



Efficiency Maine Small Battery Aggregator Program Concept

Stakeholder Discussion

November 19, 2025

Goal and Disclaimers

Goal: solicit feedback from stakeholders on our small battery aggregator program concept

Disclaimers:

- We're not committing to launch a program.
- This is not a decision-making discussion.
- Nothing here is confidential.

Introduction

- Efficiency Maine runs all efficiency and demand management programs in Maine.
- Looking to discharge customer batteries during monthly peaks, reducing costs for all ratepayers by minimizing both the annual summer peak and Maine's ISO-NE Regional Network Service (RNS) monthly charges.
- Looking to work with aggregators who are sole interface to customers.
- Proposing for small commercial and residential customers who are metered based on the number of kWh's they use. Proposed program would complement large battery management program for demand metered customers.

Proposed Incentives

- \$200/yr/avg kW, pro-rated over the year
 - Based on average curtailment across all events in the program year
 - If a customer is not enrolled for a given event or opts out of the entire event, performance will be counted as 0 kW for that event
 - Incentives paid annually
- No penalty for failure to perform (other than 0 in performance calculation)
- Customers can opt out of any event at any time and performance will be calculated for the event accordingly
 - Example: If a customer contributes 10kW for one hour of a 4-hour event, the contribution for that event will count as 2.5 kW

Proposed Events

- Events will take place year-round (12 mth/yr)
- 2-6 events per month
 - Can opt out of any event/month/season
 - Would it help to have max events/yr instead of per month?
 - Would it help to say max # events/month by season (e.g., max 2/mth winter/summer, max 6 events/mth in spring/fall)
- 2-hour events typically between 5pm-9pm M-F non-holidays
- Can batteries be set to discharge evenly over the course of a peak event?

Proposed Terms

1. Fixed duration contract for customers enrolled during enrollment window
 - a. What's better, 5 years or 10 years?
2. Efficiency Maine may choose to stop enrolling new customers at any time
3. Program year runs from 7/1 through 6/30
4. Rolling 12-month enrollment window
 - a. Example: if enroll 6 months into the year, then events from the first 6 months count as zero performance

Proposed Role of Efficiency Maine

- Confirm enrollment requests
 - Eligible
 - Funding available (we would reserve funds)
 - Not already claimed by another aggregator
- Forecast events and send day-ahead event notices
- Calculate and pay incentive to aggregator based on inverter data
- Use smart meter interval data to check random sample of accounts (QA)
- Handle program audits (EM&V)

Proposed Role of Aggregator

- Market the program
- Recruit customers
- Negotiate incentive split with customer (any split is fine)
- Enroll customers with electric utility account # and copy of customer agreement to Efficiency Maine
- Dispatch batteries when alerted by Efficiency Maine
 - Manage minimum SOC, scheduled charging, all other customer settings
- Provide tech support to customers
- Provide battery performance data from inverter to Efficiency Maine
(SUGGESTIONS ON WHAT TO SPECIFY HERE?)
- Distribute incentives to customers



Proposed Eligibility

1. Aggregator
 - a. Fleet must be at least 50 avg kW/event
 - i. Context: 8 Powerwalls ~100kW
 - b. Any type of entity including Third Party Owners, battery manufacturers, and installers
2. Battery
 - a. Any brand
 - b. Max 50 kW per meter (currently 20kW, Powerwall max is 46kW for a 2-hour event, 100% discharge)
3. Customer
 - a. Residential or small general service business (by rate type)
 - b. In Maine
 - c. All utility customers (CMP, Versant, or municipally-owned)

What are we missing?