

Project Evaluation Form

Date: _____

To Estimate Green Machine Output in kWe

Accurate heat and flow data allow BrushCo to estimate recoverable BTU at a potential Green Machine site. Condensing cycle and source data allow us to establish the Delta T critical to power generation. Attention to detail while completing the entire form is greatly appreciated.

Company Name: _____

Contact Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Name: _____ Phone: _____

E-Mail: _____

Installation Site Conditions

Hours of Operation _____ HRS PER YEAR (Minimum of 6,000)

Customer Electrical Cost _____ per kWh

(from power bill - target minimum \$0.10/kWh)

Project Name and Description

Heat Source: An analysis of the heat temperatures and flows are necessary to determine recoverable BTU.

Liquid Heat Temperature _____ F; Flow _____ GPM
(Target Minimum of 175 F, Minimum Flow 150 GPM)

Type of Liquid

Water Glycol Mix Therminol
 Dowtherm Other: _____

Gas Exhaust or Stack Heat

Temp: _____ °F Flow _____ SCFM or _____ ACFM
(Minimum temp 400 F, minimum flow 7,000 SCFM)

Exhaust Heat Sources (Exhaust-to-liquid Heat Exchanger Required).

Please indicate one of the following.

Oven Steam Boiler Fume Incinerator
 Diesel Engine Hot Water Boiler Thermal Oxidizer
 Furnace
 Natural Gas Engine (Operating Steam Pressure _____ PSIG)
 Other _____

Low Pressure Steam

Temp _____ °F Pressure _____ psig Flow _____ lbs/hr
(Maximum temp 300F, Maximum Pressure 15psi, Minimum Flow 2,500 lbs/hr)

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Cooling Source, Heat Sink: (Condensing Source) An analysis of the condensing cycle is necessary in order to establish the Delta T for power generation

Water Cooled Temp _____ °F Flow _____ GPM(Gallons Per. Minute)
(Target maximum temp 140°F less than heat source, minimum flow 150 GPM)

Source of condensing water:

- | | |
|---|--|
| <input type="checkbox"/> Boiler Feedwater | <input type="checkbox"/> Boiler Makeup Water |
| <input type="checkbox"/> Cooling Tower | <input type="checkbox"/> Process Water |
| <input type="checkbox"/> Potable Water | <input type="checkbox"/> Swimming Pool Water |
| <input type="checkbox"/> Other _____ | |

Air Cooled Temp _____ °F Flow _____ CFM(Cubic Feet Per. Minute)
(Target maximum temp 80°F, Minimum Flow 7,000 CFM)

Average Ambient Temperatures

Summer _____ °F Winter _____ °F
Humidity _____ %

Justification for Purchase

- Green Benefits
- Carbon Credits
- Tax Incentive
- Emission Reductions
- ROI
- Lower Fuel Cost
- Other: _____

Attention End User

We rely on data you provide above to estimate power output for your specific application. Please verify with your signature below that the information is complete and accurate.

Verified by: _____

Special Notes

Contact Name: _____