

## **INTRA-HOUR SCHEDULING – TRANSMISSION & ENERGY**

### *In this Section:*

#### [Overview](#)

#### [Intra-Hour Transmission Service Requests \(TSRs\)](#)

#### [Intra-Hour Energy Schedules](#)

## **1.0 OVERVIEW**

This Business Practice describes the process to submit intra-hour Transmission Service Requests and eTags.

## **2.0 INTRA-HOUR TRANSMISSION SERVICE REQUESTS (TSRs)**

### **2.1 Definition**

An intra-hour TSR is an Hourly Firm and Non-Firm transmission reservation that is submitted during a scheduling hour for that hour. The duration is limited to at least 1 hour with a Start time of XX:00 and a Stop Time of XX:00 (top of the next hour). However, Hourly Firm and Non-Firm transmission service that is reserved prior to the scheduling hour may be used for intra-hour scheduling e.g. transmission service may be purchased between XX:40 and XX:55 for the next scheduling interval at XX:15 to XX:30.

### **2.2 Business Rules**

1. New requests for intra-hour Hourly Firm and Non-Firm PTP transmission service may be submitted in the hour. The use of unscheduled or unallocated capacity on Firm or Non-Firm PTP transmission reservations is permitted for intra-hour schedules.
2. Consistent with current rules, a customer cannot purchase Non-Firm PTP transmission capacity that is a result of its own unscheduled capacity of Firm PTP transmission reservations.
3. Intra-hour TSRs will be subject to the same curtailment priority in accordance with the Curtailment of Transmission and Energy Business Practice. However, curtailment will occur to impacted scheduling intervals only when an infringement upon the Scheduling Limit occurs.
4. The intra-hour TSR will always be 1 hour in duration and it will start at XX:00.
5. Ancillary Services will be applied according to OATT Rate Schedules.
6. BC Hydro will apply reasonable efforts to act on and confirm a valid intra-hour TSR.
7. BC Hydro reserves the right to suspend intra-hour transactions without prior notice if reliability is impacted.

### 2.3 Intra-Hour TSR Characteristics

1. Service types for intra-hour TSRs submitted within the hour are Hourly Firm and Non-Firm PTP Fixed or as defined in OASIS.
2. Service increment is Hourly.
3. Request Type must be Original for new intra-hour TSRs or Redirect.
4. TSR duration must be 1 hour.
5. Start Time is XX:00 of the current hour.
6. Stop Time is XX:00 (top of the next hour).
7. Request must be Pre-confirmed.
8. Bid Price must be equal to, or greater than, the offer price posted on OASIS for Hourly Firm and Non-Firm PTP Fixed transmission service on the path requested.

## 3.0 INTRA-HOUR ENERGY SCHEDULES

### 3.1 Definition

An intra-hour Request for Interchange (RFI) is an eTag that arranges a new transaction or changes an existing transaction for the current or future operating hour, and has its Start and Stop Time set on 15 minute intervals. The submission of eTags for intra-hour schedules may occur in either the pre-schedule or real-time horizons for future or current hours. The eTag shall be submitted in accordance with Submitting Energy Schedules and Processing of Energy Schedules Business Practices, as appropriate.

### 3.2 Business Rules

1. Scheduling intervals are defined as XX:00 – XX:15, XX:15 – XX:30, XX:30 – XX:45, and XX:45 – XX:00.
2. The RFI shall be submitted no later than 20 minutes prior to the start of the first impacted 15 minute scheduling interval.
3. Energy can be scheduled on existing Hourly Firm or Non-Firm transmission reservations that have unscheduled or unallocated capacity, or on Hourly Firm or Non-Firm TSRs that are purchased within the hour.
4. Adjustments to eTags will be permitted for intra-hour scheduling intervals.
5. Intra-hour eTags will be subject to the same curtailment priority as outlined in the Curtailment of Transmission and Energy Business Practice. However, curtailment will occur to impacted scheduling intervals only when an infringement upon the Scheduling Limit occurs.
6. Duration of an intra-hour schedule will be at least 15 minutes, which can start either at XX:00, XX:15, XX:30, or XX:45.

7. Losses, pursuant to Rate Schedules 09/10, will be applied on the integrated hourly MW value scheduled.
8. BC Hydro will apply reasonable efforts to act on and implement a valid intra-hour eTag; however, such intra-hour eTag is subject to approval by all counterparties that are included on the eTag.
9. BC Hydro reserves the right to suspend intra-hour transactions without prior notice if reliability is impacted.

### **3.3 eTag Characteristics**

1. Transaction Type must be “Normal”.
2. Transaction duration must be at least 15 minutes.
3. Start Time must be either XX:00, XX:15, XX:30, or XX:45.
4. End Time must be XX:15, XX:30, XX:45, or XX:00 (top of the next hour).
5. Straddle ramps will be either the default straddle ramp time of 20 minutes over the top of the hour for schedules starting at XX:00, or a 10 minute default straddle ramp time within the hour.
6. Appropriate Contingency Reserve Obligations is required in accordance with the Submitting Energy Schedules Business Practice.
7. eTags will be shown in accordance with the NAESB Timing Requirements for WECC.

**Document Change History**

| <b>Issue</b> | <b>Reason for Issue</b>   | <b>Date</b>       |
|--------------|---|-------------------|
| 3            | Implementation of new curtailment methodology for intra-hour schedules. | October 25, 2016  |
| 2            | Implementation of 15-minute Requests for Interchange                    | November 12, 2013 |
| 1            | Implementation of Intra-Hour Requests for Interchange                   | June 28, 2011     |

[Back to Top of Section](#)