



# CHP

## IN THE HEALTHCARE ENVIRONMENT

**Defining the advantage.** Combined Heat and Power (CHP), also known as co-generation, is rapidly gaining popularity among hospitals in the USA, and in particular, the Northeast. According to the Department of Energy, the number of hospitals using CHP systems has grown steadily in recent years and at Milton CAT, we have seen an increase in the interest for installing CHP systems at healthcare institutions. Why is that?

**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 healthcare institution.

**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 generate 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 steam and hot water, key commodities in a healthcare facility.

**Competitive advantages.** Attracting patients and enticing the best medical staff is a top priority for healthcare institutions, therefore, maintaining a prestigious brand becomes imperative. Being able to state that your institution has a state-of-the-art CHP system can help differentiate your hospital.

**Patient safety.** CHP adds a powerful layer of patient safety and comfort to your current setup. A good example is eliminating the need for patient evacuation during an extended outage.

CHP systems can be designed to provide power during extended outages. If a hospital 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 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 –

**Milton CAT**

[www.miltoncat.com](http://www.miltoncat.com)



**A 3MW CAT CG natural-gas powered genset is the CHP prime mover at Lahey Hospital in Burlington, Massachusetts.**

the chain is only as strong as its weakest link, and where patient safety is concerned, there's no room for error.

**Take a closer look.**

Implementing and maintaining a CHP system at a hospital 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-generating products.** A very wide range of products allows you to choose

exactly the sizes and components that fit the needs of your hospital. Reliable and trustworthy, Caterpillar power-generating products and accessories are often familiar to hospital staff that 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 own 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 team brings to the table includes:

- First-hand knowledge of the hospital environment, and its challenges and demands.
- Expert planning and engineering, before, during and after installation of your CHP system.
- Ability to work with other existing systems within your hospital, 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 support.

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

**Locations throughout the Northeast**

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

