



Transmission Interconnection Procedures

December 28, 2023
Rev. 12

Public Utility District No. 2 of Grant County, Washington
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1 Introduction

Public Utility District No. 2 of Grant County, Washington (Grant PUD) welcomes your interest in interconnection to our transmission system. These procedures are intended to aid those seeking to interconnect generation, transmission, and or end-user facilities to Grant PUD transmission facilities.

Grant PUD's transmission system includes transmission lines and substation/switchyards at the voltages of 230 kV and 115 kV. The primary purpose of the system is to serve Grant PUD's retail load with power from the Priest Rapids Project and purchases utilizing interties to other transmission entities. Grant PUD's transmission system is also available to entities that qualify to interconnect to the system by utilizing the processes in this document.

This document describes the general requirements and process for interconnection, addition, or modification to Grant PUD's transmission facilities. Please note there may be additional requirements depending upon the location and scope of the proposed interconnection. This document also provides an overview of funding, reliability, safety and security, environmental, land acquisition and contractual requirements.

Interconnection is a separate but parallel process to other processes, including the environmental review process outlined in the State Environmental Policy Act (SEPA) Implementing Procedures, and Grant PUD's land acquisition process. These processes may share steps in order to ensure an efficient interconnection. It is Grant PUD's intent to make the processes as seamless as possible.

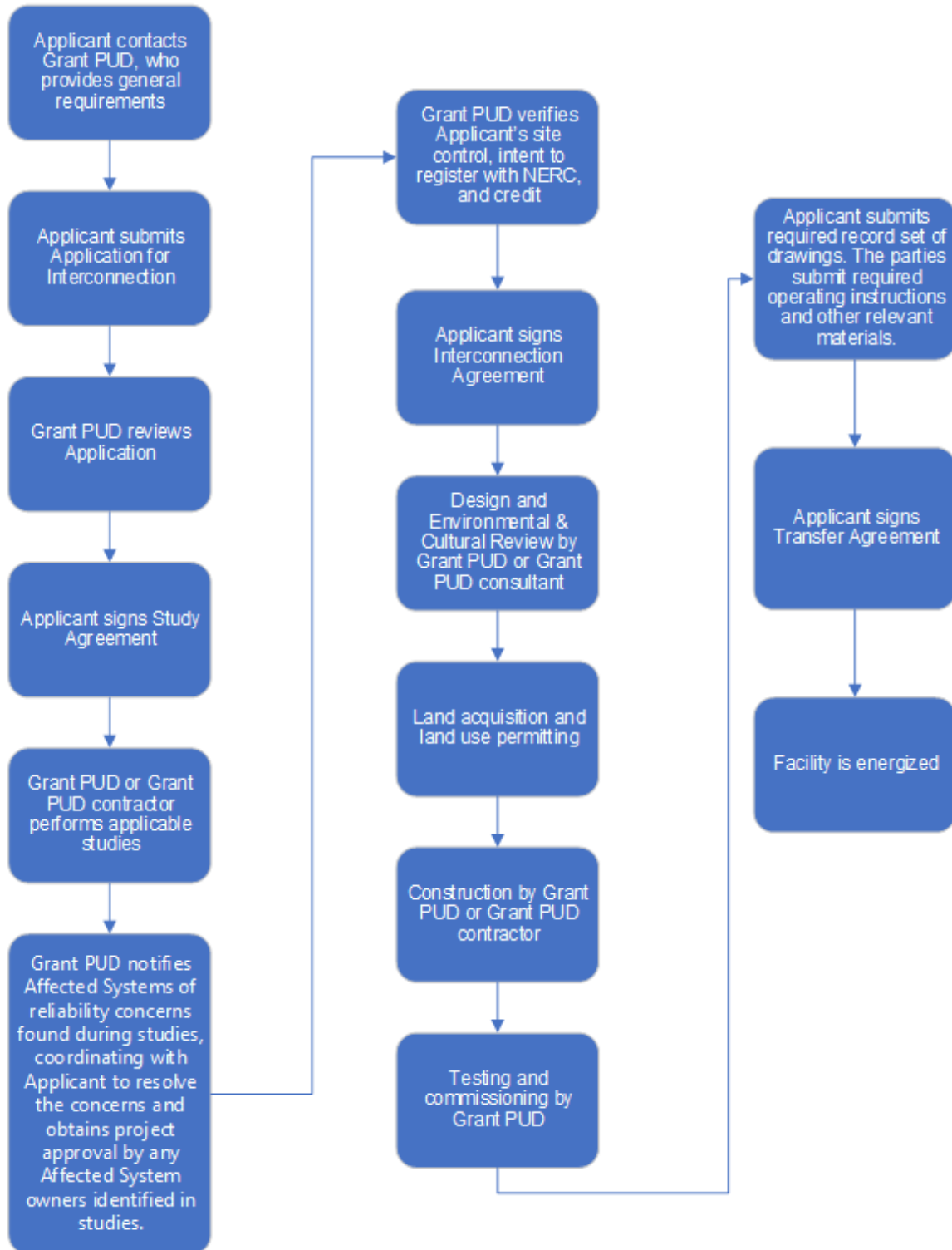
The steps described within this document are offered as a general procedure. Grant PUD reserves the right to modify them without notice to meet changing conditions and for the protection of our system. Additional requirements are set forth in the Grant PUD Interconnection Technical Requirements, which may be amended from time to time.

For additional information on Grant PUD, please visit our web site at www.grantpud.org.



2 Process Diagram

The following diagram contains a high-level overview of the interconnection process and is not intended to show every step.



3 Definitions

Affected System Study – A study to determine the effects of a project to an electric system other than Grant PUD's transmission system that may be affected by the proposed interconnection and to determine an estimate of the costs to mitigate the effects.

Applicant – The entity that applies for an interconnection to the Grant PUD transmission system.

Balancing Authority (BA) - The responsible entity that integrates resource plans ahead of time, maintains demand and resource balance within a Balancing Authority Area, and supports Interconnection frequency in real time

Balancing Authority Area (BAA) - The collection of generation, transmission, and loads within the metered boundaries of the Balancing Authority. The Balancing Authority maintains load-resource balance within this area

Direct Assignment Facilities – Facilities that will be owned by Grant PUD that are for the sole purpose of accommodating Applicant's interconnection request.

Energy Resource – A generating resource intended to meet load in a BAA other than (outside) the Grant PUD BAA.

Facilities Study – a study regarding the estimated cost of and schedule for required facilities to accommodate Applicant's interconnection request.

Feasibility Study - a preliminary study to determine initial estimates for the cost and system limitations associated with Applicant's interconnection request.

Grant PUD Interconnection Technical Requirements – A Grant PUD document that specifies certain technical requirements for interconnecting to the Grant PUD transmission system.

Grant PUD Transmission Planning Guidelines – a Grant PUD document that specifies certain criteria regarding the Grant PUD transmission system.

Interconnection Agreement – An agreement between Grant PUD and Applicant that defines the terms and conditions of the interconnection.

Material Modification - those modifications that have a material impact on the cost or timing of any interconnection request with a later queue priority date. A Material Modification, may include, but is not limited to a Qualified Change.

Natural and Cultural Resource Review Process (NCRRP) – a project review process conducted by Grant PUD, or its designee, to ensure compliance with environmental permitting, land use permitting, and cultural resources.

Network Upgrades - The additions, modifications, and upgrades to Grant PUD's transmission system required to accommodate Applicant's interconnection request that are not considered to be Direct Assignment Facilities.

Point of Change of Ownership - the point where the Applicant's facilities connect to Grant PUD's facilities.

Qualified Change - A Qualified Change includes any of the following:

- Any change in maximum transmission capacity required.
- An increase in demand greater than 10% or 10 MW.

- Addition of equipment that would affect power factor by more than 3%.
- A change greater than 10% of a generator step up (GSU) transformer impedance.
- A change to protection settings covered in NERC Standard PRC-024 R3.
- Any change affecting protection device coordination.
- Any change in total harmonic voltage distortion (THVD) or total harmonic current distortion (THCD) by more than 3%.
- A change in station configuration affecting bulk electric system power flows.
- Any change in governor, exciter, and/or power system stabilizer settings.

Site Control – The demonstration that Applicant has outright ownership of a site, a contract to purchase, or an option on the property and there are no known environmental, cultural, or other hindrances that would prohibit Applicant from developing the proposed project.

Study Agreement – An agreement that specifies the terms and scope of certain studies associated with Applicant’s interconnection request.

System Impact Study - an assessment of the adequacy of the electrical system and an estimate of the costs that may be incurred in order to accommodate Applicant’s interconnection request.

Transfer Service – The service provided by Grant PUD to receive power from a customer at a point on the Grant PUD Transmission System and deliver the same power to a customer at a different point on the Grant PUD transmission system.

Transfer Service Study – A study to assess the adequacy of Grant PUD’s transmission system to accommodate a request to utilize the Grant PUD system for transmission service.

4 Interconnection Process

Each request for interconnection is evaluated on a case-by-case basis and is subject to meeting reasonable needs of the Applicant. A request for a Material Modification of an existing interconnection will be treated in the same manner as a request for a new interconnection.

Grant PUD assumes responsibilities to operate and maintain interconnected facilities within Grant PUD switching stations, substations, and on Grant transmission structures.

The process of interconnection to Grant PUD facilities does not involve nor guarantee transmission capacity or Transfer Service. These are part of a separate application process. For information regarding Transfer Service contact the Manager of Transmission Services.

There are several steps in the interconnection process. Within legal and technical parameters, the steps in this process may be modified by Grant PUD on a case-by-case basis depending upon the specific circumstances of the requested interconnection.

4.1 Step 1 - Contact Grant PUD and submit application

Applicants are encouraged to discuss proposed projects with the Manager of Transmission Services. Discussion and subsequent review of the request will help Grant PUD determine what studies are necessary. After initial contact, an entity will need to submit an application for interconnection (Appendix A). A non-refundable application processing fee of \$5,000.00 must accompany the application.

Applicants are encouraged to review the Grant PUD Interconnection Technical Requirements.

Applicant should be aware that requests for interconnection can take 54 months or more to complete the study, design, and construction process. Applicants are encouraged to plan accordingly. Except, by mutual agreement, the proposed date of interconnection in the application may be no more seven years from the date the application is submitted.

Grant PUD will review the interconnection request prior to contacting Applicant regarding proceeding further. If the request impacts other systems, Grant PUD will be in contact with the appropriate entities, which may occur at any time in the interconnection process. The adjacent affected system owner may require additional study work.

When submitting an interconnection request to Grant PUD, Applicant should provide as much of the information as possible to help expedite the design or review process. The information required is indicated on the application for interconnection. Grant PUD may request additional information not listed on the application for interconnection at any point in interconnection process.

The application for interconnection is not an application for transmission capacity or Transfer Service.

If Grant PUD denies the request for interconnection, or deems the request for interconnection is incomplete, a summary of reasons will be provided, and Grant PUD will make every reasonable effort to support the Applicant in revising the request, as applicable. An interconnection request will not be given a position in the Grant interconnection Queue until the application is considered sufficient by Grant PUD. Grant PUD may request additional information not provided in the initial application at any time during the study and interconnection process.

4.2 Step 2 – Studies

The studies performed under the Study Agreement are a Feasibility Study, a System Impact Study, a Facilities Study, and a Transfer Service Study. Not all of the studies may be required in all cases. The Transfer Service Study can only be performed under the Study Agreement if Applicant submits a separate application to Grant PUD for Transfer Service.

Applicant shall execute the Study Agreement within 30 calendar days following Grant PUD's offer of the Study Agreement signed by Grant PUD. If Applicant does not execute the agreement within 30 calendar days, the Applicant's request will be removed from Grant PUD's interconnection queue. Grant PUD will supply the Study Agreement to Applicant for review at least 14 days prior to offering the agreement for execution, unless applicant indicates a willingness to sign the agreement prior to 14 days.

Grant will study all generation interconnection requests as an Energy Resource.

4.2.1. Feasibility Study

Grant PUD's system planning area, or its designee, will conduct a Feasibility Study. The purpose of a Feasibility Study is to take a high-level look at Applicant's proposed interconnection to determine if there are any easily identifiable issues that need be addressed. If Applicant requests to move directly to the System Impact Study, Grant PUD will determine on a case by case basis if this request will be granted.

The deposit required for the Feasibility Study will be \$12,000.

The Feasibility Study is a preliminary analysis of the power flow and short circuit impacts to the system, and the report shall be brief and provide the following high-level information:

- preliminary identification of any circuit breaker short circuit capability limits

- exceeded as a result of the interconnection;
- preliminary identification of any thermal overload or voltage limit violations resulting from the interconnection; and
- preliminary description and non-binding estimated cost of facilities required to interconnect to the Grant PUD transmission system and to address the identified short circuit and power flow issues.

4.2.2. System Impact Study (SIS)

Grant PUD's system planning group, or its designee, will conduct a SIS. The study will assess the capability of the transmission system to support the requested interconnection, including any special studies necessary to evaluate the need to offset potential Grant PUD control performance problems. The SIS will also identify any preliminary reliability impacts to Affected Systems and notification of issues discovered will be made to those responsible for these systems.

Applicant must demonstrate Site Control prior to Grant performing a SIS.

The deposit required for the SIS will be \$70,000.

The study will use the guidelines detailed in Grant PUD's Guidelines for Transmission System Planning (available upon request) and will need to satisfy applicable North American Reliability Corporation (NERC) and Western Electric Coordinating Council (WECC) reliability criteria and requirements. The study process may include discussions with entities which could be affected by the interconnection and regional planning organizations and there may be a need to perform an Affected System Study in cooperation with the affected entity.

The study will identify system constraints and re-dispatch options and any necessary Direct Assignment Facilities and Network Upgrades.

As part of the study, Grant PUD will review the system impact, reliability and capability of the transmission facilities given the addition of the proposed interconnection. The study will include, but not be limited to, power flow, system dynamic stability and short circuit analysis. Sub-synchronous resonance studies may also be required. It is the responsibility of the Applicant to provide any specialized modeling data from the WECC approved model list and in PowerWorld formats consistent with NERC's Reliability Guidelines (BPS--Connected Inverter-Based Resource Performance), the document produced by NERC by this title, or its successor document, which contain guidelines for the operation of inverter based resources.

Evaluation of alternatives to the proposed interconnection, such as lower voltage construction, reactive support facilities, or upgraded facilities, may be requested, required, or conducted. The study will include 10-year load or resource growth projections and the planned facilities needed to satisfy such requirements.

When Grant PUD considers integrating a new resource into transmission facilities, additional studies within the system impact or facilities studies may also be required. Operational problems on Grant PUD facilities, either during normal or emergency conditions, may affect Grant PUD's control performance; and under certain conditions, it may be determined that Applicant will have to relinquish unit load and voltage control to Grant PUD's system dispatcher. The power factor for generating units and loads shall be studied at the interconnection point. Special region-specific operational studies will evaluate the transmission system and reliability considerations. Applicable NERC, WECC, NWPP,

Grant PUD, and standards of other entities which are affected by the proposed intertie will be used to evaluate system operating considerations.

Should replacement of existing equipment be required as a result of the interconnection, Grant PUD will retain equivalent capacity and operational control as previously existed.

The System Impact Study report shall provide the following information:

- identification of any circuit breaker short circuit capability limits exceeded as a result of the interconnection;
- identification of any thermal overload or voltage limit violations resulting from the interconnection;
- identification of any instability or inadequately damped response to system disturbances resulting from the interconnection; and
- description and non-binding, good faith estimated cost of facilities required to interconnect the Project to the Grant PUD transmission system and to address the identified short circuit, instability, and power flow issues.

4.2.3. Facilities Study

A Facilities Study is necessary to determine upgrades or modifications needed as capital improvements at the point of interconnection. The study will include estimates of the cost of facilities design and construction as well as the time required to complete design and construction.

The deposit required for the Facilities Study will vary based on the scope of the proposed project and will generally be in the range of \$70,000.

Except where otherwise stated, the studies and policies outlined in this document only apply to the Grant PUD-owned facilities.

The Facilities Study report shall provide the following information:

- a description, estimated cost of and schedule to construct the facilities identified in the SIS as required to interconnect the Project to the Grant PUD transmission system; and

4.2.4. Transfer Service Study

Requesting and obtaining Transfer Service is not part of the interconnection process, but Transfer Service will generally be needed by an entity that has an interconnection to Grant PUD. An entity must apply for Transfer Service separate from the interconnection process outlined in this Procedures document.

A Transfer Service Study may be necessary to determine the adequacy of the Grant PUD transmission system to accommodate Transfer Service. The scope of a Transfer Service Study will vary based on the specific situation and the existing contractual obligations on the Grant System.

Grant will determine on a case by case basis if a study is necessary and the estimated cost of the study.

4.3 Step 3 – Interconnection Agreement

Once all applicable studies are complete, Grant PUD will work with Applicant to develop an Interconnection Agreement. The Interconnection Agreement will include but not be limited to the following:

- Applicant's responsibilities for costs
- Design and construction of the facilities to be owned by Grant PUD and paid for by Applicant
- Land acquisition and permitting
- NCRRP
- Operations and requirements as an interconnected entity to Grant PUD
- O&M to be performed by Grant PUD at Applicant's expense
- Energization of Applicant's facilities

Prior to Grant PUD offering an Interconnection Agreement, Applicant must demonstrate the following requirements are met in a manner acceptable to Grant PUD according to the timeline in Section 4.6 Queue Management.

1. Site Control (Site Control was demonstrated prior to the SIS and Grant will verify site control again before offering an Interconnection Agreement)
2. Intention to register as an appropriate entity with NERC
3. Credit - Demonstrate the ability to provide a letter of credit or other acceptable form of collateral.
4. All Affected System concerns have been satisfied. This may include, but is not limited to
 - a. Notification from an identified Affected System that there are no concerns
 - b. Agreements with Affected Systems to construct necessary facilities to mitigate any reliability or other concerns
 - c. Agreements with Affected Systems to participate in a Remedial Action Scheme (RAS) or other procedure

Applicant shall execute the Interconnection Agreement within 30 calendar days following Grant PUD's offer of the Interconnection Agreement. If Applicant does not execute the agreement within 30 calendar days, the Applicant's request will be removed from Grant PUD's interconnection queue. Grant PUD will supply the Interconnection Agreement to Applicant for review at least 30 days prior to offering the agreement for execution. Grant will respond to questions or comments from Applicant. If Applicant does not indicate a willingness to sign the Interconnection Agreement within 30 days of the date the Interconnection Agreement is provided for review, Grant may remove Applicant from the queue.

Grant PUD will not commence any work prior to funding being provided by the Applicant per the terms of the Interconnection Agreement. Grant PUD will, unless otherwise agreed to by Grant PUD and the Applicant, design the Grant PUD facilities associated with the interconnection.

4.4 Step 4 – Review, Testing and Energization

Once construction has been completed - and before energizing the new interconnection - Grant PUD will review and test (or witness testing of) the new facilities. Grant PUD will use prudent utility practice in review and testing. A testing procedure, mutually agreed to by the applicant and Grant

PUD, must be in place prior to testing. Additionally, Applicant will provide updated models and or model parameters of as-built facilities to be validated through appropriate studies by Grant PUD or its contractor prior to energizing of new facilities.

A transfer agreement, covering transmission capacity and Transfer Services, must be in place prior to energizing the interconnected facilities for operation.

Before energizing, Grant PUD must also receive the appropriate record set of drawings, operating instructions and other relevant materials.

If Grant PUD does not maintain direct control of the facilities, Grant PUD will maintain backup control of all facilities deemed to be vital to system stability.

Grant PUD will require Applicant to demonstrate they are appropriately registered with NERC within one week of a facility entering commercial operation.

See the Grant PUD Interconnection Technical Requirements for further information.

4.5 Step 5 - Project Close-Out

Grant PUD will develop a final report with a list of lessons learned to help facilitate future interconnections. Grant PUD invites Applicant to join in developing a joint final report that benefits Grant PUD and Applicant. Closeout will also include the creation of a historical file to include a record set of documents, contracts and agreements, change orders, major material and equipment specifications, design parameters etc, which will be useful should the facility ever require technical review, modification, or operational change at some future date.

4.6 Queue Management

The interconnection process involves a series of studies leading up to the signing of an Interconnection Agreement. In order to remain in the interconnection queue, Applicant must sign the agreements offered by Grant PUD within the number of days specified in these Procedures or in the applicable Study Agreement. Applicant must demonstrate Site Control, intent to register with NERC, and credit worthiness acceptable to Grant PUD in order to be offered an Interconnection Agreement. If Applicant cannot demonstrate these requirements within 30 days of the completion of all studies necessary for Grant PUD to offer an Interconnection Agreement, Applicant will be removed from the interconnection queue unless Applicant can show progress in obtaining these requirements acceptable to Grant PUD.

Applicant must be available for communication with Grant PUD. If Grant PUD is unable to contact Applicant for a period of 30 days in order to conduct business associated with an application, the project associated with the application may be removed from the Grant PUD interconnection queue. If Grant PUD is performing a study under a Study Agreement and makes a reasonable request for data, Applicant must supply the data within 30 days. If Applicant fails to supply the data within 30 days, Grant PUD may terminate the study and remove Applicant from the queue.

Requests to increase the output of a generation facility with an existing queue position will be treated as a new request for interconnection and will require a new application. The incremental increase in plant output will be assigned a new queue position at the end of the queue for the purposes of cost allocation and study analysis.

Prior to the execution of a Study Agreement, Applicant may request a decrease of up to 60 percent of the plant output as designated in the initial application and the capacity in the applicable queue position will be adjusted to reflect this request. Applicant may withdraw its request for

interconnection at any time by written notice of such withdrawal to Transmission Provider. Withdrawal shall result in the loss of Applicants queue position.

5 Funding Requirements

All of Grant PUD's costs associated with the interconnection request, including applicable overhead, are the responsibility of the Applicant and will be specified in the applicable Study Agreement and Interconnection Agreement. Advance funds are required before Grant PUD performs any studies, design, land acquisition or construction. Upon receipt by Grant PUD, advance funds will be placed in a cost account for the project. Any advance payment made by the Applicant in excess of the actual costs incurred by Grant PUD will be refunded, without interest. If the initial estimate does not cover actual costs, additional funds will be requested for the process to continue.

5.1 Feasibility, System Impact, Facilities and Transfer Service Studies

The costs for the Feasibility, System Impact, Facilities, and Transfer Service Studies will be funded in the applicable Study Agreement.

5.2 Affected System Study

Costs associated with an Affected System Study will be funded in a separate Affected System Study agreement.

5.3 Environmental and Cultural Studies

Costs associated with environmental and cultural studies, including costs associated with an NCCRP will be funded as part of the Interconnection Agreement.

5.4 Land Acquisition and Land Use Permitting

Land acquisition and land use permitting will be funded as part of the Interconnection Agreement.

5.5 Facilities Design and Construction

Grant PUD will, unless otherwise agreed to by Grant PUD and Applicant, perform all design and construction of Grant PUD-owned facilities. The Point of Change of Ownership, sometimes referred to as the point of demarcation, will be specified in the Interconnection Agreement.

Funding for facilities design and construction will be included in the Interconnection Agreement. The Facilities Study will be used to develop the Interconnection Agreement. The Interconnection Agreement will include funding for (1) the cost of Direct Assignment Facilities to be charged to the Applicant and (2) the Applicant's appropriate share of the cost of any required Network Upgrades. The Applicant will pay its share of the costs of new facilities or upgrades, including design, before Grant PUD can begin or allow construction.

If the construction of new facilities would require the expenditure of Grant PUD funds, Grant PUD reserves the right to halt construction until funds for construction are appropriated per the terms of the applicable Interconnection Agreement.

Should replacement of existing equipment be required, the equipment will be removed and replaced at the sole expense of Applicant.

5.6 Facilities Operations and Maintenance

The Interconnection Agreement will set forth funding required, if any, for long-term operations and maintenance associated with the interconnection.

Ownership of installed facilities is determined on a case-by-case basis. However, Grant PUD generally retains operation and dispatching authority of facilities that Grant PUD does not own but considers to be an integral part of Grant PUD transmission system.

Grant PUD reserves the right to approve transmission system changes at the tap, substation, or interconnection that affect operation of Grant PUD facilities, including interconnecting with facilities of a third entity.

6 Reliability Requirements

Interconnection to Grant PUD's transmission facilities will be consistent with prudent utility practices. A proposed interconnection must not degrade the reliability or operating flexibility of the existing power system and must not cause Grant PUD's transmission system to violate NERC or WECC transmission system performance criteria as specified in applicable reliability standards nor the Grant PUD's Reliability Coordinator's System Operating Limit methodology requirements. The interconnection must comply with WECC standards, policies, and procedures. When involving Grant PUD owned, operated or maintained facilities, the interconnection must also comply with Grant PUD engineering design and operation criteria, including but not limited to the Grant PUD Transmission Planning Guidelines. Additionally, the interconnection must adhere to any regional planning or operating entities criteria in effect, and the criteria of other entities affected by the interconnection.

Applicant will be responsible for testing and reporting requirements in accordance with applicable NERC and WECC criteria and any similar standards of a successor organization to either NERC or WECC.

7 Safety and Security Requirements

When making an interconnection to Grant PUD facilities, Applicant shall perform construction to comply with applicable safety laws, building and construction codes. These include provisions of applicable Federal, State, and local safety, health and/or industrial regulations or codes. In addition, Applicant must adhere to Grant PUD's Contractor Safety Requirements when working on Grant PUD property.

If Applicant does not adhere to construction and safety requirements, Grant PUD may issue an order to stop all or any part of the work until such time Applicant demonstrates compliance with the provision at issue. Applicant cannot make a claim for compensation or damage resulting from such work stoppage.

8 Environmental Requirements and Cultural Reviews

The Natural and Cultural Resource Review Process or NCRRP is a project review process conducted by Grant PUD, or its designee, to ensure compliance with environmental permitting, land use permitting, and cultural resources.

Grant PUD is required to assess the potential environmental impacts of any proposed interconnection in accordance with the State Environmental Policy Act (SEPA) and other environmental regulations. Applicants are advised to consult with Grant PUD as early as possible in the planning process to obtain guidance with respect to the appropriate level and scope of any studies or environmental information that Grant PUD requires. The Washington State Department of Ecology's SEPA requires that Grant PUD begin environmental review as soon as practicable. The nature of the interconnection request will dictate the level of SEPA compliance required.

The environmental review process can range from a categorical exclusion to a comprehensive environmental impact statement, including the required public process for such a statement. The cultural review process can possibly be short, depending on preliminary findings. Findings may also rule the project as non-viable or require substantial archaeological studies for significant cultural sites. The environmental and cultural review process uses input from previous and other ongoing studies and construction planning processes. Continuation of the interconnection process at any and every step is contingent upon favorable environmental and cultural review

If the interconnection request does not involve integration of a new source of generation into Grant PUD transmission facilities, change the operation limits of existing generation, provide service to new discrete loads, or cause major system changes - and there are no adverse impacts identified, Grant PUD may be able to prepare a categorical exclusion for the interconnection. This process can take up to six months to complete, depending on the scope of the interconnection. If the interconnection does involve any of the actions mentioned above, the environmental review process may take 18 months or more, depending on the scope of the interconnection. If Grant PUD determines that an environmental assessment (EA) or an environmental impact statement (EIS) is required, Grant PUD may prepare the EA or EIS and, if necessary, use a contractor selected by Grant PUD. If an EA is prepared, one result may be a determination that an EIS is necessary (in the case that significant impacts may occur or controversy is likely), thus extending the time to complete SEPA compliance.

Grant PUD may participate in the environmental process of another Federal, State, or local agency involved with a project to satisfy portions of its SEPA requirements. Environmental reviews and related studies conducted by other agencies cannot, however, be routinely adopted. They must meet the standards placed upon Grant PUD by SEPA or other governmental agency procedures.

The environmental process may be influenced by the SIS or the Facilities Study. If the results of studies demonstrate a need for system additions to support the interconnection, the environmental studies must address the additions along with the interconnection. The applicable SEPA documents will be completed before Grant PUD renders a final decision on the request for interconnection. Grant PUD considers the environmental analysis contained in the SEPA documents in reaching its decisions for an interconnection, as stipulated in the SEPA or other governmental agency procedures.

When Applicant will own equipment located in Grant PUD's substation, switch yard or right-of-way, Applicant shall be financially responsible for all activities necessary to comply with the requirements of existing or subsequent applicable Federal, State, or local environmental laws and regulations. Where specific environmental mitigation, as determined through the SEPA process, is required as a result of construction activities, Grant PUD is obligated to report annually on the status of such mitigation. Applicant shall provide Grant PUD with periodic reports in sufficient detail to permit Grant PUD to compile and submit its site environmental annual report.

Applicant must comply with all Federal, State and local laws regarding hazardous materials, as well as Grant PUD safety requirements when working on Grant PUD property.

Grant PUD has an internal environmental and cultural review process in addition to the State and Federal requirements. This is mandatory for all projects prior to any disturbance to the area. These reviews can be performed simultaneous with the environmental review and should be started as soon as the scope of the project on the surrounding land can be determined. A satisfactory cultural review is required prior to start of construction, or any activity which will disturb the site. Grant PUD may require a cultural observer on site during any construction activity on Grant PUD property or facilities. This observer has the authority to stop the project, depending on discoveries which may be unearthed during the construction process. Applicant cannot make a claim for compensation or damage resulting from such work stoppage.

If the review process determines that the interconnection does not satisfy Federal, State, or Grant PUD requirements, Grant PUD will either deny the request or work with the Applicant to revise aspects of the

interconnection request to meet environmental and cultural criteria. Such revisions may occur at various steps during the process.

9 Land Acquisition and Land Use Permitting Requirements

Land acquisition and land use permitting will be included in the Interconnection Agreement. This work involves initiating research of property ownership and zoning, title search and determination, legal land surveys, preparation of legal descriptions and documents, and appraisals. The process may extend through the completion of construction. Typically, negotiations between Grant PUD, Applicant and/or affected landowners do not begin until the environmental record of decision or finding of no significant impact is complete, prior to construction.

If the interconnecting facilities are to be owned by Grant PUD, then any new land rights necessary for the interconnection must be owned by Grant PUD. Grant PUD typically conducts all land acquisition and land use permitting activities, including title search and determination, legal land surveys, preparation of legal documents, title insurance, appraisals, negotiations, payment and recording of documents in the County Auditor's Office. Projects may also require damage resolution with landowners following construction. All land rights must be acquired pursuant to Federal, State, County and local laws governing acquisition of real property and land use permits, which is particularly important when other Federal, State and institutional lands are affected by the interconnection.

In certain circumstances, Grant PUD may determine that Applicant is capable of performing the necessary land rights and land use permit activities. When this is the case, Grant PUD will coordinate closely with Applicant to ensure proper procedures are followed, and that the proper land rights and land use permits are obtained. Agreements concerning land acquisition issues such as fee or easement, right-of-way width, and title acceptability must be reached between Grant PUD and Applicant before any land rights are acquired and transferred to Grant PUD.

Appendix A – Application for Interconnection Public Utility District No. 2 of Grant County, Washington

1. Applicant's Legal Entity Name: _____

2. Applicant's Full Street Address (include State and ZIP):

3. Name of Contact: _____

4. Title of Contact: _____

5. Telephone and Mobile Numbers: _____

6. E-mail: _____

7. Proposed/Estimated Date of Interconnection: _____

8. Name of Project: _____

9. Capacity Associated with the Interconnection Request: _____ MW

10. Name, Title, Company, Address, Phone and E-mail of Authorized Interconnecting Contractor/Representative – if applicable:

11. Type of Interconnection requested (mark all that apply):

- Transmission Line Tap(s)
- Substation Breaker Bay Additions(s)
- Additional Delivery Points(s)
- General Tie-Line(s)
- Other (please Specify) _____

12. Information required with the initial application in order to be placed in the Queue.

- Single-line diagram(s) showing the proposed interconnection clearly indicating the Grant PUD facility involved in the interconnection, including any relaying and metering facilities.
- Drawing(s) indicating physical arrangements of existing and proposed facilities
- Geographic location of the proposed interconnection, including maps showing land ownership and zoning - if available. If a tap, indicate adjacent structure numbers.
- Description of the proposed routing, approximate lengths and conductor size of transmission line additions or modifications, and dimensions and configurations of new structures. Proposed transmission path(s) and service arrangements between resources and associated loads
- Description of the generating resources or loads to be served by the interconnection and the proposed transmission path(s) and service arrangements between resources and associated loads, where applicable. The description should include the following:
 - a. Maximum power output or load requirements, including 10-year projections, by delivery points, of winter and summer peaks for loads served or generation supplied through the point of interconnection;

- b. Size, type and ratings of large equipment;
 - c. Reliability and special operation requirements; impedance, frequency, voltage, real and reactive power and protective relaying characteristics of the interconnecting resource or load.
13. Information that may be included with the initial application that will be required prior to a System Impact Study.

- Description and ratings of proposed transformers, winding connections, impedances, circuit breakers, switches, metering, associated communications relaying and other equipment
- Appropriate revenue and telemetering equipment specifications. The data should include load control boundary metering, current and potential transformer ratios and register and contact initiator ratios with multipliers
- Copies of relevant planning and operational studies, proposed construction schedule
- Copies of relevant environmental impact assessments, permits, cultural reviews, reports, projections, or description of anticipated scope of the environmental or cultural review
- Curves showing the active and reactive power capabilities on a single plot for the anticipated operating range of the generation facility and the storage facility if applicable.

14. **Summary of Project:** Include on a separate document a high-level description of the overall project requiring the interconnection. Include the purpose or objective of the project, general location of the facilities, line routes and approximate distances etc. Clearly specify if the project intends to place load at the interconnection in addition to generation, such as for the charging of battery storage.

15. **Project Specifics:** In separate documentation, include details of the project related to the interconnection to Grant PUD's facilities. Specifically cover the items included in Section 12 & 13 of this Application.

16. **Site Control:** Include a description of how the applicant has control of the land that is intended to be used for all the facilities that will be interconnected to Grant PUD including any relevant documents. Additional information regarding Site Control may be necessary to satisfy the requirements of Section 4.3 of the Transmission Interconnection Procedures prior to entering into an Interconnection Agreement.

17. **Storage:** Is energy storage associated with this application? Yes ____ No ____ **If Yes:**

Does the applicant intend to request permission to receive energy from the grid for purposes of storing the energy? Yes ____ No ____

Is the capacity requested in Section 9 of this request higher than the maximum generation of the project to include energy from storage? Yes ____ No ____

18. Name and Title of Applicant's Signatory: _____

19. Signature of Applicant: _____

20. Date: _____

Completing this application does not qualify the Applicant for interconnection to Grant PUD or for the receipt of Transfer Service from Grant PUD.

Return completed application and \$5,000.00 non-refundable application fee to:

Grant PUD
 Attn: Manager of Transmission Services
 PO Box 878, Ephrata, WA 98823
 TransmissionServices@gcpud.org

Please contact Grant PUD to obtain instructions for electronic transfer of documents and funds.