

PROPANE MATTERS

in Iowa



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BUSTING THE MYTH ABOUT CLEAN ELECTRICITY

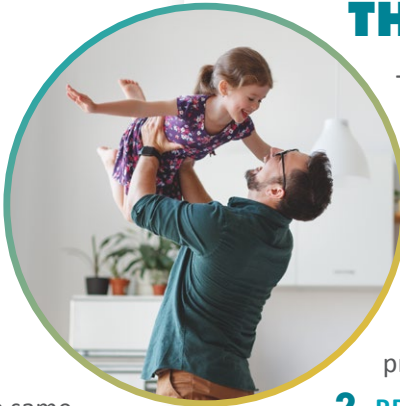
Electricity is often touted as a “clean” energy source, especially by those in government who want to electrify everything. A closer look shows why that’s not the best way to go.

1. Electricity production generates the **second largest share** of greenhouse gas emissions. **More than 63%** of our electricity comes from burning fossil fuels, mostly coal and natural gas.
2. You need **much less propane** to produce the same amount of heat energy as electricity. Just one gallon of propane equals 27 kilowatt hours (kWh) of electricity.
3. Propane has such a **low carbon content** that it produces **next to zero greenhouse gas emissions** or air pollutants, making it a clean-burning energy source that can reliably heat homes and water, fuel multiple indoor and outdoor appliances and even power vehicles.
4. The average propane-powered home reduces CO₂ emissions by **nearly 30% compared to all-electric homes**.
5. Direct use of propane for space heating, water heating, cooking and clothes drying **reduces greenhouse gas emissions up to 50%**.

Go to Propanelowa.com to read more about propane vs. electricity.

Sources: US Energy Information Administration, National Propane Gas Association; Propane Education Research Council.

PROPANE BEYOND THE HOME



There are many businesses in Iowa that rely on propane to get the job done. Here are three examples.

1. **PROPANE ON THE FARM.** Propane and propane-powered farm equipment and vehicles help cut costs and maximize the efficiency of labor. Among many uses, Iowa farmers depend on propane to dry their corn during wet years.
2. **PROPANE AUTOGAS.** Whether it’s school buses, fleet trucks, forklifts, lawnmowers or tractors, many businesses in Iowa fuel their vehicles and equipment with clean-burning propane autogas. In fact, 60% of alternative-fuel vehicles nationwide run on propane.* Overall, autogas is the third most popular vehicle fuel, next to gasoline and diesel.
3. **COMMERCIAL.** Businesses that rely heavily on propane include restaurants, hotels, resorts, dry cleaners, landscapers, greenhouses, offices and warehouses. Builders and developers also incorporate propane into their construction plans to a wide degree.

Reach out to your local propane company to find out more about the many ways propane can drive your business forward. You can also visit the Commercial/ Agricultural section of Propanelowa.com to learn more.

*Source: Alternative Fuels Data Center

STAY WARM WITH PROPANE

Iowans are finding out that a high-efficiency propane home heating system is the best choice to stay warm. Propane heating systems produce **much higher indoor air temperatures** than their electric counterparts, guaranteeing that you will keep your home toasty warm, even when temperatures plunge.

New propane furnaces boast ratings from **90-98% efficiency**.

A propane furnace can provide heating for any size floor plan, from small residences to large homes.

If you’re interested in making your home more comfortable this winter, please go to our website and check out current Iowa rebates for installing a propane furnace and then contact your propane service provider.



GO OFF THE GRID – PROPANE CAN HELP

A growing lifestyle choice these days is going off the grid — or getting your home as close as possible to **zero net energy**. This means that your home produces as much energy as it consumes.

One effective strategy is to **combine solar power with efficient propane**. You simply shift thermal loads from electricity to propane and focus on using high-efficiency systems. Some propane-heating and water-heating systems are designed to use very little or even no electricity at all.

In addition, propane wall heaters may rely on air convection to circulate heated air or use small, highly efficient fans.

Many homeowners have also invested in a **large battery system and a propane generator**, which can take the house entirely off the grid. The propane generator will charge the batteries on the days when it's not sunny enough for solar panels.

As this trend continues to grow, the power grid will continue to age, deteriorate and become more costly to consumers. Experts believe that eliminating this huge burden on the grid, particularly bypassing it altogether, will eventually prove to be as groundbreaking as wireless technology has been in the field of communications.

In fact, the International Energy Agency estimates that by 2030, **more than 70% of new electricity connections will be via off-grid or mini-grid solutions.***



*Source: Forbes.com, 4/11/19.

Win

A FREE PROPANE TANK FILL-UP – UP TO 400 GALLONS

Read the articles in this newsletter and then go to Propanelowa.com/contest and answer the three questions correctly. If you do, we'll enter you into a drawing to win a FREE propane tank fill-up — **as much as 400 gallons!**

No purchase necessary. A purchase will not improve your chance of winning. Employees of IPGA, its affiliates, agencies or vendors may not enter. Contest is open to Iowa property owners with a propane tank capacity of 100 gallons or more. One entry per household. Drawing will take place on or around 12/30/21. Winner agrees to have name published in next issue.



Congratulations to **RITA MCCLINTOCK** of **CEDAR FALLS, IA**. They were very happy to win a Phoenix propane grill — valued at \$900 — in our last contest.

PROPANE: ENERGY FOR EVERYONE



propane
ENERGY FOR EVERYONE

Everyone deserves access to affordable energy sources, such as propane. Propane doesn't require trillions of dollars in infrastructure like electricity does. Propane is also **environmentally friendly**, so using it is an excellent way to reduce greenhouse gas emissions while meeting your energy needs. With its additional advantages of **reliability and versatility**, propane is the energy for everyone.

Everyone can use propane to:

- ✓ replace inefficient electric water heaters with an innovative **propane tankless version** that generates much more hot water at a cheaper cost per gallon.
- ✓ enhance the beauty of a room with the glow of a **fireplace insert or gas fireplace logs**.
- ✓ enjoy an extensive range of **efficient home propane appliances**: cooktops and ranges, outdoor lighting, patio heaters, pool and spa-tub heaters, outdoor grills, fireplaces and firepits.
- ✓ ensure peace of mind: When the electric power goes out, a **propane generator** kicks in.
- ✓ reduce carbon emissions. Propane is **nontoxic and produces fewer emissions** than electric appliances.

Please visit Propanelowa.com to learn more.