

Network Integration Transmission Service Request Data Exhibit

Instructions for Completing the Data Exhibit follow data sheets

Customer Name

Point of Contact for Data Exhibit

Point of Contact Email

A. CUSTOMER TSR INFORMATION

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

Customer Comments (from OASIS)

B. ON-SYSTEM RESOURCE INFORMATION

- Name of Generation Facility
- Type of Resource (thermal, wind, solar, etc.)
- Feasible BPA Point of Interconnection (POI; substation and voltage)
- Maximum Generating Capability (MW at POI)
- Up-stream Host Transmission Provider (TP at POI)
- Delivering Party (at POI)
- Generation Interconnection Reference (GI#)
- Location of new Generation Facility (County, Lat/Long)
- Solar Capability Information
 - What is the configuration of the panels? Select one.

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



10. 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. OFF-SYSTEM RESOURCE INFORMATION

1. Name of Generation Facility

2. Type of Resource (thermal, wind, solar, etc.)

3. Up-stream Host Balancing Authority

4. Feasible BPA Point of Interconnection (POI; substation and voltage)

5. Delivering Party (at POR)

6. Generation Interconnection Reference (GI#)

7. Up-stream Transmission Rights Reference (Contract, AREF#, etc.)

D. LOAD INFORMATION

1. Location of Load (substation and voltage)

2. Generation being displaced

3. Line and Load Interconnection Request

4. Receiving Party (at POD)

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

Network Integration Transmission Service Request Data Exhibit Instructions

A Customer must complete this Data Exhibit for each request for long-term firm Network Integration transmission service the Customer submits on OASIS. This 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.

- 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.
- The completed Data Exhibit for Transmission Service Requests (TSRs) must be submitted to 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").
- The completed Data Exhibit for a forecasted resource, must be submitted to the Customer's Transmission Account Executive within 10 business days of receiving the notification email that a Data Exhibit is required from their Transmission Account Executive.
- 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 to enable opportunity for clarification and/or provision of additional information to rectify identified deficiencies.
- 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.
- 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.

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

B. ON-SYSTEM RESOURCE INFORMATION

- Identify the name, location and supporting information of the generation facility(ies) supplying the capacity and energy.
1. 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.
 2. Type of Resource
 - 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.
 3. Feasible BPA Point of Interconnection (POI)
 - 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).
 4. Maximum Generating Capability (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.
 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.
 6. Delivering Party (at POR):
 - Provide the Delivering Party at the POR (the POR is the reservation point associated with the POI). Pursuant to the BPA Open Access Transmission Tariff (OATT), the Delivering Party is defined as “The entity supplying capacity and energy to be transmitted at Point(s) of Receipt.”
 7. Generator Interconnection Number (GI#)
 - For a generation facility that is not yet operational, if available provide the corresponding Generator Interconnection Request number(s) (i.e. 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.

8. Location of the new Generation Facility (if applicable)
 - Provide the county, latitude and longitude of new generation facility.
9. 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.
10. 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.
11. ADDITIONAL INFORMATION
 - Where the Customer identifies market purchases or non-specific generation as the source generation of the TSR for off-system resources, BPA will make necessary study model assumptions of adequate generation dispatches in order to identify transmission system impacts. BPA's study results and Customer's upgrade obligations will be a result of BPA's assumptions. Attach any supplemental information regarding the resource(s) that may support BPA in evaluating the request for service.
 - 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 in order 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. OFF-SYSTEM RESOURCE INFORMATION

- If the generating facility(ies) is not interconnected into BPA's Balancing Area Authority (BAA), provide the BAA of the generating facility(ies) and the delivery point to (point of interconnection) BPA's BAA (i.e. substation and voltage). In addition, work with BPA to acquire the appropriate level of information (e.g. transmission arrangements on the external transmission system(s), Remedial Action Scheme(s), etc.) to complete the study.
1. Name of Generation Facility
 - Provide the name of the generation facility, if known.
 2. Type of Resource
 - 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.
 3. Up-stream Host Balancing Authority
 - 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
 4. Feasible BPA Point of Interconnection (POI)
 - 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).
 5. Delivering Party (at POR):
 - Provide the Delivering Party at the POR (the POR is the reservation point associated with the POI). Pursuant to the BPA Open Access Transmission Tariff (OATT), the Delivering Party is defined as “The entity supplying capacity and energy to be transmitted at Point(s) of Receipt.”
 6. Generator Interconnection Number (GI#)
 - For a generation facility that is not yet operational, if available provide the corresponding Generator Interconnection Request number(s) (i.e. GI #) and, if generation facility is 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.
 7. 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

D. LOAD INFORMATION

1. Location of Load (substation and voltage)
 - Identify the point where the capacity and energy transmitted will be delivered. Be specific to the substation(s) and voltage(s) on BPA's transmission system. The substation and voltage associated with existing PODs are identified on the [Contract Points List](#) posted on OASIS.
2. Generation being displaced
 - Provide information about any generation being displaced if there is not a load.
3. Line and Load Interconnection Request (LLIR at load)
 - If the load to be served is associated with a Line and Load Interconnection Request (LLIR), provide the LLIR #.
4. 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."
5. 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