

Heat & Power: An Unbeatable Combination

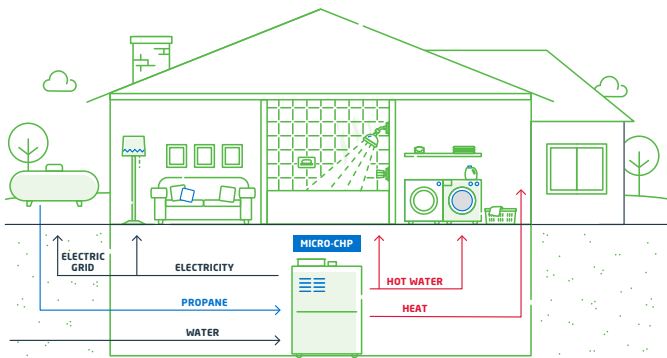
EXPLORE THE BENEFITS OF PROPANE CHP AND
MICRO-CHP UNITS FOR YOUR CUSTOMERS



The climbing costs of electricity, coupled with increasing power outages, have consumers and businesses both searching for options that are more affordable and reliable. Propane-powered combined heat & power (CHP) units are more than that – they're also more efficient, slashing utility bills while producing far less harmful emissions, making it a better option for everyone, including your customers.

▶ Reliable Energy for Homes and Businesses

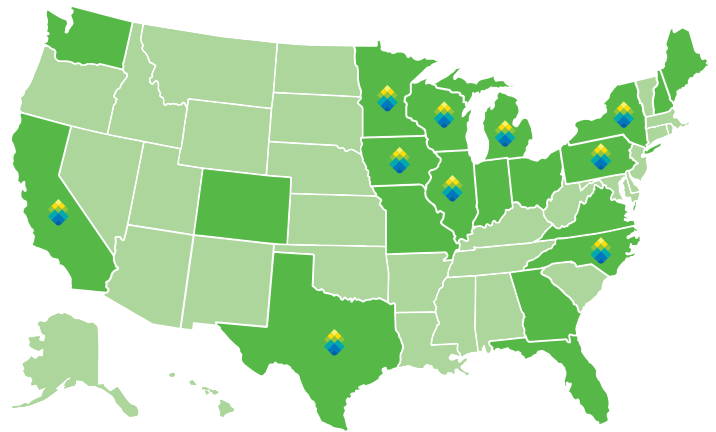
Propane-powered CHP units use a generator to produce electricity, capturing heat that warms the air and water. The result is reduced energy expenditures, eliminating efficiency losses between power plants and buildings, leading to a lower carbon footprint – an environmentally friendly, affordable, and reliable energy source that won't go down with the electric grid.



▶ Ready & Resilient: Where CHP Works Best

The value of CHP and micro-CHP units can be found nationwide, wherever resiliency, electric grid independence, and preparedness meet. From a savings perspective, this map shows the top 20 states (based on 2020 sales) where CHP makes the most financial sense.

BEST LOCATIONS FOR CHP IN THE U.S.



Light green = low spark spread
Dark green = high spark spread

◆ Top States / Propane Country



Efficient and Environmentally Friendly

▶ CHP Systems Eliminate Efficiency Losses and Lead to a Reduced Carbon Footprint

Propane-powered CHP and micro-CHP units far outpace the efficiency and emissions of traditional heating or water-heating systems, surpassing energy savings from even the most efficient boilers.

COMMERCIAL MICRO-CHP



GHG

15%
LESS

VS.
DIESEL

50%
LESS

VS.
ELECTRIC

NOx

13%
LESS

VS.
NATURAL GAS

50%
LESS

VS.
ELECTRIC

▶ With a Range of Applications, Capacities, and Partners, CHP Systems Offer Extensive Options

MICRO-CHP

1-3 kW

SINGLE-FAMILY HOME (1800-2500 SQ FT)

3-10 kW

SINGLE-FAMILY HOME WITH GREATER LOADS (POOL HEAT)
MULTI-FAMILY COMMERCIAL / LIGHT INDUSTRIAL

10-50 kW

RESIDENTIAL APARTMENT BUILDINGS
COMMERCIAL / INDUSTRIAL (RESTAURANTS)

LARGE CHP

50 kW-1 MW

LARGE COMMERCIAL AND INDUSTRIAL APPLICATIONS
(WAREHOUSING, MANUFACTURING, UTILITY POWER)



Learn more at propane.com

► Strengthen Your CHP Knowledge

We've made it easy to learn about the benefits of CHP units even when not connected to the internet. Just use our app as an offline training tool to complete any of PERC's eLearning modules, such as the "Introduction to CHP" and "Partnerships for Selling Solutions."

Visit propane.com to download the app and start sharing CHP knowledge with your customers.

 Propane Education & Research Council

1140 Connecticut Ave. NW, Suite 1075 / Washington, DC 20036
P 202-452-8975 / F 202-452-9054

©2021 Propane Education & Research Council 5434-FS-21

 ENERGY FOR EVERYONE
propane