and the West Milton 92 circuit (WM-G92). With reconducting the 12,700' of the three-phase line with 477 Spacer Cable, this will give us the opportunity to do maintenance on the substation reclosers, without interrupting any customers. This will also allow customers to be refed in the event of outages on either circuit, including Catamount Industrial Park in Milton.	Type, age, condition, and location of the asset: This line was first reconstructed in 1951 with repairs and replacements over the years due to storms and other damage. Customers served by project: WM-G92-1,387 34G1-1,868 Field crew assessment and other factors: Due to load and voltage constraints and conductors and equipment needed for underground, decision to do overhead rebuild with spacer cable was the most feasible option and least cost.
175348: Jamaica L5 P199 to 115	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $1,420,993	This project will significantly improve reliability to customers in the Route 100 area of Jamacia VT and provide crucial upgrades for feeder backup for the area. The project reconstructs and relocates portion of Rawsonville G-23 circuit (RA-G23) Line 5 poles 199 to 115 to 3 phase 477 spacer roadside. The cross-country sections were originally constructed in 1954 and there are still assets in the field from the original build, including poles and bare wire.	Type, age, condition, and location of the asset: This line was first constructed in 1954, with repairs and replacements over the years due to storms and other damage. Some of the lines are off-road, with difficult accessibility. Customers served by project: 414 Overall reliability: Over the past 5 years, a representative customer on this line experienced 7 outages totaling over 15 hours out. This project will not only reduce outages in the future for RA-G23 circuit, but also help support feeder backup capabilities to the Londonderry and Bromley substations Field crew assessment and other factors: GMP field crews highlight this location with extensive tree exposure to old bare wire and some pole plant needing replacement. Some sections are off road, making access difficult during storm events. This is also a tie to the Londonderry G-26 circuit. With a larger conductor, feeder backup capabilities will increase.
189704: Rt 100 Spacer cable	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $2,159,326	This project will significantly improve reliability to customers in the Route 100 area of Waitsfield, VT and provide feeder backup to the area. The project reconstructs and relocates portions of the Irasville 39G2 and 39G3 circuits to 3 phase 477 spacer roadside. This line needs upgrading as facilities were originally installed in 1948. This will increase feeder backup capability for the Sugarbush Resort and surrounding areas.	Type, age, condition, and location of the asset: This line was first constructed in 1948, with repairs and replacements over the years due to storms and other damage. Customers served by project: 39G2-900 39G3-465 Overall reliability: Over the past 5 years, a representative customer on the 39G2 circuit has experienced 13 outages totaling 41 hours out. A representative customer on the 39G3 circuit has experienced 22 outages totaling over 57 hours out. This project will drastically improve the reliability to both circuits.
195395: Fair Haven tie to New sub	Project Type: Distribution Lines Large Cap In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Operational Efficiency Secondary Purpose: Reliability Total Project Spending: $2,150,340	This project is in correlation with the new Fair Haven substation replacement, which will convert the existing voltage of 4.16KV to 12.47KV. In doing the conversion work, the wire will be upgraded to 477 spacer cable and new pole plant for the FH-J26 and FHJ28 circuits out of the new substation.	Type, age, condition, and location of the asset: This line was first constructed in 1966, with repairs and replacements over the years due to storms and other damage. Customers served by project: FH-J26-731 FH-J28-486 Overall reliability: : Over the past 5 years, a representative customer on FH-j26 circuit experienced 6 outages totaling over 13 hours out and a representative on the FH-J28 circuit experienced 3 outages totaling 6 hours out. This project will reduce outages on the substation breakers not caused by transmission outages.

Project Number and Title	Additional Information	Project Description	Project Justification
Distribution Lines Small Cap - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $13,024,417			
194170: 2026 Distribution Line Small Blanket	Project Type: Distribution Lines Small Cap In-Service Month: Monthly In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $13,024,417	Blankets are generally used for categories of spending where the anticipated level and need for the spending is known based on historical experience, but the exact location of work or the individual projects that will be required cannot always be known in advance. For the Distribution Line Blanket the Projects in these categories may include but are not limited to (1) reconstruction and rebuild projects primarily for safety, efficiency, and reliability of the distribution system; (2) customer-requested line extensions, relocations, and upgrades (3) road relocation projects (relocating T&D facilities for state- or municipality-initiated road or bridge construction); and (4) third-party reconstruction project (telephone or cable requests to upgrade and relocate joint facilities). These projects are primarily necessary to address safety and reliability. GMP continually examines our equipment and circuits to identify capital reconstruction and additions based on asset management, outage history and impact on customers, safety of employees and customers and cost. The Distribution Line Blanket amount placed in rate base is based on the 5-year historical average of capital spending adjusted for inflation or the current year budget for distribution line blanket. The amount included in this filing represents the FY2026 small distribution lines budget, which is lower than the 5-year average. This blanket is for projects that help ensure system capability and reliability on the distribution system. This work includes expenditures for addressing asset management concerns, relocating and reconductoring lines, voltage conversions, feeder backup, and fuse coordination. Overhead line projects typically include the installation of poles, cross arms, anchors, wire, and service conductor and associated hardware. Underground projects include pad mounts, terminating cabinets, URD cable, and terminators for underground lines.	The GMP system has over 15,000 miles of Distribution line requiring continual assessment to proactively address asset management issues, line protection, feeder backup capability and changing system conditions pertaining to loads and distributed generation. This is essential to prevent adverse impacts on customers or employees. GMP cannot dictate the timing of many of these types of projects —like when the state or municipality decides a line must be relocated, a customer needs a service installed, a renewable energy project must be interconnected, or a car damages a pole. These very events can affect the timing of construction and in-service dates for planned GMP projects, which is precisely why it is important to keep them in the blanket. This does not make the projects not necessary or less important; it just means they cannot always be planned. The need to quickly undertake these thousands of projects, coupled with the difficulty of predicting when they will occur, given the many factors affecting their timing, requires us to have a financial mechanism to address these needs quickly and efficiently. In this way, when the projects are ready to construct, GMP can get them done for our customers.
Distribution Lines Small Cap - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $16,846,688			
203565: 2027 Distribution Line Small Blanket	Project Type: Distribution Lines Small Cap In-Service Month: Monthly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose:Reliability Secondary Purpose: Safety Total Project Spending: $16,846,688	Blankets are generally used for categories of spending where the anticipated level and need for the spending is known based on historical experience, but the exact location of work or the individual projects that will be required cannot always be known in advance. For the Distribution Line Blanket the Projects in these categories may include but are not limited to (1) reconstruction and rebuild projects primarily for safety, efficiency, and reliability of the distribution system; (2) customer-requested line extensions, relocations, and upgrades (3) road relocation projects (relocating T&D facilities for state- or municipality-initiated road or bridge construction); and (4) third-party reconstruction project (telephone or cable requests to upgrade and relocate joint facilities). These projects are primarily necessary to address safety and reliability. GMP continually examines our equipment and circuits to identify capital reconstruction and additions based on asset management, outage history and impact on customers, safety of employees and customers and cost. The Distribution Line Blanket amount placed in rate base is based on the 5-year historical average of capital spending adjusted for inflation or the current year budget for distribution line blanket. The amount included in this filing represents the FY2027 small distribution lines budget, which is lower than the 5-year average This blanket is for projects that help ensure system capability and reliability on the distribution system. This work includes expenditures for addressing asset management concerns, relocating and reconductoring lines, voltage conversions, feeder backup, and fuse coordination. Overhead line projects typically include the installation of poles, cross arms, anchors, wire, and service conductor and associated hardware. Underground projects include pad mounts, terminating cabinets, URD cable, and terminators for underground lines.	The GMP system has over 15,000 miles of Distribution line requiring continual assessment to proactively address asset management issues, line protection, feeder backup capability and changing system conditions pertaining to loads and distributed generation. This is essential to prevent adverse impacts on customers or employees. GMP cannot dictate the timing of many of these types of projects —like when the state or municipality decides a line must be relocated, a customer needs a service installed, a renewable energy project must be interconnected, or a car damages a pole. These very events can affect the timing of construction and in-service dates for planned GMP projects, which is precisely why it is important to keep them in the blanket. This does not make the projects not necessary or less important; it just means they cannot always be planned. The need to quickly undertake these thousands of projects, coupled with the difficulty of predicting when they will occur, given the many factors affecting their timing, requires us to have a financial mechanism to address these needs quickly and efficiency. In this way, when the projects are ready to be constructed, GMP can get them done for our customers.

Project Number and Title	Additional Information	Project Description	Project Justification
Distribution Substation - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $3,945,881			
170612: Quechee PT Replacement	Project Type: Distribution Substation In-Service Month: 8 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $222,988	The primary reason for this Project is reliability. This project will replace voltage transformers at the Quechee substation on the 46 kV and the 12.47 kV bus. These voltage instrument transformers are vintage 1980 and have exceeded the manufacturer's life expectancy. GMP has experienced failures of this vintage and style of voltage instrument transformers. This equipment is used to provide voltage information to protective equipment, and the SCADA for remote indication. This project consists of the installation of (3) 46kV bus voltage transformers with steel support stand and (3) 46kV fuses with steel support truss.	The design life expectancy of this style of PT is 40 years old per the manufacturer. GMP has had failures of this style of VT with the earliest failure occurring after 36 years of service. Accordingly, GMP has adopted a policy of replacing units 35 years and older to maintain safety and system reliability. The project timing is appropriate as the asset is more than 45 years old. Replacement will help prevent unplanned outages that might otherwise occur. This project will be a like in-kind replacement.
182801: Carvers Falls	Project Type: Distribution Substation In-Service Month: 4 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $1,830,715	The primary reason for this project is to enhance reliability through asset condition upgrades. The project will replace the existing 1.5 MVA 46kV to 12.47kV distribution power transformer with a larger 5/7 MVA 46kv-12.47kV distribution power transformer. The larger transformer is being installed to allow for future feeder backup with the Fairhaven substation following the voltage conversion at the Fairhaven substation. The upgrades to the Carvers Falls Substation will be comprised of increasing the size of the voltage regulators from 219 amps to 328 amp, replacing the existing 2010 vintage 15kV distribution circuit breaker with integrated microprocessor based relay with a new 15 kV circuit breaker with separately located microprocessor based relays, replacing the existing 1955 vintage 46kV to 12.47kV 1.5 MVA power transformer with a 46kV to 12.47 kV 5/7 MVA transformer, installation of new high fuses for transformer protection, replacing the existing 1973 46kv gang operated air break switches with new 46kV motor operated Loadbreak switches, installing new relay and control equipment and replacing the existing 65 amp hour battery bank with a larger 84 amp hour battery bank. This project will also include installation of a separate portable substation yard, with ground grid to accommodate installation of a portable substation to serve load during the project and for future needs. In addition, the new yard will include an oil containment system and security system. The project requires the installation of portable substation to accomplish the substation upgrades. This project consist of the installation of (1) 5/7 MVA distribution power transformer, (6) 46kV power fuses for GSU and distribution transformer protection, (2) 46kV motor operated Loadbreak switches, (1) 15kV circuit breaker, (3) 328A voltage regulators, (1) RTU, communication and protection relay cabinet with steel support and foundations, (1) security system with cameras, yard lights and fence intrusion detection, and an oil containment system.	The Carver Falls substation upgrade project is needed for reliability and asset condition purposes. The existing 1.5 MVA power transformer is of 1955 vintage and has reached the end of its useful life. Additionally, the 46 kV gang-operated switches are of 1973 vintage and need replacement. The new, larger 5 MVA transformer will increase reliability for customers in the Fairhaven and West Haven areas by allowing for increased ability for Carvers Falls to pick up customers on the Fairhaven substation in the event of an outage. The larger 328-amp voltage regulators also increase feeder backup capabilities between Fairhaven and Carvers Falls.
188663: Spare 3.75 MVA Transformer	Project Type: Distribution Substation In-Service Month: 12 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Customer Service Total Project Spending: $681,479	The purchase of this 3.75/5.25 MVA 46x34.5/12.47kV spare transformer is to provide reliability in the event that a less than 5.25 MVA 46/12.47 kV or 34.5/12.47 kV transformer fails. This project consists of the purchase of (1) 3.75/5.25 MVA, 46x34.5/12.47 kV dual voltage spare	The primary reason for completing this project is Reliability. We do not currently have any spare transformers of this size available. GMP currently has thirty-six (36) 46/12.47 kV and ten (10) 34.5/12.47 kV transformer units smaller or equal to 5.25 MVA at various substations. The lead time on transformers of this size are up to 48 months, which is why it is important that GMP have spare transformers available in the event of a transformer failure.
199982: Wilmington Sub Upgrades	Project Type: Distribution Substation In-Service Month: 6 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Customer Service Total Project Spending: $385,327	This primary reason this project is being completed is to improve reliability through asset management. Additionally this project improves safety through the installation of a security system and completes our regulatory obligation to comply with Title 40 CFR112 regarding the existing oil containment. This project consists of the installation of (1) 69kV gang operated Loadbreak switch, (3) 69kV intermediate class lightning arresters, (3) 69kV power fuses for transformer protection and associated steel truss, (3) 69kV station class lightning arresters, (1) yard light/camera pole and foundation, (1) security system with camera and fence intrusion detection, oil containment system and yard stone.	This project is required for asset condition purposes and to improve substation safety and reliability. In 2023, VHB updated the Spill Prevention Control and Countermeasure (SPCC) plan for GMP's Brattleboro district. This SPCC Plan discusses spill prevention and readiness of response materials, equipment, and procedures to minimize the chances that a spill of oil or hazardous material will occur, and to prepare a proper response in the event a spill was to occur. The Wilmington #56 substation includes three transformers each with 1,345 gallons of oil and three regulators each having 358 gallons of oil. The SPCC recommended that the section of berm along the west side of the substation should be inspected and low points repaired to prevent a release of oil from potentially reaching the drainage swale and culvert which drains to the West River.
200297: Windsor Breaker Upgrades	Project Type: Distribution Substation In-Service Month: 12 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Customer Service Total Project Spending: $470,977	The primary reason for completing this project is to address asset management. The upgrades will include replacing three circuit breaker with three new 15 kV vacuum circuit breakers, upgrading communications and protection equipment and adding new line voltage transformers, all of which will improve reliability to the Windsor Substation. This project requires the installation of a portable substation to serve customer load during construction. This project consist of the installation of (3) 15kV RMAG circuit breakers, (1) RTU, relay and protection cabinet, (2) 15kV line voltage transformers and fuses, (1) DC load center panel and associated wiring.	The primary reason for completing the Project at this time is to address asset management issues by replacing aging equipment to improve substation safety and reliability and improving circuit feeder back-up for the Windsor area. There have been ongoing issues with this type of breaker not reclosing properly. Spare parts to repair these breakers are not readily available and can be expensive with long lead times.
200402: Mountain View Upgrades	Project Type: Distribution Substation In-Service Month: 12 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Customer Service Total Project Spending: $354,395	The project is being completed for reliability purposes through asset condition replacements. The project consists of the installation of new substation getaway conductors, re-insulation of the high and low side buses, removal of unnecessary fused bypass switches, and installation of a new AC panel for the AC load center. A new substation gate and improved lighting system will also be installed. This project consists of the installation of (84) 15kV station post insulators, (8) 34.5kV station post insulators, (3) 34.5kV lightning arresters, (9) 15kV lightning arresters, (30) underground getaway cable terminators, (1) AC panel load center, (3) 34.5kV single blade disconnects for portable sub connection, (3) 34.5kV power fuses for transformer protection, new yard stone, animal fence and yard lights.	This project is required for asset condition purposes and to improve substation safety and reliability. The proposed work is being completed at this time due to a planned substation bus outage which is required for planned transformer maintenance and testing.

Project Number and Title	Additional Information	Project Description	Project Justification
Distribution Substation - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $1,103,552			
198478: 2026 WO 34 Dist Subs Blanket	Project Type: Distribution Substation In-Service Month: Monthly In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $1,103,552	The primary reason for this Project is reliability. The distribution substation blanket is for expenditures to replace or repair deteriorated or failed equipment in distribution substations to maintain system capability and reliability. Typical projects in this distribution substation blanket include, but are not limited to, the unplanned but necessary replacement of distribution substation equipment such as lightning arresters, batteries, breakers and regulators. This distribution substation blanket is based on the 5-year average of capital spending.	These projects are typically driven by unforeseen failed equipment or other short-term drivers for needed work that needs to be done immediately for proper system operation.
Distribution Substation - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $5,914,530			
179736: Fair Haven Substation	Project Type: Distribution Substation In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $5,914,530	The primary reason for this project is to improve the reliability for the Fair Haven Substation by converting the 4.16 kV portion of the substation to 12.47 kV and addressing aging infrastructure. The Project consists of relocating and reconstructing the substation from its existing location on Cottage Street to a new location on Airport Road in the town of Fair Haven. The upgrades will be comprised of increasing the size of the voltage regulators to 438 amp voltage regulators for both circuits, replacing the 1967 vintage 5/6.25 MVA, 46/4.16 kV transformer with a 7.5/10.5 MVA, 46/12.47 kV transformer, replacing the 1988 vintage circuit reclosers with 15 kV vacuum circuit breakers, larger substation yard with new fencing, ground grid, conduit system, oil containment, lighting, and security system, as well as steel transmission and distribution structures that are in line with GMP's current substation standards. The project consists of the installation of (1) One 46 kV/12.47 kV, 7.5/10.5 MVA transformer, (2) 12.47 kV distribution circuits to replace the two existing 4.16 kV distribution circuits, (2) 46 kV vacuum circuit breakers and associated disconnect switches, (2) 46 kV motor operated load break switches, (2) 15 kV vacuum circuit breakers for the two distribution circuits, (6) 438 amp voltage regulators, (1) Control building, (1) 125Vdc battery bank, (1) AC load center panel, (1) DC load center plane, (1) expanded substation yard complete with new fence, foundations, ground grid, conduit and cable trench system, oil containment, lights and security system. This project has received a CPG, Case No. 25-0593-PET	The Fair Haven substation upgrade is necessary to address reliability and asset management. The proposed Fair Haven substation replaces equipment that has reached the end of its useful life. This will improve substation safety, enhance operability, and improve reliability to the Fair Haven area. The high-side and low-side structures are designed to improve overall clearance and flexibility, incorporating GMP's current standards and practices. The relocation of the substation will allow for the retirement of obsolete equipment, the removal of the existing Fair Haven substation from a flood plain, and the retirement and removal of approximately 3,000 feet of existing 46 kV transmission line which reduces reliability exposure to customers fed from the Fair Haven substation. The existing Fair Haven substation supplies two circuits, the FA-J26 and FA-J28 at a voltage of 4.16 kV. These circuits will be replaced by the FA-G26 and FA-G28 at a voltage of 12.47 kV. The existing 5/6.25 MVA, 46 kV/4.16 kV transformer is 56 years old and will be replaced with a 7.5/10.5 MVA, 46 kV/12.47 kV unit. The six existing 5 kV, 438 amp substation regulators were manufactured between 1999 and 2015, and will be upgraded to 15 kV, 438 amp units. The existing 1988 vintage 5 kV circuit reclosers will be replaced with 15 kV vacuum circuit breakers to address asset management and support a higher distribution voltage. The new circuit breakers will have microprocessor-based relays that will reduce fault-clearing times and have advanced features that are better suited for communication-based tripping and for any required communications to distributed energy resources ("DER's") installed on the distribution feeders. Additionally, microprocessor-based relays offer greater flexibility in protection and reclosing schemes. These relays could provide fault distance and event reports for restoration purposes. The substation's high-voltage side will be redesigned from a radial feed to a more reliable configuration using in-and-out circuit breakers. Accommodations for a portable substation are included to address a possible substation transformer failure. In addition, the substation design allows for a possible third 46 kV circuit breaker, and associated equipment, to accommodate the interconnection of a proposed 20 MW solar project. The costs for this third 46 kV circuit breaker, and associated equipment, would be borne by the solar project and are not incorporated in the cost estimate.
Distribution Substation - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total=$1,128,933			
198478: 2027 WO 34 Dist Subs Blanket	Project Type: Distribution Substation In-Service Month: Monthly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $1,128,933	The primary reason for this Project is reliability. The distribution substation blanket is for expenditures to replace or repair deteriorated or failed equipment in distribution substations to maintain system capability and reliability. Typical projects in this distribution substation blanket include, but are not limited to, the unplanned but necessary replacement of distribution substation equipment such as lightning arresters, batteries, breakers, and regulators. This distribution substation blanket is based on the 5-year average of capital spending.	These projects are typically driven by unforeseen failed equipment or other short-term drivers for needed work that needs to be done immediately for proper system operation.
General Tools - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $510,842			
191773: 2026 General Tools Blanket	Project Type: General Tools In-Service Month: 9 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: $510,842	This blanket covers the purchase of tools and equipment needed due to failure or higher efficiency tools and equipment that are needed to support the electrical system, such as lineworker tools or test equipment. Some tools are needed for safety initiatives. The capital blanket is based on the FY 2026 budget, which is lower than the five-year average.	This equipment is necessary for basic area functions. Typical expenditures may be for defibrillators, testing and diagnostic equipment, and lineworker tools.

Project Number and Title	Additional Information	Project Description	Project Justification
General Tools - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $524,859			
191773: 2027 General Tools Blanket	Project Type: Transformers In-Service Month: 9 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose:Reliability Secondary Purpose: Customer Service Total Project Spending: $524,859	This blanket covers the purchase of tools and equipment needed due to failure or higher efficiency tools and equipment that are needed to support the electrical system, such as lineworker tools or test equipment. Some tools are needed for safety initiatives. The capital blanket is based on the FY 2027 budget, which is lower than the five-year average.	This equipment is necessary for basic area functions. Typical expenditures may be for defibrillators, testing and diagnostic equipment, and lineworker tools.
Meters - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $852,687			
197664: 2026 Meters Blanket	Project Type: Meters In-Service Month: Semi-Annually (3 and 9) In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose:Reliability Secondary Purpose: Customer Service Total Project Spending: $852,687	This blanket covers purchases for meter additions and metering instrument transformers. These purchases are necessary for proper customer service and reliability. The Distribution Meter Blanket is based on the FY2026 capital budget, which is lower than the five-year average.	These upgrades are required because: 1. Deteriorated and failed meters must be replaced to maintain customer service. 2. Meter additions necessary to accommodate changes in rate design. 3. Meter CTs and VTs are necessary to support proper system operation including substation protection. This equipment is used to provide voltage information to protective equipment, and the SCADA for remote indication. 4. Meter additions and replacements are necessary to facilitate substation and circuit monitoring.
Meters - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $1,524,065			
203492: 2027 Meters Blanket	Project Type: Meters In-Service Month: Semi-Annually (3 and 9) In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Customer Service Total Project Spending: $1,524,065	This blanket covers purchases for meter additions and metering instrument transformers. These purchases are necessary for proper customer service and reliability. The Distribution Meter Blanket is based on the five-year average for FY2027.	These upgrades are required because: 1. Deteriorated and failed meters must be replaced to maintain customer service. 2. Meter additions are necessary to accommodate changes in rate design. 3. Meter CTs and VTs are necessary to support proper system operation including substation protection. This equipment is used to provide voltage information to protective equipment, and the SCADA for remote indication. 4. Meter additions and replacements are necessary to facilitate substation and circuit monitoring.
Regulators and Capacitors - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $1,559,638			
200405: 2027 Regulators and Capacitors Blanket	Project Type: Regulators and Capacitors In-Service Month: Quarterly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Customer Service Total Project Spending: $1,559,638	This blanket covers the purchase and installation of regulator and capacitor units, which provide voltage support to the electrical system. These units are replaced as failures are experienced or added as needed to ensure adequate system performance. These purchases are necessary for proper customer service and reliability. The capital blanket is based on the FY2027 capital budget, which is less than the 5-year average.	Regulators and capacitors are necessary for adequate voltage, to stay within ANSI standards, for proper system performance and operation. This equipment may be required to allow for feeder backup. They must be replaced in the event of a failure. More specifically, this equipment is necessary because: 1. Deteriorated and failed regulators and capacitors must be replaced to ensure proper system operation. 2. Capacitors and regulators will be added to improve the efficiency and performance of the distribution system. 3. Proper VAR compensation provides for cost-effective power delivery and may postpone investment in system facilities. This is a requirement for the ISO Operating Practice OP17.

Project Number and Title	Additional Information	Project Description	Project Justification
Transformers - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $2,165,664			
181704: 2026 Distribution Transformer Blanket	Project Type: Transformers In-Service Month: Quarterly In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose:Reliability Secondary Purpose: Customer Service Total Project Spending: $2,165,664	This blanket covers purchases and installation of pole and padmount transformers for the distribution system. These purchases are necessary for providing electric service to our customers. The Distribution Transformer Blanket is based on the Fiscal Year 2026 budget for distribution transformers given these dollars are less than the 5-year average of capital spending.	Transformers are a necessary piece of equipment in order to provide electric service to customers. Specifically, these capital blanket work order expenditures are necessary because: Deteriorated and failed transformer units must be replaced to maintain customer service. The installation of new transformers will be needed to serve new customer load and distributed generation projects. The installation of new transformers will improve system efficiency and performance. New transformer purchases are based on a transformer purchase formula that evaluates total owning cost based on purchase price, no load loss (kW) and full load winding loss (kW) consistent with methodologies described in the Company's Integrated Resource Plan. Transformer units will have to be replaced as part of voltage conversion projects due to different equipment ratings. All distribution transformers are purchased on the basis of a Transformer Loss Formula as required in the GMP Integrated Resource Plan when feasible. There may be exceptions due to extreme supply chain issues where we may purchase from the supplier with the lowest lead-time. The loss formula enables GMP to add transformers to its inventory that are the lowest life-cycle cost based on both the first cost of a given unit and the expected cost of demand and energy losses over the unit's life.
Transformers - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $6,159,753			
181704: 2027 Distribution Transformer Blanket	Project Type: Transformers In-Service Month: Quarterly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose:Reliability Secondary Purpose: Customer Service Total Project Spending: $6,159,753	This blanket covers purchases and installation of pole and padmount transformers for the distribution system. These purchases are necessary for providing electric service to our customers. The Distribution Transformer Blanket is based on the Fiscal Year 2027 budget for distribution transformers given these dollars are less than the 5-year average of capital spending.	Transformers are a necessary piece of equipment in order to provide electric service to customers. Specifically, these capital blanket work order expenditures are necessary because: Deteriorated and failed transformer units must be replaced to maintain customer service. The installation of new transformers will be needed to serve new customer load and distributed generation projects. The installation of new transformers will improve system efficiency and performance. New transformer purchases are based on a transformer purchase formula that evaluates total owning cost based on purchase price, no load loss (kW) and full load winding loss (kW) consistent with methodologies described in the Company's Integrated Resource Plan. Transformer units will have to be replaced as part of voltage conversion projects due to different equipment ratings. All distribution transformers are purchased on the basis of a Transformer Loss Formula as required in the GMP Integrated Resource Plan when feasible. There may be exceptions due to extreme supply chain issues where we may purchase from the supplier with the lowest lead-time. The loss formula enables GMP to add transformers to its inventory that are the lowest life-cycle cost based on both the first cost of a given unit and the expected cost of demand and energy losses over the unit's life.
Transmission Lines - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $1,307,794			
188852: KCW Tap P44 Relocation	Project Type: Transmission Lines In-Service Month: 8 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $199,306	This project is needed as the result of a VTRANs bridge replacement across the East Branch of the Mississquoi river. The pole relocation is needed to provide the VTRANs crews safe working clearance while replacing the bridge. Installation consists of two (2) poles, four (anchors), and 2000' of 959 ACSS conductor. Underbuilt distribution and communications assets will be relocated separately by their own respective owners.	The project is necessary so that VTRANS crews working on a bridge replacement allow Route 100 will be able to safely perform their work with ample clearance between the working equipment and the KCW Tap transmission line.
196145: TL 3313 Laminate Replacements	Project Type: Transmission Lines In-Service Month: 4 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $1,006,835	The primary justification for this project is Reliability. There are a total of nine laminate pole structures on the 3313 line in Stowe that are in need of replacement due to degradation. In the past, VELCO has had similar laminate poles fail while energized, causing reliability and safety concerns. Therefore, GMP is replacing these laminate poles pre-emptively for reliability and safety reasons. The poles structures that are being replaced are underbuilt with Stowe Electric Department distribution lines. Installation comprises of nine (9) poles, twenty-nine (29) anchors, and 270' of 336 MCM ACSR conductor.	This project is necessary at this time because the nine laminate poles are showing signs of degradation and have been known to fail. GMP is preemptively replacing these structures due to reliability and safety concerns if one of these poles were to fail.
201593: TL45 Carvers Portable Tap	Project Type: Transmission Lines In-Service Month: 1 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $101,653	The primary justification for this project is Reliability. This project is to create a new transmission tap at the Carver's Falls substation to allow for the installation of a portable substation in the event of an outage or maintenance at the Carver Falls substation. Carver's is fed radially via TL 45 , so currently even routine substation maintenance requires an outages to customers fed from this substation. This project is being complete as part of the larger substation work at Carver's Falls so that the transformer can be replaced and the substation deenergized for maintenance and a portable substation can be installed. Installation consists of replacement of three (3) poles, four (4) anchors, one (1) manually operated loadbreak switch 600' of 1/0 AAAC conductor and associated hardware.	This project is necessary at this time because the Carvers Falls substation is radially fed from the transmission line, and installing a portable substation is necessary to keep customers powered during the transformer replacement and substation maintenance at Carvers Falls. This portable tap connection will be permanent to allow for future usage of the portable substation.

Project Number and Title	Additional Information	Project Description	Project Justification
Transmission Lines - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $2,028,509			
198479: 2026 WO 32 Transmission Blanket	Project Type: Transmission Lines In-Service Month: Monthly In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose:Safety Total Project Spending: $ 2,028,509	The primary reason for this Project is reliability. This Capital Blanket is for expenditures to replace damaged or failed equipment in transmission substations and for transmission lines in order to ensure system capability and reliability. Typical projects in this blanket work order include, but are not limited to, replacement of equipment such as lightning arresters, batteries, breakers, transmission poles and insulators replacement of which could not be pre-planned. The Transmission WO32 Blanket is based on the FY26 budget, which is lower than the 5-year average of capital spending.	These projects are typically driven by unforeseen deteriorated or failed equipment and are needed immediately for proper system operation.
Transmission Lines - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $2,723,847			
176574: Irasville TL Bypass	Project Type: Transmission Lines In-Service Month: 5 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $994,523	The primary justification for this project is Reliability. This project is being completed in conjunction with the Irasville substation rebuild. The installation of this bypass line will maintain the network from The Middlesex 3310 terminal to the Montpelier 3310 terminal as well as the radial feed to Madbush via the radial 3327 transmission line from Irasville. Installation consists of thirteen (13) poles, nine (9) anchors, 2,460' of 750 MCM Copper underground cable, 1000' of 556 MCM ACSR conductor, two (2) loadbreak switches and associated hardware.	This project is necessary at this time because it is needed to maintain system reliability during the rebuild of the Irasville substation. The Project will allow for continued networking of the 34.5 kV subtransmission system and for continued service to the Madbush substation. The Irasville substation rebuild project requires that the high side bus structure is de-energized. Since the networked 3310 transmission line and the radial 3327 transmission line terminate at the high side bus structure in the Irasville substation, a bypass transmission structure is needed for the duration of the rebuild to maintain reliability for the 3,500 customers fed off of the Irasville and Madbush substations.
180123: TL65 Pole Replacement	Project Type: Transmission Lines In-Service Month: 1 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $ 906,936	The primary justification for this project is asset management to maintain reliability. This line is a 46 kV subtransmission line from Brandon to Pittsford Village. Roughly 74 1960s vintage poles are being replaced as they were flagged as deteriorating. Installation consists of replacing seventy four (74) aging poles along the TL 65 transmission line between the Pittsford and Brandon substations.	This project is necessary at this time to maintain system reliability in the Rutland area, as the aging assets along this transmission line need to be replaced. GMP has approximately 17,700 wood poles making up its transmission line infrastructure. Of these, we currently have 2,641 poles that are 1959 or older (over 60 years old). GMP must apply a systematic approach to pole replacement to ensure that reliability will not begin to degrade, mitigate higher reactive maintenance costs and to also prevent higher future replacement costs due to increased quantities of older assets requiring replacement. For example, if GMP deferred replacement of the 2,641 poles for ten years, we would then be looking at the need to replace at one time over 7,000 poles, all of which would be over 60 years old. Such a concentrated effort to replace aging poles would increase costs, threaten safety and reliability, and be hard to implement all at once. Accordingly, GMP systematically upgrades transmission lines in a manner that maintains safety and reliability over time.
188729: Fair Haven TL Bypass	Project Type: Transmission Lines In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $516,313	The primary purpose of this project is reliability. The work will be completed as part of the Fairhaven substation rebuild and will include the construction of a temporary transmission bypass on TL 45 to maintain radial transmission service to the Carver Falls substation while the permanent in-and-out structure is constructed to the new Fairhaven substation. Following the completion of the in-and-out structure, the temporary bypass will be paralleled with the original TL45 and new in-and-out structure, and then the temporary bypass will be de-energized and retired to allow for the construction of the new Fairhaven substation. This order of operations allows customers to never see an outage and allows crews safe working clearance for all transmission and substation work. Installation consists of five (5) poles, four (4) anchors, one (1) motor operated loadbreak switch, 2500' of 477 MCM ACSR Conductor and associated hardware.	This project is necessary at this time because it is needed to maintain system reliability during the construction of the new Fairhaven substation. The project will allow for continued transmission service to Carver Falls via the radial TL 45. This bypass is temporary until the Fairhaven substation work is completed. It is necessary for the reliability of the Poultney area transmission network.
203681: Welden St TL Bypass	Project Type: Transmission Lines In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $306,075	The primary justification for this project is Reliability and to support the substation work that is planned at Welden St. This project will install 3 temporary line reclosers on TL 135, 139, and 128 and a temporary strain bus behind all of the reclosers to mimic the functionality of the bus at Welden St. This project also includes the replacement of eight 1950s vintage transmission poles in the vicinity of the project. Installation comprises of eight (8) poles and eighteen (18) anchors and associated hardware.	This project is necessary at this time to support the substation maintenance project at Welden St. and to maintain system reliability of the 34.5 kV subtransmision system in the St. Albans area. The installation of the temporary reclosers and strain bus will allow for the existing system topology to be maintained. Without maintaining system topology in the Welden St. area, the St. Albans area can experience low voltages and potential thermal overloads under certain contingencies at peak load levels. This project is temporary until the Weldon St. substation project is complete.
Transmission Lines - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total=$2,075,165			
198479: 2027 WO 32 Transmission Blanket	Project Type: Transmission Lines In-Service Month: Monthly In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose:Safety Total Project Spending: $ 2,075,165	The primary reason for this Project is reliability. This Capital Blanket is for expenditures to replace damaged or failed equipment in transmission substations and for transmission lines in order to ensure system capability and reliability. Typical projects in this blanket work order include, but are not limited to, replacement of equipment such as lightning arresters, batteries, breakers, transmission poles and insulators replacement of which could not be pre-planned. The Transmission WO32 Blanket is based on the FY27 budget, which is lower than the 5-year average of capital spending.	These projects are typically driven by unforeseen deteriorated or failed equipment and are needed immediately for proper system operation.

Project Number and Title	Additional Information	Project Description	Project Justification
Transmission Substations - Interim Year (Oct. 1, 2025 - Sept. 30, 2026) Total = $1,759,994			
170590: Nason St PT Replacement	Project Type: Transmission Substations In-Service Month: 1 In-Service Year: 2026 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $108,805	The primary reason for this Project is reliability. This project will replace voltage transformers at the Nason Street substation on the 34.5 kV. These voltage instrument transformers were installed in 1977 and have exceeded the manufacturer's life expectancy. GMP has experienced failures of this vintage and style of voltage instrument transformers. This equipment is used to provide voltage information to protective equipment, and the SCADA for remote indication. This project consists of the installation of (2) 34.5 kV line voltage transformers with associated fuses.	The design life expectancy of this style of VT is 40 years old per the manufacturer. GMP has had failures of this style of VT with the earliest failure occurring after 36 years of service. Accordingly, GMP has adopted a policy of replacing units 35 years and older to maintain safety and system reliability. The project timing is appropriate as the asset is more than 35 years old. Replacement will help prevent unplanned outages that might otherwise occur. This project will be a like in-kind replacement.
188862: VELCO Middlebury	Project Type: Transmission Substations In-Service Month: 10 In-Service Year: 2025 Fiscal Year: FY2026 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $1,651,190	The primary reason for this project is reliability. The VELCO Middlebury 115/46 kV substation connects the VELCO 115 kV transmission system to the GMP 46 kV system in the Middlebury area. VELCO performed a substation condition assessment of the VELCO Middlebury Substation and determined improvements that were required to the substation for asset condition purposes. These improvements include a larger control building and modern insulation and disconnects; GMP's portion of this project includes the installation of the new H43 breaker. This new injection point will supply the 46 kV TL60 refeed project to Huntington and Belden's Falls in order to improve reliability for these two generators. Specific to the GMP Exclusive Facility assets, the following new equipment will be installed: One (1) 46 kV breakers, eighteen (18) single blade disconnects, nine (9) 46kV lightning arresters	VELCO assesses their substations as part of the Substation Condition Assessment Project (SCAP), including the VELCO Middlebury Substation. VELCO established a goal of performing one to two substation upgrades per year, over a several year period. Various factors have influenced the schedule or timeline for the SCAP upgrades, including known deficiencies, station age, and system location. VELCO completed the condition assessment of its Middlebury substation and received a CPG in 2023. This project addresses the majority of the substation concerns by performing in-kind replacement and modifications of the existing equipment. The addition of the H43 breaker will improve system reliability by allowing for the Huntington and Belden Falls hydro generators to interconnect with less exposure to faults and will allow customers fed from TL76 to see less exposure from the original radial tap to these generators.
Transmission Substations - Rate Year (Oct. 1, 2026 - Sept. 30, 2027) Total= $12,475,456			
165007: Irasville Sub Rebuild	Project Type: Transmission Substations In-Service Month: 5 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $8,052,497	The rebuild of the Irasville #39 Substation is being done for reliability. The substation will be designed with a 15/28 MVA transformer with the three existing circuits (39G1, 39G2 and 39G3) to allow for improved feeder backup for the Madbush #38 substation and to address asset management issues. The project includes the addition of two 34.5 kV breakers to improve the reliability of the 37-mile long subtransmission line (3310) between Middlesex and Montpelier. The upgrades to the substation would be comprised of oil containment, regulator upgrades, and circuit breaker installation to replace existing reclosers, relay protection upgrades, yard expansion, fence, ground grid and communications. Installation consists of (4) 34.5kV RMAG circuit breakers and disconnect switches, (2) 16'x18' 34.5kV Steel structures with associated foundations and bus work, (3) 34.5kV bus voltage transformers with associated fuses, (3) 34.5kV line voltage transformers with associated fuses and foundations, (1) 46kV rated gang operated loadbreak bypass switch, (1) 34.5kV gang operated Loadbreak switch for future portable connection, (1) 15 MVA 34.5kv-12.47 power distribution transformer, (1) 15kV loadbreak switch, (3) 15kV RMAG circuit breakers and disconnect switches, (3) 5'x18' 15kV steel structures with associated foundations and bus work, (9) 546A circuit voltage regulators, (3) 15kV line voltage transformers, (3) 15kv bus voltage transformers, , (2) station service transformers, (1) control building with HVAC, AC panel, DC panel,125VDC battery bank and charger, (5) relay and protection control panels, (1) substation yard with fence, retaining walls, security system, yard stone, ground grid and oil containment system.	The primary reason for completing this Project is to improve reliability for customers in Washington County, Vermont by providing greater feeder backup during planned and emergency outages and improving the 34.5 kV network. This substation is tapped off from a 37-mile-long line between Middlesex and Montpelier with inadequate remote line protection. The new breakers will allow for better protection and increased reliability given the fault can be isolated and not take out the entire 37 miles of line. The Irasville transformer currently has a top nameplate of 10.5 MVA and is 50 years old. Given Irasville has feeder backup ties to Madbush and the combined loads are close to 14 MVA, a new 15/28 MVA transformer will be installed with 437 amp substation circuit regulators. This project will also address asset management issues including upgrade of all relaying.
192465: VELCO - St Johnsbury Upgrades	Project Type: Transmission Substations In-Service Month: 4 In-Service Year: 2027 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $2,850,356	The primary reason for project is reliability. The VELCO Higgins Hill Substation connects to the VELCO 115kV electric transmission network in Caledonia County and feeds GMP 34.5 kV network north to GMP Fairbanks, St Johnsbury Center, LED Lyndonville, west to GMP Bay St, Barker Ave., south to NG McIndoes Falls, east to GMP Gilman substation and hydro facility. In addition to upgrading some of GMP's exclusive facility assets project upgrades include a new control with new protection and control equipment, the replacement of an existing circuit switcher to a circuit breaker, as well as the expansion of the substation fence and other below grade improvements. Specific to the GMP Exclusive Facility assets, the following new equipment will be installed: Three (3) 34.5 kV circuit breakers, nine (9) single blade disconnects, nine (9) lightning arresters, two (2) 34.5 kV line voltage transformers.	VELCO assesses their substations as part of the Substation Condition Assessment Project (SCAP), including the VELCO Middlebury Substation. VELCO established a goal of performing one to two substation upgrades per year, over a several year period. Various factors have influenced the schedule or timeline for the SCAP upgrades, including known deficiencies, station age and system location. VELCO completed the condition assessment of its Middlebury Substation in 2019 and received a CPG in 2024. Project addresses the majority of the substation concerns by performing in-kind replacement and modifications of the existing equipment. The 34.5 kV breakers are beyond their useful life and will be replaced with vacuum breakers. The electromechanical relays will be replaced with microprocessor relays, improving relay protection schemes, provides breaker failure relaying, 34.5 kV bus differential protection and digital fault recording.
194206: Welden Street Breakers	Project Type: Transmission Substations In-Service Month: 12 In-Service Year: 2026 Fiscal Year: FY2027 Primary Purpose: Reliability Secondary Purpose: Safety Total Project Spending: $1,572,603	The primary reason for completing the Welden St. Breaker Replacement Project is to improve reliability. The upgrades to the substation include the replacement of two 1959 vintage oil breakers with GMP's standard RMAG vacuum breaker. One newer RMAG breaker will remain in place. The project will also consist of the removal of the existing capacitor bank controls, the installation of a new capacitor breaker for switching, as well as reinsulating the buswork, fusing the bus and line potential transformers, installing a tap for a portable substation, and security upgrades. This project consists of the installation of (3) 34.5kV RMAG circuit breakers with associated foundations and disconnects, (2) 34.5kV line voltage transformers with associated foundations and fuses, (3) 34.5kV fuses for existing bus voltage transformers, (9) 34.5kV lightning arresters, (1) 46kV rated gang operated Loadbreak bypass switch, (4) relay and protection control panels, (1) RTU and communication equipment, (1) precast cable trench system, (1) DC panel load center, (1) AC panel load center, (1) heat pump for existing control building, (1) security system with cameras, lights and fence intrusion detection, (1) animal fence.	This project is needed for reliability reasons. The existing 1959 vintage oil breakers have reached the end of their useful life. Further, when oil breakers fail, they tend to cause large amount of damage to nearby equipment. A failure of a breaker at Welden St. would limit the system operator's ability to reliably serve the St. Albans area during certain load and contingency conditions. The installation of fuses on the line and bus potential transformers will increase reliability in the event of a PT failure which would otherwise cause all adjacent breakers to operate.