



Is Your Facility a Good Candidate for Combined Heat and Power (CHP)?

Please check the items that apply to you:

Check	Items
	Do you pay more than \$0.15/ kilowatt-hours on average for electricity (including generation, transmission, and distribution)?
	Do you spend over \$150,000 a year on utilities including natural gas and electricity?
	Are you concerned about power reliability? Is there a substantial financial impact to your business if the power goes out for 1 hour? For 7 Days?
	Does your facility operate for more than 7,000 hours/year
	Do you have thermal loads throughout the year (including steam, hot water, chilled water, hot air, etc.)
	Does your facility have an existing central heating/cooling plant?
	Do you expect to replace, upgrade, or retrofit central heating/cooling plant equipment within the next 3-5 years?
	Do you anticipate a facility expansion or new construction project within the next 3-5 years
	Have you already implemented energy efficiency measures and still have high energy costs?

If you have answered "yes" to 3 or more of these of these questions, your facility may be a good candidate for CHP.

Checklist to start a level 1 feasibility study by our engineers:

- Provide utility data for previous 1 - 2 years; provide anecdotal knowledge of building operation, including hours of operation, HVAC, and other thermal loads. The table in Schedule A will need to be filled out.
- Provide information about future expansion or equipment replacement plans; communicate site goals, expectations, and concerns.

For more information or a complimentary assessment contact us at jdu@mannengineering.com or (416) 201 9109 x 158.



Schedule A Existing Energy Profile

Existing building load profile:				Monthly Energy Costs (excluding axes)		
	Gas (m3/Month)	Electricity (kWh)	Demand (kW)	Gas	Electricity	Demand Charge
January:				\$	\$	\$
February:				\$	\$	\$
March:				\$	\$	\$
April:				\$	\$	\$
May:				\$	\$	\$
June:				\$	\$	\$
July:				\$	\$	\$
August:				\$	\$	\$
September:				\$	\$	\$
October:				\$	\$	\$
November:				\$	\$	\$
December:				\$	\$	\$
Total:				\$	\$	\$

Heating System Hot Water or Steam?	
Operating temperatures/pressure?	
Building load profile (24/7, 16/5, other)?	
Standby power requirement?	

Area of the Premises:	Approximately 20'x20' square feet for outdoor CHP applications (about 2 parking lots for most applications). Dryer cooler for waste heat dissipation is approximately 10'x10'.
	Approximately 10'x15' square feet for indoor CHP applications. Dryer cooler for waste heat dissipation is approximately 10'x10'.