



Intra-Hour Scheduling, Version 5

Effective: 05/10/12

On September 27, 2011 BPA implemented Intra-Hour Scheduling Pilot Program (Phase III). Due to the success of the pilot, it is being established as a formal Business Practice. This Business Practice describes the process and guidelines for scheduling transmission services on an intra-hour basis.

Version 5 includes the following updates:

- Title change to remove Pilot Program status
- Eligibility and Applicability Criteria changed to remove Pilot Program status in A.1

A. Eligibility and Applicability Criteria

1. Except as otherwise provided in this section, Customers may submit new or adjusted Intra-Hour Firm or Non-Firm Schedule Requests from any generating resource to any load.
2. Nothing in this business practice is intended to convey rights to submit Intra-Hour Schedule Requests if a **Customer**¹ does not otherwise have such rights by contract.
3. **Slice**²/Block Power Sales Agreements with BPA are not eligible for intra-hour scheduling.

B. Procedures for Submitting Intra-Hour Schedules

1. Customers must reserve transmission service prior to submitting an Intra-Hour **Schedule Request**³. See BPA's Requesting Transmission Service business practice for reserving transmission service timelines.
2. Intra-Hour e-Tag Schedule Requests must be submitted between XX:00 and XX:15 of the operating hour.

¹Any customer taking service under Use of Facilities (UFT), Formula Power Transmission (FPT), Integration of Resources (IR), Part II or Part III of the OATT.

²Slice Loss Return: The loss return type whereby calculated losses are deducted from a Power Services' Slice customer's share of federal generation at the bus 168 hours after service was provided.

³Changing the schedule for energy delivery between generation and load by means of an e-tag creation or market level adjustment.

3. Intra-Hour e-Tag Schedule Requests must have a duration of thirty minutes:
 - a. The e-Tag Schedule Request start time must be XX:30 of the operating hour.
 - b. The e-Tag Schedule Request stop time must be XX:00 of the next hour.
4. The Start Ramp duration indicated on the intra-hour e-Tag Schedule Request will be left blank or indicate ten minutes. All intra-hour e-Tag Schedule Requests will be ramped in for the ten minutes between XX:25 and XX:35 and ramped out for twenty minutes between XX:50 and XX:10.
5. BPA Transmission Services will deny Intra-Hour Schedule Requests at certain times and in response to certain system conditions or operational actions, including but not limited to the following:
 - a. When the net schedules on an Intertie or External Interconnection are expected to exceed the **System Operating Limit**¹ (SOL²).
 - b. When actual flows on a Network **Flowgate**³ have exceeded or are expected to exceed the Flowgate SOL.
 - c. During a Puget Sound Area Northern Intertie (PSANI) Operational Support Generation (OSG) procedure or a PSANI Curtailment,, Schedule Request will be denied if:

¹The value (such as MW, MVar, Amperes, Frequency or Volts) that satisfies the most limiting of the prescribed operating criteria for a specified system configuration to ensure operation within acceptable reliability criteria. System Operating Limits are based upon certain operating criteria. These include, but are not limited to: • Facility Ratings (Applicable pre- and post- Contingency equipment or facility ratings) • Transient Stability Ratings (Applicable pre- and post-Contingency Stability Limits) • Voltage Stability Ratings (Applicable pre- and post-Contingency Voltage Stability) • System Voltage Limits (Applicable pre- and post- Contingency Voltage Limits)

²System Operating Limit: The value (such as MW, MVar, Amperes, Frequency or Volts) that satisfies the most limiting of the prescribed operating criteria for a specified system configuration to ensure operation within acceptable reliability criteria. System Operating Limits are based upon certain operating criteria. These include, but are not limited to: • Facility Ratings (Applicable pre- and post- Contingency equipment or facility ratings) • Transient Stability Ratings (Applicable pre- and post-Contingency Stability Limits) • Voltage Stability Ratings (Applicable pre- and post- Contingency Voltage Stability) • System Voltage Limits (Applicable pre- and post- Contingency Voltage Limits)

³Flowgate (Cutplane): Transmission lines and facilities owned by BPA on a constrained portion of BPA's internal network transmission grid or transmission lines and facilities owned by BPA and one or more neighboring transmission providers that are interconnected and the separately owned facilities are operated in parallel in a coordinated manner, and each of the owners has an agreed upon allocated share of the transfer capability.

- i. The **POD**¹ is one of the points listed below and the Schedule Request is for an increase
- ii. The **POR**² is one of the points listed below and the Schedule Request is for a decrease
- iii. If the POR and POD are points listed below, the schedule will be allowed.
 - AlcoaIntalco
 - BC.US.Border
 - BPAT.PSEI
 - BPAT.SCL (Zone 2 and 3 only)
 - BeverlyPark
 - Snohomish

C. Additional Information

Related Business Practices

- Requesting Transmission Service
- Scheduling Transmission Service

Version History

Version 5	05/10/12 Version 5 includes the following updates: • Title change to remove Pilot Program status • Eligibility and Applicability Criteria changed to remove Pilot Program status in A.1
Version 4	09/27/11 Version 4 updates and expands the scope of the Intra-Hour Scheduling Pilot Program by allowing additional transmission services to be scheduled within the hour as well as allowing Schedule Requests that are adjustments to the existing hourly or intra-hourly schedules.
Version 3	Version 3 of this business practice includes the following changes:

¹Point of Delivery is a point on the The Transmission Provider's Transmission System where capacity and energy transmitted by the Provider will be made available to the Receiving Part; An OASIS field on a TSR that is the scheduling POD.

²Point of Receipt is an interconnection on the Transmission Provider's Transmission System where capacity and energy will be made available by the Delivering Party; An OASIS field on a TSR that is the scheduling POR.

	*Participation will no longer be limited to exporting wind from the BPA BAA but will include non-wind exports as well as imports, wheel-through schedules, and schedules internal to BPA's Balancing Authority Area.
Version 2	Version 2 of this business practice includes the following changes:* Announces the indefinite continuation of the Intra-Hour Scheduling Pilot (Phase I)* Added step 3.6 on accepting Intra-Hour Non-Firm Schedules* Added section 4 on Special Case Scheduling Limitations.
Version 1	New business practice