

# Network Integration Transmission Service Request Data Exhibit

*Instructions for Completing the Data Exhibit follow the Data Exhibit Form*

Customer Name	<input type="text"/>
Point of Contact for Data Exhibit	<input type="text"/>
Point of Contact Email	<input type="text"/>

## A. CUSTOMER TSR INFORMATION

	AREF# (TSR)	Quantity (MW)		
Source	POR	Sink	POD	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## B. RESOURCE INFORMATION

1. Feasible BPA Point of Interconnection (POI; substation and voltage)	<input type="text"/>
2. Maximum Energy Deliverable at POI (MW at POI)	<input type="text"/>
3. Delivering Party (at POI)	<input type="text"/>
4. Up-stream Host Balancing Authority (BA at POI)	<input type="text"/>
5. Up-stream Host Transmission Provider (TP at POI)	<input type="text"/>

### a. Up-stream Transmission Rights Reference

<input type="text"/>
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6. Name of Generation Facility	<input type="text"/>
7. Type of Resource (thermal, wind, solar, etc.)	<input type="text"/>
8. Maximum Generating Capability (Nameplate MW)	<input type="text"/>
9. Generation Interconnection Reference (GI#)	<input type="text"/>
10. Location of new Generation Facility (County, Lat/Long)	<input type="text"/>



**11. Solar Capability Information**

a. What is the configuration of the panels? Select one.

<input type="checkbox"/> Fixed Orientation	<input type="checkbox"/> Tracking
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b. Facility Solar DC Nameplate Capacity (MW)

c. Facility Solar AC Capacity (MW)

**12. Storage Capability Information**

a. Facility Storage Instantaneous Power Capacity (MW)

b. Facility Storage Energy Capacity (MWh)

c. What is the configuration of the storage? Select One

<input type="checkbox"/> AC Coupled Stand Alone	<input type="checkbox"/> AC Coupled Co-located	<input type="checkbox"/> DC Coupled Co-located
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**C. LOAD INFORMATION**

13. Delivery Location (substation and voltage)

14. Transfer Point Delivery Location (if via transfer)

15. Down-stream Transmission Rights Reference (Contract, AREF#, etc.)

16. Line and Load Interconnection Request (LLIR#)

17. Receiving Party (at POD)

18. Generation being displaced



## Instruction for Completing the Network Integration Transmission Service Request Data Exhibit for Validation

A Customer must complete this Data Exhibit for each request for long-term firm Network Integration transmission service the Customer submits on OASIS. The information in this Data Exhibit is required as part of an application for service under Section 29.2 of BPA's Open Access Transmission Tariff (OATT). BPA's Requesting Transmission Service business practice provides additional information about completing and submitting the Data Exhibit. Customers may also be contacted by their AE to submit a data exhibit for forecasted resources that require further study.

1. The Customer may contact BPA with any questions about how to complete the Data Exhibit, or to discuss with BPA the information the customer intends to provide in advance of submitting the Data Exhibit. For questions, please contact your BPA Transmission Account Executive.
2. The completed Data Exhibit for a Transmission Service Request (TSR) that is queued on OASIS must be submitted to [TBLResDesk@bpa.gov](mailto:TBLResDesk@bpa.gov), with a copy to the Customer's Transmission Account Executive, by the applicable deadline specified in the Requesting Transmission Service business practice. The subject line of the email should identify the TSR AREF number and the Customer name (e.g., "TSR# XXXXXX – Customer Name"). Please note that any changes to Data Exhibits should be submitted per the instructions below.
3. The customer must submit a completed Data Exhibit for a forecasted resource to their Transmission Account Executive within 10 business days of being notified a Data Exhibit is required.
4. Failure to submit a completed Data Exhibit by the applicable deadline will result in the TSR being DECLINED on OASIS and receiving no further consideration for service. If BPA has questions regarding the information provided or requires further clarification to support a Study of the TSR, BPA will communicate with the customer by email to enable opportunity for clarification and/or provision of additional information to rectify identified deficiencies.
5. Prior to the start of a study, the customer will have 5 business days from the receipt of BPA's notice to rectify deficiencies. If the customer fails to rectify their deficiencies in the time period provided, the TSR will be DECLINED on OASIS and receive no further consideration for service.
6. BPA reserves the right to seek additional information, consistent with its OATT, not included in this Data Exhibit where it identifies a need for such information.

## Instructions for Changes to Previously Validated Network Integration Transmission Service Request Data Exhibit Information

1. After a Data Exhibit has been validated by BPA, the information in the Data Exhibit must remain valid throughout the period the TSR is being analyzed and studied, including through completion of the preliminary engineering and environmental study periods. If any information in the Data Exhibit changes during these periods, the Customer must notify BPA immediately. Note that substitution of an alternate TSR is not allowed.



2. Upon identification of a change, after Data Exhibit was initially validated by BPA, the following timelines apply.
  - a. Changes during a Study (Individual or Cluster) - The Customer will have five (5) Business Days to provide updated information to re-establish a valid Data Exhibit. This process applies following acceptance of initial validation of the Data Exhibit until the Customer receives the Study results.
  - b. Changes during the preliminary engineering or environmental study periods of a required plan of service - The Customer will have 30 Calendar Days to provide updated information to re-establish a valid Data Exhibit.
3. Changes to a validated Data Exhibit must be sent to [TXDataExhibits@bpa.gov](mailto:TXDataExhibits@bpa.gov)
4. BPA will determine whether a data exhibit with modified information remains valid.
  - a. The customer is responsible for working with BPA if any issues are identified with the modified information. If the information modifications cause the Data Exhibit to become invalid, BPA will utilize the process described in the Requesting Transmission Service Business Practice. Note that the Customer cannot change the information in section A of the Data Exhibit.
5. If, after the process described in the Requesting Transmission Service Business Practice, the Data Exhibit remains invalid, BPA will DECLINE the TSR on OASIS, and it will not be eligible for further consideration for service.
6. If the TSR is DECLINED, no refunds of any study or preliminary engineering funds will be made. If a Data Exhibit fails to maintain eligibility during the environmental study phase, any dollars spent or obligated by BPA at the time that the TSR is WITHDRAWN (or DELCLINED) will not be refunded.

## Data Exhibit Section Instructions

The headings and section numbers in the instructions below correspond to the headings and section numbers for the fields in the Data Exhibit.

### A. CUSTOMER TSR INFORMATION

- For TSRs, ensure the data matches what is posted on OASIS (copy/paste rather than re-typing).
- For forecasted resources, please provide demand (maximum MW forecasted), Source, POR, Sink, and POD. Since Forecasted TSRs (FTSRs) will not be created for resource forecasts until a data exhibit is received and validated, an AREF # will not be available at the time the data exhibit is submitted.

### B. RESOURCE INFORMATION

1. Feasible BPA Point of Interconnection (POI; substation and voltage)
  - Provide the POI where the energy is delivered to BPA, i.e., substation and voltage, or line tap.
  - For a generation facility that is not yet operational, provide a plan of service from a study or other information showing that it is feasible for the energy from the generation facility to be delivered at this POI. The study must identify applicable POI infrastructure upgrades necessary to support the generation facility. The



study must consider other nearby resource interconnections (both existing and previously requested). BPA reserves the right to determine the sufficiency of a plan of service identified for a NEWPOINT point of receipt (POR).

- Identify the rights to deliver energy to the POR. Identification of such rights include demonstration of a business relationship with the owner of the energy being delivered, such as the owner of the cited Generation Facility specified in the Data Exhibit. BPA may accept generic generation sources such as “market purchase” for PORs that are established trading points for energy transfers such as NWH, BIGEDDY, JOHNDAY, COB, or NOB.
  - The following are examples of the business relationships that BPA would accept:
    - The customer submitting the TSR is the same as the legal entity or shares common ownership with the entity that owns the Generation Facility or Generator
    - Interconnection Request from BPA’s interconnection queue cited in the Data Exhibit.
    - Demonstration that the owner or developer of the cited Generation Facility is
      - selling or intends to sell the output of the facility and the TSR submitter intends to purchase the output.
      - If the resource cited in the data exhibit is not located at the POR of the TSR, long-term firm transmission rights to deliver energy from the resource to the POR.
      - Other demonstration of business relationship that creates a reasonable expectation that the transmission service will be utilized consistent with the Generation Facility information cited in the Data Exhibit.

2. Maximum Energy Deliverable at POI (MW at POI)

- Provide the maximum generating capability of the generator facility deliverable at the POI based on a feasible studied plan of service or established service.
- If a feasibility study identifies multiple alternatives for different generation levels, the specific generation level to be assumed for the interconnection must be identified and must be supported by the study.
- For facilities with more than one resource/fuel type, provide the maximum capability of each resource type as well as the total facility capability that can be delivered at the POI.

3. Delivering Party (at POI):

- Provide the Delivering Party at the POI.

4. Up-stream Host Balancing Authority (BA at POI)

- For external off-system resources, identify the up-stream host Balancing Authority at the POI. Note this specifically includes any POI associated with a POR of MIDCREMOTE.



5. Up-stream Host Transmission Provider (TP at POI)
  - If the generation facility is interconnecting to another transmission provider's transmission system, provide the name of the other transmission provider that is providing the service to deliver the energy at the POI. Note: this includes any POI associated with a POR of MIDCREMOTE.
- 5.a. Up-stream Transmission Rights Reference (Contract, AREF#, etc.)
  - Provide any additional up-stream transmissions rights references if available. This could include:
    - Rights with an up-stream transmission provider or Balancing Authority (Contract# and/or AREF#)
    - Intertie rights (AREF#s) to deliver from JOHNDAY or BIGEDDY
    - Companion TSR information (AREF#s) for deliveries at NWH
    - Power Purchase agreements for existing or proposed generation
6. Name of Generation Facility
  - Provide the name of the generation facility, if known. Failure to provide this information may result in invalidation of TSR or forecast.
7. Type of Resource (thermal, wind, solar, etc.)
  - Provide the type of resource (thermal, wind, solar, etc.). Be specific – Do not declare "either/or," i.e., wind or solar. Multiple resource types are allowed, i.e., wind and storage.
8. Maximum Generating Capability (Nameplate MW)
  - If the nameplate MW is different than the Maximum Energy Deliverable at the POI, it can be provided here.
  - For facilities with more than one resource/fuel type, provide the maximum capability of each resource type as well as the total facility capability.
9. Generator Interconnection Reference Number (GI#)
  - For a generation facility that is not yet operational, if available provide the corresponding Generator Interconnection Request number(s) (GI #) and, if generation facility will be interconnecting to another Transmission Provider's transmission system, provide the name of the other Transmission Provider. Failure to provide this information may result in invalidation of TSR or forecast.
10. Location of new Generation Facility (County, Lat/Long)
  - Provide the county, latitude, and longitude of new generation facilities.
11. Solar Capability Information (if applicable)
  - a. What is the configuration of the panels? Select one
    - Select the one option that describes the configuration of the generating facility's solar panels.



- b. Facility Solar DC Nameplate Capacity (MW)
    - Provide the generating facility's DC nameplate capacity in MW.
  - c. Facility Solar AC Capacity (MW)
    - Provide the generating facility's AC capacity in MW.
12. Storage Capability Information (if applicable)
- a. Facility Storage Instantaneous Power Capacity (MW)
    - Provide the generating facility's Instantaneous Power Capacity in MW.
  - b. Facility Storage Energy Capacity (MWh)
    - Provide the generating facility's Energy Capacity in MWh.
  - c. What is the configuration of the storage? Select one
    - Select one option that represents the configuration of the storage facility.

### ADDITIONAL INFORMATION

- Where the Customer identifies off-system resources (e.g., market purchases or non-specific generation) as the source generation of the TSR, the Customer should provide supplemental information regarding the resource for the TSR to help BPA evaluate the request for service. If the Customer does not provide any supplemental information, BPA may make assumptions about adequate generation dispatches to identify the transmission system impacts of the TSR. BPA's study results and Customer's upgrade obligations will be a result of BPA's assumptions.
- Mid-Columbia Area
  - Power purchased from or delivered to Chelan, Douglas, or Grant PUDs is reserved using a POR/POD of BPAT.CHPD, BPAT.DOPD, or BPAT.GCPD, respectively.
  - The Northwest Market Hub (POR or POD of NWH) is an internal market point managed by BPA. The various substations identified within the Northwest Hub do not comprise an ultimate source or ultimate sink. Additional information is helpful to define and study a complete transmission path from an ultimate source to an ultimate sink for a TSR involving the Northwest Hub. If the Customer fails to provide additional information for TSRs with a POR or POD of Northwest Hub, the Customer accepts study assumptions and results as determined by BPA.
  - MIDCREMOTE is a reservation point to systems external from the BPA system and is **not a market hub**. When selecting MIDCREMOTE as a POR or POD, a MID-C Hosting Transmission Provider (Grant, Chelan, Douglas) and MID-C Balancing Authority (PAC, Avista, PGE, etc.) must be provided.



## C. LOAD INFORMATION

### 13. Delivery Location (substation and voltage)

- Identify the point where the capacity and energy transmitted will be delivered. This will most likely be the NT customer's sink, i.e., UMATILANTDP. If it is different, the substation and voltage associated with existing PODs are identified on the [Contract Points List](#) posted on OASIS.
- BPA reserves the right to determine the sufficiency of a plan of service identified for a NEWPOINT point of delivery (POD).

### 14. Transfer Point Delivery Location (if via transfer)

- If the capacity and energy is transferred from BPA (load served on non-BPA system), provide the transfer delivery location.

### 15. Down-stream Transmission Rights Reference (Contract, AREF#, etc.)

- Provide any supporting transmission rights information down-stream of the POD that would help BPA in evaluating the requested service if available. This could include:
  - Rights with a down-stream transmission provider (Contract# and/or AREF#)
  - Intertie rights (AREF#s) to take service at JOHNDAY or BIGEDDY for delivery to California.
  - Companion TSR information (AREF#s) for service from NWH that could move the energy to load.
  - Power displacement agreements for existing generation serving the load.

### 16. Line and Load Interconnection Request (LLIR#)

- If the load to be served is associated with a Line and Load Interconnection Request (LLIR), provide the LLIR #.

### 17. Receiving Party (at POD)

- Identify the Receiving Party. Pursuant to the BPA OATT, the Receiving Party is defined as "The entity receiving the capacity and energy transmitted by the Transmission Provider to Point(s) of Delivery."
- Demonstration of a reasonable expectation that the Receiving Party may take delivery of the energy at the POD. **Exception that does not require documentation for the Receiving Party: When the POD connects to a transmission provider that offers OATT transmission service from the POD such that the Receiving Party would be expected to take OATT service from the transmission provider.**
  - The following are examples of acceptable demonstration:
    - An approved action plan from an Integrated Resource Plan (IRP) that has been acknowledged, accepted, or otherwise approved and indicates that the Receiving Party expects to hold a process to acquire generation for which the transmission service request could be utilized.





- Verifiable intention of the load-serving entity to take actions that might reflect a need for the requested transmission service (for example, to conduct a request for proposal for which the requested transmission service could be used to participate).
- In the case of a request for point-to-point service for delivery to a network integration customer, documentation that such customer is interested in serving a portion of its load on point-to-point service.
- Other demonstration of a business relationship that creates a reasonable expectation that the transmission service will be utilized consistent with the Receiving Party information cited in the Data Exhibit.
- For delivery to a market hub, customer may enter “market delivery.”

18. Generation being displaced

- Provide information about any generation being displaced if there is not a load.

