



Renewable Portfolio Standard (RPS) Facility Certification: Thermal supplement

*All information provided in this application or any supplemental or additional materials is subject to public disclosure.
The signed attestation provided on the Oregon RPS Standard Application applies to the information in this supplement.*

FACILITY NAME:

WREGIS GU ID:

Section I: Applicant Information

Applicant Contact/Title:

Applicant Phone:

Applicant Email:

Applicant Company Name:

Section II: Facility Information

Unit Name:

Facility Name:

Facility Location (street address, legal description, or GPS coordinates):

City:

County:

State/Province:

Zip Code:

Country:

Section III: Thermal Generation

3. Summary description of thermal generation resource used to create electricity generation described in the general application for facility certification (e.g. technology types used, fuels utilized, and steam, gas, or liquid conditions):

Attach **Appendix A** that details the thermal resource generation. Include description of equipment that converts the biomass into a useable thermal resource.

4. Thermal generation system fuel input at nameplate capacity (Btu/hr)

For example, provide the BTU per hour of the biomass going to the boiler:

Also calculate the input energy equivalent in KW (where 1KW=3,412 Btu/hr)

Section V: Thermal Usage

5. Summary description of the system(s) using the thermal resource after being used for generation of electricity (e.g. number and capacity of kilns, dryers, vats, heating coils, etc., description of condensate return system):

6. Describe the displacement of fuel(s) by the secondary use of thermal energy. Identify the process used for displacement. *Note – this section is intended to identify the alternative non-renewable fuels (e.g. natural gas or propane) that could have been used to provide thermal resources for the secondary purpose in the facility.*

Attach **Appendix B** that contains details of thermal usage, including (but not limited to) system schematic of thermal resource and usage, typical operating conditions of systems using thermal resources, identification of thermal resource used for station service, condensate return description, estimated schedule of operation, and annual thermal energy usage estimates.

Section VI: Thermal Energy Measurement Plan

Attach **Appendix C** that describes the data measurements to be collected to allow calculation/verification of net thermal energy usage, all associated measurement devices and device locations, data format and storage, data gathering techniques (interval and process), measurement system calibration, calculation methodology, discount factors, and other relevant equipment and activities that will be used to determine the quantity of qualifying thermal energy. Include all documentation, including drawings, specifications, piping and instrumentation diagrams, and other vendor reference information as needed to substantiate the methodology.

Section VII: Data Management Contact

- 7. Facility Data Manager Name:
- 8. Facility Data Manager Phone:
- 9. Facility Data Manager Email:



Renewable Portfolio Standard (RPS) Facility Certification: Thermal supplement checklist

Please refer to this checklist before submitting application to ODOE to ensure all requirements have been satisfied.

- The Application is **COMPLETE**.
 - All spaces/sections completed
 - All appropriate attachments/documents included

- WREGIS GU ID obtained (or applied for on _____ (date))

- Application includes a complete description of secondary thermal uses following power generation processes and differentiates station service thermal requirements.

- Thermal Supplement Application accompanies completed General Application and Biomass Supplement Application. If Applicant already has a General Application and Biomass Supplement Application on file with Oregon Department of Energy, these Applications do not need to be resubmitted unless facility details have changed.

All boxes MUST be checked in order for Application to be considered COMPLETE