

**STATE OF NEW HAMPSHIRE
PUBLIC UTILITIES COMMISSION**

DE 20-170

ELECTRIC DISTRIBUTION UTILITIES

Electric Vehicle Time of Use Rates

**Procedural Order Re: Scheduling Hearing on Electric Vehicle
Charging Time of Use Tariff and Metering Pilot Proposal**

Electric Vehicle Charging Time of Use Tariff

On July 7, 2022, Public Service Company of New Hampshire d/b/a Eversource Energy (Eversource or the Company) filed with the Commission its proposed Electric Vehicle (EV) Charging Tariffs providing for a time of use (TOU) rate for both residential and commercial customers. Eversource filed its proposed tariff pursuant to Order No. 26,604 (April 7, 2022), which stated that:

FURTHER ORDERED, that Eversource shall develop proposals for a two-period TOU rate for separately metered EV charging residential customers and a three-period TOU rate for separately metered EV charging commercial customers, and file those proposed rates with the Commission within 90 days of this order, together with estimates of costs to implement, as discussed herein.

Id. at 26.

In its tariff filing, Eversource estimated that work to develop and implement the TOU EV tariff would involve design, build, test and deployment under its C2 system and would take approximately eight months after receiving Commission direction to implement the rate or six months from the time of a resourced project kick-off meeting. See EV Rate Attachments to Eversource's Compliance Tariff at Tab #121, at Bates page 028.

Eversource's estimated cost is approximately \$500,000. *Id.*

Pilot Proposal

On October 7, 2022, Eversource filed an alternative metering feasibility assessment pilot program proposal (Pilot) in this docket, as required by Order No. 26,604 (April 7, 2022). Eversource's Pilot proposal states the following:

- A. Purpose. "The Pilot is designed to determine the technical and practical feasibility of utilizing metering embedded in Electric Vehicle Supply Equipment ('EVSE') and metering embedded in electric vehicles for the purposes of offering [EV] only time varying rates to residential customers."
- B. Scope. "Over a minimum 12-month period after customers have enrolled, the Pilot will evaluate charging session data accuracy, data availability, and data security of data provided by meters embedded in select EVSE and select EVs compared with revenue grade utility interval meters. The Company will issue a request for proposals ('RFP') for a third-party to administer the Pilot. The scope of work shall include customer recruitment and enrollment, verification that the EVSE, EV and Wifi capability all meet program requirements, data collection, data analysis and reporting of findings. The Company will evaluate results from up to 100 customers who are enrolled in the Company's proposed residential EV Time of Use ('TOU') rate, by comparing charging data obtained from EVSEs or the EV telematics" with data from revenue grade utility interval meters."
- C. Cost of Implementation. Eversource's estimated cost is approximately \$600,000. This estimate was based upon all participating customers enrolling in the separately metered residential EV TOU rate and installing a Company interval meter that enables 15-minute interval data to be read. "The Company will collect the data from both the participating EVSE and the Company's EV TOU meters. The Company will analyze and compare embedded data collected from the EVSE against the correlating utility

metering interval data for the same period to assess accuracy, availability, format, interface capabilities, data sharing, load metering, sub-metering, metering data disaggregation, remote control, volt/VAR capability, and customer controls ”

D. Time Needed to Implement the Pilot. Eversource estimates that the Pilot implementation will have a minimum duration of 30 months.

Hearing

A hearing is scheduled on January 31, 2023, at 9:00 a.m. to provide Eversource and the parties with an opportunity to address matters pertaining to Eversource’s assumptions, design, and cost estimates for its proposed EV TOU tariff and its proposed EV metering Pilot. During the hearing the Commission will ask questions concerning the design and cost of implementing the EV TOU tariff and about the design and cost of implementing the Pilot. Eversource should be prepared to address any alternative approaches that were considered for the Pilot, as well as methods explored to determine technical feasibility of the Pilot and to validate the concept once feasibility is confirmed. Following Eversource’s presentation and Commission questions, the Commission will allow questions and comments from parties concerning the EV TOU Tariff and the Pilot.

Three hours will be allotted for this hearing, which will be conducted in person, in accordance with the attached hearing guidelines. If additional time will be required, the parties are requested to notify the Commission within ten days from the date of this order.

So ordered, this twenty-third day of November, 2022.


Daniel C. Goldner
Presiding Officer
Chairman

Service List - Docket Related

Docket#: 20-170

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