

Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty

DE 17-189

Petition to Approve Battery Storage Pilot Program

State of New Hampshire Public Utilities Commission – Record Requests

Date Received: 12/22/22
Request No. RR 1

Date of Response: 1/4/23
Respondent: Heather M. Tebbetts

REQUEST:

Please provide the updated cost-effectiveness analysis (referred to as the Filing Cost Test analysis) as utilized in attachment 2 to the Settlement Agreement to provide revised projections of Pilot cost-effectiveness for phases one and two in live Excel format, and compare it with the cost-effectiveness analysis attached in the Settlement Agreement. Please explain all assumptions used in the model.

RESPONSE:

Please see Attachment RR 1.xlsx for the live Excel format of the cost-effectiveness projections.

The Company and its consultant Guidehouse updated the data from the original analysis that was included in the Settlement Agreement, including the following:

- Actual battery installations each year;
- Actual number of batteries paid for upfront;
- Success rate revised to 79% based on actual data versus the projected 75%;
- Percent of discharge sent to grid per actuals revised from 100% to 48% - the difference was used at the customer's home;
- Actual net metering export rates which include 25% distribution and 100% of transmission and energy service, versus the original analysis which only included the export transmission rate under TOU rates for net metering credits;
- Actual RNS rates per ISO New England for years 2019 through 2023, using the same methodology of increasing the 2022 rate by 4% per the original analysis for the future years;
- Actual LNS rates per the New England Power bills received from 2020 through 2022, using the same methodology of increasing the 2022 rate by 4% per the original analysis for the future years;
- Avoided capacity rates were updated using the AESC 2021 Wholesale Capacity Energy Price Projection report; original rates were using the AESC 2017 report;
- The battery revenue requirement and depreciation data were updated to include actual costs for Phase 1 and projected costs for Phase 2 based on Phase 1 data;

- Phase 2 install date was changed to 2024; and
- The meter revenue requirement and depreciation data were updated to include actual costs for the meters and changing the Phase 2 meter install date to 2024.

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DE 17-189

Petition to Approve Battery Storage Pilot Program

State of New Hampshire Public Utilities Commission – Record Requests

Date Received: 12/22/22
Request No. RR 2

Date of Response: 1/4/23
Respondent: Heather M. Tebbetts

REQUEST:

Please provide the updated cost-effectiveness analysis (referred to as the Filing Cost Test analysis) as utilized in attachment 1 to the Settlement Agreement to provide revised projections of Pilot cost-effectiveness for phases one only in live Excel format, and compare it with the cost-effectiveness analysis attached in the Settlement Agreement. Please explain all assumptions used in the model. Please provide all supporting schedules.

RESPONSE:

Please see Attachment RR 2.xlsx for the live Excel format of the cost-effectiveness projections for Phase 1.

The Company and its consultant Guidehouse updated the data from the original analysis that was included in the Settlement Agreement, including the following:

- Actual battery installations each year;
- Actual number of batteries paid for upfront;
- Success rate revised to 79% based on actual data versus the projected 75%;
- Percent of discharge sent to grid per actuals from 100% to 48% - the difference was used at the customer's home;
- Actual net metering export rates which include 25% distribution and 100% of transmission and energy service, versus the original analysis which only included the export transmission rate under TOU rates for net metering credits;
- Actual RNS rates per ISO New England for years 2019 through 2023, using the same methodology of increasing the 2022 rate by 4% per the original analysis for the future years;
- Actual LNS rates per the New England Power bills received from 2020 through 2022, using the same methodology of increasing the 2022 rate by 4% per the original analysis for the future years;
- Avoided capacity rates were updated using the AESC 2021 Wholesale Capacity Energy Price Projection report; original rates were using the AESC 2017 report;

- The battery revenue requirement and depreciation data were updated to include actual costs for Phase 1 based on Phase 1 data; and
- The meter revenue requirement and depreciation data were updated to include actual costs for the meters.