CAE-037

The United Illuminating Company **Witness: Logan Taricani**
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Docket No. 26-08-05 **Page 1 of 1**

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CAE-037 Q:

Estimate the number of EVs that have been approved by the EDCs for export to date, broken out by residential and commercial customer classes.

CAE-037 A:

Electric vehicles ("EVs") connected to the distribution system are currently evaluated by The United Illuminating Company ("UI") as load-serving devices, not as approved export resources. In addition, EVs themselves are not approved for bidirectional dispatch, UI reviews and approves the electric vehicle supply equipment ("EVSE"), which is the point of interconnection, and enables the charging and discharging of connected EVs. UI currently has zero EVs connected to the distribution system across the residential and commercial customer classes that are approved for bidirectional dispatch.

While UI has participated in a pilot involving bidirectional charging technology, that experience does not alter the Company's current count of approved export-capable EVs. Specifically, under the GridEdge Networks EV School Bus V2G Pilot implemented through the Connecticut Innovative Energy Solutions Program, UI's interconnection team granted bidirectional dispatch approval for a single 60kW bidirectional electric vehicle supply equipment ("EVSE") installation using a customized interconnection review process. However, due to a conflict with the applicable tariff provisions, the facility never operated in a vehicle-to-grid configuration and did not export power to the distribution system. Instead, the project was subsequently modified to operate as a vehicle-to-load ("V2L") installation serving only on-site load. As a result, the pilot did not produce an approved EV resource exporting energy to the grid and is not included in the number of EVs approved for export operation.

In summary, UI currently has no EVs approved for export operation in either the residential or commercial customer classes. Although bidirectional EV technologies continue to evolve and proposed interconnection requirements have been developed to support their future deployment, export operation will remain subject to technical review, interconnection approval, and compliance with all applicable safety and operational requirements.