

Green Mountain Power
Schedule I - Climate Plan Project Report
 For Information Only; No Impact on FY21 Base Rates

Summary of Anticipated FY21 Climate Projects by Department
 (detail by department provided on sub-schedules)

Provided for Informational purposes only under pending Climate Plan in Case No. 20-0276-PET. Per proposed Climate Plan, projects would be presented in the Annual Base Rate filing in the year before completion but not be included in rates until after completion of construction and approval by Commission as part of following year Annual Base Rate Filing.

Final projects in any given year may vary, depending on limitations in construction or timing of permitting, approvals, etc., but will not exceed the total in the preliminary list. Note that this list was developed by GMP prior to review of DPS responsive testimony in the Climate Plan docket; review of DPS position may result in modification of project list for FY21.

Department ¹	Total Projects (anticipated)	Capital Investment (anticipated)	O&M Costs (anticipated)
T&D (Schedule I-1)	11	\$7,081,156.55	\$0
Generation (Schedule I-2)	2	\$7,755,438.00	\$0
IT/OT (Schedule I-3)	8	\$2,215,374.00	\$33,262.00
Innovation ²	0	\$0	\$0
Total:	21	\$17,051,968.55	\$33,262

¹ CP Department Designation

- T&D
- Generation
- IT/OT
- Innovation

² With respect to innovation projects, GMP anticipates continuing to work with partners and stakeholders to develop criteria for identifying resiliency zones, as well as continuing work to evaluate and select a distributed energy resources software platform in the coming fiscal year but does not anticipate project-specific O&M costs or closing any capital projects

Green Mountain Power
Schedule I - Climate Plan Project Report - T&D Projects
For Information Only - No Impact on FY21 Base Rates

Fiscal Year Project	Project Name / Description	Climate Plan 'CP' Department Designation ¹⁾	Capital or O&M Project	Description of Criteria Fit	Preliminary Budget		Completed Project		
					Anticipated In-Service Date (month / year)	Total Budget Amount (Capital Installation)	Oracle Project Number	Actual In-Service Date (month / year)	Actual Project Amount (Capital Installation) ²⁾
2021	166684: CAP-LVH4A P.1 to P.30 - Communities Served : Townshend, Jamaica	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 5.3 - SAIFI: 6.8 - SADI: 35.9 Total Cust Hrs Out : 6,628 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$733,297	166684		Project is located within an FCC census blockdesignated as underserved for broadband. GMP recommends adding dark fiber to the construction budget amount.
2021	167068: CAP-LVH4A P.30 to P.102 - Communities Served : Townshend, Jamaica	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 5.3 - SAIFI: 6.8 - SADI: 35.9 Total Cust Hrs Out : 6,628 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$1,565,032	167068		Project is located within an FCC census blockdesignated as underserved for broadband. GMP recommends adding dark fiber to the construction scope. Fiber costs not within the project budget amount.
2021	171071: CAP-L.3 P.147 to L.92 P.26 - Communities Served : Sharon, South Royalton	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 6.4 - SAIFI: 1.9 - SADI: 11.9 Total Cust Hrs Out : 15,317 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$1,278,115	171071		Project is partially located within an FCC census blockdesignated as underserved for broadband. GMP recommends adding dark fiber to the construction scope. Fiber costs not within the project budget amount.
2021	171725: CAP-L.88 P.41X to L.881 P.19-1 - Communities Served : Sharon, Strafford	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 5.5 - SAIFI: 11.0 - SADI: 59.9 Total Cust Hrs Out : 30,469 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$110,570	171725		
2021	171726: CAP-L.88 P.12 to L.881 P.41X - Communities Served : Sharon, Strafford	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI:5.5 - SAIFI: 11.0 - SADI: 59.9 Total Cust Hrs Out : 30,469 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$138,272	171726		
2021	171727: CAP-L.51 P21 to P.49 - Communities Served : Londonderry, Winhall	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 23.8 - SAIFI: 2.2 - SADI: 52.2 Total Cust Hrs Out : 8,348 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare / Tree).	Sept '21	\$494,097	171727		
2021	171728: CAP-L.881 P.19-3 to L.8812 P.7-2 - Communities Served : Sharon, Strafford	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 22.1 - SAIFI: 2.0 - SADI: 44.7 Total Cust Hrs Out : 11,730 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$192,505	171728		
2021	171730: CAP-LVH4A P.125 to L.V66 P.70-2 - Communities Served : Townshend, Jamaica	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 2.8 - SAIFI: 14.9 - SADI: 42.3 Total Cust Hrs Out : 29,956 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare). C	Sept '21	\$522,969	171730		Project is located within an FCC census blockdesignated as underserved for broadband. GMP recommends adding dark fiber to the construction scope. Fiber costs not within the project budget amount.
2021	171731: CAP-L.47 P.26 to P.98 - Communities Served : Woodstock	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 11.8 - SAIFI: 3.5 - SADI: 41.9 Total Cust Hrs Out : 5,617 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$321,066	171731		
2021	171732: CAP-L.51 P.61 to P.86 - Communities Served : Londonderry, Winhall	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI: 15.6 - SAIFI: 6.8 - SADI: 35.9 Total Cust Hrs Out : 6,628 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$266,610	171732		Project is located within an FCC census blockdesignated as underserved for broadband. GMP recommends adding dark fiber to the construction scope. Fiber costs not within the project budget amount.
2021	171734: CAP-L.6 P.1 to Weston Village - Communities Served :Londonderry, Weston	T&D	Capital	Prioritized project based on consideration of Climate Plan criteria (Customer Demog: Rural - CAIDI:12.8 - SAIFI: 2.7 - SADI: 34.6 Total Cust Hrs Out : 26,090 - Assets Age > 40 :Yes - Asste Condition- Plant: Poor - Asset Location: Road / X-Country - Asset Type Wire: Bare).	Sept '21	\$1,458,624	171734		
					Total Capital:	\$7,081,157			

¹⁾ CP Department Designation
T&D
Generation
IT/OT
Innovation

²⁾ Exhibit 2 Documentation Requirements
Capital Projects over \$2,000,000 shall be considered 'Major Projects' and require a cost-benefit analysis (see exemptions in Exhibit 2 MOU)
Capital Projects under \$2,000,000 shall be considered 'Non-Major Projects' and require a financial analysis

Green Mountain Power
 Schedule I - Climate Plan Project Report - Generation Projects
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Fiscal Year Project	Project Name / Description	Climate Plan 'CP'		Description of Criteria Fit	Preliminary Budget		Completed Project			
		Department Designation ¹⁾	Capital or O&M Project		Anticipated In-Service Date (month / year)	Total Budget Amount (Capital Installation)	Oracle Project Number	Actual In-Service Date (month / year)	Actual Project Amount (Capital Installation) ²⁾	Notes
2021	Goshen Intake	GENERATION	Capital	Priority High Hazard Dam; need for work accelerated	Sep-21	5,760,809	167976			Installation of automated Water Control Gate, Intake Structure, Access Bridge, Improve outlet structure, and modernized dam monitoring & surveillance.
2021	Middlesex Rock Anchors	GENERATION	Capital	Priority High Hazard Dam; need for work accelerated	Jan-21	1,994,629	169950			Dam Stability Project - Installation of Rock Anchors & Crest Concrete Resurface
					Total Capital:	\$ 7,755,438.00				
					Total O&M	\$ -				

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Green Mountain Power
 Schedule I - Climate Plan Project Report - IT Projects
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Fiscal Year Project	Project Name / Description	Climate Plan 'CP' Department Designation ¹⁾	Capital or O&M Project	Description of Criteria Fit	Preliminary Budget		Completed Project			Notes
					Anticipated In-Service Date (month / year)	Total Budget Amount (Capital Installation)	Oracle Project Number	Actual In-Service Date (month / year)	Actual Project Amount (Capital Installation) ²⁾	
2021	RTU Replacement Acceleration	IT/OT	Capital	Improved resiliency through addition of remote operation ability	Sep-21	2,000,000				Year 1 of multiyear effort to complete two RTU acceleration projects combined.
2021	Enterprise Internet Redundancy	IT/OT	Capital	Improved resiliency through increased redundancy for key enterprise systems	Sep-21	12,000				Internet service redundancy for critical HQ facilities and service centers to provide uninterrupted access to cloud-based outage management, work management, GIS, safety, and communications platforms in the event of carrier or main circuit loss. Goal is route these standby, backup connections through a provider with path and/or geographic diversity to ensure high availability.
2021	Enterprise Internet Redundancy Annual O&M Costs	IT/OT	O&M	Improved resiliency through increased redundancy for key enterprise systems	Sep-21	16,000				
2021	Satellite Communication Infrastructure	IT/OT	Capital	Improved resiliency through increased failover redundancy for key enterprise systems	Sep-21	62,374				Satellite phone failover capability to enable uninterrupted communications with field crews, law enforcement, stakeholders, etc. in the event land line infrastructure (poles and wires), radio, and/or cellular communications services are lost.
2021	Satellite Communication Infrastructure O&M Costs	IT/OT	O&M	Improved resiliency through increased failover redundancy for key enterprise systems	Sep-21	702				
2021	Enterprise Network Redundancy	IT/OT	Capital	Improved resiliency through increased redundancy for key enterprise systems	Sep-21	24,000				GMP's grid communications and management networks are highly-digitized. This project is intended to make those systems resilient by providing for wireless/cellular failover, so that, in the event of a climate-driven service interruption, GMP operators can maintain a minimally-viable level of control, telemetry, and communications capability with SCADA and other grid equipment until main carrier services are restored.
2021	Enterprise Network Redundancy O&M Costs	IT/OT	O&M	Improved resiliency through increased failover redundancy for key enterprise systems	Sep-21	16,560				
2021	Enterprise Customer Communications Systems	IT/OT	Capital	Improved communications redundancy for stakeholder communications	Sep-21	117,000				Unified digital messaging platform to facilitate storm, emergency and other communications with customer and non-customer stakeholders, including first responders, public works, regulators, law enforcement. Creates the ability to communicate with multiple constituencies from a single, cloud-based source while also facilitating the ability for stakeholders to subscribe to the types and frequency of notifications most useful to them.

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Total Capital: \$ 2,215,374.00
 Total O&M \$ 33,262.00