

Instructions

Please complete and submit this Transition Cluster Study Phase One Cluster Study Customer Review Period Redemonstration document, along with any supplementary documents identified in the Transition Cluster Study Phase One Cluster Study Customer Review Period Redemonstration document, in Portable Document Format (PDF) via email to GI_ClusterStudies@bpa.gov in accordance with Section H.3.d of the Transition Process Business Practice.

If Interconnection Customer is utilizing multiple of the same non-financial Commercial Readiness Milestone Option or utilizing both a term sheet and contract option, identified by category in Section 3.A of the Transition Cluster Study Phase One Cluster Study Customer Review Period Redemonstration document, that Interconnection Customer must duplicate pages of the Transition Cluster Study Phase One Cluster Study Customer Review Period Redemonstration document as needed to provide the required information for each document provided. For example, if submitting multiple executed term sheets or contracts, Interconnection Customer should duplicate Page 3 of the Transition Cluster Study Phase One Cluster Study Customer Review Period Redemonstration document and complete Section 3.A.a for each term sheet or contract submitted.

If a fillable box or table provided in the Transition Cluster Study Phase One Cluster Study Customer Review Period Redemonstration document is insufficient to provide all required information, Interconnection Customer may duplicate pages as needed to provide the required information or submit a supplementary document including all the required information.

Transition Cluster Study

Phase One Cluster Study Customer Review Period Redemonstration

Each request to interconnect a Large Generating Facility, identified by G#, requires a separate Transition Cluster Study Phase One Cluster Customer Review Period Redemonstration.

1. Interconnection Request Information:

- A. Queue # of requested Large Generating Facility:
- B. Name of Interconnection Customer:

2. Site Control Redemonstration (Section 6.6.3 of the LGIP):

Interconnection Customer submitted an updated Site Control Demonstration form, evidence of Site Control, and maps, as identified in the Site Control Business Practice.

Were new or different documents evidencing Site Control submitted?

No – I affirm that there have been no changes to the site used for the Large Generating Facility or the documentation evidencing Site Control.

Yes – I affirm that all extensions required to maintain Site Control were performed and are identified in the Site Control Demonstration form and documentation evidencing Site Control.

Yes – I affirm that actions to execute a lease or close a purchase were performed and are identified in the Site Control Demonstration form and documentation evidencing Site Control.

Yes – Other actions were taken and such actions are identified in the Site Control Demonstration form and documentation evidencing Site Control.

3. Commercial Readiness Redemonstration (Section 3.2.1 of Attachment R):

Interconnection Customer identifies the Commercial Readiness Milestone Option or Options utilized to demonstrate Commercial Readiness below. Interconnection Customer has submitted supplementary documents evidencing Commercial Readiness when using a non-financial Commercial Readiness Milestone Option and has remitted funds when using a Commercial Readiness Deposit, where applicable.

*Note that Commercial Readiness Deposits are calculated under Sections 3.2.1(g) or (h) of Attachment R.

A. Non-financial Commercial Readiness Milestone Options:

In the following table, Interconnection Customer must identify the non-financial Commercial Readiness Milestone Option or Options being used, the MW of an Interconnection Request's requested Interconnection Service level being met by each option, and the name of the file supplementing this form that contains the document evidencing the option:

[illegible]

* Customers using Site Specific Purchase Orders or Transmission Service Reservation options may only use a single form of non-financial Commercial Readiness Milestone Option but may supplement the option with a Commercial Readiness Deposit.

** Customers using a Transmission Service Reservation option only need to provide supplementary documentation as indicated in Section 3.A.b of this form.

a. Executed Term Sheet or Executed Contract:

If using non-financial Commercial Readiness Milestone Option of executed term sheet or executed contract, complete the following for each document:

i. Identify title of file containing documentation provided:

ii. Type of documentation:

iii. Interconnection Customer party to the agreement? Yes No

If no, provide an explanation on why BPA should treat documentation as if Interconnection Customer is a party.

iv. Counter-Party:

v. Citation to counter-party (page/section):

i. Citation to signature of both parties (page/section):

v. Citation to Queue number of the request (page/section):

vi. Product purchased?

vii. Citation to identification of product purchased/sold (page/section):

i. Term of sale:

ii. Citation to term of sale (page/section):

viii. Generator fuel type matches request? Yes No

ix. Citation to fuel type (page/section):

x. MW to be purchased/sold:

xi. Citation to MW to be purchased/sold (page/section):

b. Transmission Service Reservation:

If using non-financial Commercial Readiness Milestone Options of selection transmission service reservation:

AREF	MW Reserved	POR matches POI identified in last study report?	CONFIRMED?

If Transmission Service Reservation is not CONFIRMED or the Point of Receipt of the Transmission Service Reservation does not match the Interconnection Request's POI as identified in the most recently issued study report, provide an explanation of how Interconnection Customer has reasonable evidence of transmission service reservation (or comparable evidence) for the Generating Facility. If transmission service reservation is owned by an entity other Interconnection Customer, Interconnection Customer must provide an explanation on why BPA should treat transmission service reservation as if it is owned by Interconnection Customer.

c. Selection in a Resource Plan or Site Specific Purchase Order:

If using non-financial Commercial Readiness Milestone Options of selection in a resource plan or a site-specific purchase order, provide an explanation of how documentation meets the requirements of the BPA OATT and Commercial Readiness Business Practice. Provide citation to the file name containing evidence and pages/sections within that file/document where information meeting those requirements is located.

B. Commercial Readiness Deposits:

Interconnection Customer is demonstrating Commercial Readiness with the following Commercial Readiness Deposit option and has remitted the required Commercial Readiness Deposit as indicated below. Commercial Readiness Milestone Deposit is equal to 10% of the Network Upgrade costs allocated to Interconnection Customer in the Phase One Cluster Study report less any amounts already paid as part of a previous Commercial Readiness Deposit or the amount required to supplement a non-financial Commercial Readiness Milestone Option, as identified under Sections 3.2.1(g) or (h) of Attachment R respectively.

- a. Form of Commercial Readiness Deposit:
- b. Calculating the Commercial Readiness Deposit:
 - i. 10% of the Network Upgrade costs allocated to Interconnection Customer identified in the Phase One Cluster Study report:
 - ii. If Commercial Readiness Deposit is the entire demonstration of Commercial Readiness, Interconnection Customer has remitted the following amount when a positive number:

$$(10\% \text{ Network Upgrades}) - (\text{previous deposit of the same type}) = \text{amount submitted with redemonstration.}$$
 - iii. If a Commercial Readiness Deposit is supplementing a non-financial Commercial Readiness Milestone Option, Interconnection Customer has remitted the following amount when a positive:

$$(10\% \text{ Network Upgrades}) - (10\% \text{ Network Upgrades} * (\text{MW of Interconnection Service demonstrated with non-financial options} / \text{MW of Interconnection Service})) - (\text{previous deposit of the same type}) = \text{amount submitted with redemonstration.}$$

C. Model Submissions (Section 6.6.2 of the LGIP):

- a. Interconnection Customer submitted the following items:
 - i. validated detailed positive-sequence powerflow and dynamic models representing the Generating Facility, Collector System, and any associated High Voltage equipment in PowerWorld (.pwb, .aux) or GE PSLF (.epc, .sav, .dyd) file formats;
 - ii. validated full-sequence impedance models (short circuit) in ASPEN Oneliner (.olr) file formats;
 - iii. validated plant-specific Electromagnetic Transient (EMT) models that include OEM control and protection settings in a file format readable by PSCAD, and EMT model validation report; and
 - iv. single-line diagrams of the Generating Facility's connection to the POI identified in the Phase 1 Transition Cluster Study report.
- b. Interconnection Customer is identifying ambient temperatures assumed for Generating Facility ratings used in models:

Season	Ambient Temperature of Seasonal Rating (Degree Celsius)
Spring	
Summer	
Fall	
Winter	

Yes – I affirm that Interconnection Customer submitted the models and information required under Section 6.6.2 of the LGIP and Section H.3. of the Transition Process business practice. I affirm that Interconnection Customer validated the models and diagrams to ensure accurate information about the Large Generating Facility and compliance with modeling and design standards as attested to in the Generation Model and Performance Attestation for a Generating Facility form (Attachment A to Appendix 1 of the LGIP) submitted with the Transition Request. I affirm that all modifications that will be made to the Interconnection Request during the Phase One Cluster Study Customer Review Period were made and that those modifications, if any, are reflected in the validated models and diagrams submitted to BPA.

4. Affirmation

I, the undersigned, am a person holding contractual signatory authority on behalf of the Interconnection Customer.

I have reviewed this form and the referenced attachments and documents and have personal knowledge of their contents.

I affirm that any documents provided to demonstrate Commercial Readiness are provided in their entirety and only commercially sensitive information is redacted. I acknowledge that Interconnection Customer may not make multiple submissions to demonstrate Commercial Readiness during this Phase One Cluster Study Customer Review Period and that Interconnection Customer may only change the Commercial Readiness Milestone Options selected in this form if necessary to correct any deficiencies in this demonstration that BPA identifies. I acknowledge that Interconnection Customer has an obligation to correct any deficiencies in the models and diagrams that BPA identifies at any time.

By (signature):

Name (type or print):

Job Title:

Date: