



# CHP

**Defining the advantage.** The list of facilities showing great interest in installing Combined Heat and Power (CHP) or cogeneration continues to grow. CHP offers many benefits over separate heat and power for a wide variety of applications and users, ranging from industrial manufacturers, data centers, commercial buildings, educational institutions and municipalities, to residential institutions.

At Milton CAT, we see a variety of reasons being mentioned as the goal or the motivation; they include:

**Financial gains.** In some cases, as the cost of electricity rises and the cost of natural gas does not, a CHP system results in lower and more predictable energy bills for your institution or facility.

**Local and national incentives.** Direct grants, tax incentives and low-interest loans are also potential advantages.

**Environmental benefits.** Your Milton CAT co-generation system uses the captured heat from electricity generation to produce steam for heating and cooling. With less fuel consumed, your carbon footprint will also be reduced.

**Efficiency.** As it provides power, your Milton CAT CHP system also generates two other key commodities; steam and hot water.

**Reliability.** CHP adds a powerful layer of reliability to your current setup. A good example is eliminating downtime during an extended outage.

CHP systems can be designed to provide power during extended outages. If a facility chooses to enhance their CHP system, Milton CAT may be able to design the system so it can operate independently from the electrical grid, and offer a more seamless and reliable power alternative than typical emergency backup generators.



**Choosing your resources.** Once your institution has decided that CHP is the next logical step, you want to make sure you line up the best possible team – the reliability chain is only as strong as its weakest link.

**Take a closer look.** Implementing and maintaining a CHP system requires top-notch tangible equipment – gen sets, controls, cables and accessories – and proven, robust intangible components, including experience, availability, reliability and dedication.

**The CAT line of power generation products.** A very wide range of products allows you to choose the exact sizes and components that fit your needs. Reliable and trustworthy, Caterpillar power generation products and accessories are often familiar to facility managers that may already count on them for traditional emergency backup.

**Comes with people.** The Milton CAT CHP team has solid expertise with all the facets of this specialty, and can support you at every stage, as needed. We can work with your in-house engineering staff to plan and design your customized CHP system, or team up with your outside consulting firm. In either case, you'll know that you're getting personal attention, focused on supporting your goals. The list of benefits that the Milton CAT CHP group brings to the table includes:

- First-hand knowledge of the different type of facilities and institutions that are suitable for CHP.

**Combined Heat and Power (CHP) offers benefits to many different types of institutions, including healthcare, data centers, educational facilities, landfills, supermarkets and wastewater treatment plants.**

- Expert planning and engineering, before, during and after installation of your Milton CAT CHP system.
- Ability to work with other existing systems such as heating, water and electrical.
- Commitment to maintaining open communications with all the other members of the CHP team.
- Emissions expertise.
- Flexible and responsive field crew.
- Solid and deep backup that can be tapped without being exhausted.
- Ongoing support – a CHP gen set is not like a backup gen set that just sits there; it requires constant available expert support.

**Time to find out?** The Milton CAT CHP advantage can work for you, too. Ask us why, and how at [chp@miltoncat.com](mailto:chp@miltoncat.com). Or call 800-821-6412.

#### Locations throughout the Northeast

<b>Milford, MA</b>	<b>Richmond, VT</b>	<b>Syracuse, NY</b>
<b>North Reading, MA</b>	<b>Warner, NH</b>	<b>Batavia, NY</b>
<b>Wareham, MA</b>	<b>Scarborough, ME</b>	<b>Binghamton, NY</b>
<b>Cranston, RI</b>	<b>Brewer, ME</b>	<b>Clifton Park, NY</b>



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