

# Propane TO THE RESCUE

In addition to protecting homes, hospitals, and critical infrastructure with backup generators, propane is the go-to energy source during emergencies.



## Since WWII to present day

propane is used for portable mobile kitchens to feed our troops overseas.

## Propane mobile kitchens

are set up across the US to feed first responders so they can do their jobs and rescue citizens following natural disasters.



## Propane feeds our displaced citizens

evacuated or left without power following earthquakes, wildfires, and hurricanes. It is even used in shelters to heat up baby bottles.

## In 1955, propane was federally certified

for emergency civil defense use in mass feeding, hospital use, and emergency stockpiling after propane tanks survived a nuclear testing blast and were still able to function.



## Portable propane bbq bottles

supply citizens with the ability to cook food and boil water during power outages.

## Propane fleets

can be used when gasoline and electricity is not available for mass evacuations and to power police cars, ambulances, and other first responder vehicles so they can continue to protect our citizens.



# RENEWABLE. SECURE. PROPANE.

# PGANE

Green Sustainable Energy

## What's Inside?

- An EPA-approved clean alternative fuel
- Propane's recyclable origin and renewable future
- Off-grid, carbon-neutral heating and cooking technology
- Solutions for New England's grid reliability challenges
- Propane's role in energy security and cyber defense
- Eco-friendly backup power for solar and wind



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# Propane provides **RENEWABLE ENERGY**

## Propane promotes recycling.

Propane is a beneficial bi-product of natural gas. If not captured for later use in heating and power generation, it becomes wasted energy. Propane use is the EPA philosophy of “Reduce, Reuse, Recycle” in action.



## Propane is a clean alternative fuel.

Because propane is nontoxic and ozone-safe, the EPA recognizes it as a clean alternative fuel under the 1990 Clean Air Act. Today, propane is becoming even cleaner thanks to research in renewable propane made from various bio sources.

## Propane is NOT a significant source of carbon.

Propane appliances produce fewer carbon emissions than nearly every other energy source. In fact, propane is an environmentally responsible alternative to carbon-intensive wood burning. Classifying propane as renewable would allow New England to further its energy goals while reducing carbon emissions.



## Propane is sustainable.

As a reliable source of energy, propane works in tandem with solar-powered net-zero homes. These homes use propane for carbon-neutral heating, cooking, and hot water in conjunction with solar panels, and propane generators can be added to keep the lights on when the sun stops shining.



# Propane provides **ENERGY SECURITY**

## Propane is reliable.

During climate events like hurricanes, floods, and blizzards, energy supplies are strained and the electricity grid is at risk. Propane generators provide home and commercial backup power when the sun doesn't shine or the wind doesn't blow. In the event of price spikes and blackouts, hospitals and other critical infrastructure can switch over to propane.



## Propane fleets provide backup emergency vehicles.

With increased climatic events come increased power outages. Propane fleet vehicles provide police, ambulances, and buses with a backup fuel that can be loaded from a propane truck without electricity. Propane vehicles reduce greenhouse gases and cost less to maintain.

## Propane is less vulnerable to cyber-attack or EMP.

While cyber-security is a serious concern for New England's electricity grid, propane systems are not connected to the grid and therefore virtually impenetrable to most hackers. Propane microgrids, already used in Europe, could be a solution for New England communities as well.



## Propane is environmentally secure.

As the U.S. becomes increasingly dependent on renewable electricity, propane is an ideal backup power source to complement solar and wind technology. Propane is nontoxic, does not contaminate ground or seawater, and contains no ozone depleting chemicals.