

EV Make-Ready Program (MRP) Midpoint Review

Presented by the Joint Utilities of New York

November 29, 2022

CASE 18-E-0138 - Order Establishing Electric Vehicle Infrastructure Make-Ready Program and Other Programs

Contents For Discussion Purposes Only – Subject to Change



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Agenda

- Make-Ready Program reporting overview
- Observed data reporting challenges
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Make-Ready Program reporting overview

- Data collection and reporting is an important part of the Make-Ready Program to assess program and customers costs, program performance, EV charging station utilization and uptime, and impact of EV charging to the grid
- Order lays out four reporting categories for utility- and participant-reported data, detailed on the next slide
- Per the Order, the JU has contracted with a third-party data vendor to aggregate participant-provided data for quarterly and annual reporting
- **As of the Midpoint Review, the utilities and their data vendor have observed significant challenges for participants and participating EVSE network service providers to report the required data**

Make-Ready Program data reporting requirements

Utility Primary Reporting Responsibility

1) Reporting period program participation information

- a) Percent of service applications that have matured into operating stations
- b) Number of station owners participating
- c) Number of sites for which incentives were issued
- d) Number of plugs installed
- e) Make-Ready and New Business infrastructure costs incurred by the utility and customers (equipment and installation costs)

2) Utility system and billing information for each station

- a) 15-minute interval data*
- b) Load profiles for the stations for the top ten demand days of each year
- c) Utility bills differentiated by delivery service-related costs and energy-related costs

Participant Primary Reporting Responsibility

3) Plug and charging session data

- a) Number of sessions daily
- b) Start and stop times of each charge
- c) Time each vehicle is plugged in per session
- d) Peak kW per charging session*
- e) kWh per charging session
- f) Plug outage information (number and duration of expected and unexpected outages)*

4) Financial information

- a) Fee structure (i.e. cost per minute, cost per kWh, cost per session and whether the station owner is providing charging for free)*
- b) Charging revenues derived*
- c) Operating costs, which should include energy-related costs and non-energy-related costs separately identified*

*** Indicates reporting requirements that are challenging to meet either due to unavailability of data (i.e., no separate AMI meter), inability or unwillingness of networks to provide data, or barriers to site hosts collecting and reporting data**

Observed data reporting challenges

Challenges

- Majority of sites are not separately metered, presenting load and billing information gaps
 - If not separately metered, 15-min interval data must be provided by the participant/network, which not all networks can do today
 - If not separately metered, utility billing information includes co-mingled energy and load information
 - If separately metered, many sites may not meet utility tariff requirements for interval meters
- Obtaining complete data from EVSE network providers continues to be a challenge
- While most customers choose to be networked, some stations are not networked (because they aren't required to be under the Order) and it is unclear whether they will be able to comply

Impact to Participants

- Reporting requirements are costly
- Customers have a hard time navigating the technology choices in the market
- Network providers do not seem to be improving capabilities to support customers in meeting current requirements

By the numbers: Observed network and participant challenges

4,520

Completed and validated
plugs in the program

19

EVSE network service
providers

3

Networks have reliable
integrated data access
portals. All others use email
or a secure file transfer
platform to submit data.

Plug and charging session data requirements with significant reporting challenges

	15-min Interval Data (during active charging session)	Complete 15- min interval data (96 intervals per day)	Complete Session Data (i.e., start/stop time, duration, total kWh)	Peak kW per charging session	Plug outage information
# Networks with capability	6	4	15	8	4
% plugs covered	46%	31%	85%	15%	6%

Financial information data requirements with significant reporting challenges

Number of Unique Sites for Reporting	Valid Fee structure	Valid Charging revenues derived	Valid Operating costs
510	<5%	<5%	<5%

Note: All data as of Q3, 2022



Midpoint Review options for consideration

- The Joint Utilities recommend that Staff convene a working group with industry stakeholders to determine what information can feasibly be collected on an annual basis to assess the overall effectiveness of the MRP
- Simplify the reporting requirements to reduce cost and complexity
- Consider development of a statewide qualified product list to correctly align reporting responsibilities and help customers navigate technology choices
- If current requirements remain in place, consider making networking fees eligible for incentives to reduce cost burden

Q&A