



# Caribbean Distributed Energy Corp.

CHP Combine Heat and Power /CCHP Combine Cooling Heat and Power

FORMAT PRIOR TO PREPARE A STUDY OF FEASIBILITY CHP OR CCHP FOR ENERGY SAVINGS AND EMISSIONS REDUCTION WITH CAPSTONE MICROTURBINES, PLEASE PROVIDE THE FOLLOWING DATA;

## A. - PROJECT INFORMATION:

1. Company Name or City installation \_\_\_\_\_ and altitude above sea level where it is located (it is necessary to calculate the performance of Microturbines ) \_\_\_\_\_

2. Fuel available for Microturbines (circle), price of fuel, \$ \_\_\_\_\_

A) Natural Gas \* B) Diesel C) Biogas D) Biodiesel E) LPG Butane-Propane Gas D) Propane Gas

\* If Natural Gas available indicate pressure : \_\_\_\_\_

## B. - POWER SUPPLY

1. Average monthly payment, if possible copy of the utility bill. \_\_\_\_\_

2. Hours of operation per day, days of the week. \_\_\_\_\_

3. Load electricity demand in KW and Voltage (460, or 230 volts) required for the stand alone application. \_\_\_\_\_

4. One line electrical diagram if any. \_\_\_\_\_

5. Application of power generation; Stand Alone-off the grid, Grid Connected, or Dual Mode. \_\_\_\_\_

C. – CHP, hot water or steam.

FACILITY USES HOT WATER OR STEAM? \_\_\_\_\_

Boiler capacity BHP or BTUHR \_\_\_\_\_

1. Hours of operation per day, days of the week. \_\_\_\_\_

2. Hot Water temperature required \_\_\_\_\_



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3. Steam Temperature, Pressure and flow required \_\_\_\_\_
4. Required flow of hot water \_\_\_\_\_
5. Copy of fuel consumption receipt or utility bill; Natural Gas, Diesel, LPG, etc.. If possible

### D. - CCHP

FACILITY USES CHILLED WATER FOR AIR CONDITIONING, OR PROCESS? \_\_\_\_\_

1. Refrigeration tons \_\_\_\_\_, hours of operation per day \_\_\_\_\_ days of the week. \_\_\_\_\_
2. Number of chillers or compressors \_\_\_\_\_
3. Chiller compressor type \_\_\_\_\_
4. Chillers are water cooled using cooling towers? \_\_\_\_\_
5. Chilled water temperature input and output. \_\_\_\_\_

### E. - Another process for use the exhaust heat

PLEASE INDICATE IF

1. If Hot Air, oven, \_\_\_\_\_
2. Other fluid heating \_\_\_\_\_
3. Pasteurization \_\_\_\_\_

Please detail the process where you can apply heat from the microturbine, temperature and mass flow \_\_\_\_\_

Name of representative who attended the visit \_\_\_\_\_  
Date \_\_\_\_\_

Presentation was conducted explaining Capstone Microturbines, internal operations and technology?

YES or NO



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If you require support staff to make the presentation Capstone please

Indicate date and place, people whom it is addressed.

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### F. - CAPITAL FOR THE PROJECT

1 .- Does your company have budget and / or capital for the project? YES NO

2 .- Do you need a propose for funding source to implement the project? YES NO

3 .- Do you need to know the amount to budget for the future? YES NO

4 .- Other comments \_\_\_\_\_

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