

# Station Service Obligations

Technical Panel

November 22, 2017

---

# Agenda

- Background
  - What is Station Service – Definitions
  - Context of Chapter 9 Section 2.1A
- Current Market Rule
- Need for Proposed Amendment
  - Registered Market Participant vs Market Participant
- Existing Process & Facilities
- Next Steps

# Background – Station Service Definitions

- Transformer Stations, Switching Stations, Generating Stations, and other types of power stations require energy to support a number of auxiliary and secondary systems (e.g. protection and control systems, coolant systems, etc.) to ensure the normal and safe operation of the station. This energy is referred to as “station service”.
- The Market Rules define *station service* and other relevant terms as:
  - *station service* means energy withdrawn from the IESO-controlled grid to power the on-site maintenance and operation of transmission facilities, generation facilities and connection facilities located within the IESO control area but excludes energy consumed in association with activities which could be ceased or moved to other locations without impeding the normal and safe operation of the facility in question;
  - *connection station service* is station service associated with transformers, capacitors, switchgear, protection systems and control systems that connect generation facilities, load facilities or distribution facilities to the IESO-controlled grid;
  - *transmission station service* means station service associated with transformers, capacitors, switchgear, protection systems and control systems that are part of a transmission facility and that do not connect generation facilities, load facilities or distribution facilities to the IESO-controlled grid;

# Background – Chapter 9 Section 2.1A

- Describes obligations and the responsible person with respect to *station service*, including:
  - Identifying and estimating energy that is *station service*
  - Settlement treatment for *station service*
  - Allocation of *connection station service* to market participants

# Current Market Rule

## Chapter 9

### 2.1A Station Service

2.1A.1 The **registered market participant** for a facility consuming *transmission station service* or *connection station service* shall:

2.1A.1.1 identify to the IESO the fraction of the *energy* withdrawn at that *facility* supplied from the *IESO-controlled grid* which is not such *station service*; and

2.1A.1.2 ensure that the consumption of the *energy* referred to in section 2.1A.1.1 is measured by an *RWM* that complies with the requirements of Chapter 6.

2.1A.3 Where *connection station service* is not separately metered by an *RWM*, the *energy* consumption associated with *connection station service* shall be estimated by the *metered market participant* designated by the **registered market participant** for the relevant *connection facility* or, in the absence of such a *metered market participant*, by **registered market participant**, in accordance with the equations and procedures described in the applicable *market manuals*, which estimate shall be stamped by a registered professional engineer and shall be subject to audit by the IESO.

# Need for Market Rule Amendment

## Registered Market Participant vs Market Participant

- Recently, the IESO discovered that the market rules placed a number of obligations related to station service incorrectly on the *registered market participants*
  - *registered market participant* means a *market participant* that submits *dispatch data* with respect to a *registered facility*
- These obligations should be on the ***market participant that is the owner of the facility*** not the *registered market participant* (which submits dispatch data)
- In circumstances where the *registered market participant* is not also the *market participant*, the obligation is not on the owner of the *facility* – e.g. all transmitters who are subject to this obligation do not meet the market rule definition of *registered market participant* since they do not submit dispatch data

# Existing Process & Facilities

- Intended obligations are being appropriately assumed in existing processes
- Currently the market participant has been assuming the obligations identified in section 2.1A.1 & 2.1A.3 of Chapter 9, to identify and, if applicable, estimate station service data.
- There are currently 101 facilities consuming *connection station service* that are being estimated
  - Of the above, there are 11 *market participants* that are the owners of such facilities, to which the amended rule would be enforceable
  - The 11 market participants have been notified of the proposed amendment

# Proposed Next Steps

Dec 12, 2017  
RMSC Meeting

- Revenue Metering Standing Committee

Jan 23, 2018  
TP Meeting

- Request TP vote to post amendment proposal for stakeholder comment

March 6, 2018  
TP Meeting

- Request TP vote to recommend amendment proposal to IESO Board for consideration

- Target April 11, 2018 for IESO Board consideration