



New Jersey's Clean Energy ProgramTM

Renewable Energy Incentive Program

Final As-Built Technical Worksheet – Biopower Equipment

Please read carefully all of the following information. With the help of your installation contractor, fully complete sections A through D (choosing either B or C). ALL PARTIES MUST SIGN SECTION E.

A: Site Host Contact / Applicant Information

The name that appears on the REIP Application Form must be the name that appears on this form. Please include applicant company name for non-residential projects. The Approval Number is the number (beginning with the letters REIP) that appears in the approval letter you received from *New Jersey's Clean Energy Program*.

B: Equipment Information (Power only)

Note: Complete either Section B (for Power only equipment) or Section C (for Combined Heat and Power equipment)

1. The equipment listed in this section of the Final As-Built Technical Worksheet – Biopower Equipment must be a true representation of the equipment installed at the site covered by this submittal.
2. To determine the total system rated net continuous output, multiply the capacity rating per generator by the number of generators.
3. 5" x 7" digital photograph(s) of at least 300 DPI must be submitted and affixed to the attached template. The photographs must be an accurate and true representation of the system installed.

C: Equipment Information (CHP)

1. The equipment listed in this section of the Final As-Built Technical Worksheet – Biopower Equipment must be a true representation of the equipment installed at the site covered by this submittal.
2. CHP systems with waste heat utilization must achieve annual system efficiency of at least 60%, based on total energy input and total utilized energy output. Mechanically-developed energy may be included in the efficiency evaluation.
3. 5" x 7" digital photograph(s) of at least 300 DPI must be submitted and affixed to the attached template. The photographs must be an accurate and true representation of the system installed.

D: System Cost Information

Applicants **must** supply cost information that is accurate and has been updated to reflect the total installed cost of the as-built system as of the date of this submittal. Cost data can be submitted for protection under New Jersey's Open Public Records Act (OPRA) by following the Board's procedures found at www.nj.gov/bpu.

E: CERTIFICATION (Signatures Required)

By signing the certification the installer, site host contact/applicant, and system owner, if different, attest to the accuracy and completeness of the information. The signature for the installer shall be from an Officer, Principle or Executive of the company that has signing authority for the company.



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A: SITE HOST CONTACT / APPLICANT INFORMATION

Applicant Name: _____ Approval Number _____
 Applicant Company Name: (if applicable) _____ (Assigned by the NJCEP MM/ NJBPU)

B: EQUIPMENT INFORMATION (POWER ONLY)

Complete either Section B (for Power only equipment) or Section C (for Combined Heat and Power equipment)

1. Electrical Generator Equipment Type (i.e., gas engine, gas turbine, etc.) _____
2. Electrical Generator Manufacturer: _____
3. Model Number: _____
4. Energy Input (MMBtu): _____
5. Capacity Rating of each Electric Generator: _____ AC Watts
6. Number of Electric Generators: _____
7. Total System Rated Net Continuous Output: _____ AC Watts (No. of Electric Generators x Capacity Rating)

C: EQUIPMENT INFORMATION (CHP)

1. CHP Equipment Type (i.e., gas engine, gas turbine, etc.) _____
2. CHP Equipment Manufacturer _____
3. Model Number _____
4. Primary use for thermal energy _____
5. Capacity Rating of each CHP system: _____ AC Watts
6. Number of CHP systems: _____
7. Total System Rated Net Continuous Output: _____ AC Watts (No. of CHP systems x Capacity Rating)

System Overview (annual)		
Prime Mover Type		
Energy Input	(MMBtu)	
Electric Output	(kWh)	
	(MMBtu)	
Recoverable Thermal Output	(MMBtu)	
Utilized Thermal Output (1)	(MMBtu)	
Annual System Efficiency (2)	(%)	

Rated System Information		
Prime Mover Model		
Energy Input	(MMBtu/h)	
Rated Electric Output	(kW)	
	(MMBtu/h)	
Total Thermal Output	(MMBtu/h)	
Recoverable Thermal Output	(MMBtu/h)	
Fuel Conversion Efficiency (3)	(%)	

- (1) – Utilized thermal output is heat used from the CHP systems for the purpose of heating and cooling 1kWh = 0.003412 MMBtu
 (2) – Annual System Efficiency = (Electric output (MMBtu) + Utilized Thermal Output)/Energy Input
 (3) – Fuel Conversion Efficiency (FCE) = (Rated Electric Output (MMBtu/h) + Recoverable Thermal Output)/Energy Input
 FCE is defined as the ratio (expressed as a percentage) of the total usable energy produced by a technology to the sum of all fuel or other energy inputs to the technology measured at each fuel's higher heating value.

D: SYSTEM COST INFORMATION

Total Installed System Cost: \$ _____

You must supply cost information that is accurate and based upon the actual as-built installation cost. Eligible installed system cost includes all key system components, installation, and applicable interconnection costs before *New Jersey's Clean Energy Program* incentive, less any other direct incentives. These costs must be documented by invoices from the vendor(s), as well as proof of customer purchase (copy of customer's check, credit card receipt or lease contract and documentation) submitted with this Final As-Built packet.)



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E: CERTIFICATION (Signatures Required)

The undersigned by signing below attest to the accuracy and completeness of the above and any information provided with this submittal. If the NJCEP determines through an evaluation process of either on-site inspection or audit that the system has been misrepresented or that the paper work submittal is found to have violated program procedures then the contractor may be subject to corrective action as described in the Contractor Remediation Procedures specified in the Board Order dated October 15, 2010, Docket No. EO07030203.

The signature for the installer shall be an Officer, Principle or Executive of the company that has signing authority for the company.

System Owner: _____	Installer: _____	Site Host Contact: _____
Signature: _____	Signature: _____	Signature: _____
Print Name: _____	Print Name: _____	Print Name: _____
Date: _____	Date: _____	Date: _____



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System photos that are attached must be a true representation of the system installed per the application

ELECTRIC GENERATOR OR CHP SYSTEM

Insert 5" X 7" 300 DPI Photo Here

NAMEPLATE OF ELECTRIC GENERATOR OR CHP SYSTEM

Insert 5" X 7" 300 DPI Photo Here



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SITE CHANGES

Insert 5” X 7” 300 DPI Photo Here

ANSI C12.1 - 2008 METER

Insert 5” X 7” 300 DPI Photo Here