

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

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## **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 Non-Firm and Network Economy Type 2 Point-to-Point (PTP) transmission reservation that is submitted during a scheduling hour for that hour. The duration is limited to 1 hour with a Start time of XX:00 and a Stop Time of XX:00 (top of the next hour).

### **2.2 Business Rules**

1. New requests for intra-hour Hourly Non-Firm PTP transmission service and Network Economy Type 2 must be submitted in the hour. The use of unscheduled or unallocated capacity on Firm, Network Economy Type 2, or Non-Firm PTP transmission reservations is permitted for intra-hour schedules.
2. Redirect of an existing Firm transmission reservation to a Non-Firm basis is permitted intra-hour.
3. Consistent with current rules, a customer cannot purchase Non-Firm PTP transmission capacity that is a result of their own unscheduled capacity of Firm PTP transmission reservations.
4. An intra-hour TSR will not interrupt any CONFIRMED transaction(s).
5. Intra-hour TSRs will be subject to the same curtailment priority in accordance with the Curtailment of Transmission and Energy Business Practice.
6. The intra-hour TSR will always be 1 hour in duration and it will start at XX:00.
7. Ancillary Services will be applied according to OATT Rate Schedules.
8. BC Hydro will apply reasonable efforts to act on and confirm a valid intra-hour TSR.
9. 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 Non-Firm PTP Fixed, or Hourly Secondary Network Fixed (Type 2), 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 Non-Firm PTP Fixed and Hourly Secondary Network Fixed (Type 2) on the path requested.

## **3.0 INTRA-HOUR ENERGY SCHEDULES**

### **3.1 Definition**

An intra-hour energy schedule (eTag) shall be submitted in accordance with Submitting Energy Schedules and Processing of Energy Schedules Business Practices and shall:

1. Have a duration of 30 minutes with a Start Time of XX:00 and a Stop Time of XX:30 if submitted before next hour within regular scheduling timelines, or
2. Be submitted within the hour, between XX:00 and XX:15 with a duration of 30 minutes with a Start Time of XX:30 of the current hour and a Stop Time of XX:00 of the next hour.

### **3.2 Business Rules**

1. Energy must be scheduled on existing Hourly Firm, Network Economy (Type 2), or Non-Firm transmission reservations that have unscheduled or unallocated capacity, or on Hourly Non-Firm or Network Economy Type 2 TSRs that are purchased within the hour.
2. The Stacked Approach to designating transmission is not permitted in accordance with the Submitting Energy Schedules Business Practice.
3. An intra-hour schedule will not interrupt any Implemented schedule.
4. Intra-hour eTags will be subject to the same curtailment priority as outlined in the Curtailment of Transmission and Energy Business Practice.
5. Duration of an intra-hour schedule will be 30 minutes, which can start either at XX:00 or XX:30.

6. Firm transmission holders will be permitted to schedule energy on their unscheduled or unallocated Firm capacity from XX:00-XX:05 for XX:30. Any other transmission service types cannot schedule energy during this time period. All other transmission services types, including Firm, can schedule energy from XX:05-XX:15 for XX:30.
7. Intra-hour schedules submitted within the hour outside of XX:00 to XX:15 will be denied.
8. Losses, pursuant to Rate Schedules 09/10, will be applied on the integrated hourly MW value scheduled.
9. 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.
10. BC Hydro reserves the right to suspend intra-hour transactions without prior notice if reliability is impacted.

### **3.3 eTag Characteristics**

1. Intra-hour eTags must be submitted as new eTags. Modifications to intra-hour energy schedules are not permitted. Modifications are limited for reliability purposes.
2. Transaction Type must be “Normal”.
3. Transaction duration must be 30 minutes.
4. Start Time must be either XX:00 or XX:30.
5. End Time must be XX:30 or XX:00 (top of the next hour).
6. Straddle ramps will be either the default ramp times over the top of the hour for schedules starting at XX:00, or XX:25 to XX:35 for schedules starting at XX:30.
7. Appropriate Contingency Reserve Obligations is required in accordance with the Submitting Energy Schedules Business Practice.
8. eTags will be shown as Late if they are submitted in the current hour for an intra-hour schedule.

**Document Change History**

<b>Issue</b>	<b>Reason for Issue</b>	<b>Date</b>
1	Implementation of Intra-Hour Requests for Interchange	June 28, 2011

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