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August 21, 2026

Via ePUC

Holly Anderson, Clerk
Vermont Public Utility Commission
112 State Street
Montpelier, VT 05620-2701

Re: Case No. 26A-0009 – Green Mountain Power Resilient Neighborhood 2.0 Innovative Pilot

Dear Ms. Anderson:

Please accept this as the six-month update to Green Mountain Power's ("GMP") Resilient Neighborhood 2.0 Innovative Pilot (the "Pilot" or "Phase 2").

Phase 2 builds on GMP's original Resilient Neighborhood Pilot by extending the updated Resiliency Package to more homes in the Hillside East neighborhood and continuing to test how a coordinated, fully electric neighborhood can provide resiliency and grid benefits while informing a scalable model for future all-electric residential development in Vermont.

Summary of Progress and Participation

Since the initial Phase 2 filing, construction and occupancy have continued with 12 new homes built and occupied in the neighborhood—three single family homes, two duplex units, five market rate triplex units, and two permanently affordable triplex units. Eight additional homes are currently under construction. The Resiliency Package and whole-home electrification continue to be integrated into each participating home as part of the home's design and construction.

We continue to learn important lessons from customers' experiences moving into fully electric homes and from the installation and operation of the neighborhood's distributed energy resources. Some customer improvements from early Phase 2 lessons include standardizing the 200-amp service for all-electric single-family homes, refining the customer payment structure, and providing a new electric rate appropriate for a fully electric home—resulting in the amendment we filed June 17, 2026 and discussed further below.

Standardizing 200-Amp Service

All single-family homes currently being constructed in the Resilient Neighborhood are now being built with standard 200-amp service rather than 320-amp service.

This is an important improvement that puts into action one of the central objectives of Phase 2 and builds on the load data and operating experience collected during Phase 1 of the Pilot. Standardizing 200-amp service for single-family all-electric homes supports the scalability of the Resilient Neighborhood model by avoiding larger and more costly service equipment where it is not needed. This is a significant benefit to this neighborhood and to other homes undergoing infrastructure upgrades or new construction. This work was done in collaboration with the Vermont State Electrical inspection office to ensure these homes could be served safely and reliably with 200-amp service and meet all applicable electrical code requirements.

The cost savings associated with standardizing 200-amp service are being reviewed by the developer as Phase 2 continues to be built out. We will provide quantified savings in a future update as they become available.

Integration with the Grid

We continue to dispatch the batteries in the Resilient Neighborhood as part of the same operating cohort as batteries enrolled in GMP's broader Energy Storage System ("ESS") program. 121 batteries have been installed at Hillside East to date, totaling 577 kW of distributed energy storage.

Operating the neighborhood batteries with the ESS cohort keeps the systems integrated into our existing storage portfolio and allows the batteries to support broader peak management and power-supply operations. For example, these batteries are part of our Virtual Power Plant (VPP) and helped drive down peak energy costs by approximately \$6M for all GMP customers during July's extreme heat event, if it holds as the New England peak. We will continue to evaluate neighborhood-specific operating strategies and performance as additional homes are completed and occupied.

Updated Resiliency Package Pricing for Phase 1 Customers

All customers are now paying \$55/month for two batteries and 4 kW of solar and \$75/month for three batteries and 8 kW of solar. Customer feedback has been consistently positive for both new and existing customers. For customers in Phase 1, we implemented monthly bill credits so their effective monthly Resiliency Package payments reflect the updated pricing introduced in Phase 2. Customers in single-family homes with three Powerwalls now receive a credit of \$10 per month. Customers in triplex units with two Powerwalls receive a credit of \$20 per month.

eRate Implementation and Customer Usage

As discussed in our June 17th amendment to the Pilot, in the coming months interested Resilient Neighborhood customers can participate in the optional eRate in time for the upcoming heating season.

The eRate has a break-even point of approximately 725 kWh per month compared with Rate 1. A review of current customer usage shows that every single-family household averages more than 725 kWh per month and would be expected to save under the eRate. All but three triplex customers also average more than 725 kWh per month and would be expected to save.

Current average and median monthly consumption by home type are:

Home Type	Average Monthly Usage	Median Monthly Usage	Customers Above 725 kWh/Month (> 5 months of data)
Single-family homes	1,381 kWh	1,209 kWh	19/19 customers
Triplex units	1,120 kWh	1,142 kWh	19/22 customers

The goal is for the eRate to lower annual energy costs for nearly all current Resilient Neighborhood customers while still preserving benefits for non-participating customers. The greatest savings for participating customers are expected during the heating season. Because customer participation for the eRate will start soon, we do not yet have results to report. Future updates will compare actual bills under the eRate with what participating customers would have paid under Rate 1 and note customer feedback.

Customer Billing Experience

We used to start new Resilient Neighborhood customers on budget billing using estimated average consumption for their unit type. The purpose of this approach was to smooth the seasonal changes in monthly bills associated with heating an all-electric home during winter.

This approach has worked well for many customers whose consumption is at or below the average for their unit type. However, it has not worked as well for customers whose actual consumption is materially higher than the estimated average.

Electric consumption in these homes varies based on a wide range of customer-specific factors, including household makeup and size, square footage, electric vehicle ownership, work-from-

home schedules, travel patterns, thermostat settings, and hot-water consumption. These differences make it challenging to always accurately predict a new customer’s annual load profile before the customer has lived in the home through a full year.

Beginning with the upcoming heating season, customers will be given the option to participate in the new eRate. After a participating customer has completed one year on the eRate, we will have a customer-specific average monthly usage figure that includes a complete heating season. The customer may then elect budget billing based on the customer’s own usage history. This approach will also allow new customers to learn the seasonal usage profile of a fully electric home before deciding whether budget billing is right for them while they still get the benefits of savings through the eRate.

Objectives and Evaluation

The measurement methods and measures of success established in the initial Phase 2 notice and the June 2026 amendment remain in place. The current status of each objective is summarized below.

Objective	Current Status
Standardize 200-amp service, rather than 320-amp service, for fully electric single-family homes.	Achieved to date. All single-family homes currently being constructed in the neighborhood are using standard 200-amp service. GMP is awaiting information from the developer regarding construction cost savings associated with this change.
Show that a fully electric neighborhood can be used as a grid asset to provide grid and market benefits.	In progress. The neighborhood batteries continue to be dispatched with GMP’s broader ESS program, as part of our overall VPP. GMP will continue neighborhood-specific load-shape testing and feeder-level evaluation as additional homes become occupied.
Improve the customer experience in enrolling and participating in the streamlined Resiliency Package.	In progress. Phase 1 customers are now receiving monthly bill credits that align their effective payments with the updated Phase 2 pricing. GMP is also refining the billing onboarding process with a new eRate.
Develop and refine a scalable model for fully electric residential development.	In progress. The 200-amp construction standard, aligned Resiliency Package pricing, and revised sequencing of the eRate and budget billing are being evaluated as components of a repeatable model.

Objective	Current Status
Determine whether the eRate improves the customer experience for fully electric homes.	Implementation before winter. GMP will offer customers the opportunity to participate in eRate in time for the upcoming heating season and monitor participation, retention, customer questions, and customer feedback in the next 6 months.
Evaluate whether the eRate helps manage the cost of operating a fully electric home.	Pre-enrollment analysis completed. Current usage data shows every single-family customer and all but three triplex customers average more than the 725 kWh monthly break-even point and would be expected to save. Actual bill comparisons will begin after customers begin using eRate.
Determine whether the eRate can inform future rate design for electrified residential customers.	In progress. An early implementation lesson is that offering the eRate before budget billing may benefit customers more and allow any future budget amount to be based on actual customer-specific usage. GMP will continue evaluating participation, seasonal bill changes, billing implementation, and the interaction between the eRate and budget billing to optimize benefits for customers.

Advancing State Energy Goals

The Resilient Neighborhood 2.0 Pilot continues to advance Vermont’s energy goals by demonstrating how fully electric homes can be constructed and operated reliably without unnecessarily oversized service equipment, while using distributed energy resources to support customers and the grid.

The Pilot is also testing how rate design and customer billing practices can better support homes that use efficient electric heating. Refining the eRate and the customer onboarding process can help support simple electrification while preserving the Pilot’s value for customers not participating in the Resilient Neighborhood.

Future Updates

We will provide additional updates to the Commission in the 12-month and 18-month pilot updates. These updates will include information regarding construction and installation progress, customer experience and feedback, distributed resource performance, eRate participation, and customer bill changes.

Should GMP decide to terminate the Pilot before the end of the full 18-month period, GMP will notify the Department and all relevant parties as soon as possible.

Sincerely,

A handwritten signature in black ink, appearing to read 'E. Pereira', written over a light gray horizontal line.

Elias Pereira
Energy Innovator

cc: Jim Porter, DPS (*via ePUC*)
Peter Walke, Efficiency Vermont (*via email*)
Jonathan Dowds, Renewable Energy Vermont (*via email*)