

INTRA-HOUR SCHEDULING – TRANSMISSION & ENERGY

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1.0 OVERVIEW

~~BC Hydro's Open Access Transmission Tariff (bchydro.com) Open Access Transmission Tariff (OATT) requires that all Transmission Service Requests (TSR) be made on BC Hydro's OASIS (Open Access Same-Time Information System). For information on how to submit a TSR or energy schedule (e-Tag) refer to BC Hydro's OATT Business Practices on *Submitting a Short-Term Transmission Request*, and on *Submitting Energy Schedules*, respectively.~~

~~These Business Practices provide clarification of the rules, standards and practices used by BC Hydro to implement its OATT. While the terms of BC Hydro's OATT and these Business Practices govern, the Transmission eCustomers should also refer to the NAESB WEQ Business Standards and WECC Regional Criteria, which BC Hydro has followed in most, but not all, respects. BC Hydro also complies with the Mandatory Reliability Standards adopted by the BCUC. 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/or 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 (top of the current hour) and a Stop Time of XX:00 (top of the next hour). However, Hourly Firm and/or 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.~~

~~The TSR shall be submitted in accordance with *Submitting a Short-Term Transmission Service Request* and *Processing of Short-Term Transmission Service Requests Business Practices*, as appropriate.~~

2.2 Business Rules

1. New ~~requests-TSRs~~ for intra-hour Hourly Firm and/or Non-Firm PTP ~~Transmission service~~ may be submitted in the hour. The use of unscheduled or unallocated capacity ~~from~~ Firm and/or Non-Firm PTP transmission reservations is permitted for intra-hour schedules.

2. Consistent with current rules, a Transmission eCustomer 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 ~~is types for intra-hour TSRs submitted within the hour are~~ Hourly Firm and /or Non-Firm PTP Fixed or as defined in OASIS.
- ~~2. Service increment is Hourly.~~
- ~~3.2.~~ Request Type must be Original for new intra-hour TSRs or Redirect.
- ~~4.3.~~ TSR duration must be at least 1 hour.
- ~~5.4.~~ Start Time is XX:00 of the current hour.
- ~~6.5.~~ Stop Time is XX:00 (top of the next hour).
- ~~7.6.~~ Request must be Pre-confirmed.
- ~~8.7.~~ Bid Price must not exceed the Tariff price, but be equal to, or greater than ~~(but not exceed Tariff price)~~, the offer price posted on OASIS for Hourly Firm and /or Non-Firm PTP Fixed ~~t~~Transmission sService on the path requested.

3.0 INTRA-HOUR ENERGY SCHEDULES

3.1 Definition

An intra-hour Request for Interchange (RFI) is an e-Tag 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 ~~to any amount of minute~~ intervals within that particular hour. The submission of e-Tags for intra-hour schedules may occur in either the pre-schedule or real-time horizons for future or current hours. -The e-Tag shall be submitted in accordance with *Submitting Energy Schedules* and *Processing of Energy Schedules* Business Practices, as appropriate.

3.2 Business Rules

1. [The submission of e-Tags for intra-hour schedules may occur in either the pre-schedule or real-time horizons for future or current hours.](#)
- ~~1.2.~~ Scheduling intervals are defined [for that particular intra-hour](#) as XX:00 – XX:15, XX:15 – XX:30, XX:30 – XX:45, and XX:45 – XX:00.
- ~~2.3.~~ The [e-Tags RFI](#) shall be submitted no later than 20 minutes prior to the start of the first ~~impacted~~ 15 minute scheduling interval.
- ~~3.4.~~ Energy can be scheduled on existing Hourly Firm [and/or](#) Non-Firm transmission reservations that have unscheduled or unallocated capacity, or on Hourly Firm [and/or](#) Non-Firm TSRs that are purchased within the hour.
- ~~4.5.~~ [Adjustments-Modifications](#) to e-Tags will be permitted for intra-hour scheduling intervals.
- ~~5.6.~~ Intra-hour e-Tags 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 [and](#) 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 e-Tag; however, such intra-hour e-Tag is subject to approval by all counterparties that are included on the e-Tag.
9. BC Hydro reserves the right to suspend intra-hour transactions without prior notice if reliability is impacted.

3.3 e-Tag 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 ([the](#) top of the next hour).
- ~~4.~~
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. ~~eE~~-Tags will be shown in accordance with the NAESB Timing Requirements for WECC.

Document Change History

Issue	Reason for Issue	Date
<u>4</u>	<u>Updated language.</u>	<u>September XX, 2022</u>
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

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