Date Filed: September 28, 2026

Witness: Jared A. Lawrence
Request from: Office of Consumer Counsel

Question:

Refer to Exhibit CLP-AMI-2 at 49 "The Company also plans to run a high impedance detection for distribution intelligence pilot, which will leverage grid-edge data from AMI to identify potential high impedance fault conditions or abnormal system behavior".

a. Please describe what other distributed intelligence capabilities the Company intends to pilot and leverage for planning and operations.

Response:

Eversource has identified several distributed intelligence capabilities for evaluation which includes load disaggregation, and transformer monitoring. Eversource is currently conducting pilot programs within the Massachusetts program deployment.

Load disaggregation provides EV awareness, which monitors consumption, and solar awareness, which monitors generation, in the form of pilot programs. These programs will enable the capability to identify behind the meter EV or solar, and can subsequently provide session data such as power generation, power consumption, peak power, and total power.

Transformer monitoring enables real time voltage and load characteristics of distribution transformers. This is calculated instantly by the meters and electrically connected to the same transformer.

These applications provide Eversource with granular data that can better understand how behind the meter solar and EV devices affect grid performance. Pending PURA approval, the technology that is currently available in Massachusetts would be available to benefit Connecticut customers.