Company
Docket No. 26-08-05
Response to Interrogatory CAE-12
Date of Submission: August 28th, 2026
Witness: Jennifer Runyon Eversource, Logan Taricani United Illuminating, Sergio Carrillo Connecticut Green Bank

Question:

CAE-12 Program Administrator Order No. 20 Compliance, July 29, 2026, Att. 1, p. 66. Estimate the number and percentage of electric vehicle supply equipment (EVSE) or electric vehicle (EV) models that currently satisfy the technical requirements recommended in the Bidirectional EV Report, separately identifying commercial and residential devices. Include all assumptions used to develop the estimates.

Response:

A list of EVSE and EV devices identified as meeting the technical requirements recommended in the Bidirectional EV Report, based on available information, is provided below. It is impractical to provide an estimate of models that meet recommended requirements, as doing so would require defining both the number of "models" within a given product line and the appropriate universe of models against which compliant models would be measured, neither of which is consistently defined across manufacturers or the bidirectional EVSE market generally. Under these circumstances, presenting a percentage is impractical and could be misleading. This difficulty is compounded by the nascency of the bidirectional EVSE market: the UL 1741 Supplement SC certification pathway on which the Bidirectional EV Report relies was finalized less than three months ago, and the underlying product lists are updated on an ongoing basis based on information and submissions provided by manufacturers.

Accordingly, the lists below should be understood as directional, point-in-time compilations rather than a definitive or exhaustive accounting of qualifying devices. These estimates have been developed based on various third-party product lists including:

- Connecticut Open Data (CtData)
- General Motors (GM)
- Blue Bird (Blue Bird)
- Micro Bird (Micro Bird)
- IC Bus (IC Bus)
- California Energy Commission's V2G Equipment List (V2GEL)
- EPRI's Vetted Product List (VPL)

For the ISO 15118-20, which the Program Administrators' ("PAs") anticipate will be one of the more challenging requirements to adhere to, as it is a relatively new standard, note that the PAs' recommendations included exempting equipment that has already been installed from this requirement and considering additional exemptions as more models are certified to the standard.

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Still, the PAs believe that including ISO 15118-20 as a requirement, even if there are likely to be exceptions provided early on, will help signal to the market the importance of the standard.

EV	Battery Capacity (kWh)	Segment
Blue Bird Vision Electric Type C	~196	Commercial
Blue Bird All American Electric Type D	~194	Commercial
BYD Achiever Type A	~156	Commercial
BYD Creator Type C	~282	Commercial
BYD Dreamer Type D	~255	Commercial
IC Bus Electric CE Series Type C	~315	Commercial
Micro Bird G5 Electric Type A	~175	Commercial
BMW iX3	~113	Personal/fleet
Cadillac ESCALADE IQ	~233	Personal/fleet
Cadillac Lyriq	~102	Personal/fleet
Chevrolet Equinox EV	~85	Personal/fleet
Chevrolet Silverado EV	~205	Personal/fleet
Ford F-150 Lightning	~131	Personal/fleet
GMC Sierra EV	~205	Personal/fleet
Kia EV9	~99	Personal/fleet
Lucid Air	~118	Personal/fleet
Nissan Leaf	~77	Personal/fleet
Nissan Ariya	~87	Personal/fleet
Mitsubishi Outlander PHEV	~20	Personal/fleet
Toyota Highlander EV (2027)	~96	Personal/fleet
Tesla Cybertruck	~123	Personal/fleet

EVSE (Platform and brand listings consolidated)	Max export (kW)	Segment (20 kW/port proxy)	UL 1741	UL 9741	UL 2202 / UL 2594	ISO 15118-20
InCharge Energy ICE-22 V2X	22	Commercial	SB	Yes	2202	Yes

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InCharge Energy ICE-44 V2X	44	Commercial	SB	Yes	2202	Yes
InCharge Energy ICE-66 V2X	66	Commercial	SB	Yes	2202	Yes
InCharge Energy ICE-132 V2X (dual-port)	132	Commercial	SB	Yes	2202	Yes
TP 20 kW (Tellus Power; also Nuvve, ChargeTronix)	20	Commercial	SA, SB	—	2202, 2594	Yes
TP 30 kW (Tellus Power; also ChargeTronix)	30	Commercial	SA, SB	—	2202, 2594	Yes
TP 40 kW (Tellus Power; also Nuvve, ChargeTronix)	40	Commercial	SA, SB	—	2202, 2594	Yes
TP 60 kW (Tellus Power; also Nuvve, ChargeTronix)	60	Commercial	SA, SB	—	2202, 2594	Yes
RES-DCVC 60 kW cabinet (BorgWarner; also Nuvve RES-HD, PositivEnergy US)	60	Commercial	SA only	—	2202	—
RES-DCVC 125 kW cabinet (BorgWarner; also Nuvve RES-HD, PositivEnergy US)	125	Commercial	SA only	—	2202	—
Fermata Energy FE-20	20	Commercial	SA only	Yes	—	—
Power Electronics NBI ≈40–44 kW	40–44	Commercial	None listed	—	2202	—
Power Electronics NBI ≈65–66 kW	65–66	Commercial	None listed	—	2202	—
Power Electronics NBI ≈85–88 kW	85–88	Commercial	None listed	—	2202	—
Power Electronics NBI 110 kW	110	Commercial	None listed	—	2202	—
Power Electronics NBI ≈132–135 kW	132–135	Commercial	None listed	—	2202	—

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Heliox 44 kW Bidirectional	44	Commercial	Not on V2GEL	—	2202	Support (EPRI)
dcbel Ara	15.2	Residential	SA, SB	Yes	—	Yes
Wallbox Quasar 2	12.5	Residential	SB	Yes	—	Yes
Fermata Energy FE-15	15	Residential	Pre-supplement (2020)	Yes	—	—
Ford Charge Station Pro (w/ Home Integration System)	19.2	Residential	Not on V2GEL	—	2594	—
GM Energy PowerShift (w/ V2H enablement)	19.2	Residential	Not on V2GEL	—	2594	—

Note: dashes indicate that there were no indications that a resource met the relevant standard. In most cases, this suggests that the resource has not been tested to this certification; in some cases, it may mean that clear evidence of certification could not be located.