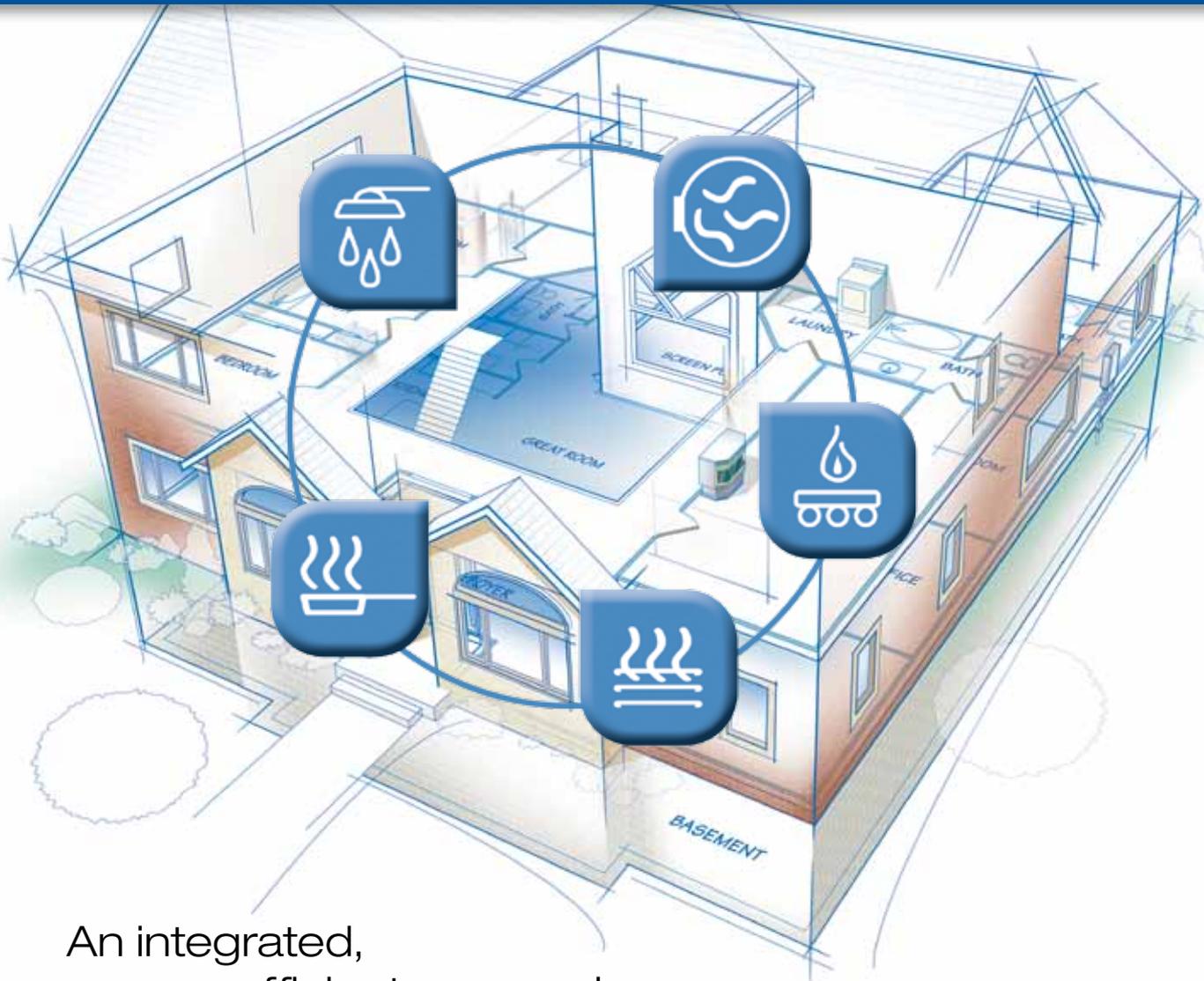


PROPANE ENERGY POD



An integrated,
energy-efficient approach
to new home construction.

SPACE HEATING | WATER HEATING | COOKING | FIREPLACES | CLOTHES DRYING

PROPANE
EXCEPTIONAL ENERGY®

It's a whole new bundle of energy

The Propane Energy Pod is an integrated, research-based solution that combines five core propane applications — space heating, water heating, cooking, fireplaces, and clothes drying — into a truly energy-efficient and timely package for building professionals. After all, energy efficiency isn't just for the eco-conscious crowd anymore, it's for the economy-minded, too. The Propane Energy Pod can help builders qualify homes for the federal Energy-Efficient New Homes Tax Credit. Qualifying for this credit, which is worth up to \$2,000, requires at least a 50 percent reduction in energy consumption relative to the energy code. The Propane Energy Pod's high-efficiency heating system is a major component of meeting this target. The Propane Education & Research Council (PERC) has the research study results you'll want to see as well as several free online training courses at buildwithpropane.com/energypod.

The Propane Energy Pod equals exceptional performance

The Propane Energy Pod solution is simple. Tailored for each U.S. climate zone, the Propane Energy Pod blends five vital applications — space heating, water heating, cooking, fireplaces, and clothes drying — into an energy-efficient package. When you choose propane as the primary energy source, the elements of the Propane Energy Pod deliver measurable value to new home construction via top-quality mechanical systems and appliances. Just as important, the Propane Energy Pod enables buyers to reap maximum benefits from federal, state, and local energy-efficiency rebate programs. It's a win-win solution: good for the environment and good for customers' pocketbooks.



Space heating and fireplaces



Two components of the Propane Energy Pod — space heating and fireplaces — offer some of the most valuable benefits. For example, propane can fuel a wide range of



heating applications, including forced-air and radiant heat. Propane furnaces heat air up to

25 degrees hotter than electric heat pumps and are available with efficiency ratings of 95 percent or higher. At the same time, propane furnaces emit 69 percent less greenhouse gas than electric furnaces and 64 percent less than electric baseboard heaters.

For customers who want the ambience of a flickering fire — without the hassle of smoke and ashes — propane is a great option. In fact, today's propane direct-vent fireplaces are up to 90 percent efficient, while traditional wood-burning systems are only about 15 percent efficient. Such facts support trends highlighted in a recent industry survey, which showed domestic shipments of gas hearth products outpacing wood-burning units by more than a four-to-one margin.



Discover how the Propane Energy Pod makes a truly energy-efficient, carbon-friendly home.

Here's a sample of energy costs and emissions savings when the Propane Energy Pod applications are compared with applications that run on electricity. For more comparisons by region and home size, go to [buildwithpropane/energypod](#) and try our new Propane Energy Pod tool.

Cold Climate 3,600 Sq. Ft. Home	Propane Energy Pod Home	Standard Home	Savings/ Difference Per Year
Energy Costs	\$4,943	\$5,409	\$466
Annual Emissions (metric tons CO ₂)	22.5	33.8	11.3
Home Energy Rating System Index (HERS)	65	83	18

Research supplied by Newport Partners LLC.

Water heating



The U.S. Department of Energy estimates that water heating accounts for about 20 percent of average household energy use. Propane tankless water heaters can cost up to 50 percent less to operate than standard electric storage models while delivering hot water nearly 40 percent faster. When it comes to options, consider this fact: More than 350 propane tankless water heater models are Energy Star-rated.



Cooking and clothes drying



Watch nearly any TV food show and you'll see one common theme: Professional chefs love cooking with gas. How does that affect consumer sentiment? Consider this:



A recent survey by the National Kitchen & Bath Association revealed that 70 percent of

designers had installed gas cooktops in their clients' kitchens. That's because propane cooktops provide greater heat control than electric ranges, while propane ovens retain moisture in foods more consistently than their electric counterparts.

For clothes drying, propane is the clear choice. Compared with electric models, propane dryers work faster, reduce wrinkles and static cling, and produce a moist heat that is gentler on fabrics.

Put the Propane Energy Pod to work for you

More than ever before, your propane knowledge will be in demand when it comes to building efficiently. By incorporating the Propane Energy Pod solution in your plans, you can clearly demonstrate the cost, efficiency, and environmental benefits propane delivers compared with other energy sources. For more information on the research study results, go to [buildwithpropane.com/energypod](#). You'll find relevant training courses, as well as an interactive Propane Energy Pod tool to compare energy costs, Home Energy Rating System (HERS) scores, and carbon emissions for different-size homes and regions.

Use HERS to gain referrals

If you're looking for a new way to showcase the value of your home construction over competitors', consider applying the HERS Index to your projects. Developed by RESNET, the Residential Energy Services Network, the HERS Index compares a home against a built-to-code reference home and also allows comparisons of different designs and specifications. The HERS Index works across different climates and home sizes, and is used by builders to differentiate their high-performance homes from new and existing home competition. Try the Propane Energy Pod tool, which shows the HERS Index for different homes, and compare for yourself at [buildwithpropane.com/energypod](#).



Quality and Energy Efficiency Start with Training

The Propane Education & Research Council provides architects, remodelers, and other construction professionals with free, easy-to-take AIA-, NAHB-, NARI-, and USGBC-approved continuing-education courses on propane and its many applications, installation specifics, and products.

Through the Propane Training Academy, PERC's courses cover a broad range of topics, including tankless water heaters, home heating, and enhanced energy systems. Fulfill your training requirements and learn about the benefits of building with propane today.

A sampling of available courses:

- Residential Energy Performance Upgrades: An Energy, Economic, and Environmental Analysis
- Understanding the 2009 IECC Energy Code, Advanced Efficiency Programs, and Their Implications for Propane
- Propane-Enhanced Solar Water Heating
- Hydronic Heating in Rural Residential Applications
- Go Green with Propane: An Overview of Propane Gas Systems for Green Residential Construction
- COMING SOON: A new Propane Energy Pod training course will be online fall 2011.

Learn more, register, and start earning CEUs today. Go to propanetrainingacademy.com.



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