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October 26, 2021

Ontario Energy Board
2300 Yonge Street
Suite 2700
Toronto, Ontario M4P 1E4

Attention: Christine Long, Board Registrar

Dear Ms. Long:

**Re: Ontario Sustainable Energy Association's Interrogatories
Hydro One Networks Inc.'s Custom IR Application (2023-2027)
Board File No. EB-2021-0110**

Please see attached OSEA's interrogatories in the above-noted matter pursuant to Procedural Order No. 1, dated September 17, 2021.

Yours truly,



Raeya Jackiw

cc: Dan Goldberger, OSEA
Travis Lusney, Power Advisory LLC

Document #: 2037682

ONTARIO ENERGY BOARD

IN THE MATTER OF the *Ontario Energy Board Act*, 1998,
S.O. 1998, c. 15, Sch. B, as amended;

AND IN THE MATTER OF the Ontario Energy Board's
Proceeding on Hydro One Networks Inc.'s Application for
Electricity Transmission and Distribution Rates and Other
Charges for the Period from January 1, 2023 to
December 31, 2027

INTERROGATORIES OF ONTARIO SUSTAINABLE ENERGY ASSOCIATION ("OSEA")

October 26, 2021

OSEA IR 1

Reference: Exhibit B-3-1, Section 3.0

Preamble: The IESO's 2021-2024 CDM Plan includes spending for the Local Initiatives Program (LIP) for CDM savings in targeted areas of the province.

Questions:

- a) Please confirm if any of Hydro One's service territory is located within an LIP?
If so, please provide a summary of the service territory areas located in an LIP,
and describe how Hydro One has coordinated planning for CDM activities with
the IESO in each service territory area.

OSEA IR 2

Reference: Exhibit B-1-1, Section 1.2

Preamble: Hydro One has provided a summary of transmission needs and associated investments. OSEA is interested in understanding more about the investments in CDM in each planning region.

Questions:

- a) Please provide a summary of CDM activities (i.e., GWh/year and MW peak demand) undertaken in each planning region discussed in Section 1.2.2.2 of Exhibit B-1-1.

OSEA IR 3

Reference: Exhibit D-4-1

Preamble: Hydro One's transmission and distribution load forecasts include the impact of CDM activities. OSEA is interested in understanding Hydro One's assumptions about CDM.

Questions:

- a) For Table 2 (Exhibit D-4-1, pg. 5), Load Impact of CDM on Ontario Demand (MW), please provide the CDM impact on peak demand for winter peaks.

OSEA IR 4

Reference: Exhibit D-5-1

Preamble: Sub-Transmission customers (i.e., large commercial and industrial customers) have increased their investment in behind-the-meter resources to reduce Global Adjustment charges. OSEA is interested in understanding Hydro One's estimate of the impact of behind-the-meter resource CDM activities on peak demand of large customers.

Questions:

- a) Does embedded generation include all behind-the-meter resources at customer sites?
- b) Please provide Hydro One's estimate of behind-the-meter resource installed capacity broken into the following categories
 - i. by Technology (e.g., Cogeneration / Energy Storage / Gas-Fired Generation)
 - ii. by Geographic location, i.e., by the 21 planning regions (see list in Exhibit B-3-1, Section 3.4, Appendix B), and
 - iii. by Year from 2020 to 2027.
- c) Please provide the estimated total impact of CDM activities from behind-the-meter resources on Hydro One's summer and winter peak demand for Hydro One's distribution system.
- d) Does Hydro One have any reliability contracts to use customer behind-the-meter resources to meet distribution system needs? If so, please provide a summary of how Hydro One uses behind-the-meter resources to reduce distribution system constraints

OSEA IR 5

Reference: Exhibit B-3-1, Section 3.4

Preamble: Hydro One has a significant amount of connected Distributed Energy Resource (DER) capacity within its service territory. OSEA is interested in understanding the difference between directly connected DERs and behind-the-meter resources that can pursue CDM activities.

Questions:

- a) Figure 1 (Section 3.4.1) of Exhibit B-3-1, shows total connected capacity of DER by type. Are all of the DERs shown in this Figure directly connected DERs (i.e., Front-of-the-Meter)? If not, please provide an estimate of behind-the-meter resources by the same technology breakdown).

OSEA IR 6

Reference: Exhibit B-3-1, Section 2.0 and Section 3.0

Preamble: Hydro One distribution system planning and transmission system planning can consider non-wires solutions, including CDM activities, to meet power system needs. OSEA is interested in areas and examples where Hydro One deployed non-wires solutions.

Questions:

- a) Within Hydro One's Distribution System Plans, how much targeted CDM activities is Hydro One planning? Please explain in detail examples where targeted CDM activities were a cost-effective and viable solution to distribution system needs. For example, please comment on the amount of CDM activities that are included in D-SS-01 (System Upgrades Driven by Load Growth).
- b) Please provide a summary of assumptions for non-wires solutions (e.g., energy storage, energy efficiency, demand response) considered by Hydro One in its distribution system plans and transmission system plans. In the summary, please provide estimated installed costs, and O&M used in the analysis for non-wires solutions compared to traditional wires investments.
- c) Please provide a list and description of all non-wires solutions and/or CDM activities within Hydro One's distribution system plans.