

State of Incorporation: _____

5 a. **Project Location**

State: _____ County: _____

Nearest Community: _____

Township: _____ Range: _____ Section: _____

Street Address: _____

5 b. **Maximum Generator Power Delivered at Interconnection Point:**

(a) Generator / Prime Mover rated output (sum of all units):

_____ kW

(b) Less generator auxiliary load: _____ Auxiliaries kW

(c) Maximum power delivered: _____ Max Delivered kW

(d) Load served when generator is OFF: _____ Load kW

(e) Existing load displaced by generator: _____ kW

5 c. **General description of the equipment configuration:**

5 d. **Projected Initial Operating Date:** _____

5 e. **Contact Person:** _____

Address for notice and general correspondence: _____

Address for billings and invoices: _____

Telephone number: _____

Facsimile number: _____

Electronic Mail Address: _____

Alternate Contact Person: _____

Address for notice and general correspondence: _____

Address for billings and invoices: _____

Telephone number: _____

Facsimile number: _____

Electronic Mail Address: _____

Project Design / Engineering Consultant Info. (As Applicable)

Company: _____

Contact Person: _____

Mailing Address: _____

Telephone number: _____

Facsimile number: _____

Electronic Mail Address: _____

Project Electrical Contractor Information (As Applicable)

Company: _____

Contact Person: _____

Mailing Address: _____

Telephone number: _____

Facsimile number: _____

Electronic Mail Address: _____

5 f. **Approximate Location of Point of Interconnection (Optional)**

Transmission Line Name: _____

State: _____ County: _____

Nearest Community: _____

Township: _____ Range: _____ Section: _____

Street Address: _____

6. Please provide the applicable deposit amount (\$10,000) as specified in the LGIP Section 3.1.

7. Evidence of Site Control as specified in the LGIP (check one)

Is attached to this Interconnection Request

Will be provided at a later date in accordance with this LGIP

8. Please submit the completed application and deposit to:

Avista Corporation

Transmission Contracts

Attn: Warren Clark, MSC - 16

P.O. Box 3727

Spokane, WA 99220-3727

(509) 495-4186

9. This Interconnection Request is submitted by:

Name of Interconnection Customer:

By (signature): _____

Name (type or print): _____

Title: _____

Date: _____

**Attachment A (page 1)
To Interconnection Request**

NOTE: If requested information is not applicable, indicate by marking "N / A."

**LARGE GENERATING FACILITY DATA
UNIT RATINGS**

kVA _____ @ _____ °F Voltage _____
 Power Factor _____
 Speed (RPM) _____ Connection (e.g. Wye) _____
 Short Circuit Ratio _____ Frequency, Hertz _____
 Stator Amperes at Rated kVA _____ Field Volts _____

Max Turbine MW _____ @ _____ °F

COMBINED TURBINE-GENERATOR-EXCITER INERTIA DATA

Inertia Constant, H = _____ kW sec/kVA
 Moment-of-Inertia, WR² = _____ lb. ft.²

REACTANCE DATA (PER UNIT-RATED KVA)

	DIRECT AXIS	QUADRATURE AXIS
Synchronous – saturated	X _{dv} _____	X _{qv} _____
Synchronous – unsaturated	X _{di} _____	X _{qi} _____
Transient – saturated	X' _{dv} _____	X' _{qv} _____
Transient – unsaturated	X' _{di} _____	X' _{qi} _____
Subtransient – saturated	X'' _{dv} _____	X'' _{qv} _____
Subtransient – unsaturated	X'' _{di} _____	X'' _{qi} _____
Negative Sequence – saturated	X _{2v} _____	
Negative Sequence – unsaturated	X _{2i} _____	
Zero Sequence – saturated	X _{0v} _____	
Zero Sequence – unsaturated	X _{0i} _____	
Leakage Reactance	X _{lm} _____	

**Attachment A (page 2)
To Interconnection Request**

FIELD TIME CONSTANT DATA (SEC)

	DIRECT AXIS	QUADRATURE AXIS
Open Circuit	T'_{do} _____	T'_{qo} _____
Three-Phase Short Circuit Transient	T'_{d3} _____	T'_q _____
Line to Line Short Circuit Transient	T'_{d2} _____	
Line to Neutral Short Circuit Transient	T'_{d1} _____	
Short Circuit Subtransient	T''_d _____	T''_{qL} _____
Open Circuit Subtransient	T''_{do} _____	T''_{qo} _____

ARMATURE TIME CONSTANT DATA (SEC)

Three Phase Short Circuit	T_{a3} _____
Line to Line Short Circuit	T_{a2} _____
Line to Neutral Short Circuit	T_{a1} _____

**MW CAPABILITY AND PLANT CONFIGURATION
LARGE GENERATING FACILITY DATA**

ARMATURE WINDING RESISTANCE DATA (PER UNIT)

Positive	R_1 _____
Negative	R_2 _____
Zero	R_0 _____

Rotor Short Time Thermal Capacity I_2^2t _____
 Field Current at Rated kVA, Armature Voltage and PF = _____ Amps
 Field Current at Rated kVA and Armature Voltage, 0 PF = _____ Amps
 Three Phase Armature Winding Capacitance = _____ microfarad
 Field Winding Resistance = _____ ohms @ _____ °C
 Armature Winding Resistance (Per Phase) = _____ ohms @ _____ °C

**Attachment A (page 3)
To Interconnection Request**

CURVES

Provide Saturation, Vee, Reactive Capability, Capacity Temperature Correction curves. Designate normal and emergency Hydrogen Pressure operating range for multiple curves.

GENERATOR STEP-UP TRANSFORMER DATA

RATINGS

Capacity _____ Self-cooled/maximum nameplate
_____/_____ kVA

Voltage Ratio _____ Generator side/System side
_____/_____ kV

Winding Connections Low V/High V (Delta or Wye)
_____/_____

Fixed Taps Available

Present Tap Setting

IMPEDANCE

Positive Z_1 (on self-cooled kVA rating) _____ % _____ X/R

Zero Z_0 (on self-cooled kVA rating) _____ % _____ X/R

EXCITATION SYSTEM DATA

Identify appropriate IEEE model block diagram of excitation system and power system stabilizer (PSS) for computer representation in power system stability simulations and the corresponding excitation system and PSS constants for use in the model.

GOVERNOR SYSTEM DATA

Identify appropriate IEEE model block diagram of governor system for computer representation in power system stability simulations and the corresponding governor system constants for use in the model.

WIND GENERATORS

Number of generators to be interconnected pursuant to this Interconnection Request: _____

Elevation: _____ _____ Single Phase _____ Three Phase

Inverter manufacturer, model name, number, and version:

List of adjustable setpoints for the protective equipment or software:

Note: A completed General Electric Company Power Systems Load Flow (PSLF) data sheet must be supplied with the Interconnection Request. If other data sheets are more appropriate to the proposed device then they shall be provided and discussed at Scoping Meeting.

INDUCTION GENERATORS:

- (*) Field Volts: _____
- (*) Field Amperes: _____
- (*) Motoring Power (kW): _____
- (*) Neutral Grounding Resistor (If Applicable): _____
- (*) I_2^2t or K (Heating Time Constant): _____
- (*) Rotor Resistance: _____
- (*) Stator Resistance: _____
- (*) Stator Reactance: _____
- (*) Rotor Reactance: _____
- (*) Magnetizing Reactance: _____
- (*) Short Circuit Reactance: _____
- (*) 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 consult Transmission Provider prior to submitting the Interconnection Request to determine if the information designated by (*) is required.