



Project Evaluation - Gas

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 Planner's Information

Company: _____ Contact Name: _____

Address: _____

Phone: _____ Email: _____

2 Project Site Information:

Project Description: _____

Project Location: _____

Does source flow 24/7 all year? If not, explain _____

Power Supply: 480V/60Hz/1800RPM/3ph 400V/50/1500 RPM/3ph Other _____

Output Power conditions: 480V/60Hz/1800RPM/3ph 400V/50/1500 RPM/3ph Other _____

Electric Code: UI IEC NEMA Other _____ Pressure Vessel Code: ASME Other _____

VERY IMPORTANT to calculate payback period

Highest Average Electrical Cost _____ per kWh* Cost per Million BTU of gas: _____ (per MMBTU)

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

3 GAS COMPOSITION (% OF GAS MUST = 100%)

Methane: _____ Nitrogen: _____ Ethane: _____ Propane: _____ Butane: _____ CO2: _____

Other Gases + %: _____

If you do not know the composition of your gases, we will run the calculation based on reasonable assumptions for clean natural gas.

4 INLET Conditions

Pressure (usual max is 580 PSIA/40 BARA):
 PSIG PSIA BARG BARA kPa
 Min _____ Average _____ Max _____

INLET Temp (usual max is 482 °F/250 °C): °F °C
 Min _____ Average _____ Max _____

Flow Rate: SCFH SCFD Nm³/hr Nm³/day
 Min _____ Average _____ Max _____

5 Desired OUTLET Conditions

Pressure (usual min is -13.5 PSIG/1 PSIA/-0.9 BARG/8kPa relative to vacuum;
 Min Pressure Ratio is approx. 2:1):
 PSIG PSIA BARG BARA kPa
 Min _____ Average _____ Max _____

Preferred Temp (usual min is -4 °F/-20 °C): °F °C
 Min _____ Average _____ Max _____

There is an economic benefit to cooler outlet temperatures.
 What is the coldest acceptable Temp? °F °C

Completed by: _____ Date: _____

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 Tax Incentives Pressure Control Energy Savings Carbon Credits
Process Cooling Emission Reduction Grant Other _____

NOTES: