



# Project Evaluation - ORC

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 m<sup>3</sup>/min): \_\_\_\_\_ GPM  m<sup>3</sup>/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  Nm<sup>3</sup>/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 m<sup>3</sup>/min): \_\_\_\_\_ GPM  m<sup>3</sup>/m

**AIR COOLED:**

Average Ambient Temperatures:  
 Summer: \_\_\_\_\_ °F  °C   
 Winter: \_\_\_\_\_ °F  °C   
 Humidity: \_\_\_\_\_ %

Completed by: \_\_\_\_\_ Date: \_\_\_\_\_

**NOTES:**