

**ATTACHMENT N**

**Standard Small Generator Interconnection Procedures (SGIP) including Standard Small  
Generator Interconnection Agreement (SGIA)**

**STANDARD SMALL GENERATOR  
INTERCONNECTION PROCEDURES (SGIP)**

**including**

**STANDARD SMALL GENERATOR  
INTERCONNECTION AGREEMENT (SGIA)**

**SMALL GENERATOR  
INTERCONNECTION PROCEDURES (SGIP)**

**(For Generating Facilities No Larger Than 20 MW)**

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## **Section 1. Application**

### **1.1 Applicability**

- 1.1.1** A request to interconnect a Small Generating Facility shall be evaluated under the section 3 Study Process.
- 1.1.2** Capitalized terms used herein shall have the meanings specified in the Glossary of Terms in Attachment 1 or the body of these procedures.
- 1.1.3** Intentionally Omitted.
- 1.1.4** Prior to submitting its Interconnection Request (Attachment 2), Interconnection Customer may ask Transmission Provider's interconnection contact employee or office whether the proposed interconnection is subject to these procedures. Transmission Provider shall use Reasonable Efforts to respond within 15 Business Days.
- 1.1.5** Infrastructure security of electric system equipment and operations and control hardware and software is essential to ensure day-to-day reliability and operational security. The Federal Energy Regulatory Commission expects all Transmission Providers, market participants, and Interconnection Customers interconnected with electric systems to comply with the recommendations offered by the President's Critical Infrastructure Protection Board and best practice recommendations from the electric reliability authority. All public utilities are expected to meet basic standards for electric system infrastructure and operational security, including physical, operational, and cyber-security practices.
- 1.1.6** References in these procedures to interconnection agreement are to the Small Generator Interconnection Agreement (SGIA).

### **1.2 Pre-Application**

Transmission Provider shall designate an employee or office from which information on the application process and on an Affected System can be obtained through informal requests from Interconnection Customer presenting a proposed project for a specific site. The name, telephone number, and e-mail address of such contact employee or office shall be made available on Transmission Provider's Internet web site. Electric system information provided to Interconnection Customer should include relevant system studies, interconnection studies, and other materials useful to an understanding of an interconnection at a particular point on Transmission Provider's Transmission System, to the extent such provision does not violate confidentiality provisions of prior agreements or critical infrastructure requirements. Transmission Provider shall comply with reasonable requests for such information.

### **1.3 Interconnection Request**

Interconnection Customer shall submit its Interconnection Request to Transmission Provider, together with the deposit specified in the Interconnection Request. The

Interconnection Request shall be date- and time-stamped upon receipt. The original date- and time-stamp applied to the Interconnection Request at the time of its original submission shall be accepted as the qualifying date- and time-stamp for the purposes of any timetable in these procedures. Transmission Provider shall use Reasonable Efforts to notify Interconnection Customer of receipt of the Interconnection Request within three Business Days of receiving the Interconnection Request. Transmission Provider shall use Reasonable Efforts to notify Interconnection Customer within ten Business Days of the receipt of the Interconnection Request as to whether the Interconnection Request is complete or incomplete. If the Interconnection Request is incomplete, Transmission Provider shall provide along with the notice that the Interconnection Request is incomplete, a written list detailing all information that must be provided to complete the Interconnection Request. Interconnection Customer will have ten Business Days after receipt of the notice to submit the listed information or to request an extension of time to provide such information. If Interconnection Customer does not provide the listed information or a request for an extension of time within the deadline, the Interconnection Request will be deemed withdrawn. An Interconnection Request will be deemed complete upon submission of the listed information to Transmission Provider.

#### **1.4 Modification of the Interconnection Request**

Any modification to machine data or equipment configuration or to the interconnection site of the Small Generating Facility not agreed to in writing by Transmission Provider and Interconnection Customer may be deemed a withdrawal of the Interconnection Request and may require submission of a new Interconnection Request, unless proper notification of each Party by the other and a reasonable time to cure the problems created by the changes are undertaken.

#### **1.5 Site Control**

Documentation of site control must be submitted with the Interconnection Request. Site control may be demonstrated through:

- 1.5.1** Ownership of, a leasehold interest in, or a right to develop a site for the purpose of constructing the Small Generating Facility;
- 1.5.2** An option to purchase or acquire a leasehold site for such purpose; or
- 1.5.3** An exclusivity or other business relationship between Interconnection Customer and the entity having the right to sell, lease, or grant Interconnection Customer the right to possess or occupy a site for such purpose.

#### **1.6 Queue Position**

Transmission Provider shall assign a Queue Position based upon the date- and time-stamp of the Interconnection Request. The Queue Position of each Interconnection Request will be used to determine the cost responsibility for the Upgrades necessary to accommodate the interconnection. Transmission Provider shall maintain a single queue per geographic region. At Transmission Provider's option, Interconnection Requests may be studied serially or in clusters for the purpose of the system impact study.

**1.7 Interconnection Requests Submitted Prior to the Effective Date of the SGIP**

Nothing in this SGIP affects an Interconnection Customer's Queue Position assigned before the effective date of this SGIP. The Parties agree to complete work on any interconnection study agreement executed prior the effective date of this SGIP in accordance with the terms and conditions of that interconnection study agreement. Any new studies or other additional work will be completed pursuant to this SGIP.

**Section 2. Fast Track Process. Intentionally Omitted.****Section 3. Study Process****3.1 Applicability**

Except as otherwise provided in the SGIP, the section 3 Study Process shall be used by an Interconnection Customer proposing to interconnect its Small Generating Facility with Transmission Provider's Transmission System.

**3.2 Scoping Meeting**

**3.2.1** Transmission Provider shall use Reasonable Efforts to hold a scoping meeting with Interconnection Customer within ten Business Days after the Interconnection Request is deemed complete, or as otherwise mutually agreed to by the Parties. Transmission Provider and Interconnection Customer will bring to the meeting personnel, including system engineers and other resources as may be reasonably required to accomplish the purpose of the meeting.

**3.2.2** The purpose of the scoping meeting is to discuss the Interconnection Request and review existing studies relevant to the Interconnection Request. The Parties shall further discuss whether Transmission Provider should perform a feasibility study or proceed directly to a system impact study, or a facilities study, or an interconnection agreement. If the Parties agree that a feasibility study should be performed, Transmission Provider shall use Reasonable Efforts to provide a feasibility study agreement (Attachment 3) to Interconnection Customer within five Business Days after the scoping meeting, including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study.

**3.2.3** The scoping meeting may be omitted by mutual agreement. In order to remain in consideration for interconnection, an Interconnection Customer who has requested a feasibility study must return the executed feasibility study agreement within 15 Business Days. If the Parties agree not to perform a feasibility study, Transmission Provider shall use Reasonable Efforts to provide a system impact study agreement (Attachment 4) to Interconnection Customer within five Business Days after the scoping meeting, including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study.

**3.2.4** As soon as practicable after the scoping meeting, Transmission Provider shall tender to Interconnection Customer a NEPA study agreement authorizing Transmission Provider, at Interconnection Customer's expense, to perform environmental review of the proposed interconnection, and setting forth Interconnection Customer's responsibilities in connection with such environmental review. Interconnection Customer shall execute and return the NEPA study agreement within 30 days of receipt or its Interconnection Request shall be deemed withdrawn and the unexpended amount of its deposit, if any, shall be returned.

### **3.3 Feasibility Study**

**3.3.1** The feasibility study shall identify any potential adverse system impacts that would result from the interconnection of the Small Generating Facility.

**3.3.2** A deposit of the good faith estimated feasibility study costs or \$5,000, whichever is greater, shall be required from Interconnection Customer prior to the initiation of the study work.

**3.3.3** The scope of and cost responsibilities for the feasibility study are described in the attached feasibility study agreement (Attachment 3).

**3.3.4** If the feasibility study shows no potential for adverse system impacts, Transmission Provider shall send Interconnection Customer a facilities study agreement, including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study. If no additional facilities are required, Transmission Provider shall decide whether to send Interconnection Customer an executable interconnection agreement in accordance with section 3.5.7 of these procedures.

**3.3.5** If the feasibility study shows the potential for adverse system impacts, the review process shall proceed to the appropriate system impact study(s).

### **3.4 System Impact Study**

**3.4.1** A system impact study shall identify and detail the electric system impacts that would result if the proposed Small Generating Facility were interconnected without project modifications or electric system modifications, focusing on the adverse system impacts identified in the feasibility study, or to study potential impacts, including but not limited to those identified in the scoping meeting. A system impact study shall evaluate the impact of the proposed interconnection on the reliability of the electric system.

**3.4.2** If no transmission system impact study is required, but potential electric power Distribution System adverse system impacts are identified in the scoping meeting or shown in the feasibility study, a distribution system impact study must be performed. Transmission Provider shall use Reasonable Efforts to send Interconnection Customer a distribution system impact study agreement within

15 Business Days of transmittal of the feasibility study report, including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study, or following the scoping meeting if no feasibility study is to be performed.

- 3.4.3** In instances where the feasibility study or the distribution system impact study shows potential for transmission system adverse system impacts, within five Business Days following transmittal of the feasibility study report, Transmission Provider shall use Reasonable Efforts to send Interconnection Customer a transmission system impact study agreement including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study, if such a study is required.
- 3.4.4** If a transmission system impact study is not required, but electric power Distribution System adverse system impacts are shown by the feasibility study to be possible and no distribution system impact study has been conducted, Transmission Provider shall send Interconnection Customer a distribution system impact study agreement.
- 3.4.5** If the feasibility study shows no potential for transmission system or Distribution System adverse system impacts, Transmission Provider shall send Interconnection Customer either a facilities study agreement (Attachment 5), including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the study, or shall decide whether to send Interconnection Customer an executable interconnection agreement in accordance with section 3.5.7 of these procedures, as applicable.
- 3.4.6** In order to remain under consideration for interconnection, Interconnection Customer must return executed system impact study agreements, if applicable, within 30 Business Days.
- 3.4.7** A deposit of the good faith estimated costs for each system impact study shall be required from Interconnection Customer prior to the initiation of the study work.
- 3.4.8** The scope of and cost responsibilities for a system impact study are described in the attached system impact study agreement.
- 3.4.9** Where transmission systems and Distribution Systems have separate owners, such as is the case with transmission-dependent utilities ("TDUs") – whether investor- owned or not – Interconnection Customer may apply to the nearest Transmission Provider (Transmission Owner, Regional Transmission Operator, or Independent Transmission Provider) providing transmission service to the TDU to request project coordination. Affected Systems shall participate in the study and provide all information necessary to prepare the study.



### **3.5 Facilities Study**

- 3.5.1** Once the required system impact study(s) is completed, Transmission Provider shall use Reasonable Efforts to prepare and transmit within five Business Days a system impact study report to Interconnection Customer along with a facilities study agreement, including an outline of the scope of the study and a non-binding good faith estimate of the cost to perform the facilities study. In the case where one or both impact studies are determined to be unnecessary, a notice of the fact shall be transmitted to Interconnection Customer within the same timeframe.
- 3.5.2** In order to remain under consideration for interconnection, or, as appropriate, in Transmission Provider's interconnection queue, Interconnection Customer must return the executed facilities study agreement or a request for an extension of time within 30 Business Days.
- 3.5.3** The facilities study shall specify and estimate the cost of the equipment, engineering, procurement and construction work (including overheads) needed to implement the conclusions of the system impact study(s), as appropriate.
- 3.5.4** Design for any required Interconnection Facilities and/or Upgrades shall be performed under the facilities study agreement. Transmission Provider may contract with consultants to perform activities required under the facilities study agreement. Interconnection Customer and Transmission Provider may agree to allow Interconnection Customer to separately arrange for the design of some of the Interconnection Facilities. In such cases, facilities design will be reviewed and/or modified prior to acceptance by Transmission Provider, under the provisions of the facilities study agreement. If the Parties agree to separately arrange for design and construction, and provided security and confidentiality requirements can be met, Transmission Provider shall make sufficient information available to Interconnection Customer in accordance with confidentiality and critical infrastructure requirements to permit Interconnection Customer to obtain an independent design and cost estimate for any necessary facilities.
- 3.5.5** A deposit of the good faith estimated costs for the facilities study shall be required from Interconnection Customer prior to the initiation of the study work.
- 3.5.6** The scope of and cost responsibilities for the facilities study are described in the attached facilities study agreement.
- 3.5.7** Upon completion of the facilities study, and with the agreement of Interconnection Customer to pay for Interconnection Facilities and Upgrades identified in the facilities study, Transmission Provider shall decide whether to send Interconnection Customer an executable interconnection agreement after completing necessary environmental documentation under the National

Environmental Policy Act of 1969, 42 U.S.C. § 4321, et seq., as amended, concerning the interconnection of the Small Generating Facility; provided, that Transmission Provider's decision shall not be subject to dispute resolution. If Transmission Provider decides to send Interconnection Customer an executable interconnection agreement, Transmission Provider shall use Reasonable Efforts to send such agreement within five Business Days after rendering its decision.

#### **Section 4. Provisions that Apply to All Interconnection Requests**

##### **4.1 Reasonable Efforts**

Transmission Provider shall make Reasonable Efforts to meet all time frames provided in these procedures unless Transmission Provider and Interconnection Customer agree to a different schedule. If Transmission Provider cannot meet a deadline provided herein, it shall notify Interconnection Customer, explain the reason for the failure to meet the deadline, and provide an estimated time by which it will complete the applicable interconnection procedure in the process.

##### **4.2 Disputes**

**4.2.1** The Parties agree to attempt to resolve all disputes arising out of the interconnection process according to the provisions of this article.

**4.2.2** In the event of a dispute, such Party ("the disputing Party") shall provide the other Party with written notice of the dispute or claim ("Notice of Dispute"). Such dispute or claim shall be referred to a designated senior representative of each Party for resolution on an informal basis as promptly as practicable after receipt of the Notice of Dispute by the other Party.

**4.2.3** In the event the designated representatives are unable to resolve the claim or dispute through unassisted negotiations within thirty (30) calendar days of the other Party's receipt of the Notice of Dispute, either Party may contact FERC's Dispute Resolution Service (DRS) for assistance in resolving the dispute.

**4.2.4** The DRS will assist the Parties in either resolving their dispute or in selecting an appropriate dispute resolution venue (e.g., mediation, settlement judge, early neutral evaluation, or technical expert) to assist the Parties in resolving their dispute. DRS can be reached at 1-877-337-2237 or via the internet at <http://www.ferc.gov/legal/adr.asp>.

**4.2.5** Each Party agrees to conduct all negotiations in good faith and will be responsible for one-half of any costs paid to neutral third-parties.

**4.2.6** If neither Party elects to seek assistance from the DRS, or if the attempted dispute resolution fails, then either Party may exercise whatever rights and remedies it may have in equity or law consistent with the terms of these procedures.

**4.3 Interconnection Metering**

Any metering necessitated by the use of the Small Generating Facility shall be installed at Interconnection Customer's expense in accordance with Transmission Provider's specifications.

**4.4 Commissioning**

Commissioning tests of Interconnection Customer's installed equipment shall be performed pursuant to applicable codes and standards. Transmission Provider must be given at least five Business Days written notice, or as otherwise mutually agreed to by the Parties, of the tests and may be present to witness the commissioning tests.

**4.5 Confidentiality**

**4.5.1** Confidential information shall mean any confidential and/or proprietary information provided by one Party to the other Party that is clearly marked or otherwise designated "Confidential." For purposes of these procedures all design, operating specifications, and metering data provided by Interconnection Customer shall be deemed confidential information regardless of whether it is clearly marked or otherwise designated as such.

**4.5.2** Confidential Information does not include information previously in the public domain, required to be publicly submitted or divulged by Governmental Authorities (after notice to the other Party and after exhausting any opportunity to oppose such publication or release), or is otherwise required to be disclosed by law or subpoena, including the Freedom of Information Act, 5 U.S.C. § 552, as amended, or necessary to be divulged in an action to enforce these procedures. Each Party receiving Confidential Information shall hold such information in confidence and shall not disclose it to any third party nor to the public without the prior written authorization from the Party providing that information, except to fulfill obligations under these procedures, or to fulfill legal or regulatory requirements.

**4.5.2.1** Each Party shall employ at least the same standard of care to protect Confidential Information obtained from the other Party as it employs to protect its own Confidential Information.

**4.5.3** Notwithstanding anything in this article to the contrary, and pursuant to 18 CFR § 1b.20, if FERC, during the course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to these procedures, the Party shall provide the requested information to FERC, within the time provided for in the request for information. In providing the information to FERC, the Party may, consistent with 18 CFR § 388.112, request that the information be treated as confidential and non-public by FERC and that the information be withheld from public disclosure. Parties are prohibited from notifying the other Party prior to the release of the Confidential Information to FERC. The Party shall notify the other Party when it is notified by FERC that a request to release Confidential

Information has been received by FERC, at which time either of the Parties may respond before such information would be made public, pursuant to 18 CFR § 388.112. Requests from a state regulatory body conducting a confidential investigation shall be treated in a similar manner if consistent with the applicable state rules and regulations.

#### **4.6 Comparability**

Transmission Provider shall receive, process and analyze all Interconnection Requests in a timely manner as set forth in this document. Transmission Provider shall use the same Reasonable Efforts in processing and analyzing Interconnection Requests from all Interconnection Customers, whether the Small Generating Facility is owned or operated by Transmission Provider, its subsidiaries or affiliates, or others.

#### **4.7 Record Retention**

Transmission Provider shall maintain for three years records, subject to audit, of all Interconnection Requests received under these procedures, the times required to complete Interconnection Request approvals and disapprovals, and justification for the actions taken on the Interconnection Requests.

#### **4.8 Interconnection Agreement**

If Transmission Provider decides to offer Interconnection Customer an executable interconnection agreement in accordance with section 3.5.7 of these procedures, Interconnection Customer shall have 30 Business Days or another mutually agreeable timeframe to sign and return the interconnection agreement. If Interconnection Customer does not sign the interconnection agreement, the Interconnection Request shall be deemed withdrawn. After the interconnection agreement is signed by the Parties, the interconnection of the Small Generating Facility shall proceed under the provisions of the interconnection agreement.

#### **4.9 Coordination with Affected Systems**

Transmission Provider shall coordinate the conduct of any studies required to determine the impact of the Interconnection Request on Affected Systems with Affected System operators and, if possible, include those results (if available) in its applicable interconnection study within the time frame specified in these procedures. Transmission Provider will include such Affected System operators in all meetings held with Interconnection Customer as required by these procedures.

Interconnection Customer will cooperate with Transmission Provider in all matters related to the conduct of studies and the determination of modifications to Affected Systems. A Transmission Provider, which may be an Affected System, shall cooperate with Transmission Provider with whom interconnection has been requested in all matters related to the conduct of studies and the determination of modifications to Affected Systems.

**4.10 Capacity of the Small Generating Facility**

- 4.10.1** If the Interconnection Request is for an increase in capacity for an existing Small Generating Facility, the Interconnection Request shall be evaluated on the basis of the new total capacity of the Small Generating Facility.
- 4.10.2** If the Interconnection Request is for a Small Generating Facility that includes multiple energy production devices at a site for which Interconnection Customer seeks a single Point of Interconnection, the Interconnection Request shall be evaluated on the basis of the aggregate capacity of the multiple devices.
- 4.10.3** The Interconnection Request shall be evaluated using the maximum rated capacity of the Small Generating Facility.

**Section 5. EIM****5.1 EIM Requirements**

Interconnection Customer shall have a continuing duty to comply with Attachment Q of this Tariff, as applicable.

## Attachment 1 Glossary of Terms

**Affected System** – An electric system other than the Transmission Provider's Transmission System that may be affected by the proposed interconnection.

**Business Day** – Monday through Friday, excluding Federal Holidays.

**Distribution System** – The Transmission Provider's facilities and equipment used to transmit electricity to ultimate usage points such as homes and industries directly from nearby generators or from interchanges with higher voltage transmission networks which transport bulk power over longer distances. The voltage levels at which Distribution Systems operate differ among areas.

**Distribution Upgrades** – The additions, modifications, and upgrades to the Transmission Provider's Distribution System at or beyond the Point of Interconnection to facilitate interconnection of the Small Generating Facility and render the transmission service necessary to effect the Interconnection Customer's wholesale sale of electricity in interstate commerce.

Distribution Upgrades do not include Interconnection Facilities.

**Good Utility Practice** – Any of the practices, methods and acts engaged in or approved by a significant portion of the electric industry during the relevant time period, or any of the practices, methods and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.

**Interconnection Customer** – Any entity, including the Transmission Provider, the Transmission Owner or any of the affiliates or subsidiaries of either, that proposes to interconnect its Small Generating Facility with the Transmission Provider's Transmission System.

**Interconnection Facilities** – The Transmission Provider's Interconnection Facilities and the Interconnection Customer's Interconnection Facilities. Collectively, Interconnection Facilities include all facilities and equipment between the Small Generating Facility and the Point of Interconnection, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the Small Generating Facility to the Transmission Provider's Transmission System. Interconnection Facilities are sole use facilities and shall not include Distribution Upgrades or Network Upgrades.

**Interconnection Request** – The Interconnection Customer's request, in accordance with the Tariff, to interconnect a new Small Generating Facility, or to increase the capacity of, or make a Material Modification to the operating characteristics of, an existing Small Generating Facility that is interconnected with the Transmission Provider's Transmission System.

**Material Modification** – A modification that has a material impact on the cost or timing of any Interconnection Request with a later queue priority date.

**Network Upgrades** – Additions, modifications, and upgrades to the Transmission Provider's Transmission System required at or beyond the point at which the Small Generating Facility interconnects with the Transmission Provider's Transmission System to accommodate the interconnection with the Small Generating Facility to the Transmission Provider's Transmission System. Network Upgrades do not include Distribution Upgrades.

**Party or Parties** – The Transmission Provider, Transmission Owner, Interconnection Customer or any combination of the above.

**Point of Interconnection** – The point where the Interconnection Facilities connect with the Transmission Provider's Transmission System.

**Queue Position** – The order of a valid Interconnection Request, relative to all other pending valid Interconnection Requests that is established based upon the date and time of receipt of the valid Interconnection Request by the Transmission Provider.

**Reasonable Efforts** – With respect to an action required to be attempted or taken by a Party under the Small Generator Interconnection Procedures, efforts that are timely and consistent with Good Utility Practice and are otherwise substantially equivalent to those a Party would use to protect its own interests.

**Small Generating Facility** – The Interconnection Customer's device for the production of electricity identified in the Interconnection Request. The Small Generating Facility shall be no larger than 20 MW, and shall not include the Interconnection Customer's Interconnection Facilities.

**Study Process** – The procedure for evaluating an Interconnection Request that includes the section 3 scoping meeting, feasibility study, system impact study, and facilities study.

**Transmission Owner** – The entity that owns, leases or otherwise possesses an interest in the portion of the Transmission System at the Point of Interconnection and may be a Party to the Small Generator Interconnection Agreement to the extent necessary.

**Transmission Provider** – The public utility (or its designated agent) that owns, controls, or operates transmission or distribution facilities used for the transmission of electricity in interstate commerce and provides transmission service under the Tariff. The term Transmission Provider should be read to include the Transmission Owner when the Transmission Owner is separate from the Transmission Provider.

**Transmission System** – The facilities owned, controlled or operated by the Transmission Provider or the Transmission Owner that are used to provide transmission service under the Tariff.

**Upgrades** – The required additions and modifications to the Transmission Provider's Transmission System at or beyond the Point of Interconnection. Upgrades may be Network Upgrades or Distribution Upgrades. Upgrades do not include Interconnection Facilities.



**Attachment 2**

**SMALL GENERATOR INTERCONNECTION REQUEST  
(Application Form)**

**Transmission Provider:** \_\_\_\_\_

Designated Contact Person:

\_\_\_\_\_

Address:

\_\_\_\_\_

Telephone Number:

\_\_\_\_\_

Fax:

\_\_\_\_\_

E-Mail Address:

\_\_\_\_\_

An Interconnection Request is considered complete when it provides all applicable and correct information required below. Per SGIP section 1.5, documentation of site control must be submitted with the Interconnection Request.

**Preamble and Instructions**

An Interconnection Customer who requests a Federal Energy Regulatory Commission jurisdictional interconnection must submit this Interconnection Request by hand delivery, mail, e-mail, or fax to Transmission Provider.

**Deposit:**

Interconnection Customer shall submit to Transmission Provider a deposit of \$2,500 towards the costs of the scoping meeting and the feasibility study.

**Interconnection Customer Information**

Legal Name of Interconnection Customer (or, if an individual, individual's name)

Name:

Contact Person:

Mailing Address:

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Facility Location (if different from above):

Telephone (Day): \_\_\_\_\_ Telephone (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Alternative Contact Information (if different from Interconnection Customer)

Contact Name:

Title:

Address:

\_\_\_\_\_

Telephone (Day): \_\_\_\_\_ Telephone (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Application is for: \_\_\_\_\_ New Small Generating Facility  
\_\_\_\_\_ Capacity addition to Existing Small Generating Facility

If capacity addition to existing facility, please describe:

\_\_\_\_\_

Will the Small Generating Facility be used for any of the following?

Net Metering? Yes \_\_ No \_\_\_\_  
To Supply Power to Interconnection Customer? Yes \_\_ No \_\_\_\_ To Supply Power to  
Others? Yes \_\_\_\_\_ No \_\_\_\_

For installations at locations with existing electric service to which the proposed Small Generating Facility will interconnect, provide:

\_\_\_\_\_

\_\_\_\_\_

(Local Electric Service Provider\*)

(Existing Account Number\*)

[\*To be provided by Interconnection Customer if the local electric service provider is different from Transmission Provider]

Contact Name:

\_\_\_\_\_

Title:

\_\_\_\_\_

Address:

\_\_\_\_\_

\_\_\_\_\_

Telephone (Day): \_\_\_\_\_ Telephone (Evening): \_\_\_\_\_

Fax: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Requested Point of Interconnection:

Interconnection Customer's Requested In-Service Date:

**Small Generating Facility Information**

Data apply only to the Small Generating Facility, not the Interconnection Facilities.

Energy Source: \_\_\_ Solar \_\_\_ Wind \_\_\_ Hydro \_\_\_ Hydro Type (e.g. Run-of-River):  
Diesel \_\_\_ Natural Gas \_\_\_ Fuel Oil \_\_\_ Other (state type)

\_\_\_\_\_

Prime Mover: \_\_\_ Fuel Cell \_\_\_ Recip Engine \_\_\_ Gas Turb \_\_\_ Steam  
\_\_\_ Microturbine \_\_\_ PV \_\_\_ Turb \_\_\_ Other

Type of Generator: \_\_\_ Synchronous \_\_\_ Induction \_\_\_ Inverter

Generator Nameplate Rating: \_\_\_\_\_ kW (Typical)      Generator Nameplate kVAR: \_\_\_\_\_

Interconnection Customer or Customer-Site Load: \_\_\_\_\_ kW (if

none, so state) Typical Reactive Load (if known): \_\_

Maximum Physical Export Capability Requested: \_\_\_\_\_ kW

Generator (or solar collector)  
Manufacturer, Model Name & Number: \_\_\_\_\_

Version Number: \_\_\_\_\_

Nameplate Output Power Rating in kW: (Summer) \_\_\_\_\_ (Winter) \_\_\_\_\_

Nameplate Output Power Rating in kVA: (Summer) \_\_\_\_\_ (Winter) \_\_\_\_\_

Individual Generator Power Factor  
Rated Power Factor: Leading: \_\_\_\_\_ Lagging: \_\_\_\_\_

Total Number of Generators in wind farm to be interconnected pursuant to this  
Interconnection Request: \_\_\_\_\_ Elevation: \_\_\_\_\_      \_\_\_ Single phase    \_\_\_ Three  
phase

Inverter Manufacturer, Model Name & Number (if used):  
\_\_\_\_\_

List of adjustable set points for the protective equipment or software: \_\_\_\_\_

Note: A completed Power Systems Load Flow data sheet must be supplied with the  
Interconnection Request.

Small Generating Facility Characteristic Data (for inverter-based machines)

Max design fault contribution current: \_\_\_\_\_      Instantaneous \_\_\_ or RMS? \_\_\_\_\_

Harmonics Characteristics: \_\_\_\_\_

Start-up requirements: \_\_\_\_\_

Small Generating Facility Characteristic Data (for rotating machines)

RPM Frequency: \_\_\_\_\_  
(\* Neutral Grounding Resistor (If Applicable): \_\_\_\_\_

Synchronous Generators:

Direct Axis Synchronous Reactance,  $X_d$ : \_\_\_\_\_ P.U. Direct Axis Transient Reactance,  $X'_d$ : \_\_\_\_\_ P.U.  
 Direct Axis Subtransient Reactance,  $X''_d$ : \_\_\_\_\_ P.U. Negative Sequence Reactance,  $X_2$ : \_\_\_\_\_ P.U.  
 Zero Sequence Reactance,  $X_0$ : \_\_\_\_\_ P.U. KVA Base: \_\_\_\_\_  
 Field Volts: \_\_\_\_\_ Field Amperes: \_\_\_\_\_

Induction Generators:

Motoring Power (kW): \_\_\_\_\_  
 $I^2t$  or K (Heating Time Constant): \_\_\_\_\_ Rotor Resistance,  $R_r$ : \_\_\_\_\_  
 Stator Resistance,  $R_s$ : \_\_\_\_\_ Stator Reactance,  $X_s$ : \_\_\_\_\_ Rotor Reactance,  $X_r$ : \_\_\_\_\_  
 Magnetizing Reactance,  $X_m$ : \_\_\_\_\_  
 Short Circuit Reactance,  $X_d''$ : \_\_\_\_\_ Exciting Current: \_\_\_\_\_  
 Temperature Rise: \_\_\_\_\_  
 Frame Size: \_\_\_\_\_ Design Letter: \_\_\_\_\_  
 Reactive Power Required In Vars (No Load): \_\_\_\_\_ Reactive Power Required In Vars (Full Load): \_\_\_\_\_  
 Total Rotating Inertia, H: \_\_\_\_\_ Per Unit on kVA Base

Note: Please contact Transmission Provider prior to submitting the Interconnection Request to determine if the specified information above is required.

Excitation and Governor System Data for Synchronous Generators Only

Provide appropriate IEEE model block diagram of excitation system, governor system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be substituted.

**Interconnection Facilities Information**

Will a transformer be used between the generator and the point of common coupling? \_\_\_\_\_ Yes \_\_\_\_\_ No Will the transformer be provided by Interconnection Customer? \_\_\_\_\_ Yes \_\_\_\_\_ No

Transformer Data (If Applicable, for Interconnection Customer-Owned Transformer):

Is the transformer: \_\_\_ single phase \_\_\_ three phase? Size: \_\_\_\_\_ kVA  
 Transformer Impedance: \_\_\_\_\_% on \_\_\_\_\_ kVA Base

If Three Phase:

Transformer Primary: \_\_\_ Volts \_\_\_ Delta \_\_\_ Wye \_\_\_ Wye  
 Grounded Transformer Secondary: \_\_\_ Volts \_\_\_ Delta \_\_\_ Wye \_\_\_ Wye  
 Grounded Transformer Tertiary: \_\_\_ Volts \_\_\_ Delta \_\_\_ Wye \_\_\_ Wye  
 Grounded

Transformer Fuse Data (If Applicable, for Interconnection Customer-Owned Fuse):

(Attach copy of fuse manufacturer's Minimum Melt and Total Clearing Time-Current

Curves) Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_ Size: \_\_\_\_\_ Speed: \_\_\_\_\_

Interconnecting Circuit Breaker (if applicable):

Manufacturer: \_\_\_\_\_ Type: \_\_\_\_\_  
 Load Rating (Amps): \_\_\_\_\_ Interrupting Rating (Amps): \_\_\_\_\_ Trip Speed (Cycles): \_\_\_\_\_

Interconnection Protective Relays (If Applicable):

If Microprocessor-Controlled:

List of Functions and Adjustable Setpoints for the protective equipment or software:

Setpoint Function	Minimum	Maximum
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____

5. \_\_\_\_\_

6. \_\_\_\_\_

If Discrete Components:

(Enclose Copy of any Proposed Time-Overcurrent Coordination Curves)

Manufacturer:\_\_\_\_\_Type:\_\_\_\_\_Style/Catalog No.:\_\_\_\_\_Proposed Setting:

Manufacturer:\_\_\_\_\_Type:\_\_\_\_\_Style/Catalog No.:\_\_\_\_\_Proposed Setting:

Manufacturer:\_\_\_\_\_Type:\_\_\_\_\_Style/Catalog No.:\_\_\_\_\_Proposed Setting:

Manufacturer:\_\_\_\_\_Type:\_\_\_\_\_Style/Catalog No.:\_\_\_\_\_Proposed Setting:

Manufacturer:\_\_\_\_\_Type:\_\_\_\_\_Style/Catalog No.:\_\_\_\_\_Proposed Setting:

Current Transformer Data (If Applicable):

(Enclose Copy of Manufacturer's Excitation and Ratio Correction Curves)

Manufacturer: \_\_\_\_\_  
Type: \_\_\_\_\_ Accuracy Class: \_\_ Proposed Ratio Connection: \_\_

Manufacturer: \_\_\_\_\_  
Type: \_\_\_\_\_ Accuracy Class: \_\_ Proposed Ratio Connection: \_\_

Potential Transformer Data (If Applicable):

Manufacturer: \_\_\_\_\_  
Type: \_\_\_\_\_ Accuracy Class: \_\_ Proposed Ratio Connection: \_\_

Manufacturer: \_\_\_\_\_  
Type: \_\_\_\_\_ Accuracy Class: \_\_ Proposed Ratio Connection: \_\_

**General Information**

Enclose copy of site electrical one-line diagram showing the configuration of all Small Generating Facility equipment, current and potential circuits, and protection and control schemes. This one-line diagram must be signed and stamped by a licensed Professional Engineer if the Small Generating Facility is larger than 50 kW. Is One-Line Diagram Enclosed? \_\_\_\_\_ Yes \_\_\_ No

Enclose copy of any site documentation that indicates the precise physical location of

the proposed Small Generating Facility (e.g., USGS topographic map or other diagram or documentation).

Proposed location of protective interface equipment on property (include address if different from Interconnection Customer's address) \_\_\_\_\_

Enclose copy of any site documentation that describes and details the operation of the protection and control schemes. Is Available

Documentation Enclosed? \_\_\_\_\_ Yes \_\_\_ No

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

Are Schematic Drawings Enclosed? \_Yes\_\_\_No

**Applicant Signature**

I hereby certify that, to the best of my knowledge, all the information provided in this Interconnection Request is true and correct.

For Interconnection Customer: \_\_\_\_\_ Date: \_\_\_\_\_



**Attachment 3****Feasibility Study Agreement**

**THIS AGREEMENT** is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by and between \_\_\_\_\_, a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, ("Interconnection Customer,") and the U.S. Department of Energy, acting by and through the Bonneville Power Administration, ("Transmission Provider"). Interconnection Customer and Transmission Provider each may be referred to as a "Party," or collectively as the "Parties."

**RECITALS**

Interconnection Customer is proposing to develop a Small Generating Facility or generating capacity addition to an existing Small Generating Facility consistent with the Interconnection Request completed by Interconnection Customer on \_\_\_\_\_; and

Interconnection Customer desires to interconnect the Small Generating Facility with Transmission Provider's Transmission System; and

Interconnection Customer has requested Transmission Provider to perform a feasibility study to assess the feasibility of interconnecting the proposed Small Generating Facility with Transmission Provider's Transmission System, and of any Affected Systems;

**NOW, THEREFORE**, in consideration of and subject to the mutual covenants set forth herein the Parties agree as follows:

- 1.0 When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated or the meanings specified in the standard Small Generator Interconnection Procedures.
- 2.0 Interconnection Customer elects and Transmission Provider shall cause to be performed an interconnection feasibility study consistent with the standard Small Generator Interconnection Procedures in accordance with Transmission Provider's Open Access Transmission Tariff.
- 3.0 The scope of the feasibility study shall be subject to the assumptions set forth in Attachment A to this Agreement.
- 4.0 The feasibility study shall be based on the technical information provided by Interconnection Customer in the Interconnection Request, as may be modified as the result of the scoping meeting. Transmission Provider reserves the right to request additional technical information from Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the

feasibility study and as designated in accordance with the standard Small Generator Interconnection Procedures. If Interconnection Customer modifies its Interconnection Request, the time to complete the feasibility study may be extended by agreement of the Parties.

- 5.0 In performing the study, Transmission Provider shall rely, to the extent reasonably practicable, on existing studies of recent vintage. Interconnection Customer shall not be charged for such existing studies; however, Interconnection Customer shall be responsible for charges associated with any new study or modifications to existing studies that are reasonably necessary to perform the feasibility study.
- 6.0 The feasibility study report shall provide the following analyses for the purpose of identifying any potential adverse system impacts that would result from the interconnection of the Small Generating Facility as proposed:
  - 6.1 Initial identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection;
  - 6.2 Initial identification of any thermal overload or voltage limit violations resulting from the interconnection;
  - 6.3 Initial review of grounding requirements and electric system protection; and
  - 6.4 Description and non-binding estimated cost of facilities required to interconnect the proposed Small Generating Facility and to address the identified short circuit and power flow issues.
- 7.0 The feasibility study shall model the impact of the Small Generating Facility regardless of purpose in order to avoid the further expense and interruption of operation for reexamination of feasibility and impacts if Interconnection Customer later changes the purpose for which the Small Generating Facility is being installed.
- 8.0 The study shall include the feasibility of any interconnection at a proposed project site where there could be multiple potential Points of Interconnection, as requested by Interconnection Customer and at Interconnection Customer's cost.
- 9.0 A deposit of the good faith estimated feasibility study costs or \$5,000, whichever is greater, shall be required from Interconnection Customer prior to the initiation of study work.
- 10.0 Once the feasibility study is completed, a feasibility study report shall be prepared and transmitted to Interconnection Customer. Transmission Provider shall use Reasonable Efforts to complete the feasibility study and transmit the feasibility study report to Interconnection Customer within 30 Business Days of Interconnection Customer's agreement to conduct a feasibility study.

- 11.0 Any study fees shall be based on Transmission Provider's actual costs and will be invoiced to Interconnection Customer along with a summary of professional time.
- 12.0 Interconnection Customer must pay any study costs that exceed the deposit without interest within 30 calendar days on receipt of the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, Transmission Provider shall use Reasonable Efforts to refund such excess within 30 calendar days of the invoice without interest.
- 13.0 Governing Law, Regulatory Authority, and Rules  
The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by federal law, as applicable. This Agreement is subject to all Applicable Laws and Regulations. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.
- 14.0 Amendment  
The Parties may amend this Agreement by a written instrument duly executed by both Parties.
- 15.0 No Third-Party Beneficiaries  
This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.
- 16.0 Waiver
- 16.1 The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.
- 16.2 Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of Interconnection Customer's legal rights to obtain an interconnection from Transmission Provider. Any waiver of this Agreement shall, if requested, be provided in writing.
- 17.0 Multiple Counterparts  
This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.
- 18.0 No Partnership  
This Agreement shall not be interpreted or construed to create an association, joint

venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party. Neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

19.0 Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

20.0 Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

20.1 The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Party for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall Transmission Provider be liable for the actions or inactions of Interconnection Customer or its subcontractors with respect to obligations of Interconnection Customer under this Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

20.2 The obligations under this article will not be limited in any way by any limitation of subcontractor's insurance.

**Signatures**

This Agreement may be executed in several counterparts, all of which taken together will constitute one single agreement, and may be executed by electronic signature and delivered electronically. The Parties have executed this Agreement as of the last date indicated below.

(INTERCONNECTION CUSTOMER NAME) UNITED STATES OF AMERICA  
Department of Energy  
Bonneville Power Administration

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: Transmission Account Executive

If opting out of the electronic signature:

By: \_\_\_\_\_

Name: \_\_\_\_\_  
*(Print/Type)*

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**Attachment A to  
Feasibility Study Agreement**

**Assumptions Used in Conducting the Feasibility Study**

The feasibility study will be based upon the information set forth in the Interconnection Request and agreed upon in the scoping meeting held on \_\_\_\_\_:

- 1) Designation of Point of Interconnection and configuration to be studied.
  
- 2) Designation of alternative Points of Interconnection and configuration.

1) and 2) are to be completed by Interconnection Customer. Other assumptions (listed below) are to be provided by Interconnection Customer and Transmission Provider.

**Attachment 4****System Impact Study Agreement**

**THIS AGREEMENT** is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by and between \_\_\_\_\_, a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, ("Interconnection Customer,") and the U.S. Department of Energy, acting by and through the Bonneville Power Administration, ("Transmission Provider"). Interconnection Customer and Transmission Provider each may be referred to as a "Party," or collectively as the "Parties."

**RECITALS**

Interconnection Customer is proposing to develop a Small Generating Facility or generating capacity addition to an existing Small Generating Facility consistent with the Interconnection Request completed by Interconnection Customer on \_\_\_\_\_; and

Interconnection Customer desires to interconnect the Small Generating Facility with Transmission Provider's Transmission System; and

Transmission Provider has completed a feasibility study and provided the results of said study to Interconnection Customer (This recital to be omitted if the Parties have agreed to forego the feasibility study.); and

Interconnection Customer has requested Transmission Provider to perform a system impact study(s) to assess the impact of interconnecting the Small Generating Facility with Transmission Provider's Transmission System, and of any Affected Systems;

**NOW, THEREFORE**, in consideration of and subject to the mutual covenants set forth herein the Parties agree as follows:

- 1.0 When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated or the meanings specified in the standard Small Generator Interconnection Procedures.
- 2.0 Interconnection Customer elects and Transmission Provider shall cause to be performed a system impact study(s) consistent with the standard Small Generator Interconnection Procedures in accordance with Transmission Provider's Open Access Transmission Tariff.
- 3.0 The scope of a system impact study shall be subject to the assumptions set forth in Attachment A to this Agreement.
- 4.0 A system impact study will be based upon the results of the feasibility study and the technical information provided by Interconnection Customer in the Interconnection

Request. Transmission Provider reserves the right to request additional technical information from Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the system impact study. If Interconnection Customer modifies its designated Point of Interconnection, Interconnection Request, or the technical information provided therein is modified, the time to complete the system impact study may be extended.

- 5.0 A system impact study shall consist of a short circuit analysis, a stability analysis, a power flow analysis, voltage drop and flicker studies, protection and set point coordination studies, and grounding reviews, as necessary. A system impact study shall state the assumptions upon which it is based, state the results of the analyses, and provide the requirement or potential impediments to providing the requested interconnection service, including a preliminary indication of the cost and length of time that would be necessary to correct any problems identified in those analyses and implement the interconnection. A system impact study shall provide a list of facilities that are required as a result of the Interconnection Request and non-binding good faith estimates of cost responsibility and time to construct.
- 6.0 A distribution system impact study shall incorporate a distribution load flow study, an analysis of equipment interrupting ratings, protection coordination study, voltage drop and flicker studies, protection and set point coordination studies, grounding reviews, and the impact on electric system operation, as necessary.
- 7.0 Affected Systems may participate in the preparation of a system impact study, with a division of costs among such entities as they may agree. All Affected Systems shall be afforded an opportunity to review and comment upon a system impact study that covers potential adverse system impacts on their electric systems, and Transmission Provider shall use Reasonable Efforts to complete within 20 additional Business Days a system impact study requiring review by Affected Systems.
- 8.0 If Transmission Provider uses a queuing procedure for sorting or prioritizing projects and their associated cost responsibilities for any required Network Upgrades, the system impact study shall consider all generating facilities (and with respect to paragraph 8.3 below, any identified Upgrades associated with such higher queued interconnection) that, on the date the system impact study is commenced –
  - 8.1 Are directly interconnected with Transmission Provider's electric system; or
  - 8.2 Are interconnected with Affected Systems and may have an impact on the proposed interconnection; and
  - 8.3 Have a pending higher queued Interconnection Request to interconnect with Transmission Provider's electric system.
- 9.0 If required to complete a distribution system impact study, Transmission Provider shall use Reasonable Efforts to complete the study and transmit the results to Interconnection Customer within 30 Business Days after this Agreement is signed by the Parties. If required to complete a transmission system impact study, Transmission Provider shall



use Reasonable Efforts to complete the study and transmit the results to Interconnection Customer within 45 Business Days after this Agreement is signed by the Parties, or in accordance with Transmission Provider's queuing procedures.

- 10.0 A deposit of the equivalent of the good faith estimated cost of a distribution system impact study and the good faith estimated cost of a transmission system impact study shall be required from Interconnection Customer prior to the initiation of study work.
- 11.0 Any study fees shall be based on Transmission Provider's actual costs and will be invoiced to Interconnection Customer along with a summary of professional time.
- 12.0 Interconnection Customer must pay any study costs that exceed the deposit without interest within 30 calendar days on receipt of the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, Transmission Provider shall use Reasonable Efforts to refund such excess within 30 calendar days of the invoice without interest.
- 13.0 Governing Law, Regulatory Authority, and Rules  
The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by federal law. This Agreement is subject to all Applicable Laws and Regulations. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.
- 14.0 Amendment  
The Parties may amend this Agreement by a written instrument duly executed by both Parties.
- 15.0 No Third-Party Beneficiaries  
This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.
- 16.0 Waiver
- 16.1 The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.
- 16.2 Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of Interconnection Customer's legal rights to obtain an interconnection from Transmission Provider. Any waiver of this Agreement shall, if requested, be provided in writing.

17.0 Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

18.0 No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party. Neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

19.0 Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

20.0 Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

20.1 The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Party for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall Transmission Provider be liable for the actions or inactions of Interconnection Customer or its subcontractors with respect to obligations of Interconnection Customer under this Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

20.2 The obligations under this article will not be limited in any way by any limitation of subcontractor's insurance.

**Signatures**

This Agreement may be executed in several counterparts, all of which taken together will constitute one single agreement, and may be executed by electronic signature and delivered electronically. The Parties have executed this Agreement as of the last date indicated below.

(INTERCONNECTION CUSTOMER NAME)      UNITED STATES OF AMERICA  
Department of Energy  
Bonneville Power Administration

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: Transmission Account Executive

If opting out of the electronic signature:

By: \_\_\_\_\_

Name: \_\_\_\_\_  
*(Print/Type)*

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**Attachment A to System  
Impact Study Agreement**

**Assumptions Used in Conducting the System Impact Study**

The system impact study shall be based upon the results of the feasibility study, subject to any modifications in accordance with the standard Small Generator Interconnection Procedures, and the following assumptions:

- 1) Designation of Point of Interconnection and configuration to be studied.
  
- 2) Designation of alternative Points of Interconnection and configuration.

1) and 2) are to be completed by Interconnection Customer. Other assumptions (listed below) are to be provided by Interconnection Customer and Transmission Provider.

## Attachment 5

### Facilities Study Agreement

**THIS AGREEMENT** is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_, by and between \_\_\_\_\_, a \_\_\_\_\_ organized and existing under the laws of the State of \_\_\_\_\_, ("Interconnection Customer,") and the U.S. Department of Energy, acting by and through the Bonneville Power Administration, ("Transmission Provider"). Interconnection Customer and Transmission Provider each may be referred to as a "Party," or collectively as the "Parties."

#### RECITALS

Interconnection Customer is proposing to develop a Small Generating Facility or generating capacity addition to an existing Small Generating Facility consistent with the Interconnection Request completed by Interconnection Customer on \_\_\_\_\_; and

Interconnection Customer desires to interconnect the Small Generating Facility with Transmission Provider's Transmission System; and

Transmission Provider has completed a system impact study and provided the results of said study to Interconnection Customer; and

Interconnection Customer has requested Transmission Provider to perform a facilities study to specify and estimate the cost of the equipment, engineering, procurement and construction work needed to implement the conclusions of the system impact study in accordance with Good Utility Practice to physically and electrically connect the Small Generating Facility with Transmission Provider's Transmission System.

**NOW, THEREFORE**, in consideration of and subject to the mutual covenants set forth herein the Parties agree as follows:

- 1.0 When used in this Agreement, with initial capitalization, the terms specified shall have the meanings indicated or the meanings specified in the standard Small Generator Interconnection Procedures.
- 2.0 Interconnection Customer elects and Transmission Provider shall cause a facilities study consistent with the standard Small Generator Interconnection Procedures to be performed in accordance with Transmission Provider's Open Access Transmission Tariff.
- 3.0 The scope of the facilities study shall be subject to data provided in Attachment A to this Agreement.
- 4.0 The facilities study shall specify and provide a non-binding good faith estimate of the

cost of the equipment, engineering, procurement and construction work (including overheads) needed to implement the conclusions of the system impact study(s). The facilities study shall also identify (1) the electrical switching configuration of the equipment, including, without limitation, transformer, switchgear, meters, and other station equipment, (2) the nature and estimated cost of Transmission Provider's Interconnection Facilities and Upgrades necessary to accomplish the interconnection, and (3) an estimate of the time required to complete the construction and installation of such facilities.

- 5.0 Transmission Provider may propose to group facilities required for more than one Interconnection Customer in order to minimize facilities costs through economies of scale, but any Interconnection Customer may require the installation of facilities required for its own Small Generating Facility if it is willing to pay the costs of those facilities.
- 6.0 A deposit of the good faith estimated facilities study costs shall be required from Interconnection Customer prior to the initiation of study work.
- 7.0 In cases where Upgrades are required, Transmission Provider shall use Reasonable Efforts to complete the facilities study within 45 Business Days of the receipt of this Agreement. In cases where no Upgrades are necessary, and the required facilities are limited to Interconnection Facilities, Transmission Provider shall use Reasonable Efforts to complete the facilities study within 30 Business Days.
- 8.0 Once the facilities study is completed, a facilities study report shall be prepared and transmitted to Interconnection Customer. Transmission Provider shall use Reasonable Efforts to complete the facilities study and transmit the facilities study report to Interconnection Customer within 30 Business Days of Interconnection Customer's agreement to conduct a facilities study.
- 9.0 Any study fees shall be based on Transmission Provider's actual costs and will be invoiced to Interconnection Customer along with a summary of professional time.
- 10.0 Interconnection Customer must pay any study costs that exceed the deposit without interest within 30 calendar days on receipt of the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, Transmission Provider shall use Reasonable Efforts to refund such excess within 30 calendar days of the invoice without interest.
- 11.0 Governing Law, Regulatory Authority, and Rules  
The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by federal law. This Agreement is subject to all Applicable Laws and Regulations. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

12.0 Amendment

The Parties may amend this Agreement by a written instrument duly executed by both Parties.

13.0 No Third-Party Beneficiaries

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.

14.0 Waiver

14.1 The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.

14.2 Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of Interconnection Customer's legal rights to obtain an interconnection from Transmission Provider. Any waiver of this Agreement shall, if requested, be provided in writing.

15.0 Multiple Counterparts

This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

16.0 No Partnership

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party. Neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

17.0 Severability

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

18.0 Subcontractors

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement;

provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

18.1 The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Party for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall Transmission Provider be liable for the actions or inactions of Interconnection Customer or its subcontractors with respect to obligations of Interconnection Customer under this Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

18.2 The obligations under this article will not be limited in any way by any limitation of subcontractor’s insurance.

**Signatures**

This Agreement may be executed in several counterparts, all of which taken together will constitute one single agreement, and may be executed by electronic signature and delivered electronically. The Parties have executed this Agreement as of the last date indicated below.

(INTERCONNECTION CUSTOMER NAME) UNITED STATES OF AMERICA  
Department of Energy  
Bonneville Power Administration

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: Transmission Account Executive

If opting out of the electronic signature:

By: \_\_\_\_\_

Name: \_\_\_\_\_  
(Print/Type)

Title: \_\_\_\_\_

Date: \_\_\_\_\_



**Attachment A to  
Facilities Study Agreement**

**Data to Be Provided by Interconnection Customer  
with the Facilities Study Agreement**

Provide location plan and simplified one-line diagram of the plant and station facilities. For staged projects, please indicate future generation, transmission circuits, etc.

On the one-line diagram, indicate the generation capacity attached at each metering location. (Maximum load on CT/PT)

On the one-line diagram, indicate the location of auxiliary power. (Minimum load on CT/PT) Amps

One set of metering is required for each generation connection to the new ring bus or existing Transmission Provider station. Number of generation connections: \_\_\_\_\_

Will an alternate source of auxiliary power be available during CT/PT maintenance?  
Yes \_\_\_\_\_ No \_\_\_\_\_

Will a transfer bus on the generation side of the metering require that each meter set be designed for the total plant generation? Yes \_\_\_\_\_ No \_\_\_\_\_  
(Please indicate on the one-line diagram).

What type of control system or PLC will be located at the Small Generating Facility?

\_\_\_\_\_  
\_\_\_\_\_

What protocol does the control system or PLC use?

\_\_\_\_\_  
\_\_\_\_\_

Please provide a 7.5-minute quadrangle map of the site. Indicate the plant, station, transmission line, and property lines.

Physical dimensions of the proposed interconnection station:

\_\_\_\_\_

Bus length from generation to interconnection station:

---

Line length from interconnection station to Transmission Provider's Transmission System.

---

Tower number observed in the field. (Painted on tower leg)\*:

---

Number of third party easements required for transmission lines\*:

---

\* To be completed in coordination with Transmission Provider.

Is the Small Generating Facility located in Transmission Provider's service area?

Yes \_\_\_\_\_ No \_\_\_\_\_ If No, please provide name of local provider:

---

Please provide the following proposed schedule dates:

Begin Construction Date: \_\_\_\_\_

Generator step-up transformers receive back feed power Date: \_\_\_\_\_

Generation Testing Date: \_\_\_\_\_

Commercial Operation

**SMALL GENERATOR  
INTERCONNECTION AGREEMENT (SGIA)**

**(For Generating Facilities No Larger Than 20 MW)**

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**THIS SMALL GENERATOR INTERCONNECTION AGREEMENT**

("Agreement") is made and entered into this \_\_ day of \_\_\_\_\_ 20\_\_, by and between \_\_\_\_\_, a \_\_\_\_\_ organized and existing under the laws of the State/Commonwealth of \_\_\_\_\_, ("Interconnection Customer") and the U.S. Department of Energy, acting by and through the Bonneville Power Administration, ("Transmission Provider). Interconnection Customer and Transmission Provider each may be referred to as a "Party" or collectively as the "Parties.

**RECITALS**

Transmission Provider operates the Transmission System;

Interconnection Customer intends to own, lease and/or control and operate the Generating Facility identified as a Small Generating Facility;

Interconnection Customer and Transmission Provider have agreed to enter into this Agreement for the purpose of interconnecting the Small Generating Facility with Transmission Provider System;

**NOW, THEREFORE**, in consideration of and subject to the mutual covenants set forth herein the Parties agree as follows:

**Article 1. Scope and Limitations of Agreement****1.1 Applicability**

This Agreement shall be used for all Interconnection Requests submitted under the Small Generator Interconnection Procedures (SGIP).

**1.2 Purpose**

This Agreement governs the terms and conditions under which Interconnection Customer's Small Generating Facility will interconnect with, and operate in parallel with, Transmission Provider's Transmission System.

**1.3 No Agreement to Purchase or Deliver Power**

This Agreement does not constitute an agreement to purchase or deliver Interconnection Customer's power. The purchase or delivery of power and other services that Interconnection Customer may require will be covered under separate agreements, if any. Interconnection Customer will be responsible for separately making all necessary arrangements (including scheduling) for delivery of electricity with the applicable Transmission Provider.

**1.4 Limitation**

Nothing in this Agreement is intended to affect any other agreement between Transmission Provider and Interconnection Customer.

## **1.5 Responsibilities of the Parties**

**1.5.1** Intentionally Omitted.

**1.5.2** The Parties shall perform all obligations of this Agreement in accordance with all Applicable Laws and Regulations, Operating Requirements, and Good Utility Practice.

**1.5.3** Interconnection Customer shall construct, interconnect, operate and maintain its Small Generating Facility and construct, operate, and maintain its Interconnection Facilities in accordance with the applicable manufacturer's recommended maintenance schedule, and in accordance with this Agreement, and with Good Utility Practice.

**1.5.4** Transmission Provider shall construct, operate, and maintain its Transmission System and Interconnection Facilities in accordance with this Agreement, and with Good Utility Practice.

**1.5.5** Interconnection Customer agrees to construct its facilities or systems in accordance with applicable specifications that meet or exceed those provided by the National Electrical Safety Code, the American National Standards Institute, IEEE, Underwriter's Laboratory, and Operating Requirements in effect at the time of construction and other applicable national and state codes and standards. Interconnection Customer agrees to design, install, maintain, and operate its Small Generating Facility so as to reasonably minimize the likelihood of a disturbance adversely affecting or impairing the system or equipment of Transmission Provider and any Affected Systems.

**1.5.6** Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for the facilities that it now or subsequently may own unless otherwise specified in the Attachments to this Agreement. Each Party shall be responsible for the safe installation, maintenance, repair and condition of their respective lines and appurtenances on their respective sides of the point of change of ownership. Transmission Provider and Interconnection Customer, as appropriate, shall provide Interconnection Facilities that adequately protect Transmission Provider's Transmission System, personnel, and other persons from damage and injury. The allocation of responsibility for the design, installation, operation, maintenance and ownership of Interconnection Facilities shall be delineated in the Attachments to this Agreement.

**1.5.7** Transmission Provider shall coordinate with all Affected Systems to support the interconnection.

## **1.6 Parallel Operation Obligations**

Once the Small Generating Facility has been authorized to commence parallel operation, Interconnection Customer shall abide by all rules and procedures pertaining to the parallel operation of the Small Generating Facility in the applicable control area, including, but not limited to; (1) the rules and procedures concerning the operation of

generation set forth in the Tariff or by the applicable system operator(s) for Transmission Provider's Transmission System and; (2) the Operating Requirements set forth in Attachment 5 of this Agreement.

### **1.7 Metering**

Interconnection Customer shall be responsible for Transmission Provider's reasonable and necessary cost for the purchase, installation, operation, maintenance, testing, repair, and replacement of metering and data acquisition equipment specified in Attachments 2 and 3 of this Agreement. Interconnection Customer's metering (and data acquisition, as required) equipment shall conform to applicable industry rules and Operating Requirements.

### **1.8 Reactive Power**

**1.8.1** Interconnection Customer shall design its Small Generating Facility to maintain a composite power delivery at continuous rated power output at the Point of Interconnection at a power factor within the range of 0.95 leading to 0.95 lagging, unless Transmission Provider has established different requirements that apply to all similarly situated generators in the control area on a comparable basis. The requirements of this paragraph shall not apply to wind generators.

**1.8.2** Transmission Provider is required to pay Interconnection Customer for reactive power that Interconnection Customer provides or absorbs from the Small Generating Facility when Transmission Provider requests Interconnection Customer to operate its Small Generating Facility outside the range specified in article 1.8.1. In addition, if Transmission Provider pays its own or affiliated generators for reactive power service within the specified range, it must also pay Interconnection Customer.

**1.8.3** Payments shall be in accordance with Interconnection Customer's applicable rate schedule then in effect unless the provision of such service(s) is subject to a regional transmission organization or independent system operator FERC-approved rate schedule. To the extent that no rate schedule is in effect at the time Interconnection Customer is required to provide or absorb reactive power under this Agreement, the Parties agree to expeditiously file such rate schedule and agree to support any request for waiver of the Commission's prior notice requirement in order to compensate Interconnection Customer from the time service commenced.

**1.9** Capitalized terms used herein shall have the meanings specified in the Glossary of Terms in Attachment 1 or the body of this Agreement.



**Article 2. Inspection, Testing, Authorization, and Right of Access****2.1 Equipment Testing and Inspection**

**2.1.1** Interconnection Customer shall test and inspect its Small Generating Facility and Interconnection Facilities prior to interconnection. Interconnection Customer shall notify Transmission Provider of such activities no fewer than five Business Days (or as may be agreed to by the Parties) prior to such testing and inspection. Testing and inspection shall occur on a Business Day. Transmission Provider may, at Interconnection Customer's expense, send qualified personnel to the Small Generating Facility site to inspect the interconnection and observe the testing. Interconnection Customer shall provide Transmission Provider a written test report when such testing and inspection is completed.

**2.1.2** Transmission Provider shall provide Interconnection Customer written acknowledgment that it has received Interconnection Customer's written test report. Such written acknowledgment shall not be deemed to be or construed as any representation, assurance, guarantee, or warranty by Transmission Provider of the safety, durability, suitability, or reliability of the Small Generating Facility or any associated control, protective, and safety devices owned or controlled by Interconnection Customer or the quality of power produced by the Small Generating Facility.

**2.2 Authorization Required Prior to Parallel Operation**

**2.2.1** Transmission Provider shall use Reasonable Efforts to list applicable parallel operation requirements in Attachment 5 of this Agreement. Additionally, Transmission Provider shall notify Interconnection Customer of any changes to these requirements as soon as they are known. Transmission Provider shall make Reasonable Efforts to cooperate with Interconnection Customer in meeting requirements necessary for Interconnection Customer to commence parallel operations by the in-service date.

**2.2.2** Interconnection Customer shall not operate its Small Generating Facility in parallel with Transmission Provider's Transmission System without prior written authorization of Transmission Provider. Transmission Provider will provide such authorization once Transmission Provider receives notification that Interconnection Customer has complied with all applicable parallel operation requirements. Such authorization shall not be unreasonably withheld, conditioned, or delayed.

**2.3 Right of Access**

**2.3.1** Upon reasonable notice, Transmission Provider may send a qualified person to the premises of Interconnection Customer at or immediately before the time the Small Generating Facility first produces energy to inspect the interconnection, and observe the commissioning of the Small Generating Facility (including any required testing), startup, and operation for a period of up to three Business Days

after initial start-up of the unit. In addition, Interconnection Customer shall notify Transmission Provider at least five Business Days prior to conducting any on-site verification testing of the Small Generating Facility.

**2.3.2** Following the initial inspection process described above, at reasonable hours, and upon reasonable notice, or at any time without notice in the event of an emergency or hazardous condition, Transmission Provider shall have access to Interconnection Customer's premises for any reasonable purpose in connection with the performance of the obligations imposed on it by this Agreement or if necessary to meet its legal obligation to provide service to its customers.

**2.3.3** Each Party shall be responsible for its own costs associated with following this article.

### **Article 3. Effective Date, Term, Termination, and Disconnection**

#### **3.1 Effective Date**

This Agreement shall become effective upon execution by the Parties.

#### **3.2 Term of Agreement**

This Agreement shall become effective on the Effective Date and shall remain in effect for a period of ten years from the Effective Date or such other longer period as Interconnection Customer may request and shall be automatically renewed for each successive one-year period thereafter, unless terminated earlier in accordance with article 3.3 of this Agreement.

#### **3.3 Termination**

No termination shall become effective until the Parties have complied with all Applicable Laws and Regulations applicable to such termination.

**3.3.1** Interconnection Customer may terminate this Agreement at any time by giving Transmission Provider 20 Business Days written notice.

**3.3.2** Transmission Provider may terminate this Agreement if the Small Generating Facility has ceased operation for three consecutive years, beginning on the last date of operation for the Small Generating Facility, after giving Interconnection Customer 20 Business Days advance written notice.

**3.3.3** Either Party may terminate this Agreement after Default pursuant to article 7.6.

**3.3.4** Upon termination of this Agreement, the Small Generating Facility will be disconnected from Transmission Provider's Transmission System. All costs required to effectuate such disconnection shall be borne by the terminating Party, unless such termination resulted from the non-terminating Party's Default of this

SGIA or such non-terminating Party otherwise is responsible for these costs under this SGIA.

**3.3.5** The termination of this Agreement shall not relieve either Party of its liabilities and obligations, owed or continuing at the time of the termination.

**3.3.6** The provisions of this article shall survive termination or expiration of this Agreement.

### **3.4 Temporary Disconnection**

Temporary disconnection shall continue only for so long as reasonably necessary under Good Utility Practice.

#### **3.4.1 Emergency Conditions**

"Emergency Condition" shall mean a condition or situation: (1) that in the judgment of the Party making the claim is imminently likely to endanger life or property; or (2) that, in the case of Transmission Provider, is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to the Transmission System, Transmission Provider's Interconnection Facilities or the Transmission Systems of others to which the Transmission System is directly connected; or (3) that, in the case of Interconnection Customer, is imminently likely (as determined in a non-discriminatory manner) to cause a material adverse effect on the security of, or damage to, the Small Generating Facility or Interconnection Customer's Interconnection Facilities. Under Emergency Conditions, Transmission Provider may immediately suspend interconnection service and temporarily disconnect the Small Generating Facility. Transmission Provider shall notify Interconnection Customer promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect Interconnection Customer's operation of the Small Generating Facility. Interconnection Customer shall notify Transmission Provider promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect Transmission Provider's Transmission System or any Affected Systems. To the extent information is known, the notification shall describe the Emergency Condition, the extent of the damage or deficiency, the expected effect on the operation of both Parties' facilities and operations, its anticipated duration, and the necessary corrective action.

#### **3.4.2 Routine Maintenance, Construction, and Repair**

Transmission Provider may interrupt interconnection service or curtail the output of the Small Generating Facility and temporarily disconnect the Small Generating Facility from Transmission Provider's Transmission System when necessary for routine maintenance, construction, and repairs on Transmission Provider's Transmission System. Transmission Provider shall use Reasonable Efforts to provide Interconnection Customer with five Business Days notice prior to such interruption. Transmission Provider shall use Reasonable Efforts to coordinate such reduction or temporary disconnection with Interconnection Customer.

**3.4.3 Forced Outages**

During any forced outage, Transmission Provider may suspend interconnection service to effect immediate repairs on Transmission Provider's Transmission System. Transmission Provider shall use Reasonable Efforts to provide Interconnection Customer with prior notice. If prior notice is not given, Transmission Provider shall, upon request, provide Interconnection Customer written documentation after the fact explaining the circumstances of the disconnection.

**3.4.4 Adverse Operating Effects**

Transmission Provider shall notify Interconnection Customer as soon as practicable if, based on Good Utility Practice, operation of the Small Generating Facility may cause disruption or deterioration of service to other customers served from the same electric system, or if operating the Small Generating Facility could cause damage to Transmission Provider's Transmission System or Affected Systems. Supporting documentation used to reach the decision to disconnect shall be provided to Interconnection Customer upon request. If, after notice, Interconnection Customer fails to remedy the adverse operating effect within a reasonable time, Transmission Provider may disconnect the Small Generating Facility. Transmission Provider shall use Reasonable Efforts to provide Interconnection Customer with five Business Day notice of such disconnection, unless the provisions of Article 3.4.1 apply.

**3.4.5 Modification of the Small Generating Facility**

Interconnection Customer must receive written authorization from Transmission Provider before making any change to the Small Generating Facility that may have a material impact on the safety or reliability of the Transmission System. Such authorization shall not be unreasonably withheld. Modifications shall be done in accordance with Good Utility Practice. If Interconnection Customer makes such modification without Transmission Provider's prior written authorization, the latter shall have the right to temporarily disconnect the Small Generating Facility.

**3.4.6 Reconnection**

The Parties shall cooperate with each other to restore the Small Generating Facility, Interconnection Facilities, and Transmission Provider's Transmission System to their normal operating state as soon as reasonably practicable following a temporary disconnection.

**Article 4. Cost Responsibility for Interconnection Facilities and Distribution Upgrades****4.1 Interconnection Facilities**

**4.1.1** Interconnection Customer shall pay for the cost of the Interconnection Facilities itemized in Attachment 2 of this Agreement. Transmission Provider shall provide a best estimate cost, including overheads, for the purchase and construction of its

Interconnection Facilities and provide a detailed itemization of such costs. Costs associated with Interconnection Facilities may be shared with other entities that may benefit from such facilities by agreement of Interconnection Customer, such other entities, and Transmission Provider.

- 4.1.2** Interconnection Customer shall be responsible for its share of all reasonable expenses, including overheads, associated with (1) owning, operating, maintaining, repairing, and replacing its own Interconnection Facilities, and (2) operating, maintaining, repairing, and replacing Transmission Provider's Interconnection Facilities.

#### **4.2 Distribution Upgrades**

Transmission Provider shall design, procure, construct, install, and own the Distribution Upgrades described in Attachment 6 of this Agreement. If Transmission Provider and Interconnection Customer agree, Interconnection Customer may construct Distribution Upgrades that are located on land owned by Interconnection Customer. The actual cost of the Distribution Upgrades, including overheads, shall be directly assigned to Interconnection Customer.

### **Article 5. Cost Responsibility for Network Upgrades**

#### **5.1 Applicability**

No portion of this article 5 shall apply unless the interconnection of the Small Generating Facility requires Network Upgrades.

#### **5.2 Network Upgrades**

Transmission Provider or Transmission Owner shall design, procure, construct, install, and own the Network Upgrades described in Attachment 6 of this Agreement. If Transmission Provider and Interconnection Customer agree, Interconnection Customer may construct Network Upgrades that are located on land owned by Interconnection Customer. Unless Transmission Provider elects to pay for Network Upgrades, the actual cost of the Network Upgrades, including overheads, shall be borne initially by Interconnection Customer.

##### **5.2.1 Repayment of Amounts Advanced for Network Upgrades**

Interconnection Customer shall be entitled to a cash repayment, equal to the total amount paid to Transmission Provider and Affected System Operator, if any, for Network Upgrades, to be paid to Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, as payments are made under Transmission Provider's Tariff or Affected System's Tariff for transmission services with respect to the Small Generating Facility. Any repayment shall include interest calculated at the rate for ten-year bonds posted on Bloomberg, L.P. under the United States Government Agency fair market yield curve (yield curve number 84) as in effect on the first day of the month during which Transmission Provider receives the first payment for Network Upgrades, such interest to accrue from the date of any payment for Network Upgrades through the date on which Interconnection Customer receives a repayment of such

payment pursuant to this subparagraph. Interconnection Customer may assign such repayment rights to any person.

**5.2.1.1** Notwithstanding the foregoing, Interconnection Customer, Transmission Provider, and any applicable Affected System operators may adopt any alternative payment schedule that is mutually agreeable so long as Transmission Provider and said Affected System operators take one of the following actions no later than five years from the Commercial Operation Date: (1) return to Interconnection Customer any amounts advanced for Network Upgrades not previously repaid, or (2) declare in writing that Transmission Provider or any applicable Affected System operators will continue to provide payments to Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, or develop an alternative schedule that is mutually agreeable and provides for the return of all amounts advanced for Network Upgrades not previously repaid; however, full reimbursement shall not extend beyond twenty (20) years from the commercial operation date.

**5.2.1.2** If the Small Generating Facility fails to achieve commercial operation, but it or another generating facility is later constructed and requires use of the Network Upgrades, Transmission Provider and Affected System operator shall at that time reimburse Interconnection Customer for the amounts advanced for the Network Upgrades. Before any such reimbursement can occur, Interconnection Customer, or the entity that ultimately constructs the generating facility, if different, is responsible for identifying the entity to which reimbursement must be made.

### **5.3 Special Provisions for Affected Systems**

Unless Transmission Provider provides, under this Agreement, for the repayment of amounts advanced to any applicable Affected System operators for Network Upgrades, Interconnection Customer and Affected System operator shall enter into an agreement that provides for such repayment. The agreement shall specify the terms governing payments to be made by Interconnection Customer to Affected System operator as well as the repayment by Affected System operator.

### **5.4 Rights Under Other Agreements**

Notwithstanding any other provision of this Agreement, nothing herein shall be construed as relinquishing or foreclosing any rights, including but not limited to firm transmission rights, capacity rights, transmission congestion rights, or transmission credits, that Interconnection Customer shall be entitled to, now or in the future, under any other agreement or tariff as a result of, or otherwise associated with, the transmission capacity, if any, created by the Network Upgrades, including the right to obtain cash reimbursements or transmission credits for transmission service that is not associated with the Small Generating Facility.

**Article 6. Billing, Payment, Milestones, and Financial Security****6.1 Billing and Payment Procedures and Final Accounting**

**6.1.1** Transmission Provider shall bill Interconnection Customer for the design, engineering, construction, and procurement costs of Interconnection Facilities and Upgrades contemplated by this Agreement on a monthly basis, or as otherwise agreed by the Parties. Interconnection Customer shall pay each bill within 30 calendar days of receipt, or as otherwise agreed to by the Parties.

**6.1.2** Within three months of completing the construction and installation of Transmission Provider's Interconnection Facilities and/or Upgrades described in the Attachments to this Agreement, Transmission Provider shall provide Interconnection Customer with a final accounting report of any difference between (1) Interconnection Customer's cost responsibility for the actual cost of such facilities or Upgrades, and (2) Interconnection Customer's previous aggregate payments to Transmission Provider for such facilities or Upgrades. If Interconnection Customer's cost responsibility exceeds its previous aggregate payments, Transmission Provider shall invoice Interconnection Customer for the amount due and Interconnection Customer shall make payment to Transmission Provider within 30 calendar days. If Interconnection Customer's previous aggregate payments exceed its cost responsibility under this Agreement, Transmission Provider shall refund to Interconnection Customer an amount equal to the difference within 30 calendar days of the final accounting report.

**6.2 Milestones**

The Parties shall agree on milestones for which each Party is responsible and list them in Attachment 4 of this Agreement. A Party's obligations under this provision may be extended by agreement. If a Party anticipates that it will be unable to meet a milestone for any reason other than a Force Majeure Event, it shall immediately notify the other Party of the reason(s) for not meeting the milestone and (1) propose the earliest reasonable alternate date by which it can attain this and future milestones, and (2) requesting appropriate amendments to Attachment 4. The Party affected by the failure to meet a milestone shall not unreasonably withhold agreement to such an amendment unless it will suffer significant uncompensated economic or operational harm from the delay, (2) attainment of the same milestone has previously been delayed, or (3) it has reason to believe that the delay in meeting the milestone is intentional or unwarranted notwithstanding the circumstances explained by the Party proposing the amendment.

**6.3 Financial Security Arrangements**

At least 20 Business Days prior to the commencement of the design, procurement, installation, or construction of a discrete portion of Transmission Provider's Interconnection Facilities and Upgrades, Interconnection Customer shall provide Transmission Provider, at Interconnection Customer's option, a guarantee, a surety bond, letter of credit or other form of security that is reasonably acceptable to Transmission Provider. Such security for payment shall be in an amount sufficient to cover the costs for constructing, designing, procuring, and installing the applicable portion of

Transmission Provider's Interconnection Facilities and Upgrades and shall be reduced on a dollar-for-dollar basis for payments made to Transmission Provider under this Agreement during its term. In addition:

- 6.3.1** The guarantee must be made by an entity that meets the creditworthiness requirements of Transmission Provider, and contain terms and conditions that guarantee payment of any amount that may be due from Interconnection Customer, up to an agreed-to maximum amount.
- 6.3.2** The letter of credit or surety bond must be issued by a financial institution or insurer reasonably acceptable to Transmission Provider and must specify a reasonable expiration date.

## **Article 7. Assignment, Liability, Indemnity, Force Majeure, Consequential Damages, and Default**

### **7.1 Assignment**

This Agreement may be assigned by either Party upon 15 Business Days prior written notice and opportunity to object by the other Party; provided that:

- 7.1.1** Either Party may assign this Agreement without the consent of the other Party to any affiliate of the assigning Party with an equal or greater credit rating and with the legal authority and operational ability to satisfy the obligations of the assigning Party under this Agreement, provided that Interconnection Customer promptly notifies Transmission Provider of any such assignment.
- 7.1.2** Interconnection Customer shall have the right to assign this Agreement, without the consent of Transmission Provider, for collateral security purposes to aid in providing financing for the Small Generating Facility, provided that Interconnection Customer will promptly notify Transmission Provider of any such assignment.
- 7.1.3** Any attempted assignment that violates this article is void and ineffective. Assignment shall not relieve a Party of its obligations, nor shall a Party's obligations be enlarged, in whole or in part, by reason thereof. An assignee is responsible for meeting the same financial, credit, and insurance obligations as Interconnection Customer. Where required, consent to assignment will not be unreasonably withheld, conditioned or delayed.

### **7.2 Limitation of Liability**

Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages, except as authorized by this Agreement.



### **7.3 Indemnity**

Article 7.3 applies only if, at the time of the action or inaction by a Party that gave rise to the Party's right to indemnification, either Transmission Provider or Interconnection Customer was not a party to the Agreement Limiting Liability among Western Interconnected Electric Systems.

**7.3.1** This provision protects each Party from liability incurred to third parties as a result of carrying out the provisions of this Agreement. Liability under this provision is exempt from the general limitations on liability found in article 7.2.

**7.3.2** The Parties shall at all times indemnify and hold the other Party harmless from any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the other Party's action or failure to meet its obligations under this Agreement on behalf of the indemnifying Party, except in cases of gross negligence or intentional wrongdoing by the indemnified Party.

**7.3.3** If an indemnifying party is obligated to indemnify and hold any indemnified person harmless under this article, the amount owing to the indemnified person shall be the amount of such indemnified person's actual loss, net of any insurance or other recovery.

**7.3.4** Promptly after receipt by an indemnified person of any claim or notice of the commencement of any action or administrative or legal proceeding or investigation as to which the indemnity provided for in this article may apply, the indemnified person shall notify the indemnifying party of such fact. Any failure of or delay in such notification shall not affect a Party's indemnification obligation unless such failure or delay is materially prejudicial to the indemnifying party.

### **7.4 Consequential Damages**

Other than as expressly provided for in this Agreement, neither Party shall be liable under any provision of this Agreement for any losses, damages, costs or expenses for any special, indirect, incidental, consequential, or punitive damages, including but not limited to loss of profit or revenue, loss of the use of equipment, cost of capital, cost of temporary equipment or services, whether based in whole or in part in contract, in tort, including negligence, strict liability, or any other theory of liability; provided, however, that damages for which a Party may be liable to the other Party under another agreement will not be considered to be special, indirect, incidental, or consequential damages hereunder.

### **7.5 Force Majeure**

**7.5.1** As used in this article, a Force Majeure Event shall mean "any act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood,

explosion, breakage or accident to machinery or equipment, any order, regulation or restriction imposed by governmental, military or lawfully established civilian authorities, or any other cause beyond a Party's control. A Force Majeure Event does not include an act of negligence or intentional wrongdoing."

**7.5.2** If a Force Majeure Event prevents a Party from fulfilling any obligations under this Agreement, the Party affected by the Force Majeure Event (Affected Party) shall promptly notify the other Party, either in writing or via the telephone, of the existence of the Force Majeure Event. The notification must specify in reasonable detail the circumstances of the Force Majeure Event, its expected duration, and the steps that the Affected Party is taking to mitigate the effects of the event on its performance. The Affected Party shall keep the other Party informed on a continuing basis of developments relating to the Force Majeure Event until the event ends. The Affected Party will be entitled to suspend or modify its performance of obligations under this Agreement (other than the obligation to make payments) only to the extent that the effect of the Force Majeure Event cannot be mitigated by the use of Reasonable Efforts. The Affected Party will use Reasonable Efforts to resume its performance as soon as possible.

## **7.6 Default**

**7.6.1** No Default shall exist where such failure to discharge an obligation (other than the payment of money) is the result of a Force Majeure Event as defined in this Agreement or the result of an act or omission of the other Party. Upon a Default, the non-defaulting Party shall give written notice of such Default to the defaulting Party. Except as provided in article 7.6.2, the defaulting Party shall have 60 calendar days from receipt of the Default notice within which to cure such Default; provided however, if such Default is not capable of cure within 60 calendar days, the defaulting Party shall commence such cure within 20 calendar days after notice and continuously and diligently complete such cure within six months from receipt of the Default notice; and, if cured within such time, the Default specified in such notice shall cease to exist.

**7.6.2** If a Default is not cured as provided in this article, or if a Default is not capable of being cured within the period provided for herein, the non-defaulting Party shall have the right to terminate this Agreement by written notice at any time until cure occurs, and be relieved of any further obligation hereunder and, whether or not that Party terminates this Agreement, to recover from the defaulting Party all amounts due hereunder, plus all other damages and remedies to which it is entitled at law or in equity. The provisions of this article will survive termination of this Agreement.

## **Article 8. Insurance**

**8.1** Interconnection Customer shall, at its own expense, maintain in force general liability insurance without any exclusion for liabilities related to the interconnection undertaken

pursuant to this Agreement. The amount of such insurance shall be sufficient to insure against all reasonably foreseeable direct liabilities given the size and nature of the generating equipment being interconnected, the interconnection itself, and the characteristics of the system to which the interconnection is made. Interconnection Customer shall obtain additional insurance only if necessary as a function of owning and operating a small generating facility. Such insurance shall be obtained from an insurance provider authorized to do business in the State where the interconnection is located. Certification that such insurance is in effect shall be provided upon request of Transmission Provider, except that Interconnection Customer shall show proof of insurance to Transmission Provider no later than ten Business Days prior to the anticipated commercial operation date. An Interconnection Customer of sufficient credit-worthiness may propose to self-insure for such liabilities, and such a proposal shall not be unreasonably rejected.

- 8.2** The Parties further agree to notify each other whenever an accident or incident occurs resulting in any injuries or damages that are included within the scope of coverage of such insurance, whether or not such coverage is sought.

## **Article 9. Confidentiality**

- 9.1** Confidential Information shall mean any confidential and/or proprietary information provided by one Party to the other Party that is clearly marked or otherwise designated "Confidential." For purposes of this Agreement all design, operating specifications, and metering data provided by Interconnection Customer shall be deemed Confidential Information regardless of whether it is clearly marked or otherwise designated as such.
- 9.2** Confidential Information does not include information previously in the public domain, required to be publicly submitted or divulged by Governmental Authorities (after notice to the other Party and after exhausting any opportunity to oppose such publication or release), or is otherwise required to be disclosed by law or subpoena, including the Freedom of Information Act, 5 U.S.C. § 552, as amended, or necessary to be divulged in an action to enforce this Agreement. Each Party receiving Confidential Information shall hold such information in confidence and shall not disclose it to any third party nor to the public without the prior written authorization from the Party providing that information, except to fulfill obligations under this Agreement, or to fulfill legal or regulatory requirements.
- 9.2.1** Each Party shall employ at least the same standard of care to protect Confidential Information obtained from the other Party as it employs to protect its own Confidential Information.
- 9.2.2** Each Party is entitled to equitable relief, by injunction or otherwise, to enforce its rights under this provision to prevent the release of Confidential Information

without bond or proof of damages, and may seek other remedies available at law or in equity for breach of this provision.

- 9.3** Notwithstanding anything in this article to the contrary, and pursuant to 18 CFR § 1b.20, if FERC, during the course of an investigation or otherwise, requests information from one of the Parties that is otherwise required to be maintained in confidence pursuant to this Agreement, the Party shall provide the requested information to FERC, within the time provided for in the request for information. In providing the information to FERC, the Party may, consistent with 18 CFR § 388.112, request that the information be treated as confidential and non-public by FERC and that the information be withheld from public disclosure. Parties are prohibited from notifying the other Party to this Agreement prior to the release of the Confidential Information to FERC. The Party shall notify the other Party to this Agreement when it is notified by FERC that a request to release Confidential Information has been received by FERC, at which time either of the Parties may respond before such information would be made public, pursuant to 18 CFR § 388.112. Requests from a state regulatory body conducting a confidential investigation shall be treated in a similar manner if consistent with the applicable state rules and regulations.

## **Article 10. Disputes**

- 10.1** The Parties agree to attempt to resolve all disputes arising out of the interconnection process according to the provisions of this article.
- 10.2** In the event of a dispute, such Party (“the disputing Party”) shall provide the other Party with written notice of the dispute or claim (“Notice of Dispute”). Such dispute or claim shall be referred to a designated senior representative of each Party for resolution on an informal basis as promptly as practicable after receipt of the Notice of Dispute by the other Party.
- 10.3** In the event the designated representatives are unable to resolve the claim or dispute through unassisted negotiations within thirty (30) calendar days of the other Party’s receipt of the Notice of Dispute, either Party may contact FERC’s Dispute Resolution Service (DRS) for assistance in resolving the dispute.
- 10.4** The DRS will assist the Parties in either resolving their dispute or in selecting an appropriate dispute resolution venue (e.g., mediation, settlement judge, early neutral evaluation, or technical expert) to assist the Parties in resolving their dispute. DRS can be reached at 1-877-337-2237 or via the internet at <http://www.ferc.gov/legal/adr.asp>.
- 10.5** Each Party agrees to conduct all negotiations in good faith and will be responsible for one-half of any costs paid to neutral third-parties.
- 10.6** If neither Party elects to seek assistance from the DRS or if the attempted dispute resolution fails, then either Party may exercise whatever rights and remedies it may have in equity or law consistent with the terms of this Agreement.

**Article 11. Taxes**

- 11.1** Interconnection Customer agrees to follow all applicable tax laws and regulations, consistent with FERC policy and Internal Revenue Service requirements.
- 11.2** Transmission Provider shall cooperate with Interconnection Customer to maintain Interconnection Customer's tax status.

**Article 12. Miscellaneous****12.1 Governing Law, Regulatory Authority, and Rules**

The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by federal law. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

**12.2 Amendment**

The Parties may amend this Agreement by a written instrument duly executed by both Parties.

**12.3 No Third-Party Beneficiaries**

This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.

**12.4 Waiver**

**12.4.1** The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party.

**12.4.2** Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of Interconnection Customer's legal rights to obtain an interconnection from Transmission Provider. Any waiver of this Agreement shall, if requested, be provided in writing.

**12.5 Entire Agreement**

This Agreement, including all Attachments, constitutes the entire agreement between the Parties with reference to the subject matter hereof, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this Agreement. There are no other agreements, representations, warranties, or covenants which constitute any part of the consideration for or any condition to, either Party's compliance with its obligations under this Agreement.

**12.6 Multiple Counterparts**

This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument.

**12.7 No Partnership**

This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party. Neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

**12.8 Severability**

If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

**12.9 Security Arrangements**

Infrastructure security of electric system equipment and operations and control hardware and software is essential to ensure day-to-day reliability and operational security. FERC expects all Transmission Providers, market participants, and Interconnection Customers interconnected to electric systems to comply with the recommendations offered by the President's Critical Infrastructure Protection Board and, eventually, best practice recommendations from the electric reliability authority. All public utilities are expected to meet basic standards for system infrastructure and operational security, including physical, operational, and cyber-security practices.

**12.10 Environmental Releases**

Each Party shall remediate all releases of hazardous substances brought to, or created at, real property it owns underlying the Small Generating Facility or Interconnection Facilities, and any hazardous substances migrating from real property it owns at the Small Generating Facility site. The Party that caused the release shall bear the costs of remediation, which shall meet applicable state and Federal environmental standards at the time of the remediation. Such costs may include, but are not limited to, state and Federal supervision, remedial action plans, removal and remedial actions, and negotiation of voluntary and judicial agreements required to meet such environmental standards.

**12.10.1** Each Party shall notify the other Party as promptly as practicable of any significant release of hazardous substances by the first Party. Each Party shall cooperate with the other Party in accommodating any necessary remedial

activities of the other Party with respect to property occupied by such other Party.

- 12.10.2** The Parties agree to comply fully with the substantive requirements of all applicable Federal, state and local environmental laws in the performance of their obligations hereunder, and to mitigate and abate adverse environmental impacts accordingly.

**12.11 Subcontractors**

Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement; provided, however, that each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

- 12.11.1** The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Party for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made; provided, however, that in no event shall Transmission Provider be liable for the actions or inactions of Interconnection Customer or its subcontractors with respect to obligations of Interconnection Customer under this Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

- 12.11.2** The obligations under this article will not be limited in any way by any limitation of subcontractor's insurance.

**12.12 Reservation of Rights. Intentionally Omitted.**

**Article 13. Notices****13.1 General**

Any notice or other communication related to this Agreement, shall be in writing and deemed to have been received if delivered in person, by email, by facsimile, by First Class mail or sent by overnight delivery service at the address set out below. Either Party may change its contact information by providing notice of such change to the other Party by any of the methods listed in this section 13.1. Transmission Provider shall revise this Agreement upon such notice. Revisions made solely to change contact information may be made without additional signature by the Parties.

**To Interconnection Customer:**

Interconnection Customer  
 Customer Address  
 City, State, Zip  
 Attention: Customer Contact Name  
 Title:  
 Phone:  
 Fax:  
 Email:

**To Transmission Provider:**

Attention: Transmission Account Executive  
 for Interconnection Customer - TSE/TPP-2  
 Phone: (360) 619-6016  
 Fax: (360) 619-6940  
 Email: [txsalescontracts@bpa.gov](mailto:txsalescontracts@bpa.gov)

**First Class Mail:**

Bonneville Power Administration  
 P.O. Box 61409  
 Vancouver, WA 98666-1409

**Overnight Delivery Service:**

Bonneville Power Administration  
 905 NE 11<sup>th</sup> Avenue  
 Portland, OR 97232



**13.2 Billing and Payment**

Billings and payments shall be sent to the addresses set out below:

**To Interconnection Customer:**

Interconnection Customer  
Customer Address  
City, State, Zip  
Attention: Customer Contact Name  
Title:  
Phone:  
Fax:  
Email:

**To Transmission Provider:**

Attention: Transmission Account  
Executive for Interconnection Customer –  
TSE/TPP-2  
Phone: (360) 619-6016  
Fax: (360) 619-6940  
Email: [txsalescontracts@bpa.gov](mailto:txsalescontracts@bpa.gov)

**First Class Mail**

Bonneville Power Administration  
P.O. Box 61409  
Vancouver, WA 98666-1409

**Overnight Delivery Service:**

Bonneville Power Administration  
905 NE 11<sup>th</sup> Avenue  
Portland, OR 97232

**13.3 Alternative Forms of Notice**

Any notice or request required or permitted to be given by either Party to the other and not required by this Agreement to be given in writing may be so given by telephone, facsimile or e-mail to the telephone numbers and e-mail addresses set out below:

For any service interruptions, Emergency Conditions, operating instructions, curtailments, or dispatch orders. Transmission Provider may notify Interconnection Customer through any of the following methods: (1) by electronic signal pre-arranged between Interconnection Customer and Transmission Provider, (2) by telephone, facsimile or email to the telephone numbers and email addresses set out in Articles 13.3 or 13.4, (3) by a change request to a transaction submitted according to the NERC e-Tag protocol, or (4) as otherwise agreed between Interconnection Customer and Transmission Provider. Transmission Provider is not responsible for ensuring that Interconnection Customer has the continuous ability to receive Transmission Provider's electronic signals.

**To Interconnection Customer:**

Interconnection Customer  
Customer Address  
City, State, Zip  
Attention: Customer Contact Name  
Title:  
Phone:  
Fax:  
Email:

**To Transmission Provider:**

Attention: Transmission Account  
Executive for Interconnection Customer –  
TSE/TPP-2  
Phone: (360) 619-6016  
Fax: (360) 619-6940  
Email: [txsalescontracts@bpa.gov](mailto:txsalescontracts@bpa.gov)

**First Class Mail**

Bonneville Power Administration  
P.O. Box 61409  
Vancouver, WA 98666-1409

**Overnight Delivery Service:**

Bonneville Power Administration  
905 NE 11<sup>th</sup> Avenue  
Portland, OR 97232

**13.4 Designated Operating Representative**

Except as otherwise provided in this section, any notice, request or demand of an operating nature shall be in writing and deemed to have been received if delivered in person, by email, by facsimile, by First Class mail or sent by overnight delivery service.

For any service interruptions, emergency conditions, operating instructions, curtailments, or dispatch orders, Transmission Provider may notify Transmission Customer through any of the following methods: (1) by electronic signal pre-arranged between Transmission Customer and Transmission Provider, (2) by telephone, facsimile or email to the telephone numbers and email addresses set forth in this section, (3) by a change request to a transaction submitted according to the NERC e-Tag protocol, or (4) as otherwise agreed between Transmission Customer and Transmission Provider. Transmission Provider is not responsible for ensuring that Transmission Customer has the continuous ability to receive Transmission Provider's electronic signals.

**To Interconnection Customer:**

Interconnection Customer  
Customer Address  
City, State, Zip  
Attention: Customer Contact Name  
Title:  
Phone:  
Fax:  
Email:

**EMERGENCY ONLY**

Operations Manager for:  
Interconnection Customer  
Phone:

**To Transmission Provider:****Operational Primary:**

Munro Dispatch  
Phone: (509) 465-1820  
Fax: (509) 219-9009

**Alternate and Local Subgrid:**

Dittmer Dispatch  
Phone: (360) 418-2280 or (360) 418-2281  
Fax: (360) 418-2938

**Planned Outages:**

Dittmer Control Center  
Phone: (360) 418-2274  
Fax: (360) 418-2214

**13.5 Changes to the Notice Information**

Either Party may change its information by providing notice of such change to the other Party by any of the methods listed in section 13.1. Transmission Provider shall revise this Exhibit upon such notice. Revisions made solely to change contact information may be made without additional signatures by the Parties:

**Article 14. Signatures**

This Agreement may be executed in several counterparts, all of which taken together will constitute one single agreement, and may be executed by electronic signature and delivered electronically. The Parties have executed this Agreement as of the last date indicated below.

(INTERCONNECTION CUSTOMER NAME) UNITED STATES OF AMERICA  
Department of Energy  
Bonneville Power Administration

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: Transmission Account Executive

If opting out of the electronic signature:

By: \_\_\_\_\_

Name: \_\_\_\_\_  
*(Print/Type)*

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## ATTACHMENT 1 GLOSSARY OF TERMS

**Affected System** – An electric system other than the Transmission Provider's Transmission System that may be affected by the proposed interconnection.

**Applicable Laws and Regulations** – All duly promulgated applicable federal, state and local laws, regulations, rules, ordinances, codes, decrees, judgments, directives, or judicial or administrative orders, permits and other duly authorized actions of any Governmental Authority.

**Business Day** – Monday through Friday, excluding Federal Holidays.

**Default** – The failure of a breaching Party to cure its breach under the Small Generator Interconnection Agreement.

**Distribution System** – The Transmission Provider's facilities and equipment used to transmit electricity to ultimate usage points such as homes and industries directly from nearby generators or from interchanges with higher voltage transmission networks which transport bulk power over longer distances. The voltage levels at which Distribution Systems operate differ among areas.

**Distribution Upgrades** – The additions, modifications, and upgrades to the Transmission Provider's Distribution System at or beyond the Point of Interconnection to facilitate interconnection of the Small Generating Facility and render the transmission service necessary to effect the Interconnection Customer's wholesale sale of electricity in interstate commerce. Distribution Upgrades do not include Interconnection Facilities.

**Good Utility Practice** – Any of the practices, methods and acts engaged in or approved by a significant portion of the electric industry during the relevant time period, or any of the practices, methods and acts which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.

**Governmental Authority** – Any federal, state, local or other governmental regulatory or administrative agency, court, commission, department, board, or other governmental subdivision, legislature, rulemaking board, tribunal, or other governmental authority having jurisdiction over the Parties, their respective facilities, or the respective services they provide, and exercising or entitled to exercise any administrative, executive, police, or taxing authority or power; provided, however, that such term does not include the Interconnection Customer, the Interconnection Provider, or any Affiliate thereof.

**Interconnection Customer** – Any entity, including the Transmission Provider, the Transmission Owner or any of the affiliates or subsidiaries of either, that proposes to interconnect its Small Generating Facility with the Transmission Provider's Transmission System.

**Interconnection Facilities** – The Transmission Provider's Interconnection Facilities and the Interconnection Customer's Interconnection Facilities. Collectively, Interconnection Facilities include all facilities and equipment between the Small Generating Facility and the Point of Interconnection, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the Small Generating Facility to the Transmission Provider's Transmission System. Interconnection Facilities are sole use facilities and shall not include Distribution Upgrades or Network Upgrades.

**Interconnection Request** – The Interconnection Customer's request, in accordance with the Tariff, to interconnect a new Small Generating Facility, or to increase the capacity of, or make a Material Modification to the operating characteristics of, an existing Small Generating Facility that is interconnected with the Transmission Provider's Transmission System.

**Material Modification** – A modification that has a material impact on the cost or timing of any Interconnection Request with a later queue priority date.

**Network Upgrades** – Additions, modifications, and upgrades to the Transmission Provider's Transmission System required at or beyond the point at which the Small Generating Facility interconnects with the Transmission Provider's Transmission System to accommodate the interconnection of the Small Generating Facility with the Transmission Provider's Transmission System. Network Upgrades do not include Distribution Upgrades.

**Operating Requirements** – Any operating and technical requirements that may be applicable due to Regional Transmission Organization, Independent System Operator, control area, or Transmission Provider's requirements, including those set forth in the Small Generator Interconnection Agreement.

**Party or Parties** – The Transmission Provider, Transmission Owner, Interconnection Customer or any combination of the above.

**Point of Interconnection** – The point where the Interconnection Facilities connect with the Transmission Provider's Transmission System.

**Reasonable Efforts** – With respect to an action required to be attempted or taken by a Party under the Small Generator Interconnection Agreement, efforts that are timely and consistent with Good Utility Practice and are otherwise substantially equivalent to those a Party would use to protect its own interests.

**Small Generating Facility** – The Interconnection Customer's device for the production of electricity identified in the Interconnection Request. The Small Generating Facility shall be no larger than 20 MW, and shall not include the Interconnection Customer's Interconnection Facilities.

**Tariff** –The Transmission Provider or Affected System's Tariff through which open access transmission service and Interconnection Service are offered, as amended or supplemented from time to time, or any successor tariff.

**Transmission Owner** – The entity that owns leases or otherwise possesses an interest in the portion of the Transmission System at the Point of Interconnection and may be a Party to the Small Generator Interconnection Agreement to the extent necessary.

**Transmission Provider** – The public utility (or its designated agent) that owns, controls, or operates transmission or distribution facilities used for the transmission of electricity in interstate commerce and provides transmission service under the Tariff. The term Transmission Provider should be read to include the Transmission Owner when Transmission Owner is separate from the Transmission Provider.

**Transmission System** – The facilities owned, controlled, or operated by the Transmission Provider or the Transmission Owner that are used to provide transmission service under the Tariff.

**Upgrades** – The required additions and modifications to the Transmission Provider's Transmission System at or beyond the Point of Interconnection. Upgrades may be Network Upgrades or Distribution Upgrades. Upgrades do not include Interconnection Facilities.

**ATTACHMENT 2****DESCRIPTION AND COSTS OF THE SMALL GENERATING FACILITY,  
INTERCONNECTION FACILITIES AND METERING EQUIPMENT**

Equipment, including the Small Generating Facility, Interconnection Facilities, and metering equipment shall be itemized and identified as being owned by Interconnection Customer, Transmission Provider, or the Transmission Owner. Transmission Provider will provide a best estimate itemized cost, including overheads, of its Interconnection Facilities and metering equipment, and a best estimate itemized cost of the annual operation and maintenance expenses associated with its Interconnection Facilities and metering equipment.



**ATTACHMENT 3**

**ONE-LINE DIAGRAM DEPICTING THE SMALL GENERATING FACILITY,  
INTERCONNECTION FACILITIES, METERING EQUIPMENT, AND UPGRADES**

**ATTACHMENT 4  
MILESTONES**

**ATTACHMENT 5**  
**ADDITIONAL OPERATING REQUIREMENTS FOR TRANSMISSION PROVIDER'S**  
**TRANSMISSION SYSTEM AND AFFECTED SYSTEMS NEEDED TO SUPPORT**  
**INTERCONNECTION CUSTOMER'S NEEDS**

Transmission Provider shall also provide requirements that must be met by Interconnection Customer prior to initiating parallel operation with Transmission Provider's Transmission System.

**ATTACHMENT 6  
TRANSMISSION PROVIDER'S DESCRIPTION OF ITS UPGRADES  
AND BEST ESTIMATE OF UPGRADE COSTS**

Transmission Provider shall describe Upgrades and provide an itemized best estimate of the cost, including overheads, of the Upgrades and annual operation and maintenance expenses associated with such Upgrades. Transmission Provider shall functionalize Upgrade costs and annual expenses as either transmission or distribution related.