

Project Number and Title	Additional Information	Project Description	Project Justification
<b>Transportation - Interim Year (Oct. 1, 2021 - Sept. 30, 2022) Total = \$6,331,585</b>			
171014: Bucket Trucks	Project Type: Transportation In-Service Month: 1 In-Service Year: Oct 2021 Fiscal Year: FY2022 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$3,521,687	This Project included the purchase of several bucket trucks and small vehicles to replace aging vehicles in GMP's fleet. The Project was started in FY2021, but since of the vehicle deliveries were delayed, in part, due to quality control issues with bucket trucks that were delivered incomplete and were sent back to the vendor for rework. As a result, the Project was not able to be closed to plant in FY2021 and was instead, closed in FY2022. In total, this project included the replacement of 8 aging Line Trucks (6 buckets and 2 digger derricks), 13 new small vehicles to replace vehicles that are at or beyond their replacement age and truck body and trailer equipment.	GMP needs to replace some portion of its fleet vehicles every year as they age and degrade as discussed above. The fleet mechanics identified the vehicles that are at, or beyond, their useful ages and needed to be replaced during this year since they would not pass another annual VT State inspection. The heavy duty component of the fleet works hard carrying heavy loads, pulling heavy trailers and working in all weather conditions, especially during storm restoration. Field workers depend on these workhorses to move materials and equipment for their work. Small vehicles are also a critical part of GMP's operations, such as meter installations and readings and pool transport between sites.
177015: Electric Vehicles	Project Type: Transportation In-Service Month: 12 In-Service Year: Sep 2022 Fiscal Year: FY2022 Primary Purpose: Operational Efficiency Secondary Purpose: Operational Efficiency Total Project Spending: \$257,768	Small vehicles in GMP's transportation fleet include cars, SUVs or light duty trucks. This project involves routine replacement of small auto vehicles that are used every day to transport GMP employees to projects, read meters etc, and have reached end of life because of their age and condition. The replacement vehicles will all be hybrid or fully Electric Vehicles (EVs). In total 7 vehicles will be replaced with 6 Toyota RAV4 Hybrids and 1 Ford Mustang EV.	GMP needs to replace some portion of its fleet vehicles every year as they age and degrade and become more costly to try and maintain. For FY22, GMP will replace a small number of vehicles and begin the larger replacement plan in FY23 in order to catch up over time with the aging fleet of vehicles that are at, or beyond, their useful life. With the number of electric vehicles available in the marketplace at economic prices, transitioning to an EV fleet makes sense at this time, so we are purchasing primarily EVs for small vehicle needs where we can and in some instances will utilize plug in hybrid vehicles as well. GMP continues to focus on helping our customers transition from fossil fuels in their own transportation and need to do so ourselves. This is the start of an overall transition strategy to all electric in our fleet.
177016: Small Vehicles	Project Type: Transportation In-Service Month: 12 In-Service Year: Sep 2022 Fiscal Year: FY2022 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$385,098	This small equipment vehicle project consists of purchasing 2 pickup truck chassis with utility bodies, a small electric forklift, cable reel trailer, track digger trailer and an electric stakebody truck. These vehicles will replace current GMP small equipment vehicles. The trailers and forklift being replaced are all well beyond their useful service lives. The electric forklift will replace a propane powered forklift and the replacement trailers will replace specific utility trailers used for various transmission, distribution and substation project work. The electric stakebody is one of two large electric utility trucks that GMP received a grant for. The cost of the electric stakebody is 75% covered by the grant.	The pickups, trailers and forklift being replaced are significantly beyond their service lives and need immediate replacement. The grant money that was awarded to GMP to purchase the Lion 6 electric stakebody truck presented a valuable opportunity for customers to very economically replace an existing fossil-fueled stakebody truck that has past its service life with a clean, efficient electric version. The grant also included funds to replace an existing bucket truck with an EV version which will be received by GMP in FY2024, and is therefore not part of this Project.
177017: Bucket Trucks	Project Type: Transportation In-Service Month: 12 In-Service Year: Sep 2022 Fiscal Year: FY2022 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$1,427,276	Bucket trucks and digger derricks in GMP's transportation fleet are the primary front-line pieces of equipment used by lineworkers each day. There are currently over 100 of these heavy duty vehicles in the GMP fleet which must be replaced over time as they age and experience wear and degradation from environmental factors such as salt, brine, water and heat from everyday field use on often challenging, rural roads. These vehicles are not only important tools in accomplishing every day work but they are also a key piece of personal safety equipment. Four bucket trucks that are beyond their life will be replaced at a cost of \$330,472.88 per truck.	GMP needs to replace some portion of its fleet vehicles every year as they age and degrade as discussed above. The fleet mechanics identified these 4 bucket trucks as beyond their useful ages and needed to be replaced during this year since they would not pass another annual VT State inspection. The heavy duty component of the fleet works hard carrying heavy loads, pulling heavy trailers and working in all weather conditions, especially during storm restoration. Field workers depend on these workhorses to move materials and equipment for their work and as mentioned above, they are a critical piece of safety equipment for high voltage electric work.
177018: Digger Truck	Project Type: Transportation In-Service Month: 12 In-Service Year: Sep 2022 Fiscal Year: FY2022 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$739,807	Bucket trucks and digger derricks in GMP's transportation fleet are the primary front-line pieces of equipment used by lineworkers each day. There are currently over 100 of these heavy duty vehicles in the GMP fleet which must be replaced over time as they age and experience wear and degradation from environmental factors such as salt, brine, water and heat from everyday field use on often challenging, rural roads. GMP has determined that 2 digger derrick trucks will need to be replaced in 2022. Safety is always top priority in all the work we do for both our customers and employees. These vehicles provided an added layer of safety for our team when working in the energized space which is why maintaining and replacing when needed is important for safe work.	The fleet mechanics have identified two vehicles that will be beyond their useful ages in 2022 and needed to be replaced during this year since they would not pass another annual VT State inspection. The heavy duty component of the fleet works hard carrying heavy loads, pulling heavy trailers and working in all weather conditions, especially during storm restoration. Field workers depend on these workhorses to move materials and equipment for their work. Newer vehicles are more reliable and more efficient, so fuel efficiency and reliability increase as the age of the fleet decreases.
<b>Transportation - Rate Year (Oct. 1, 2022 - Sept. 30, 2023) Total = \$3,207,207</b>			
179597: Medium Duty Vehicles	Project Type: Transportation In-Service Month: 12 In-Service Year: Sep 2023 Fiscal Year: FY2023 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$1,606,920	This Project involves the replacement of 19 medium sized vehicles. Medium vehicles in GMP's transportation fleet are classified as 2500 through 5500 series trucks and are often purchased as a cab and chassis, then outfitted with a crane body, flatbed, utility body or similar depending on the field worker needs. There are currently 60 of these medium duty vehicles in the GMP fleet which must be replaced over time as they age and experience wear and degradation from environmental factors such as salt, brine, water and heat from everyday field use on often challenging, rural roads. GMP's medium duty vehicles are used for 8 years, then are sold and replaced. By the time a vehicle reaches this age, it is common for it to have reached 150,000 miles or more.	By 2023, the 19 medium vehicles being replaced will have aged beyond the replacement period. Replacing these 19 medium vehicles in fiscal year 2023 will help us remain on track with lifecycle targets and provide reliable efficient vehicles to the field workers. GMP needs to replace some portion of its fleet vehicles every year as they age and degrade. The medium duty component of the fleet works hard carrying heavy loads, pulling heavy trailers and working in all weather conditions, especially during storm restoration. Field workers depend on these vehicles to move materials and equipment for their work.
179797: Light Duty Vehicles	Project Type: Transportation In-Service Month: 12 In-Service Year: Sep 2023 Fiscal Year: FY2023 Primary Purpose: Reliability Secondary Purpose: Operational Efficiency Total Project Spending: \$1,600,287	This Project is for the replacement of 25 cars, 4 forklifts, and 4 cable reel trailers that are part of GMP's current small vehicle fleet. Small vehicles in GMP's transportation fleet are classified as cars, SUVs or light duty trucks. Small forklifts are also included in this class. Light duty trucks are either 1500 series or compact trucks such as the Ford F-150 or Toyota Tacoma, respectively. There are currently 153 of these light duty vehicles in the GMP fleet which must be replaced over time as they age and experience wear and degradation from environmental factors such as salt, brine, water and heat from everyday field use on often challenging, rural roads. GMP is also transitioning to electricity as a transportation fuel, striving for 100% of full electric cars and SUVs by 2025, and 25% of light duty trucks to EV also by 2025. GMP's light duty vehicles are used for 8 years, then are sold and replaced. By the time a vehicle reaches this age, it is common for it to have reached 150,000 miles or more. This Project also includes replacement of two 12,000 lb forklifts and two 6,000 lb forklifts which are well beyond their useful service lives and need replacement. The current propane powered forklift replacements will also be fully electric.	By 2023, approximately 58 small vehicles will have aged beyond their useful life so we are behind in the replacement cycle for this fleet component. Replacing a subset of these small vehicles in fiscal year 2023 will help us catch up and provide reliable efficient vehicles to the field workers. Of the 58 small vehicles up for replacement, GMP as identified 25 cars/pickups that are at, or beyond, their useful ages and are most in need of replacement this year. The forklifts and trailers being replaced are also at the end or beyond their useful service life and need to be replaced. GMP is proposing to replace the vehicles and the forklifts with EV options because of the number of electric vehicles available in the marketplace at economic prices and the benefits that EVs will provide.