



ORC Project Evaluation

Thank you for completing the information about your prospective project. We will rely on this information for preliminary analysis for the potential of your application in order to quote you. *If actual data is not available, please indicate estimates with an **.

1 Project Information

Company: _____ Contact Name: _____

Address: _____

Phone: _____ Email: _____

2 Site Information:

Project Description: _____ Location: _____

Project Development Stage: (check all started):
 Feasibility Planning Funding Design Engineering Construction Operational

REASON FOR PURCHASE (Check all that pertain to your company's needs)
 Energy Efficiency Energy Savings Emission Reduction/Green Benefits Increase Revenue & Profits/ROI
 Tax Incentives Carbon Credits Other: _____

VERY IMPORTANT to calculate payback period

Highest Average Electrical Cost _____ per kWh** (min. for acceptable payback is USD.06¢) Currency Type: _____

**** To determine your true cost of power, take your total bill and divide it by the kilowatt hours used**

3 HEAT SOURCE

An analysis of the heat temperatures and flows necessary to determine power generation from low temperature sources. Higher temperature sources should use Steam Project Evaluation form.

LIQUID HEAT SOURCE: Water Glycol Mix Therminol
 Dowtherm Other: _____

Temp In: (Max 248 °F/120 °C; Minimum 175 °F/80 °C): _____ °F °C

Flow (minimum 100GPM/.3785 m³/min): _____ GPM m³/m

GAS EXHAUST or STACK HEAT

Oven Natural Gas Engine Hot Water Boiler Furnace
 Diesel Engine Thermal Oxidizer Fume Incinerator
 Steam Boiler operating steam pressure: _____ PSIG BARG
 Other: _____

Temp: _____ °F °C (Exhaust-to-liquid Heat Exchanger required)

Flow: _____ SCFM Nm³/m

LOW PRESSURE STEAM:

Pressure In: (Max 435PSIG/30BARG): _____ PSIG BARG

Temp: (Max 482 °F/250 °C): _____ °F °C

Flow (min 100lb/hr or 1,134 kg/hr): _____ lb/hr kg/hr

4 CONDENSING SOURCE (Heat Sink, Cooling Source)

An analysis of the condensing cycle necessary to establish the Delta T for power generation

WATER COOLED:

SOURCE: Cooling Tower Potable Water Process Water
 Swimming Pool Water Sea Water
 Other: _____

Temp: (Max 70 °F/21 °C): _____ °F °C

Flow (Minimum 100GPM/.3785 m³/min): _____ GPM m³/m

AIR COOLED:

Average Ambient Temperatures:
 Summer: _____ °F °C
 Winter: _____ °F °C
 Humidity: _____ %

Completed by: _____ Date: _____

NOTES: