



## Transmission Services

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### ***De Minimis* Impact Dead-Band for Network Flowgates, Version 15**

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Version 15 of the *De Minimis* Impact Dead-Band for Network Flowgates has been modified to include the new Section 4. This section provides for an additional criteria applied to Long-Term NT Transmission Service Requests (TSR) for designating Network Resources.

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## 1 Purpose

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This document describes Transmission Services' determination of *de minimis* and whether Transmission Service Requests can be granted due to *de minimis* impacts. This document also describes considerations of multiple POR/POD Transmission Requests and small generators with a Nameplate Rating of less than or equal to four megawatts.

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## 2 De Minimis Impact Dead-Band

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All requests for Transmission that use Network Flowgates will be evaluated to determine if such request has a *de minimis* impact on one or more of the Network Flowgates it impacts.

### 2.1 Tests to Determine *De Minimis* impacts

Two tests (see Table 1) will be applied to each Transmission Service Request (TSR). If the TSR passes either test, then the TSR will be deemed to have a *de minimis* impact on that Network Flowgate.

2.1.1 (Test 1) The positive net impact on the Flowgate is less than or equal to 10 MW and less than or equal to 10 percent of the requested demand. Analysis is based on four decimal places.

2.1.2 (Test 2) The positive net impact on the Flowgate is less than or equal to 10 MW and the original flowgate impact divided by the new flowgate impact is greater than or equal to 80 percent.

Table 1: <i>De Minimis</i> Impact Criteria	
A TSR must pass one of the following tests to be considered <i>de minimis</i> .	
Definitions	A = 0 MW or positive Flowgate MW impact of new request B = 0 MW or positive Flowgate MW impact of original reservation, if any. (A - B) = Net Flowgate MW impact $PUF_A$ = Flowgate PUF associated with POR/POD of new request
Test 1	$(A - B) \leq 10 \text{ MW}$ AND $PUF_A \leq 0.1000$
Test 2	$(A - B) \leq 10 \text{ MW}$ AND $(B \div A) \geq 0.8000$ , for non-zero A values

- 2.2 Managing the *De Minimis* Dead-Band
  - 2.2.1 Available Flowgate Capability (AFC) will not be decremented for a Confirmed TSR if the request has de minimis impact on the Flowgate. The de minimis impact will be added to a de minimis dead-band for that Flowgate.
  - 2.2.2 Transmission Services will track the status of the de minimis impact dead-band at each Network Flowgate and, at least once each year or when base case planning studies are updated, assess whether a de minimis impact dead-band limit is needed and report the results. The de minimis impacts will be incorporated in the power flows and associated AFC values computed in these annual updates.
- 2.3 Rounding Rule Calculations
  - 2.3.1 Except as provided in Section 2.3.2, below, if a TSR has a net impact to any Flowgate of between 0.001 MW and 0.9999 MW, Transmission Services will deem such Flowgate impact to be equal to 1 MW for AFC and de minimis calculations.
  - 2.3.2 Transmission Services may deem a Flowgate impact between 0.0001 MW and 0.5 MW equal to 0 MW for AFC and de minimis calculations if the Transmission Customer can demonstrate in writing all of the following:
    - 1) The TSR is related to Transmission of the output of a specific Generating Facility and that the MW demand of the TSR fully covers the Generating Facility Capacity, or  
The TSR is for the total amount of the Power Purchase Agreement. If the TSR does not fully cover the amount, BPA will require further explanation about why the customer isn't requesting the full amount; and
    - 2) There have been no other purchases from the same seller or the specific Generating Facility in the past 12 months.
- 2.4 Such deeming will only occur when a TSR cannot be granted due to insufficient AFC and/or insufficient *de minimis* impact dead-band due to Rounding Rule calculations described in Step 2.3.1 above. A Transmission Customer's demonstration, which is to be provided to their Transmission Account Executive and the designated Transmission Account Service Specialist, may include any of the following types of documentation that identifies the maximum output of the facility, including all future phases of development, associated with the TSR:
  - 2.4.1.1 LGIA or SGIA documentation
  - 2.4.1.2 State energy Facility siting documentation
  - 2.4.1.3 Documentation provided to local governmental entities with permitting or siting authority
  - 2.4.1.4 Balancing Area Service Agreement documents
  - 2.4.1.5 Other documentation Transmission Services determines is sufficient.

- 2.5 Transmission Services reserves the right to modify the *de minimis* impact dead-band methodologies at any time.

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### 3 Other Considerations When Requesting PTP Transmission Service

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- 3.1 Prohibition of Multiple POR/POD Transmission Requests
- 3.1.1 On July 12, 2004, Transmission Services implemented a moratorium on multiple POR/POD requests, requiring that requests for Long-Term Firm Point-to-Point Transmission Service must specify a single POR and a single POD.
- 3.2 Small Generator Nameplate Less Than or Equal to 4 MW
- 3.2.1 For Transmission Service from a new generator project at a single POR having single or multiple PODs for single or multiple Transmission Customers, that has a Generating Facility Capacity of less than or equal to 4 MW, the *de minimis* test will be suspended. Transmission Services will evaluate all such requests in queue order and grant them provided that the *de minimis* impact dead-band is available on the affected Network Flowgate.
- 3.2.2 Between AFC updates, the total for these small generator-based *de minimis* impacts on a Network Flowgate will not exceed 1 percent of the TFC of such Network Flowgate or 25 MW, whichever is less.

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### 4 Other Considerations When Requesting Long-Term NT Transmission Service

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- 4.1 Long-Term TSRs for Designated Network Resources (DNR)
- 4.1.1 For TSRs to designate Network Resources intended to serve network load up to the amount of the NT Customer's load that is forecasted or determined to be Above Rate Period High Water Mark Load in accordance with the Regional Dialogue power sales agreement, or network load growth for NT Customers that do not have a Regional Dialogue power sales agreement, a net positive Flowgate impact will be considered *de minimis* if it is less than or equal to 10 MW.
- 4.1.2 Section 4.1.1 will not be applied to TSRs submitted within the same 12 month period by the same Customer with the same POR and the same contract number as a TSR already submitted by that Customer.

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### 5 Related Business Practices

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- Transmission Services Business Practices are available on its website at [http://transmission.bpa.gov/ts\\_business\\_practices/](http://transmission.bpa.gov/ts_business_practices/).
- ATC Supporting Information and Related Information/Documents are available on Transmission Services' web page at [http://transmission.bpa.gov/business/atc\\_methodology/](http://transmission.bpa.gov/business/atc_methodology/)