Attachment "A-1" to Schedule 152, Page 1

PUGET SOUND ENERGY

Attachment "A-1" Procedures, Terms & Conditions- Tier 1 Generating Facilities

SCHEDULE 152 PROCEDURES, AND TERMS AND CONDITIONS FOR INTERCONNECTING A CERTIFIED INVERTER-BASED GENERATING FACILITY ELIGIBLE FOR TIER 1 ("TIER 1 PROCESS")

- The Interconnection Customer completes an Application in the form of Attachment B to Schedule 152, and submits it to the Company with the non-refundable application fee. If the Interconnection Customer wants to participate in the Net Metering program, the Interconnection Customer competes and submits an Application in the form of in Attachment EZ or Attachment B to Schedule 150, as applicable.
- 2.0 Upon receipt, the Company stamps the Application with the date and time of receipt and within five Business Days the Company sends notice of receipt to the Interconnection Customer.
- 3.0 The Company evaluates the Application for completeness and notifies the Interconnection Customer within 10 Business Days of receipt that the Application is or is not complete and, if not, advises what information is missing.
- 3.01 The Interconnection Customer must submit all information required for a complete Application or request an extension of time within 15 Business Days of receiving notice from the Company that the Application is incomplete. The Company is not obligated to grant a request to extend time to complete the Application. If the Interconnection Customer does not provide the required information or request an extension of time that is granted by the Company within such15-Business Day period, the Application expires.
- 4.0 The Company verifies that the Generating Facility can be Interconnected safely and reliably and in compliance with the technical standards established in WAC 480-108-020 and the Company Codes and Standards. The Company has 20 Business Days after acceptance of a complete Application to complete the verification process and, based on the results of such verification process, shall accept, accept with conditions, or reject the Application with written justification. For Interconnection Customers who do not complete either Attachment EZ or Attachment B to Schedule 150, the notice shall include the Interconnection Agreement in the form of in Attachment I to Schedule 152. If delays result from unforeseen circumstances, Interconnection Customer variance requests, or other incentive program approval requirements, the Company shall promptly notify the Interconnection Customer.
- 4.01 The Interconnection Customer must Interconnect and operate the Generating Facility within one (1) year from the date the Company accepts the Application, or the Application expires, unless the Company, in its sole discretion, grants an extension in writing.
- 4.02 The Interconnection Customer who has not executed an Application in the form of either Attachment EZ or Attachment B to Schedule 150 executes and returns the Interconnection Agreement (in the form of in Attachment I to Schedule 152) within 30 Business Days of the notice that the Company has accepted the Application and prior to physical Interconnection.

Issued: September 2, 2014

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Effective: October 3, 2014 Attachment "A-1" to Schedule 152, Page 2

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Attachment "A-1" Procedures, Terms & Conditions- Tier 1 Generating Facilities

- After installation, the Interconnection Customer returns the Certificate of Completion to the Company. Prior to Parallel Operation, the Company will inspect the Generating Facility for compliance with Company standards, the Company's inspection will include a witness test, and the Company may schedule appropriate metering replacement, if necessary.
- The Company notifies the Interconnection Customer in writing that Interconnection of the Generating Facility is authorized once the Company has completed its inspection and a witness test (if required). If the witness test is not satisfactory, the Company has the right to disconnect the Generating Facility. The Interconnection Customer has no right to Operate in Parallel until a witness test has been performed or previously waived on the Application. The Company may waive the requirement of a witness test by so indicating on the Application.

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Attachment "A-2" to Schedule 152, Page 1

PUGET SOUND ENERGY

Attachment "A-2" Procedures, Terms & Conditions - Tier 2 Generating Facilities

SCHEDULE 152 PROCEDURES, AND TERMS AND CONDITIONS FOR INTERCONNECTING A CERTIFIED INVERTER-BASED GENERATING FACILITY ELIGIBLE FOR TIER 2 ("TIER 2 PROCESS")

- 1.0 The Interconnection Customer completes an Application in the form of (i) Attachment C to Schedule 152 (for Interconnection that will not involve Net-Metering), or (ii) Attachment B to Schedule 150 for Net-Metering, as applicable, and submits it to the Company with the non-refundable application fee.
- 2.0 Upon receipt, the Company stamps the Application with the date and time of receipt and within five Business Days the Company sends a notice of receipt to the Interconnection Customer.
- 3.0 The Company evaluates the Application for completeness and notifies the Interconnection Customer within 10 Business Days of receipt that the Application is or is not complete and, if not, advises what information is missing.
- 3.01 The Interconnection Customer must submit all information required for a complete Application or request an extension of time within 15 Business Days of notice from the Company that the Application is incomplete. The Company is not obligated to grant an extension to complete the Application. If the Interconnection Customer does not provide the required information or request an extension of time that is granted by the Company within such 15-Business Day period, the Application expires.
- 4.0 The Company verifies that the Generating Facility can be Interconnected safely and reliably and is in compliance with the technical standards established in WAC 480-108-020 and the Company Codes and Standards. Within 30 Business Days of notifying the Interconnection Customer that the Application is complete, the Company shall accept, accept with conditions, or reject the Application with written justification. Based on the complexity of the proposed Interconnection, the conditions of acceptance by the Company may include requirements for the completion of a feasibility study, a system impact study, and/or a facilities study prior to Interconnection. Information about the time and costs for each study is available in Attachment L to this Schedule. If delays result from unforeseen circumstances, Interconnection Customer variance requests, or other incentive program approval requirements, the Company shall promptly notify the Interconnection Customer.
- 4.01 For Interconnection Customers who complete an Application in the form of Attachment C to Schedule 152: Within five Business Days of accepting the Application as complete and no additional studies are required or within five Business Days of accepting the Application as complete after additional studies, the Company shall offer the Interconnection Customer an executable Interconnection Agreement in the form of Attachment J to Schedule 152.

Issued: September 2, 2014

Effective: October 3, 2014

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Effective: October 3, 2014 Attachment "A-2<u>" to Schedule 152, Page 2</u>

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Attachment "A-2" Procedures, Terms & Conditions - Tier 2 Generating Facilities

- 4.02 The Interconnection Customer must Interconnect and operate the Generating Facility within one (1) year from the date the Company accepts the Application, or the Application expires, unless the Company, in its sole discretion, grants an extension in writing.
- 4.03 For Interconnection Customers who complete an Application in the form of Attachment C to Schedule 152: The Interconnection Customer shall execute and return the Company-prepared Interconnection Agreement within 30 Business Days of being notified that the Company has accepted the Application and prior to Commissioning of Customer Owned Protection Systems (commonly called the witness test) and physical Interconnection.
- 5.0 After installation, the Interconnection Customer returns the Certificate of Completion to the Company. Prior to Parallel Operation, the Company may inspect the Generating Facility for compliance with standards, which typically includes a witness test, and the Company may schedule appropriate metering replacement, if necessary.
- The Company notifies the Interconnection Customer in writing that Interconnection of the Generating Facility is authorized once the Company has completed its inspection and a witness test (if required). If the witness test is not satisfactory, the Company has the right to disconnect the Generating Facility. The Interconnection Customer has no right to Operate in Parallel until a witness test has been performed or previously waived on the Application. The Company may waive the requirement of a witness test by so indicating on the Application.

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Attachment "A-3" to Schedule 152, Page 1

PUGET SOUND ENERGY

Attachment "A-3" Procedures, Terms & Conditions - Tier 3 Generating Facilities

SCHEDULE 152 PROCEDURES, AND TERMS AND CONDITIONS FOR INTERCONNECTING A CERTIFIED INVERTER-BASED GENERATING FACILITY ELIGIBLE FOR TIER 3 ("TIER 3 PROCESS")

- The Interconnection Customer completes the Application in the form of Attachment C to Schedule 152 (for Interconnection that will not involve Net-Metering), or Attachment B to Schedule 150 for Net-Metering, as applicable, and submits it to the Company with the non-refundable application fee.
- 2.0 Upon receipt, the Company stamps the Application with the date and time of receipt and within five Business Days the Company sends a notice of receipt to the Interconnection Customer.
- 3.0 The Company evaluates the Application for completeness and notifies the Interconnection Customer within 10 Business Days of receipt that the Application is or is not complete and, if not, advises what Information is missing.
- 3.01 The Interconnection Customer must submit all information required for a complete Application or request an extension of time within 30 Business Days after being notified by the Company that the Application is incomplete. The Company is not obligated to grant a request to extend time to complete the Application. If the Interconnection Customer does not provide the required information or request an extension of time that is granted by the Company within such 30-Business Day period, the Application expires.
- 4.0 The Company verifies that the Generating Facility can be Interconnected safely and reliably and is in compliance with the technical standards established in WAC 480-108-020 and the Company Standards. After the Application is complete, the Company has 30 calendar days to accept, accept with conditions, or reject the Application with written justification. Based on the complexity of the proposed Interconnection, the conditions of acceptance by the Company may include requirements for the completion of a feasibility study, a system impact study, and/or a facilities study prior to Interconnection. Information about the time and costs for each study is available in Attachment L to this Schedule. If delays result from unforeseen circumstances, Interconnection Customer variance requests, or other incentive program approval requirements, the Company shall promptly notify the Interconnection Customer.
- 4.01 Within five Business Days of notifying the Interconnection Customer that the Application has been accepted as complete and no additional study(ies) is required or within five Business Days of accepting the Application as complete after additional study(ies) (described in 4.0 above), the Company shall offer an executable Interconnection Agreement in the form of Attachment J to Schedule 152. The Company shall also provide any additional agreements, such as the Construction Agreement in the form attached to this Schedule 152 as Attachment G, that may be necessary along with a good faith estimate of the cost and time necessary to complete the Interconnection.
- 4.02 If the Company, in its sole judgment, determines that additional studies are required to determine the feasibility of Interconnection, the Company must notify the Interconnection Customer within 10 Business Days of the notice of receipt of Application and provide the

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Attachment "A-3" to Schedule 152, Page 2

PUGET SOUND ENERGY

Attachment "A-3" Procedures, Terms & Conditions - Tier 3 Generating Facilities

Interconnection Customer with a form agreement(s) that includes a description of what studies are required and a good faith estimate of the cost and time necessary to perform the studies. The forms of these study agreements are set forth in Attachments D through F and Attachment L to this Schedule 152.

- 4.03 The Interconnection Customer, within 30 Business Days of receiving the form agreement(s) and cost estimate indicating additional studies are required, may provide an alternative cost estimate from a qualified third party or return the completed agreement to the Company. After the Company and the Interconnection Customer agree on the estimated cost of the required study(s), the Interconnection Customer must execute the agreements described in these studies and pay any applicable deposit to the Company. The deposit for each of the required studys shall not exceed the lesser of one thousand dollars or 50% of the estimated cost of the study. The Interconnection Customer shall pay the balance of the costs for each study following delivery by the Company of the results of each study. The Company will use its best effort to complete the required studies, consistent with time requirements for the studies and other service requests of a similar magnitude.
- 4.04 The Interconnection Customer is responsible for all reasonable costs incurred by the Company to study the proposed Interconnection and to design and construct any required Interconnection Facilities or upgrades of the Company's Electric System. The Interconnection Customer is responsible for reasonable ongoing operation and maintenance costs for facilities added to the Company's Electric System that are dedicated to that Interconnection Customer's service.
- 4.05 The Company will provide the Interconnection Customer with the results of the study(ies). If the study(ies) determines that Interconnection is not feasible, the Company will provide notice of rejection and reasons for rejection.
- After all required studies are complete, if the studies determine that Interconnection is feasible without <u>any</u> upgrades or extension of the Company's Electric System, the Company will notify the Interconnection Customer and provide an executable Interconnection Agreement within five Business Days of such notification. If upgrades or extension of the Company's Electric System are required, the Company will provide an executable Interconnection Agreement within 15 Business Days of such notification. The Company will also provide any necessary additional agreements, such as construction agreements, and a good faith estimate of the cost and time necessary to complete the Interconnection. The Interconnection Customer must execute and return such agreements within 30 Business Days of receiving them and pay any deposit required by the Company within 30 Business Days of acceptance of the Application for Interconnection. The deposit shall not exceed 50% of the estimated costs to complete the Interconnection. The balance of the costs shall be paid within 15 Business Days after the Interconnection Customer is billed by the Company.
- 4.07 Based on the results of the required studies, the Company and the Interconnection Customer may agree to modify the previously complete Application for the proposed Interconnection without penalty to the Interconnection Customer. The Company is under no obligation to agree to such modification; however, if the Company agrees to such modification, the modified Application shall be considered an accepted final Application.

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Attachment "A-3" to Schedule 152, Page 3

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Attachment "A-3" Procedures, Terms & Conditions - Tier 3 Generating Facilities

- 4.08 Unless the Interconnection Customer has executed an Application in the form of Attachment B to Schedule 150, it must execute and return the Interconnection Agreement (in the form of Attachment J to Schedule 152) within 30 Business Days of being notified that the Company has accepted the Application and prior to physical Interconnection.
- 4.09 If the Interconnection Customer fails to execute and return completed agreements and required deposits within time frames specified in this section 4, the Company may terminate the application process. The Interconnection Customer will need to reapply to begin the process if they intend to complete their Interconnection.
- 4.10 Other than modification described in 4.07 above, changes by the Interconnection Customer to an Application accepted by the Company will be considered a new Application and shall be accompanied by a new application fee. Rejected Applications expire on the date of rejection.
- 4.11 If the Company must upgrade or construct new electric facilities, the Interconnection Customer must meet the credit requirements of the Company prior to the start of construction, as provided in WAC 480-108-030(10)(e).
- 4.12 The Interconnection Customer must Interconnect and operate the Generating Facility within two (2) years from the date the Company accepts the Application, or the Application and the Interconnection Agreement expire, unless the Company, in its sole discretion, grants an extension in writing.
- After installation, but prior to Interconnection, the Interconnection Customer completes and returns the Certificate of Completion to the Company. Prior to Parallel Operation, the Interconnection Customer is required to schedule a Commissioning and Witness test with the Company two weeks prior to the intended start of Parallel Operation. The Company may inspect the Generating Facility for compliance with standards, the inspection will include a witness test, and the Company may schedule appropriate metering replacement, if necessary.
- 6.0 The Company notifies the Interconnection Customer in writing that Interconnection of the Generating Facility is authorized once the Company has completed its inspection and a witness test (if required). If the witness test is not satisfactory, the Company has the right to disconnect the Generating Facility. The Interconnection Customer has no right to Operate in Parallel until a witness test has been performed, or previously waived on the Application. The Company may waive the requirement of a witness test by so indicating on the Application.

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Attachment "B" to Schedule 152, Page 1

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PUGET SOUND ENERGY

Attachment "B" Application	Tier 1
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SCHEDULE 152 APPLICATION FOR INTERCONNECTING AN INVERTER-BASED GENERATING FACILITY ELIGIBLE UNDER TIER 1

This Application is considered complete when it provides all applicable and correct information required below. Additional information to evaluate the Application may be required. Certain terms in this Application are defined in Schedules 80 and 152.

Application Fee

A non-refundable fee of (if applicable) must accompany this Application.

For UL 1741 Inverter-based Generating Facilities of 0 kW to 25 kW \$ 0.00

For Generating Facilities of 0 kW to 25 kW (without UL 1741 rated inverters) \$100.00

For Generating Facilities of 0 kW to 25 k	W (without UL 1741 rated inverters) \$100.00
Interconnection Customer	
Name:	
	er is a business:
Address:	
	State:Zip:
Telephone (Day):	(Evening):
Fax:	E-Mail Address:
Contact or Consultant (if different from In	terconnection Customer)
Name:	
	State: Zip:
Telephone (Day):	(Evening):
Fax:	E-Mail Address:
	ship by any electric utility or public utility holding company, or
Generating Facility Information	
Location (if different from above):	
	State: Zip:
	Model:
Nameplate Rating: (kW)	(kVA) (AC Volt)

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PUGET SOUND ENERGY
Attachment "B" Tier 1 Application
Teachmone B Troi Tripphoution
Single Phase Three Phase
System Design Capacity: (kW) (kVA)
Prime Mover: Photovoltaic Reciprocating Engine Fuel Cell Turbine
Other
Energy Source: Solar Wind Hydro Diesel Natural Gas Fuel Oil Other (describe)
Is the equipment UL®1741 listed? Yes No
If Yes, attach manufacturer's cut-sheet showing UL®1741 listing
Estimated Installation Date: Estimated In-Service Date:
List components of the Generating Facility equipment package that are currently certified:
Equipment Type Certifying Entity
1
2
3 4
5
Notification of Potential Voltage Irregularities: The Company Electric System voltage may be routinely at the upper limits of the range described in WA0 480-100-373, and this may limit the ability of a Generating Facility to export power to the PSE Electric System. For example, for a nominal 240-volt service the voltage could range up to 252 volts.
Interconnection Customer Signature
I hereby certify that, to the best of my knowledge, the information provided in this Application is
true and correct. I agree to abide by the General Rules and Provisions for Interconnecting a Tier
1 Generating Facility and to return the Certificate of Completion when the Generating Facility has
been installed, but prior to actual Interconnection.
Signed:
Title: Date:
Contingent Approval for Interconnection of the Generating Facility
(For Company use only)
Interconnection of the Generating Facility no larger than 25 kW is authorized contingent upon compliance with the General Rules and Provisions for Interconnection with Electric Generators, including return of the Certificate of Completion and execution of an Interconnection Agreement prior to Interconnection and inspection by the Company.
PSE Representative's Signature:

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	PUGET SOUND ENERG	GY
Title:	Date:	
Company waives inspection	/witness test? Yes No	

Issued: September 2, 2014 Effective: October 3, 2014

Attachment "C" to Schedule 152, Page 1

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PUGET SOUND ENERGY

Attachment "C" Application - Tier 2 and Tier 3

SCHEDULE 152 APPLICATION FOR INTERCONNECTING A GENERATING FACILITY TIER 2 OR TIER 3

This Application is considered complete when it provides all applicable and correct information required below. Additional information to evaluate the Application may be required. Certain terms in this Application are defined in Schedules 80 and 152.

Application Fee A non-refundable fee must accompany this Application. For Generating Facilities of 0 kW to 25 kW, the fee is \$100.00 For Generating Facilities of greater than 25 kW to 500 kW, the fee \$500.00 For Generating Facilities of greater than 500 kW to 20 MW, the fee is \$1000.00 For Generating Facilities of greater than 2 MW or up to 20 MW the fee is \$1000.00. psei. Puget Sound Energy ("PSE" or "Company"): [Note: The blanks below must be filled in prior to sending this form to an Interconnection Customer.] Designated Contact Person: Address: Telephone Number: E-Mail Address: Preamble and Instructions An Interconnection Customer who requests Interconnection must submit this Application by hand delivery, mail, e-mail, or fax to the Company. Interconnection Customer Information Legal Name of the Interconnection Customer (or, if an individual, individual's name) Contact Person: Mailing Address: City: _____ State: ____ Zip: ____

Issued: September 2, 2014 Effective: October 3, 2014

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Attachment "C" to Schedule 152, Page 2

PUGET SOUND ENERGY

	ttachment "C" Application - Tier 2 and Tier 3
	from above):
Telephone (Day):	Telephone (Evening):
Fax:	E-Mail Address:
Alternative Contact Informati	on (if different from the Interconnection Customer)
Contact Name:	
	Telephone (Evening):
Fax:	E-Mail Address:
	New Generating Facility Capacity addition to Existing Generating Facility
If capacity addition to existing	g facility, please describe:
	e used for any of the following?
Net Metering? Yes _ To Supply Power to to To Supply Power to 0	No the Interconnection Customer? Yes No Others? Yes No
For installations at locations will Interconnect, provide:	with existing electric service to which the proposed Generating Facility
	(Existing PSE Account Number*)
Requested Point of Interconn	nection:
Interconnection Customer's F	

<u>Generating Facility Information</u>
Information applies only to the Generating Facility, not to the Interconnection Facilities.

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Attachment "C" to Schedule 152, Page 3

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PUGET SOUND ENERGY

Attachment "C" Application - Tier 2 and Tier 3
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 Turb Microturbine PV Other
Synchronous Generators
Generator Nameplate Rating: kW (Typical) Generator Nameplate
Interconnection Customer or Customer-Site Load: kW (if none, so state) Typical Reactive Load (if known):
Maximum Physical Export Capability Requested:kW
ist components of the Generating Facility equipment package that are currently certified:
Equipment Type Certifying Entity 1
1
s the prime mover compatible with the certified protective relay package?Yes No
Generator: Manufacturer, Model name, & Number:
/ersion Number:
Nameplate Output Power Rating in W: (Summer) (Winter)
Nameplate Output Power Rating in kVA: (Summer) (Winter
ndividual Generator Power Factor: Rated Power Factor: eading: Lagging:
Direct Axis Synchronous Reactance, Xd:P.U. Direct Axis Transient Reactance, X' d:P.U. Direct Axis Subtransient Reactance, X'' d:P.U. Direct Axis Subtransient Reactance, X'' d:P.U. Direct Axis Synchronous Reactance, X' d:P.U. Direct Axis Subtransient Reactance, X' d:P.U. Direct Axis Subtransient Reactance, X' d:P.U. Direct Axis Synchronous Reactance, X' d:

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WN U-60	Attachment "C" to Schedule 152, Page 4	OR
Mc.	PUGET SOUND ENERGY	
AND COLOR OF THE PARTY OF THE P	Attachment "C" Application - Tier 2 and Tier 3	SECURIO DE LA CONTRACTOR DE LA CONTRACTO
Field Amperes:		

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Attachment "C" Applicatio	on - Tier 2 and Tier 3
Induction Generators	
Generator Nameplate Rating: kW (TypkVA:	pical) Generator Nameplate
Interconnection Customer or Customer-Site Load:	kW (if none, so state)
Typical Reactive Load (if known):	
Maximum Physical Export Capability Requested:	kW
List components of the Generating Facility equipment p	package that are currently certified:
1	Certifying Entity
Generator Manufacturer, Model name, & Number: Version Number: Nameplate Output Power Rating in kW: (Summer) (Winter) Nameplate Output Power Rating in kVA: (Summer)	or
Individual Generator Power Factor	Lagging:
Motoring Power (kW):	

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PUGET SOUND ENERGY

Attachment "C" Application - Tier 2 and Tier 3	
Inverter Based Generation	Arm year to the second arm and the second account and the second account and the second account and the second
Source Nameplate Rating: DC KW (Typical) Inverter Nameplat Rating AC KW	.e
Interconnection Customer or Customer-Site Load: kW (if none, Will site load be a separate service	so state)
Reactive Capability :	
Maximum Physical Export Capability Requested:kW	
List components of the Generating Facility equipment package that are currently cer	tified:
Equipment Type Certifying Entity 1	
Generator (or solar collector) Manufacturer, Model name, & Number:	
Version Number:lnverter Model number:	
Output Power Rating in kW: (Summer) (Winter)	
List of adjustable set points for the protective equipment, including software adjustab Contact the Company to discuss this item prior to filling out the Application. Note: A completed Power Systems Load Flow data sheet must be supplied with the	
Generating Facility Characteristic Data (for inverter-based machines	<u>s)</u>
Max design fault contribution current: Instantaneous or	RMS?
Harmonics Characteristics:	
Start-up requirements:	

Issued: September 2, 2014

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Effective: October 3, 2014

Attachment "C" to Schedule 152, Page 7

PUGET SOUND ENERGY	
Attachment "C" Application - Tier 2 and Tier 3	
Generating Facility Characteristic Data (for rotating machines)	

erating Facility Characteristic Data (for rotating machines) Note: Please contact the Company prior to submitting the Application to determine if the specified information below is required. RPM Frequency: (*) Neutral Grounding Resistor (If Applicable): Synchronous Generators: Direct Axis Subtransient reactance, X₂:

Negative Sequence Reactance, X₂:

P.U. Zero Sequence Reactance, X₀. KVA Base: Field Volts: Field Amperes: Induction Generators Motoring Power (kW): l₂²t or K (Heating Time Constant): Rotor Resistance, Rr: Stator Resistance, Rs: Stator Reactance, Xs: Rotor Reactance, Xr: Magnetizing Reactance, Xm: Short Circuit Reactance, Xd": _____ 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 Excitation and Governor System Data for Synchronous Generators Only Provide an appropriate IEEE model block diagram of excitation system, governor system, and power

system stabilizer (PSS) in accordance with the regional reliability council criteria. Studies may determine that a PSS is required. A copy of the manufacturer's block diagram may not be substituted.

Interconnection Facilities Information

Will a tr	ansformer	be used	between the	e generator	and the	Point of	Common	Coupling	(PCC)?
	No			_					,

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FOGET SOUND ENERGY
Attachment "C" Application - Tier 2 and Tier 3
Will the transformer be provided by the Interconnection Customer?YesNo Transformer Data (If Applicable, for Interconnection Customer-Owned Transformer):
Is the transformer:single phasethree phase? Size:kVA Transformer Impedance:% onkVA 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 a copy of the 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 set points for the protective equipment, including software adjustable points:
Setpoint Function Minimum Maximum
1
2
3
4
5
5

If Discrete Components:

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Medican commence of the last of the second commence of the second co	Attachmen	t "C" Application - Tier 2 an	d Tier 3
<i>(</i> =),			
(Enclose Copy of any	Proposed Time-	Overcurrent Coordination Cui	ves)
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Туре:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	Type:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	I ype:	Style/Catalog No.:	Proposed Setting:
Manufacturer:	ı ype:	Style/Catalog No.:	Proposed Setting:
Current Transformer I	Data (if applicable	<u>e):</u>	
(Enclose a copy of the	e Manufacturer's	Excitation and Ratio Correction	on Curves)
Manufacturer:			
Туре:	Accuracy Cla	ass: Proposed Ratio Coni	nection:
Manufacturer:	Accuracy Cla	ass: Proposed Ratio Con	
			lection
Potential Transformer			
Manufacturer:	Accuracy Cla	ass: Proposed Ratio Conr	ection:
Manufacturer:	Accuracy Cla	ass: Proposed Ratio Conr	nection:
General Information			
Facility equipment, cu diagram must be signed	rrent and potention and stamped	e-line diagram showing the co al circuits, and protection and by a Washington State licenso rger than 50 kW. Is one-line	control schemes. This one-line ed electrical Professional
		ion that indicates the precise aphic map or other diagram o	physical location of the proposed r documentation).
Proposed location of p Interconnection Custo		ce equipment on property (inc	lude address if different from the
Enclose a copy of any and control schemes.		ion that describes and details ocumentation enclosed?	the operation of the protection YesNo
Enclose copies of scherelay potential circuits, Are schematic drawing	and alarm/monit	for all protection and control c toring circuits (if applicable). Yes No	circuits, relay current circuits,

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PUGET SOUND ENERGY		
Attachment "C" Application - Tier 2 and Tier 3		
Notification of Potential Voltage Irregularities: The Company's Electric System voltage may be routinely at the upper limits of the range described in WAC 480-100-373, and this may limit the ability of a Generating Facility to export power to the PSE Electric System. For example, for a nominal 240-volt service the voltage could range up to 252 volts.		
Applicant Signature		
I hereby certify that, to the best of my knowledge, all the information provided in this Application is true and correct.		
For Interconnection Customer:		

Issued: September 2, 2014 Effective: October 3, 2014

Attachment "D" to Schedule 152, Page 1

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VIV 0-00	Attachment D to Schedule 132, Page 1	
	PUGET SOUND ENERGY	
	Attachment "D" Feasibility Study	

SCHEDULE 152 FEASIBILITY STUDY AGREEMENT

THIS FEASIBILITY STUDY AGREEMENT ("Agreement") is made and entered into by and between ______ ("Interconnection Customer") and Puget Sound Energy, Inc., (the "Company" or "PSE"). The Interconnection Customer and PSE each may be referred to in this Agreement as a "Party," or collectively as the "Parties." This Agreement is effective on the latest date of execution by a Party as indicated by the date following the signature of each Party.

RECITALS

WHEREAS, Interconnection Customer is proposing to develop a Generating Facility or a generating capacity addition to an existing Generating Facility consistent with the Application submitted by Interconnection Customer on ______; and

WHEREAS, Interconnection Customer desires to Interconnect the Generating Facility with the Company's transmission or distribution system; and

WHEREAS, Interconnection Customer has requested the Company to perform a feasibility study to assess the feasibility of Interconnecting the proposed Generating Facility with the Company's transmission or distribution system;

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

1.0 Definition

Defined terms used in this Agreement are typically capitalized to indicate to the reader that they are defined. Terms used in this Agreement have the meanings specified in Schedule 80 or 152, or if not defined in Schedules 80 or 152, in the Small Generator Interconnection Procedures attached to the Company's Open Access Transmission Tariff.

2.0 Feasibility Study

The Interconnection Customer requests and the Company shall cause to be performed an Interconnection feasibility study consistent with the standard Small Generator Interconnection Procedures in accordance with the Company's Open Access Transmission Tariff. Such study may require execution of a System Impact Study Agreement or a Facilities Study Agreement, both of which are referred to in the Small Generator Interconnection Procedures attached to the Company's Open Access Transmission Tariff.

3.0 Scope of Study

The scope of the feasibility study shall be subject to the assumptions set forth in Appendix A to this Agreement.

Attachment "D" to Schedule 152, Page 2

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Attachment "D" Feasibility Study

4.0 Technical Information

The feasibility study shall be based on the technical information provided by the Interconnection Customer in the Application, as may be modified as the result of the scoping meeting. The Company reserves the right to request additional technical information from the 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 the Interconnection Customer modifies its Application, the time to complete the feasibility study may be extended by agreement of the Parties.

5.0 Reliance on Existing Studies

In performing the feasibility study, the Company shall rely, to the extent reasonably practicable, on existing studies of recent vintage. The Interconnection Customer shall not be charged for such existing studies; however, the 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 Analysis

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 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
- Description and non-binding estimated cost of facilities required to Interconnect the proposed Generating Facility and to address the identified short-circuit and power-flow issues.

7.0 Modeling of Impact of Generating Facility

The feasibility study shall model the impact of the Generating Facility on the Company's Electric System, without regard to the purpose of the facility. Modeling the impact this way avoids creating further expense and interrupting the operation of the facility in the future to perform additional feasibility and impact studies if the Interconnection Customer later changes the purpose of the Generating Facility.

8.0 Multiple Points of Interconnection

The feasibility study shall address multiple potential Points of Interconnection, if requested by the Interconnection Customer. The additional cost of including multiple Points of Interconnection in the study shall be paid by the Interconnection Customer.

Attachment "D" to Schedule 152, Page 3

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Attachment "D" Feasibility Study

9.0 <u>Deposit</u>

The Interconnection Customer will pay a deposit of the lesser of 50% of the good faith estimated feasibility study costs or \$1,000 before the feasibility study begins.

10.0 Feasibility Study Completion

Once the feasibility study is completed, the Company shall prepare a feasibility study report and transmit it to the Interconnection Customer.

11.0 Actual Costs

Any study fees shall be based on the Company's actual costs and will be invoiced to the Interconnection Customer after the study is completed and delivered.

12.0 Payments in Excess of Deposit

The Interconnection Customer must pay any study costs that exceed the deposit, without interest, within 15 calendar days on receipt of the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, the Company shall refund such excess within 15 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 the laws of the State of Washington, without regard to its conflicts of law principles. 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

- 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.
- 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, or duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an Interconnection from the Company. Any waiver of this Agreement shall, if requested, be provided in writing.

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Issued: September 2, 2014 Effective: October 3, 2014

Attachment "D" to Schedule 152, Page 4

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Attachment "D" Feasibility Study

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 using the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement. 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. In no event shall the Company be liable for the actions or inactions of the Interconnection Customer or its subcontractors with respect to obligations of the 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.
- The obligations under this article will not be limited in any way by any limitation of a subcontractor's insurance.

21.0 Reservation of Rights

The Company shall have the right to make a unilateral filing with the Washington Utilities and Transportation Commission ("WUTC") to modify this Agreement with respect to any rates, terms and conditions, charges, classifications of service, rule or regulation, and the WUTC's rules and regulations, and the Interconnection Customer shall have the right to make a unilateral filing with the WUTC under any applicable provision of the WUTC's rules and regulations (e.g., WAC 480-07-910 or WAC 480-07-370). Each Party shall have the right to protest any such filing by the other Party and to participate fully in any proceeding before the

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	Attachment "D" Feasibility Study	

WUTC in which such modifications, filing, or complaint may be considered. Nothing in this Agreement shall limit the rights of the Parties or of the WUTC under the Revised Code of Washington and the WUTC's rules and regulations, except to the extent that the Parties otherwise agree as provided herein.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Puget Sound Energy, Inc.	[Insert name of Interconnection Customer]
Signed	Signed
Name (Printed):	Name (Printed):
Title	Title
Date Signed	Date Signed

Issued: September 2, 2014

Effective: October 3, 2014

Attachment "D" to Schedule 152, Page 6

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PUGET SOUND ENERGY Attachment "D" Feasibility Study

> Appendix A to Feasibility Study Agreement

	Assumptions Used in Conducting the Feasibility Study			
	asibility study will be based upon the information set forth in the Application and agreed upon in ping meeting held on			
1)	Designation of Point of Interconnection and configuration to be studied.			
2)	Designation of alternative Points of Interconnection and configuration.			

Items 1) and 2) are to be completed by the Interconnection Customer. Other assumptions (listed

below) are to be provided by the Interconnection Customer and the Company.

Attachment "E" to Schedule 152, Page 1

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Attachment "E" System Impact Study Agreem	nent

SCHEDULE 152 System Impact Study Agreement

THIS SYSTEM IMPACT STUDY AGREEMENT ("Agreement") is made and entered into by and between

("Interconnection Customer") and Puget Sound Energy, Inc., ("Company" or "PSE"). The Interconnection Customer and the Company each may be referred to in this Agreement as a "Party," or collectively as the "Parties." This Agreement is effective on the latest date of execution by a Party as indicated by the date following the signature of each Party.

RECITALS

WHEREAS, the Interconnection Customer is proposir	ng to develop a Generating Facility or a
generating capacity addition to an existing Generating	g Facility consistent with the Application
submitted by the Interconnection Customer on	; and

WHEREAS, the Interconnection Customer desires to Interconnect the Generating Facility with the Company's transmission system or distribution system;

WHEREAS, the Company has completed a feasibility study and provided the results of said study to the Interconnection Customer [This recital to be omitted if the Parties have agreed to forego the feasibility study]; and

WHEREAS, the Interconnection Customer has requested the Company to perform a system impact study(ies) to assess the impact of interconnecting the Generating Facility with the Company's transmission or distribution system;

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

1.0 <u>Definition</u>

Defined terms used in this Agreement are typically capitalized to indicate to the reader that they are defined. Terms used in this Agreement have the meanings specified in Schedule 80 or 152, or if not defined in Schedules 80 or 152, in the standard Small Generator Interconnection Procedures attached to the Company's Open Access Transmission Tariff.

2.0 System Impact Study

The Interconnection Customer requests and the Company shall conduct one or more system impact studies consistent with the standard Small Generator Interconnection Procedures in accordance with the Company's Open Access Transmission Tariff.

3.0 Scope of System Impact Study

The scope of a system impact study shall be subject to the assumptions set forth in Appendix A to this Agreement.

Attachment "E" to Schedule 152, Page 2

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Attachment "E" System Impact Study Agreement

4.0 **Technical Information**

A system impact study will be based upon the results of the feasibility study and the technical information provided by Interconnection Customer in the Application. The Company reserves the right to request additional technical information from the Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the system impact study. If the Interconnection Customer modifies its designated Point of Interconnection or any information in the Application, the system impact study may take longer to complete and cost more to the Interconnection Customer.

5.0 **Analysis**

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 Application and nonbinding good faith estimates of cost responsibility and time to construct.

6.0 Incorporation of Other Information

A distribution system impact study shall incorporate a distribution load flow study, an analysis of equipment interrupting ratings, a 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 Consideration of Other Generating Facilities

If the Company 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 existing and planned generating facilities (and with respect to paragraph 7.3 below, any identified Upgrades associated with such higher queued Interconnection) that, on the date the system impact study is commenced -

- 7.1 Are directly Interconnected with the Company's Electric System; or
- 7.2 Are Interconnected with Affected Systems and may have an impact on the proposed Interconnection; and
- 7.3 Have a pending higher-queued Application to interconnect with the Company's Electric System.

8.0 Distribution System Impact Study

A distribution system impact study, if required, shall be completed and the results transmitted to the Interconnection Customer after this Agreement is signed by the Parties. A transmission system impact study, if required, shall be completed and the results transmitted to the Interconnection Customer after this Agreement is signed by the Parties and in accordance with the Company's queuing procedures.

Attachment "E" to Schedule 152, Page 3

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Attachment "E" System Impact Study Agreement

9.0 Deposit

The Interconnection Customer will pay a deposit of the lesser of one thousand dollars or 50% of the good faith estimated cost of a distribution system impact study.

10.0 **Actual Costs**

Any study fees shall be based on the Company's actual costs and will be invoiced to the Interconnection Customer after the study is completed and delivered and will include a summary of professional time.

11.0 Payments in Excess of Deposit

The Interconnection Customer must pay any study costs that exceed the deposit, without interest, within 15 calendar days after receiving the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, the Company shall refund such excess within 15 calendar days of the invoice without interest.

12.0 Governing Law, Regulatory Authority, and Rules

The validity, interpretation, and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Washington, without regard to its conflicts of law principles. 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.

13.0 Amendment

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

14.0 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.

15.0 Waiver

- The failure of a Party to this Agreement to insist, on any occasion, upon strict 15.1 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.
- 15.2 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, or duty of this Agreement. Termination or default of this Agreement for any reason by the Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an Interconnection from the Company. Any waiver of this Agreement shall, if requested, be provided in writing.

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Issued: September 2, 2014 Effective: October 3, 2014

Attachment "E" to Schedule 152, Page 4

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Attachment "E" System Impact Study Agreement

16.0 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.

17.0 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.

18.0 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.

19.0 Subcontractors

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

- 19.1 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. In no event shall the Company be liable for the actions or inactions of the Interconnection Customer or its subcontractors with respect to obligations of the 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.
- 19.2 The obligations under this article will not be limited in any way by any limitation of a subcontractor's insurance.

20.0 Reservation of Rights

The Company shall have the right to make a unilateral filing with the Washington Utilities and Transportation Commission ("WUTC") to modify this Agreement with respect to any rates, terms and conditions, charges, classifications of service, rule or regulation, and the WUTC's rules and regulations, and the Interconnection Customer shall have the right to make a unilateral filing with the WUTC under any applicable provision of the WUTC's rules and regulations (e.g., WAC 480-07-910 or WAC 480-07-370). Each Party shall have the right to protest any such modification, filing, or complaint by the other Party and to participate fully in any proceeding before the WUTC. Nothing in this Agreement shall limit the rights of the

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Attachment "E" to Schedule 152, Page 5

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PUGET SOUND ENERGY

Attachment "E" System Impact Study Agreement

Parties or of the WUTC under the Revised Code of Washington and the WUTC's rules and regulations, except to the extent that the Parties otherwise agree as provided herein.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Puget Sound Energy, Inc.	[Insert name of Interconnection Custome	er]
Signed	Signed	
Name (Printed):	Name (Printed):	
Title	Title	
Date Signed	Date Signed	

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Effective: October 3, 2014
Attachment "E" to Schedule 152, Page 6

PUGET SOUND ENERGY

Attachment "E" System Impact Study Agreement

Appendix 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 (if any), subject to any modifications in accordance with the SGIP, and the following assumptions:

- 1) Designation of Point of Interconnection and configuration to be studied, as shown on a site or plot map.
- 2) Designation of alternative Points of Interconnection and configuration.

Provide a one-line diagram showing the proposed Point of Interconnection and any electrical service to be provided to the site.

Items 1) and 2) are to be completed by the Interconnection Customer. Other assumptions (listed below) are to be provided by the Interconnection Customer and the Company.

Attachment "F" to Schedule 152, Page 1

WN U-60 **PUGET SOUND ENERGY** Attachment "F" Facilities Study Agreement

SCHEDULE 152 Facilities Study Agreement

THIS FACILITIES STUDY AGREEMENT ("Agreement") is made and entered into by and between ("Interconnection Customer") and Puget Sound Energy, Inc., ("Company" or "PSE"). The Interconnection Customer and PSE each may be referred to in this Agreement as a "Party," or collectively as the "Parties." This Agreement is effective on the latest date of execution by a Party as indicated by the date following the signature of each Party.

RECITALS

WHEREAS, the Interconnection	Customer is proposing to develop a	Generating Facility or generating
capacity addition to an existing (Generating Facility consistent with th	e Application submitted by the
Interconnection Customer on	; and	· ·

WHEREAS, the Interconnection Customer desires to Interconnect the Generating Facility with the Company's transmission system or distribution system;

WHEREAS, the Company has completed a system impact study and provided the results of said study to the Interconnection Customer; and

WHEREAS, the Interconnection Customer has requested the Company 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 Generating Facility with the Company's transmission system or distribution system.

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

1.0 Definition

Defined terms used in this Agreement are typically capitalized to indicate to the reader that they are defined. Terms used in this Agreement have the meanings specified in Schedule 80 or 152, or if not defined in Schedules 80 or 152, in the standard Small Generator Interconnection Procedures attached to the Company's Open Access Transmission Tariff.

2.0 Facilities Study

The Interconnection Customer requests and the Company shall conduct a facilities study consistent with the standard Small Generator Interconnection Procedures to be performed in accordance with the Company's Open Access Transmission Tariff.

3.0 Scope of Study

The scope of the facilities study shall be subject to data provided in Appendix A to this Agreement.

Attachment "F" to Schedule 152, Page 2

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Attachment "F" Facilities Study Agreement

4.0 Technical Information

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(ies). 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 the Company'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.

AS-BUILT DOCUMENTATION DEADLINE

The final "As-Built" documentation, including, without limitation, all drawings and final "As-Left" relay settings, must be provided by the Interconnection Customer to the Company no later than 90 days after the date of commercial operation. If the Generating Facility is 1 MVA or greater, the final As-Built drawings shall be stamped by a Professional Engineer registered in the State of Washington.

5.0 Facilities Study Grouping

The Company 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 Generating Facility if it is willing to pay the costs of those facilities and the additional costs to separately install such facilities.

6.0 Deposit

The Company may require the Interconnection Customer to make a deposit not to exceed the lesser of one thousand dollars, or 50% of the good faith estimated facilities study costs or as allowed in WAC 480-108.

7.0 Facilities Study Completion

Once the facilities study is completed, the Company shall prepare a facilities study report and transmit it to the Interconnection Customer.

8.0 Actual Costs

The Company shall base any study fees on its actual costs and will provide an invoice to the Interconnection Customer after completing the study and delivering its report.

9.0 Payments in Excess of Deposit

The Interconnection Customer must pay any study costs that exceed the deposit, without interest, within 15 calendar days after receiving the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, the Company shall refund such excess within 15 calendar days of the invoice without interest.

10.0 Governing Law, Regulatory Authority, and Rules

The validity, interpretation, and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Washington, without regard to its conflicts of law principles. This Agreement is subject to all Applicable Laws and Regulations. Each Party

Attachment "F" to Schedule 152, Page 3

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Attachment "F" Facilities Study Agreement

expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

11.0 Amendment

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

12.0 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.

13.0 Waiver

- 13.1 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.
- 13.2 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, or duty of this Agreement. Termination or default of this Agreement for any reason by the Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an Interconnection from the Company. Any waiver of this Agreement shall, if requested, be provided in writing.

14.0 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.

15.0 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.

16.0 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.

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Issued: September 2, 2014 Effective: October 3, 2014

Effective: October 3, 2014
Attachment "F" to Schedule 152, Page 4

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Attachment "F" Facilities Study Agreement

17.0 <u>Subcontractors</u>

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

- 17.1 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. In no event shall the Company be liable for the actions or inactions of the Interconnection Customer or its subcontractors with respect to obligations of the 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.
- 17.2 The obligations under this article will not be limited in any way by any limitation of a subcontractor's insurance.

18.0 Reservation of Rights

The Company shall have the right to make a unilateral filing with the Washington Utilities and Transportation Commission ("WUTC") to modify this Agreement with respect to any rates, terms and conditions, charges, classifications of service, rule or regulation, and the WUTC's rules and regulations, and the Interconnection Customer shall have the right to make a unilateral filing with the WUTC under any applicable provision of the WUTC's rules and regulations (e.g., WAC 480-07-910 or WAC 480-07-370). Each Party shall have the right to protest any such modification, filing or complaint by the other Party and to participate fully in any proceeding before the WUTC in which such modifications, filing, or complaint may be considered. Nothing in this Agreement shall limit the rights of the Parties or of the WUTC under the Revised Code of Washington and the WUTC's rules and regulations, except to the extent that the Parties otherwise agree as provided herein.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Puget Sound Energy, Inc.	[Insert name of Interconnection Custom	er
Signed	Signed	
Name (Printed):	Name (Printed):	

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Issued: September 2, 2014 Effective: October 3, 2014 Attachment "F" to Schedule 152, Page 5

PUGET SOUND ENERGY		
Attachment "F" Facilities Study Agreement		
Title	Title	_
Date Signed	Date Signed	

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Issued: September 2, 2014
Effective: October 3, 2014
Attachment "F" to Schedule 1

Attachment "F" to Schedule 152, Page 6

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Attachment "F" Facilities Study Agreement

Appendix A to Facilities Study Agreement

Data to Be Provided by the Interconnection Customer With the Facilities Study Agreement

Provide the following:

- 1. Location plan:
 - This is the same document as in the final System Impact Study. If changed, note changes from the final plan in the System Impact Study.
- 2. Detailed one-line diagram of entire Generating Facility system: This drawing shows the functional arrangement of all interconnection and generation equipment and station facilities (power from the Company) using single-line and standard symbol notations per ANSI 432.2 and 41.1. It must include a table that lists the equipment ratings. On the one-line diagram, indicate the generation capacity attached at each metering location (maximum load on CT/PT) and indicate the location of auxiliary power. (Minimum load on CT/PT)
- An AC current and potential control schematic of the Generating Facility:
 The AC schematic is a primary three-line drawing showing the phasing and Interconnection of the CTs and VTs with the Interconnection protection. The drawings shall show all grounding of cables, CTs, etc., as well as indicating polarity.
- 4. A control schematic of the Generating Facility: The schematic shall be functionally complete showing all DC potential circuits with all relays and control connections to the tripping and closing coils of the Interconnection breaker. All relay output contacts and switches require a development table. The schematic must show the terminal designation of all devices.
- A three-line diagram of the Generating Facility:
 This drawing must include all the equipment shown on the one-line diagram. Phasing and bushing designations for all primary equipment shall be shown.

For staged projects, please indicate future generation, transmission circuits or distribution circuits, etc.

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Note: In order to avoid any unnecessary costs associated with changes to the preliminary design plans, this preliminary design package should be submitted prior to the Interconnection Customer ordering any equipment or beginning any major detailed engineering consultant work.		
One set of metering is required for each generation connection to the new ring bus or existing Company 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 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 or distribution line, and property lines.		
Physical dimensions of the proposed Interconnection station:		

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Bus length from generation to Interconnection	on station:	
Line length from Interconnection station to C	Company's transmission system or distribution system.	
Tower number observed in the field. (Painte	od on tower leg)*:	
Number of third-party easements required for	or transmission lines or distribution lines*:	
* To be completed in coordination w Please provide the following proposed schee		
Begin Construction	Date:	
Generator step-up transformers receive back feed power	Date:	
Generation Testing	Date:	
Commercial Operation	Date:	

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Attachment "G" Construction Agreement

1SCHEDULE 152 CONSTRUCTION AGREEMENT

THIS CONSTRUCTION AGREEMENT ("Agreement") is made and entered into by and between _, ("Interconnection Customer.") and Puget Sound Energy, Inc., (the "Company" or "PSE"). The Interconnection Customer and PSE each may be referred to in this Agreement as a "Party," or collectively as the "Parties." This is effective on the latest date of execution by a Party as indicated by the date following the signature of each Party.

RECITALS

WHEREAS, Interconnection Customer is developing a Generating Facility or making a generating capacity addition to an existing Generating Facility consistent with the Application submitted by Interconnection Customer on

WHEREAS, Interconnection Customer desires to Interconnect the Generating Facility with the Company's transmission or distribution system; and

WHEREAS, Interconnection Customer has requested the Company to design, engineer, and construct the necessary Company-owned transmission or distribution facilities to Interconnect the proposed Generating Facility with the Company's transmission or distribution system:

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

1.0 Definition

Defined terms used in this Agreement are typically capitalized to indicate to the reader that they are defined. Terms used in this Agreement have the meanings specified in Schedule 80 or 152, or if not defined in Schedules 80 or 152, in the standard Small Generator Interconnection Procedures attached to the Company's Open Access Transmission Tariff.

2.0 Design, Engineering, and Construction

The Interconnection Customer requests and the Company shall conduct the design, engineering, and construction of the Interconnection Facilities that will be owned and operated by the Company.

3.0 Scope of Construction

The scope of the construction shall be subject to the assumptions set forth in Appendix A to this Agreement.

4.0 Technical Information

The construction shall be based on the technical information provided by the Interconnection Customer in the Application, as may be modified as the result of the scoping meeting. The Company reserves the right to request additional technical information from the Interconnection Customer as may reasonably become necessary consistent with Good Utility Practice during the course of the engineering or construction. If the Interconnection

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Customer modifies its Application, the time to complete the construction may be extended by agreement of the Parties.

5.0 Responsibility for Design, Engineering, and Construction Costs

The Interconnection Customer shall be responsible for all costs associated with design. engineering, construction, operation, and maintenance of the Interconnection Facilities to be owned and operated by the Company. These costs include, but are not limited to, those associated with future upgrades or modifications required by changes made to the Company Electric System or increased generating capacity of the Interconnection Customer's Generating Facility.

AS-BUILT DOCUMENTATION DEADLINE

The final "As-Built" documentation, including, without limitation, all drawings and final "As-Left" relay settings, must be provided by the Interconnection Customer to the Company no later than 90 days after the date of commercial operation. If the Generating Facility is 1 MVA or greater, the final As-Built drawings shall be stamped by a Professional Engineer registered in the State of Washington

6.0 Responsibility for Upgrade and Modification Costs

The Interconnection Customer shall also be responsible for all costs associated with future upgrades or modifications to the Generating Facility or the Interconnection Customer-owned Interconnection Facilities that are made necessary by modifications the Company makes to its transmission or distribution system.

7.0 Deposit

The Interconnection Customer shall pay a deposit equal to 50% of the total estimated cost to design, engineer, and construct facilities within 30 Business Days of the Company's acceptance of the final Application. In addition, the Interconnection Customer shall meet the credit requirements of the Company prior to the start of construction.

8.0 Construction Completion

Barring unusual circumstances, the construction is estimated to be completed within Business Days of the Interconnection Customer's agreement and execution of this Agreement and the appropriate Interconnection Agreement and payment of a deposit not to exceed 50% of the costs of construction. The final invoice for construction will be issued after completion of construction.

9.0 **Actual Costs**

Any charges shall be based on the Company's actual costs and will be invoiced to the Interconnection Customer after the construction is completed.

10.0 Payments in Excess of Deposit

The Interconnection Customer must pay any construction costs that exceed the deposit, without interest, within 15 calendar days after receiving the invoice or resolution of any dispute. If the deposit exceeds the invoiced fees, the Company shall refund such excess within 15 calendar days of the invoice without interest.

11.0 Governing Law, Regulatory Authority, and Rules

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The validity, interpretation, and enforcement of this Agreement and each of its provisions shall be governed by the laws of the State of Washington, without regard to its conflicts of law principles. 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.
- 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, or duty of this Agreement. Termination or default of this Agreement for any reason by the Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an Interconnection from the Company. 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.

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18.0 Subcontractors

Nothing in this Agreement shall prevent a Party from using the services of any subcontractor it deems appropriate to perform its obligations under this Agreement. 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. In no event shall the Company be liable for the actions or inactions of the Interconnection Customer or its subcontractors with respect to obligations of the 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 a subcontractor's insurance.

19.0 Reservation of Rights

The Company shall have the right to make a unilateral filing with the Washington Utilities and Transportation Commission ("WUTC") to modify this Agreement with respect to any rates, terms and conditions, charges, classifications of service, rule, or regulation and the WUTC's rules and regulations, and the Interconnection Customer shall have the right to make a unilateral filing with the WUTC under any applicable provision of the WUTC's rules and regulations (e.g., WAC 480-07-910 or WAC 480-07-370). Each Party shall have the right to protest any such modification, filing or complaint by the other Party and to participate fully in any proceeding before the WUTC in which such modifications, filing or complaint may be considered. Nothing in this Agreement shall limit the rights of the Parties or of the WUTC under the Revised Code of Washington and the WUTC's rules and regulations, except to the extent that the Parties otherwise agree as provided herein.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Puget Sound Energy, Inc.	[Insert name of Interconnection Customer]
Signed	Signed
Name (Printed):	Name (Printed):

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PUGET SOUND ENERGY			
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Title	Title		
Date Signed	Date Signed		

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Attachment "G" Construction Agreement

Appendix A to **Construction Agreement**

Assumptions Used in Engineering and Construction

The construction will be based upon the information set forth in the Application that includes the Facilities Study and schedule for construction

1) Designation of Point of Interconnection.

Item 1) is to be completed by the Interconnection Customer. Other assumptions (listed below) are to be provided by the Interconnection Customer and the Company.

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Attachment "H" to Schedule 152, Page 1

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Attachment "H" Certificate of Completion

SCHEDULE 152 TIER 1, 2, & 3 GENERATING FACILITY CERTIFICATE OF COMPLETION

Is the Generating Facility owner-i	nstalled? Yes No	
Interconnection Customer:		· .
Contact Person:		
Address:		
City:		
Location of the Generating Facilit	y (if different from above):	
City:	State:	Zip Code:
Telephone (Day):	(Evening):	
Fax:	E-Mail Address:	
Electrician – Company Name:		**************************************
Electrician's Name:		
Address:		
City:		
Telephone (Day):	(Evening):	
Fax:		
License Number:		
Date of approval to install Genera	iting Facility granted by PSE:	
Application number:		
Inspection:		
The Generating Facility has been	installed and inspected in compli	ance with the local building/
electrical code of		
Signed (Local electrical wiring ins		
Print Name:		
Date:		

As a condition of Interconnection, you are required to send/fax a copy of this form along with a copy of the signed electrical permit to (insert Company information below):

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		PUGET SOUND ENERGY	
	Attac	chment "H" Certificate of Completion	
	Address: City, State, ZIP: _	Sound Energy	
Contingent		ect a Tier 1 Generating Facility No Larger t	han 25 KW
	any use only)		Man 20 year
Interconned Interconned 152)	cting the Generating Facting a Tier 1 Generatin	acility is approved contingent upon the Terr ng Facility No Larger than 25kW (See Attac	ns and Conditions for chment "A-1" to Schedule
Company S	Signature:		
Title:		Date:	
		vitness test? Yes No	
Contingent	Approval to energize a	all other Generating Facilities	78.66
(For Compa	any Use Only)		
nterconnect WAC, comp completion	tion Agreement, compl pliance with all applicab of an inspection and w	Facility is approved contingent upon execuliance with Company standards, compliant ole codes and standards for safe and reliabilitness test by the Company.	ce with Chapter 480-108 ble operation, and
Fitle:		Date:	
Application	number		