



**PRODUCE ELECTRICITY AND THERMAL ENERGY WITH THE INSTALLATION OF COMBINED HEAT AND POWER (CHP) SYSTEMS**

Looking for new ways to cut costs? A new CHP system is an efficient way to both produce electricity and thermal energy, leading to significant long-term savings for your business.

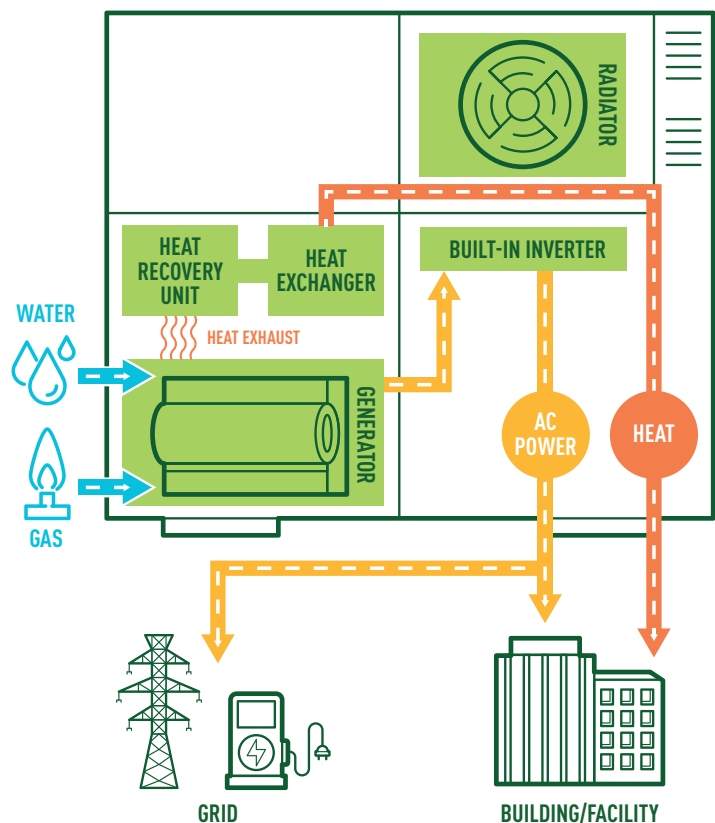
CHP works by generating electricity from the combustion of a fossil or renewable fuel. The waste thermal energy generated from the power generation unit can be captured and used for space heating, domestic hot water, and industrial processes such as steam generation. When paired with an absorption chiller, they can also provide cooling.

Micro-generation systems' supported in the Energy Savings for Business (ESB) program are connected to the electrical grid to offset energy use at a facility. When power is needed, the CHP system directly feeds into the facility's loads. Excess energy can be exported to the grid and the facility receives credits on their utility bill. If the facility requires more energy than the CHP system produces, the grid continues to automatically provide energy as required.

Generating your own energy and heat with a CHP system ensures you have reliable energy production and can control your energy costs now and into the future. CHP systems create efficiencies and lower operating costs while reducing greenhouse gas emissions.

CHP systems can be used in a variety of facilities, but are best suited for ones that have significant electric and thermal loads like manufacturing facilities, hotels, agricultural facilities, sport and recreation facilities, multi-family residential buildings, commercial warehouses, and office buildings.

**HOW DOES IT WORK?**



**TRYING TO FIND NEW WAYS TO KEEP YOUR BUSINESS COMPETITIVE? LOOK NO FURTHER**

Emissions Reduction Alberta is supporting businesses like yours to receive up to \$250,000 in incentives for the cost and installation of qualifying CHP systems through the ESB program. Receive incentives from \$400 to \$850 per kW of installed capacity, depending on the size and configuration of the system.

Large CHP units offer even greater savings for sizeable commercial, agricultural, and industrial applications. Selecting a CHP system to match your loads will optimize your savings.

**WHY INSTALL A CHP?**

- ▶ Produce electricity and recapture waste heat and improve overall energy efficiency, lowering total energy costs.
- ▶ Lower GHG emissions.

## ENERGY-EFFICIENT TECHNOLOGIES LEAD TO LONG-TERM SAVINGS

To grow your profits, you invest in your workforce, product or service development, and marketing. Now, by investing in your facility's energy efficiency, you can add the missing link that offers a serious return on investment. Energy-efficient technologies can lead to long-term savings on maintenance, utility bills, and other associated carbon costs. Investing in your building can also help you stay ahead of the curve, grow your business, streamline your operation with less downtime, increase the reliability of your facilities and enhance occupancy comfort.

## SAVE EVEN MORE WITH THE ESB PROGRAM

The ESB program offers incentives to eligible Alberta businesses and non-profits to choose proven high-efficiency products and onsite energy generation technologies – such as CHP - that meet their needs.

- ▶ Incentives of up to \$250,000 are available per project
- ▶ Up to \$1 million per parent company.

Work with a registered contractor, who can help you choose a CHP system that fits the needs of your business and complete a high-quality application that results in fast turnaround times, approvals, and incentives.

Recognizing that time is money to Alberta's businesses, the ESB Program will give businesses fast access to cost-effective incentives. The ready-made menu of incentives will save companies time and money in developing their projects.

## SEE RETURNS ON YOUR INVESTMENT—FAST

From increased efficiency to reduced infrastructure costs, there are plenty of ways to take advantage of CHP systems. Based on common applications, participants can expect to:

- ▶ Receive incentives of up to 50% on CHP systems
- ▶ Receive incentive payment four weeks after final approval notice, and
- ▶ Save on your utility bills right away.



The ESB program has a straight-forward menu of high-efficiency measures for your business and requires minimum paperwork to participate. Apply today to reserve your incentives.

The Eligible Measure Categories include:

- ▶ HVAC for all types of commercial businesses, industrial and hospitality
- ▶ Process Heating for manufacturing, chemical plants, pharmaceutical manufacturing
- ▶ Water Heating for all industrial and commercial businesses
- ▶ Compressed Air for industrial and commercial businesses
- ▶ Refrigeration for commercial and industrial manufacturing, food processing, hospitality and retail
- ▶ Building Envelope and Windows for industrial, commercial and common spaces in multi-unit residential
- ▶ Food Service Equipment for restaurants, catering services, hospitality
- ▶ And more.

A detailed listing of incentive amounts can be found in the [Eligible Measures List](#).