

Uncommitted Scheduling

Version ~~24~~

Effective: 10/01/201~~6~~5

This Business Practice describes Uncommitted Scheduling and the options that are available for wind generator election in accordance with the applicable BPA Ancillary and Control Area Services (ACS) rate schedule for the FY 16-17 rate period.

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A. Description of Uncommitted Scheduling

1. Uncommitted Scheduling is where BPA provides the participant with a 40/60 forecast to which they must schedule, unless the participant chooses to schedule using a different forecast and pay an opt-out fee to BPA. Wind generators that elect Uncommitted Scheduling are either (i) subject to Intentional Deviation penalties and exempt from Persistent Deviation penalties for Generation Imbalance; or (ii) subject to Persistent Deviation penalties for Generation Imbalance and exempt from Intentional Deviation Penalties.
2. The Uncommitted Scheduling elections are:
 - a. Uncommitted Scheduling with Intentional Deviation:
 - i. Participants choosing Uncommitted Scheduling with Intentional Deviation must schedule to the BPA-provided scheduling value (also called the Intentional Deviation Measurement Value in the ACS Rate Schedule) produced by the BPA Super Forecast Methodology
 - ii. Participants are subject to the Intentional Deviation Penalty Charge as described in the ACS Rate Schedule.
 - iii. Participants are exempt from the Persistent Deviation Penalty Charge as described in the ACS Rate Schedule.
 - b. Uncommitted Scheduling with the Opt Out Fee:
 - i. Participants choosing Uncommitted with the Opt Out Fee may schedule to a forecast of the customer's choice.
 - ii. Participants are subject to the Opt Out Fee as described in the ACS Rate Schedule to be exempt from the Intentional Deviation Penalty Charge.
 - iii. Participants are subject to the Persistent Deviation Penalty Charge as described in the ACS Rate Schedule.

B. Eligible Uncommitted Scheduling Participants & Resources

1. Any wind generator taking VERBS service from BPA that has not elected Committed Scheduling must comply with this Business Practice and use Uncommitted Scheduling.
2. Each phase of a wind facility being developed in phases may participate in Uncommitted Scheduling so long as each phase is metered and scheduled independently and is not otherwise interdependent with any other phase.
3. The wind generator must comply with BPA's Technical Requirements for Interconnection to the BPA Transmission Grid, specifically section 12.2.2, Data Requirements for Balancing Authority Area Services.
4. Once each fiscal year, an Uncommitted customer can: (1) opt out of the Intentional Deviation Penalty Charge, and (2) change its opt-out election. Customers that opt out of the Intentional Deviation Penalty Charge are subject to the Persistence Deviation charge and the Opt Out Fee.
 - a. With 90 days' notice before the start of the applicable billing month, an Uncommitted customer can elect to opt out of the Intentional Deviation Penalty Charge for an Opt Out Fee. The opt-out election will remain in place until the customer elects to change its opt-out election with 90 days' notice before the start of the applicable billing month

C. Eligibility Information Required

1. Uncommitted Participants that have not specifically opted for Uncommitted Scheduling with the Opt Out Fee, are subject to the Intentional Deviation Penalty Charge.
2. Potential Participants are required to:
 - a. Elect to take Variable Energy Resource Balancing Service from BPA in accordance with the Balancing Service Election for Dispatchable Energy Resource Balancing Service (DERBS) and Variable Energy Resource Balancing Service (VERBS) business practice.
 - b. Provide any other pertinent information requested by BPA Transmission Services.

D. Generation Imbalance

1. Uncommitted Scheduling Resources are subject to Generation Imbalance.
2. Generation Imbalance for Uncommitted Scheduling Resources is calculated on the shortest schedule interval submitted within the hour: each hour would be calculated on 15 minute, 30 minute, or 60 minute interval, but would not be calculated on a combination of time intervals. (See the Generation Imbalance Business Practice).

E. Compliance with Dispatch Orders

3. Uncommitted Scheduling participants are subject to Dispatch Order¹, including curtailments, generation limits and directives issued under the BA reliability tool.
4. An Uncommitted Scheduling participant that does not respond appropriately to a Dispatch Order² is subject to a Failure to Comply Penalty¹.

F. BPA-Provided Schedule Value (Intentional Deviation Measurement Value)

1. Through a mutually agreed-to data link (signal), BPA will provide to the Uncommitted-Scheduling-with-Intentional-Deviation participant the scheduling value for the participant to use in its hourly schedule. The mutually agreed-to data link will be the System of Record for the application of the Intentional Deviation Penalty Charge.
2. The BPA-provided scheduling value is the Intentional Deviation Measurement Value in the Ancillary and Control Area Service (ACS) Rate Schedules.
3. For the Uncommitted-Scheduling-with-Intentional-Deviation participant, the BPA-provided scheduling value will be updated every 5 minutes. The BPA-provided scheduling value is the forecast value produced by the Super Forecast Methodology.
 - a. The following table identifies the timeframes to utilize the BPA-provided scheduling value. The posting period is used to determine the applicable BPA-provided scheduling value when determining scheduling accuracy performance.

Period Start	xx:MM		
Scheduling Election	Calculated	Posted	Schedule Period
Uncommitted (M/G) from Super Forecast Methodology	xx:10 - xx:15	xx:15 - xx:20	x1:00-x2:00

- b. BPA will update the BPA-provided scheduling value within 1 minute after the start of the posting period for the applicable scheduling election. In the event BPA does not update the BPA-provided scheduling value within 2 minutes of the start after the close of the posting period, BPA will deem this a BPA system failure in accordance with Section G.4 of this business practice.

G. Uncommitted Resource Scheduling for Curtailments, ~~Data Link System~~ System of Record Failures, and Operational Controls for Balancing Reserves

1. During an Operational Controls for Balancing Reserves limit generation event or transmission schedule curtailment, or when Oversupply Management Protocol is in effect:
 - a. The Uncommitted-Scheduling-with-Intentional-Deviation participant's performance will be measured on the BPA-provided schedule value as defined in Section E, above.
 - b. The Uncommitted-Scheduling-with-the-Opt-Out-Fee participant is expected to schedule as accurately as possible to their forecasted generation output.
2. During an Operational Controls for Balancing Reserves schedule curtailment the Uncommitted Scheduling Resource does not need to limit its generation in response to the Operational Controls for Balancing Reserves schedule curtailment if there are no other transmission curtailments affecting e-Tags sourced at the Uncommitted Scheduling Resource.

3. During a transmission schedule curtailment, participants are expected to comply and limit generation to not exceed the sum of remaining approved e-Tags during the curtailment.
4. During a ~~n iCRS Generation Advisor or other data link System of Record~~ failure, the scheduling value that BPA provides to the Uncommitted-Scheduling-with-Intentional-Deviation participant may not be sent.
 - a. The Uncommitted-Scheduling-with-Intentional-Deviation participant should schedule the subsequent scheduling interval as accurately as possible by using ~~the BPA Customer Portal iCRS~~ to obtain the BPA-provided schedule value.
 - b. In recognition that inaccuracy could result from unavailability of the scheduling value, BPA will exclude the subsequent schedule interval from scheduling accuracy performance requirements.
 - c. The participant should notify their BPA Transmission AE as soon as possible.

H. Application of the Intentional Deviation Penalty Charge (ID)

1. Uncommitted-Scheduling-with-Intentional-Deviation participants are subject to the Intentional Deviation (ID) penalty charge as defined in BPA's ACS Rate Schedule.
 - a. An Uncommitted-Scheduling-with-Intentional-Deviation participant scheduling to the BPA-provided schedule value will satisfy the schedule accuracy performance requirement to avoid the Intentional Deviation Penalty Charge.
 - b. The ACS Rate Schedule provides the performance measures that determine when an Intentional Deviation penalty charge will be applied.
2. For schedule Intervals with no curtailments:
 - a. ID applies, in accordance with the ACS Rate Schedule, when the resource schedules to a value other the BPA-provided schedule value (Intentional Deviation Measurement Value), except

When the resource schedules to another value and the imbalance from a different schedule value meets or beats the imbalance that would have otherwise occurred had the resource scheduled to the BPA-provided schedule value, as defined in Section E.
3. For schedule periods with curtailments issued after the close of the scheduling window for each scheduling period ID will apply in accordance with Sections G.1 and G.2, above.
4. For scheduling periods with curtailments issued prior to the close of the scheduling window ID will be measured on the approved sum of schedules after the close of the scheduling window for that scheduling period as follows:
 - a. When the sum of schedules is equal to the BPA-provided schedule value then ID does not apply in accordance with G.1 and G.2.a, above.
 - b. When the sum of schedules is less than the BPA-provided schedule value then ID will apply in accordance with G.1 and G.2.b, above.
 - c. When the sum of schedules is greater than the BPA-provided schedule value then ID will apply in accordance with G.1 and G.2.b, above.
5. Uncommitted-Scheduling-with-the-Opt-Out-Fee participants are:
 - a. NOT subject to the Intentional Deviation Penalty Charge.

- b. Subject to the Persistent Deviation (PD) penalty charge for Generation Imbalance.
- c. ACS Rate Schedule and the Generation Imbalance business practice provide the performance measures that determine when a Persistent Deviation event occurs

I. Notification of Participation in Uncommitted Scheduling

- 1. When resources change their election in accordance with the rate schedule applicable at the time, such as at a mid-period election, their BPA Transmission AE will confirm the change with the resource.
- 2. BPA encourages Wind Generators to automate their scheduling at the time they elect Uncommitted Scheduling with Intentional Deviation. In planning the time necessary for testing, participants are encouraged to build in time for edits and revisions to systems and processes.
- 3. An Uncommitted-Scheduling-with-the-Opt-Out-Fee participants who desire to change their election so that the BPA-provided scheduling value is used must do so in accordance with the ACS Rate Schedule.
- 4. BPA encourages Uncommitted-Scheduling-with-Intentional-Deviation participants to automate their scheduling at the time they initiate participation.