

What's the Optimal Energy Choice for Increased Home Performance?



Propane Answers

PROPANE
EXCEPTIONAL ENERGY®



Featured Course

Water and Energy Efficiency With Tankless Gas Water Heaters

As rebates, incentives, and emerging technologies give increasing momentum to the green-building movement in America, now is the ideal time to access the expanded training opportunities available to you as part of the Propane Education & Research Council's Home Performance Initiative.

There is a wealth of information online at buildwithpropane.com/homeperformance — including CEU training courses. In addition, here are the things you need to know to realize propane's full potential to improve home performance for your customers.

Energy for Efficiency Upgrades

Propane emits less than half the greenhouse gases that electricity does, considering that more than half of the nation's electricity is produced by coal-fired power plants. It's also an incredibly efficient, high-performing energy source — a smart, green-energy choice for homeowners making appliance decisions.

For construction professionals, propane appliances are a great way to earn points toward green-building standards. Learn more about how propane earns you points at buildwithpropane.com/buildingguidelines.

Propane's Performance Advantages

Application	Before	After	Performance Advantage
Water heating	Electric water heater	Propane tankless water heater	Free up square footage Improve efficiency Reduce energy costs Reduce carbon footprint Energy Star-qualified
Home heating	Electric furnace	Propane furnace	Reduce carbon footprint Improve efficiency Reduce energy costs Improve indoor air quality <i>(if equipped with air cleaner)</i> Energy Star-qualified
Cooktop	Electric range	Propane range	Reduce carbon footprint Gain even heat distribution and improved heat control Improve safety: Propane cooktops are quicker to heat up and cool down
Fireplace	Traditional wood-burning fireplace	Direct-vent propane fireplace	Reduce carbon footprint Improve efficiency Reduce energy costs Improve indoor air quality

Visit Our Home-Performance Web Page

Learn more about propane and home performance, access exclusive construction industry research and analysis, and register for training courses at buildwithpropane.com/homeperformance.

Featured Course

Innovations With
Propane Gas for
Outdoor Residential Use



Tap Home-Performance Incentives

Not only can propane help improve home performance, it can help you win bids more quickly by allowing you to take advantage of the federal and local stimulus incentives for green building.

Tax incentives and credits are available for the installation of energy-efficient propane appliances, including propane tankless water heaters and high-efficiency propane furnaces. There are special incentives for Energy Star appliances — and propane tankless water heaters qualify, whereas electric water heaters don't. Learn more at buildwithpropane.com/homeperformance.

At the Heart of Emerging Technology

Propane is also energizing the development of exciting emerging technologies. Among these are micro combined heat and power (micro-CHP) systems. Propane micro-CHP systems eliminate the transmission and distribution losses associated with the electrical grid, while recovered waste heat is used for space heating, water heating, and cooling.

In the category of distributed generation, propane generators deliver off-grid power, which provides insurance against power disruption and protects a home's appliances. A propane generator can keep electricity flowing in the event of a service disruption or storm, and even serve as a primary energy source for homes built off the grid.

3 Fast Facts About Propane Performance

1 Dependable green energy. Using propane emits less than half the greenhouse gases that electricity does, considering that more than half of the nation's electricity is produced by coal-fired power plants.

2 Efficient hot water. Propane tankless water heaters cost up to 60 percent less to operate than standard electric units — and have a life expectancy about twice as long as most tank models.

3 Smart home heating. Energy Star-qualified propane furnaces are 15 percent more efficient and emit 68 percent less greenhouse gas emissions than most standard electric models.



Optimized Home Performance Starts With Training

To help you improve home performance, the Propane Education & Research Council offers a wide array of online continuing education courses at buildwithpropane.com/training. These free courses offer energy training accredited by the National Association of Home Builders (NAHB) and the American Institute of Architects (AIA).

Each course includes a 60- to 90-minute lesson on propane as a practical solution to green building. Course topics include project design, building and installation practices, and how to explain propane's advantages to homeowners, homebuyers, and remodelers working beyond the natural gas main.

Available Courses:

- Go Green With Propane
- Responsible Energy Solutions
- Propane Gas Underground Systems
- Water and Energy Efficiency With Tankless Gas Water Heaters
- Hydronic Heating in Rural Residential Applications
- Propane-Enhanced Renewable Energy Systems
- A Comparative Analysis of Residential Heating Systems
- Designing & Retrofitting With Propane Energy*
- Innovations With Propane Gas for Outdoor Residential Use

Courses Coming Soon:

- Solar Tankless Water Heaters
- Backup Generators
- High-Efficiency Water Heating With Propane
- Whole-Home Propane Applications
- Energy Codes

* Provides information on propane's efficiency benefits and available tax incentives and credits.

Learn more, register, and start earning CEUs today. Go to buildwithpropane.com/training.

PROPANE
EXCEPTIONAL ENERGY®

Propane Education & Research Council
1140 Connecticut Ave. N.W., Suite 1075
Washington, DC 20036

© Propane Education & Research Council 5/10

