

# Feedback Form

---

## Transmission-Distribution Coordination Working Group (TDWG) – September 13, 2022

### Feedback Provided by:

Name: Hani Taki

Title: Director, Investment Planning

Organization: Toronto Hydro-Electric System Limited

Email: [REDACTED]

Date: October 4, 2022

## Specific Questions for Comment/Feedback

Topic	Feedback
<p>Are there circumstances where the distribution system is reconfigured and DER can continue to operate? Does the treatment depend on size of the DER, whether transfer trip is being used, loading on the feeder, etc.?</p>	<p>In cases where the distribution system is reconfigured, i.e. feeders fed from a different station, most small DERs can continue to operate.</p> <p>For some mid-size or large size DERs, in order to continue to operate, transfer trip may be required on the reconfigured feeder. However, in the extreme case, the DER connection should be ceased, e.g. when the reconfigured feeder is switched to a TS bus without DER capacity.</p>
<p>Are there circumstances today when the T-D interface or transmission station that a DER is connected to changes due to reconfiguration of the distribution system?</p>	<p>Yes, there are circumstances when the T-D interface or TS that a DER is connected to changes due to inter-station ties on the distribution system. For instance, loads and DERs can be transferred between stations through such ties, thereby changing the transmission station that the DER is connected to. In these instances, the DER may or may not be able to continue to operate, depending on the connection agreement in place. The circumstance could be a planned or unplanned outage.</p>
<p>What operational data about loading, reconfigurations, constraints, DER operations, etc. is being shared between host and embedded distributors today? What method and frequency is used for any data exchanges?</p>	<p>Operational data about loading, reconfigurations, constraints, DER operations, etc. is not shared with customers, however, this information can be requested on an as-needed basis by the customer.</p>
<p>In managing a non-wires alternatives project, when do distributors expect to identify that there is a need to operate DER? How good is distributors' "visibility" into the need in the day-ahead and 3-4 hours prior to real time?</p>	<p>Toronto Hydro currently has the ability to undertake day-ahead load forecasting activities. At this time, it does not have granular visibility 3-4 hours prior to real-time.</p>

Topic	Feedback
<p>Based on the Joint Utilities of New York DSP Coordination &amp; Communication Manual, are there any notes or considerations that the IESO should bear in mind in drafting conceptual T-D coordination protocols for Ontario?</p>	<p>Toronto Hydro observes it could be more efficient if the aggregator and distribution utility were to coordinate (e.g. system constraints) prior to the aggregator submitting a bid to the ISO. This would avoid unnecessary back-and-forth that takes place in the final stage of the day-ahead process.</p>

## General Comments/Feedback