



# Energy Matters

from  
**Allied Propane Service**

## PERSONALLY SPEAKING

### electrification is not the only answer



**Dustin Kaiser**

Dear Friends,

**While California has strongly embraced the clean energy possibilities** of electricity generated from renewable sources, it should not be the only answer. We have been strong advocates for a balanced energy approach that takes into consideration the potential of other clean

energy options, including **renewable propane. This is the propane of the future.**

While it is not in common use yet and any current supply is very limited, renewable propane gas eventually will be a major part of the clean energy conversation. Renewable propane gas is molecularly **identical** to propane, but it's **not made from fossil fuels**. Instead, it's produced at biofuel facilities from renewable biomass-based feedstocks.

Current research could bring us to a place where renewable propane produces **net-negative carbon emissions**. One of the most promising ways for reaching this goal is with dimethyl ether (DME). Researchers can now synthesize this biogas from animal waste. This prevents the release of methane and carbon dioxide into the atmosphere, and the product can be blended with propane.

**Bottom line:** there is tremendous potential for growth as more resources are dedicated to renewable propane production. And that's good news for our environment.

Warmly,

Dustin Kaiser, Senior Vice President

## FAQs about propane delivery

**Q: When is the best time to get a delivery?**

**A:** It's always best to start the heating season with a full propane tank. This way, you won't have to worry about being caught off guard by a sudden drop in temperature in late autumn or early winter.

**Q: How does your automatic delivery service work?**

**A:** This **FREE** service eliminates the need to call us every time you need more fuel. Based on your usage history, we can predict when you will need a refill, and we'll make a delivery with no work needed on your part.

**Q: Do I need a wireless propane tank monitor?**

**A:** We recommend this as a fool-proof way to avoid runouts because we'll know exactly how much fuel is left in your tank and when you'll need a delivery. When we see that the propane tank level has reached a predetermined level, we will schedule your propane delivery before you run low. If you download the tank monitor app, you can check your tank levels, too!

**Do you have other questions? Please contact us today!**



## we're hiring!

**Thanks to the growth of our company,** we're looking to fill some open positions, including drivers, service technicians, customer service representatives and loading dock workers. We would deeply appreciate your talents—and so would our customers.

We offer excellent pay, great benefits and ample advancement opportunities.

If you are looking to continue your career in the propane energy field—or if anyone you know is—please click the **About/Employment** pages on our website to learn more or to apply.



# Propane: Champion of Comfort

*Rest easy knowing you can rely on versatile, American-made propane to deliver great value while reigning as one of the cleanest, safest and most efficient home energy sources.*

## How Efficient Are Propane Appliances?



**Propane systems and appliances** are some of the most energy-efficient on the market. As an example, today's propane furnaces have fuel efficiency ratings as high as 98.5%. So, just about all the fuel you burn goes to heating your home, and these furnaces consistently deliver air heated to 120°–140°F, even on cold winter nights.

Additionally, propane water heaters, when new and properly sized, have about double the hot water recovery rates of electric units. Plus, propane **tankless** water heaters produce virtually unlimited hot water on demand—using even less fuel.

That's just the tip of the iceberg for high-performance propane products. There are also professional-quality propane gas ranges and dryers, dependable standby propane generators, propane gas fireplaces, propane outdoor products and more.

## Reasons Why Propane Is Safe



Here are just 4 reasons why propane is such a safe fuel.

1. Propane leaks are easy to detect due to their strong rotten egg odor. (The smell is due to the ethyl mercaptan that manufacturers add to the naturally odorless gas.) If you detect this odor, be sure to follow proper safety protocols.
2. The propane industry is regulated by strict federal compliance codes, along with numerous state and municipal fire and safety laws.
3. Propane will not ignite until the air reaches 940° F. Propane has the lowest flammability range of all alternative fuels (2.4 – 9.5%). There must be a very specific combination of propane and oxygen for propane to burn.
4. If liquid propane ever leaks, it vaporizes into the air, leaving no mess and **no toxic** burden on the environment. Propane **cannot** contaminate water or soil.

## Will We Run Out of Electricity?



**We all know that electricity is vital to our lives.** But these days, our country needs a lot more of it, partly because of the government's push to expand the use of electric vehicles and electric heat pumps. But that's not all.

The International Energy Agency has projected that electricity demand from the approximately 8,000 global data centers—one-third of which are in the U.S.—will more than double from 2022 to 2026. The primary reason for this is the explosive growth of artificial intelligence (AI), which gets its strength from thousands of computer servers in data centers around the world. AI models consume power at a much higher rate than data centers in the pre-AI days.

Right now, residents in many communities are worried about the impact of new data centers going up in their neighborhood, including the possibility that taxpayers may get stuck with the cost of adding more power lines.

None of this is good news for Mother Earth either. Despite progress in the expansion of renewable energy sources like wind and solar, electric power generation remains the largest source of carbon dioxide (CO<sub>2</sub>) emissions in the world.

It is also bad news for our fragile electric grid, which could leave us vulnerable to massive power outages if we don't come up with a smarter energy plan. To us, this includes recognizing the importance of clean-burning, efficient propane **now** and the prospect of even cleaner and more efficient **renewable propane** in the **future**.

Sources:  
[time.com/6987773/ai-data-centers-energy-usage-climate-change/](https://time.com/6987773/ai-data-centers-energy-usage-climate-change/)  
[iea.blob.core.windows.net/assets/6b2fd954-2017-408e-bf08-952fdd62118a/Electricity2024-Analysisandforecastto2026.pdf](https://iea.blob.core.windows.net/assets/6b2fd954-2017-408e-bf08-952fdd62118a/Electricity2024-Analysisandforecastto2026.pdf)

## Propane vs. Electricity: Which Gives You More?



**While prices will always rise and fall**, you can rely on propane for great value, especially when compared to electricity. That's because a gallon of propane gives you a lot more heating energy than an equivalent amount of electricity. Here's how we know this.

Energy or heat content can be used to compare energy sources or fuels on an equal basis. You can convert fuels from physical units of measure (such as weight or volume) to a common unit of measurement of the energy or heat content of each fuel.

For example, the U.S. Energy Information Administration uses British Thermal Units (Btu) as a unit of energy content and has calculated the sample Btu conversion factors shown here.

To make these two energy sources "equal," divide 91,452 Btu by 3,412 Btu. Your answer will be: one gallon of propane = 27 kWh of electricity. In other words, one gallon of propane has the same amount of usable energy as 27 kilowatt hours of electricity.

Here's another way to show propane's efficiency advantage. A 100-watt light bulb left on for 24 hours will consume 2.4 kWh. If propane could be used to power the same light bulb, it would only use 9/100th of a gallon of propane.\*

\*Source: [propane101.com/propanevselectricity.htm](https://propane101.com/propanevselectricity.htm)

Electricity	1 kilowatthour = 3,412 Btu
Propane	1 gallon = 91,452 Btu



## ask the expert

**Q: Is an electric heat pump a good investment?**

**A:** While electric heat pump systems provide excellent air conditioning in the summer and can take the chill away in winter, there are downsides.

First, heat pumps can be extremely difficult to repair, and there has been a shortage of replacement parts because of supply chain issues. Plus, if a home doesn't have sufficient electrical capacity, an overworked heat pump could cause the home's entire circuit board to shut down.

Here's another big concern. The cost to install a heat pump system, which is already expensive, is expected to rise dramatically because the R-410A refrigerant now used is being phased out in favor of more eco-friendly refrigerants, beginning on January 1, 2025.

As a result, manufacturers need to add new safeguards to their equipment, and technicians will need new tools and training to work with the newer refrigerants. These are among the factors that can mean even higher overall prices for heat pumps in the future. **- Brent Moore, Service Manager**



**Brent Moore (right),  
Service Manager**

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## meet our contest winners

**Thank you to everyone who participated in** our spring contest to win a top-of-the-line Flame King outdoor pizza oven, capable of cooking a 12-inch pie in just 60 seconds! Here are our three lucky winners, whose names were selected in a random drawing.

**Dixon Branch Manager  
Shawn Haynie with  
customer Mary Johnson.**



**Richmond Branch Dock  
Technician Jesus Estrada with  
customer Katie Maltsberger.**



**Senior Vice President  
Dustin Kaiser with customer  
Jason from General  
Plumbing Supply.**



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• Cylinder Exchange • Transport Deliveries • Outdoor Heating Specialist**



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STANDARD MAIL  
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DG3

## what do you think of us?

**Do you like the service you get from your friends at Allied Propane Service?** Please take a moment to spread the word! All you need to do is post an online review about your service experience with us. It would mean the world to our hardworking team members, who always make your comfort, safety and satisfaction their top priorities.

To make it easy for you, we've included a code you can scan with your smart phone. It will take you straight to our Google reviews page.

**Here is one customer review from Cathy H. that made our team smile:**

**"We haven't ever had a problem. They are always very nice and good to us."**

Scan this code to post your own review!

