Louisiana
PROPANE GAS ASSOCIATION

LPGA

# 2024Members

## DEALER MEMBERS

AmeriGas Propane LP
Blossman Gas, Inc.
Cajun Propane
Ferrellgas
Harrell Gas, Inc.
Herring Gas Co. Inc. of LA
Jim's South Butane Propane
Lacox, Inc.
Lake Arthur Butane Co.
Lampton-Love Gas Co.
Lassalle Gas Co. Inc.
Metro Lift Propane
National Welding Supply Co.
Neill Gas Inc.
O'Nealgas
Pinnacle Propane
Reedgas Propane Co.
Sabine Country Butane Gas
Scott Petroleum

## ASSOCIATE MEMBERS

All Propane Parts & Equipment
Bergqu, Inc.
Bevolo Gas & Electric Lights
CUI
Dealers LP Equipment
Enterprise Products
Gas Equipment Co., Inc.
Hercules Transport Inc.
L.E. Klein Co., Inc.
Martin Gas Sales
Meeder Equipment Company
Midstream Transportation Co. LLC
Mississippi Tank Company
NGL Supply
P3 Propane/GenerationNext Propane
Pros/Consumer Focus Marketing
Quality Steel
Rego Products
Tarantin Industries, Inc.

September 2024

# E-Newsletter

## Make Way for National Propane Day!

As Louisianians and southerners, we are no stranger to hurricanes and tropical storms. As much as you can prepare for what may come, so many things about storms can't be predicted. The devastation it leaves in its wake is hard to fathom and even harder to live through. Our hearts and prayers go out to all those who were affected by Hurricane Helene and Hurricane Francine.

We are still in the most active part of the Atlantic hurricane season and the full season runs through November 30. Please remain vigilant and prepared should any more head our way.

The 2023 annual propane retail sales report is now available. Each year PERC asks for propane retailer participation to complete the Annual Retail Propane Sales Report. This information is vital to helping PERC and the industry understand market trends across the propane industry and the evolving needs of individual retailers of odorized propane. It will also ensure that each state receives an accurate amount of state rebate funding from PERC to support vital local projects that impact safety, training, and growth.

Thank you for your participation in this important annual effort. Click **here** to view the full report.

Don't forget, National Propane Day is coming up on October 7!

If you have any questions, please don't hesitate to contact the LPGA office at 225-763-8922.

Targa Resources
Terravest Industries

**AFFILIATE MEMBERS**

Baker Texaco
Bayou Outdoor Supercenter
Best Stop #3
Best Stop #19
Bronco Stop
Canal Discount Mart Inc.
Cenla RV Center
Chris' Specialty Foods
Da Bait Shop LLC
Dean Food Mart
Depot II, Inc.
Doiron's Landing, LLC
Earl's Cajun Market LLC
Fontaine Lumber Co, Inc.
Fremin's Food & Furniture
Fuel Express Mart
Golson Enyerprises LLC
Guidry's Food Store Inc.
HRM Inc./Maxi Mart
K & G on the Geaux
Kornbread Korner
LA 88 Discount Food Mart
Lagneaux's Country Store
Land-O-Pines Family Campground
Livonia Lumber & Farm Supplies
Macro Companies Inc.
Nash Express
Paul's Grocery of Eva, LLC
Paul's Meat Market & Grocery LLC
Petals Inc.
Petro Plus
Philip Food Mart, LLC
Popingo's Convenience Stores LLC
Raceway 728
Railside Feed & Supply LLC
Riche's Y-Not Stop
River's Fresh Market
RP Custom Trailers & Service
Rockery Ace Hardware
Safe & Sound Storage
Sagona's Hardware & Sporting Goods
Savanne Mini Mart
Southend Country Mart Inc.
Speedy Mac's
Sunshine III LLC
The Fruit Stand, Inc.
The Robberson Thib's
Tickfaw Pit Stop
Vidrine & Vidrine LLC
Warm Thoughts Communications
Whitehall Mall LLC
Wilderness Acres
Xtreme Hardware

# 2024-25 Calendar of Events

***October 7, 2024:*** National Propane Day!
***November 7-8:*** State Leadership Summit, Washington, DC.
***December 15:*** NPGF Scholarship Applications Open.
***December 2024:*** Fourth Quarter Board of Directors Meeting, Natchitoches, LA-Date TBD.
***February 15, 2025:*** NPGF Scholarship Applications Deadline.
***March 2025:*** First Quarter Board of Directors Meeting, Date and Location TBD.
***April 4-6, 2025:*** Southeastern Propane Expo, Charlotte Convention Center-North Carolina.
***June 8-10, 2025:*** NPGA Propane Days, Hilton Washington DC Capitol Hill.
***June 29-July 1, 2025:*** APGA-LPGA Annual Summer Convention, Perdido Beach Resort-Orange Beach, Alabama.

# Governors Launch Energy Choice Coalition

Jeff Landry (Louisiana) and Chris Sununu (New Hampshire) recently unveiled a new coalition to support smart state energy policies, including principally the policy of energy choice. According to the press release, "The Governors' Coalition for Energy Choice will help state leaders formulate smart energy policies that will benefit working families, businesses, and our communities." To date, governors from the following ten states have officially joined the coalition: Arkansas, Indiana, Georgia, Louisiana, New Hampshire, Oklahoma, South Dakota, Tennessee, Virginia, and Wyoming.

Residential homes, commercial buildings, and industrial facilities have long utilized a variety of energy sources, including propane, to meet their unique heating and energy needs. State energy choice protections promote fairness and competition in the marketplace, which benefits all energy consumers. NPGA will continue to support state policies that safeguard consumer access to reliable and affordable energy options.

Additional information on energy choice can be found under the My State section of NPGA's website. For more information, contact NPGA's Director of State Affairs, Jacob Peterson at jpeterson@npga.org.

# Propane Fuels Lifelong Learning

As more students return to school across the country, it's never too late to share how propane can fuel their education and their future. Connecting with local community colleges, technical schools, and other educational institutions in your area helps the industry find, train, and retain the next generation of the propane workforce.

A variety of resources are available for you to engage with learners of all ages—elementary through adults—on PERC's website.

Partnering with local schools is a great way to give back to your community while also sharing with students your unique perspective as a propane provider. Volunteering for Career Day is made easy with PERC's Career Day Kit. The kit includes activities and experiments suitable for each school level as well as resources for high school students to learn about career opportunities in the propane industry.

Schools often need volunteers to help connect classroom learning with real-world experiences. Educators can utilize PERC's 13 free courses for agriculture science classes to teach students about the role propane plays in agriculture operations.

Another free course tailored to HVAC and plumbing classes called "Overview of Propane Distribution Systems" includes everything instructors needs from curricula to quizzes, while also making students more employable by expanding the types of plumbing and HVAC systems they're qualified to work on. If your local high schools are interested in implementing this curriculum, be sure to tell them programs like The HVAC Technical School Grant Program are here to help with extra funding and resources to enhance their real-world teaching.

Post-secondary schools are also eligible for The HVAC Technical School Grant Program as well as the Propane Autogas Vehicle Inspection Program, which helps community colleges and trade schools expand their automotive courses with propane-specific curricula. Applications for the 2025 school year grant programs are now open through December. Learn more about these programs and eligibility requirements on propane.com.

The demand for reliable, environmentally friendly energy is growing, making now an ideal time to connect with schools to ensure their students understand how a career in propane is beneficial, reliable, and rewarding. Whether students choose to attend college, trade school, run their own business, or take another path, connecting with schools in your area keeps the future generations interested and informed about propane and the various careers our fuel makes possible.

propane
ENERGY FOR EVERYONE

# Fueling Education for Careers in Propane

**THE ENERGY FOR EVERYONE HAS RESOURCES TO PREPARE ANYONE FOR A PRODUCTIVE FUTURE.**

The demand for reliable, environmentally friendly energy is growing, making it an ideal time to encourage students to pursue a career in propane. That's why the Propane Education and Research Council (PERC) has developed lesson plans to support industry education, appropriate for all learning levels, from K-12 to college. You can also help to expand students' future opportunities, by getting in touch with schools in your area to make sure students understand that a career in propane can be reliable, rewarding and part of a clean energy solution for the future.

**Reach out to your local schools to introduce students to propane-specific lessons and career paths. Find more information at:**
**propane.com/supporting-the-propane-workforce**

Propane Education & Research Council

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# Rental Company Prospers with Propane Power

With the proliferation of battery-powered equipment for material handling on a job site, it's crucial to have a means for recharging in order to keep projects moving and on deadline.

A generator is the obvious solution, but many generators are diesel-powered and dispense harmful smoke and emissions, which defeats the purpose of using electric equipment in the first place.

Chuck Justus of Evergreen Mobile Power in Pacific, Missouri, is well aware of all this, which is why his company introduced the JuiceBox in 2013, a propane-powered generator that is rented and sold under the Green2Go Rental Power brand for many applications, especially material handling.

The benefits of propane power generation are numerous. First and foremost, propane generators, including the mobile JuiceBox, are easily introduced to job sites. Propane generators significantly improve local air quality, particularly by mitigating emissions both seen and unseen, like particulate matter — the black smoke that is emitted from a diesel generator — and nitrogen oxides.

Propane is also up to 40% less expensive than diesel and gasoline, and because it burns cleaner, there isn't the strong odor typically associated with diesel or gasoline generators. Plus, they are typically smaller and run quieter, making them a solid choice for remote power.

**Juicing Up Job Sites**

The JuiceBox is a mobile, propane-powered generator that can be easily wheeled onto a job site to recharge items as diverse as forklifts, scissor lifts, pallet jacks, skid steers and small excavators. It's compact, measuring 50 inches long, 50 inches wide and 54 inches tall. It can be easily moved from place to place, and it carries two 32-gallon propane tanks on board that can be seamlessly swapped out.

Propane removes harmful emissions at a job site, which

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benefits workers and management, and anyone else in the immediate vicinity, like homeowners. Propane generators reduce emissions substantially compared to diesel generators, including 24% less carbon dioxide emissions. Using renewable propane, or propane generated from feedstock like plants, wood waste or used cooking oils, can reduce carbon dioxide emissions by up to 70% compared to diesel. Compared to gasoline generators, propane models produce about half as much carbon monoxide and far fewer greenhouse gases.

But there is another powerful reason to use a propane-fueled generator: reduced costs. It's simply much more expensive to operate and maintain a diesel generator compared to a product like the JuiceBox. "There is a cost to operate that machine every hour, and the cost is fuel and maintenance," Justus said. "Those things have a price tag."

Since propane costs substantially less than diesel, Justus estimates it is $8 per hour cheaper to run a JuiceBox than a diesel generator counterpart. "That adds up really quick," he said. "It's hundreds of dollars cheaper to operate, considering fuel costs and maintenance." Maintenance includes fuel filters for a diesel generator, which the JuiceBox doesn't need, and the fact that a diesel generator has a larger oil requirement to operate — two gallons compared to two quarts for the JuiceBox. All of these factors keep budgets on track.

Consider also the fact that since propane by its nature is an extremely portable and clean-burning fuel, propane generators require less maintenance, which also has a positive impact on budgets. Propane is also a primarily domestic fuel; 90% of propane used in the United States, for a wide variety of applications beyond generators, comes from this country. That means the cost is stable and isn't affected by geopolitical issues that impact diesel and gasoline prices.

**Indoor Power Needs**

But what about indoor buildings, like a warehouse, distribution center or manufacturing facility, that also may use propane forklifts and propane heaters? One possibility is Evergreen Mobile Power's Rover Power Bank, which was introduced this year and is a key rental product. It's a mobile, propane-powered charging station that can charge more than 20 tool batteries from any tool manufacturer, two-way radios, cell phones and other power tools.

Like the JuiceBox, the Rover Power Bank is compact, measuring 40 inches long, 36 inches wide and 69 inches tall, which means it can be stored in out-of-the-way locations until it's needed. It uses two seven-pound propane tanks and can be used at a job site as well. It has enough power to operate for more than four days at a time.

Whether it's reduced emissions and maintenance, cost savings, or portability, Justus is adamant that propane makes a lot more sense for material handling power generation applications than diesel.

"In the rental generator world, everyone wants clean power, but they want it to come from diesel," he said. "Inherently, that's not going to happen. We have to look at other things. Propane is easy. The infrastructure is already there, people are familiar with it, the supply is already there. Propane is a solution for today — it's here today, it's clean now."

# Pioneering Research Uses CO2 to Produce Renewable Propane

RICHMOND, VA (September 12, 2024) – Researchers at the Illinois Institute of Technology (IIT) have demonstrated breakthrough technology capable of producing propane from carbon dioxide (CO2) and electricity from intermittent renewables such as wind and solar with unprecedented efficiency. The project has been selected by the US Department of Energy's (DoE) Advanced Research Projects Agency-Energy (ARPA-E) program to receive $3,853,707 in funding through the Grid-free Renewable Energy Enabling New Ways to Economical Liquids and Long-term Storage (GREENWELLS) initiative.

"We have been pursuing renewable propane pathways that can produce fuel with a potential carbon intensity significantly below zero, and this project will show it can be done at scale," said Tucker Perkins, president and CEO of the Propane Education & Research Council (PERC), which is providing an active advisory role on the project. "We're seeing huge demand for renewable propane to lower carbon emissions, particularly in hard-to-abate industries like transportation and port operations. This technology could be a key to turbo-charging supply to meet that demand."

The IIT project team aims to showcase the process on a kilowatt scale (equivalent to processing of up to 4 kilograms per day of propane) utilizing a system of multiple carbon dioxide electrolyzer stacks. By employing multiple stacks, the configuration permits operation within 1-100% of its capacity, accommodating intermittent and variable power supplies. The full process will result in an unprecedented 97% propane selectivity.

"This is a negative-carbon process, using only captured CO2, water, and renewable electricity as inputs," said Dr. Mohammad Asadi, the lead researcher on the project. "We believe that when this technology is scaled up, it will produce renewable propane at a lower carbon intensity than any other current pathway while remaining cost-competitive with conventional propane."

Most renewable propane commercially available today is recovered as a byproduct during the production of renewable diesel and sustainable aviation fuel (SAF), which commonly use waste fats, oils, and greases as feedstocks. PERC views "on-purpose" renewable propane production as a beneficial step forward for the propane industry and the industries it supports.

"Of all the pathways we have identified for producing renewable propane, none have approached the 97% propane selectivity Dr. Asadi and his colleagues have demonstrated," said Dr. Sai Satish Guda, research and development manager at PERC. "It is an extraordinarily efficient process, converting almost all the raw materials into the final product. Ultimately, that will mean less costs associated with separating byproducts from the resulting propane."

GTI Energy is an active research partner in the project, providing technical support and third-party verification of results. Netherlands-based SHV Energy is also a partner, assisting in bringing the technology to market.

The GREENWELLS initiative aims to develop processes for harnessing intermittent renewable energy sources like wind and solar to produce liquids for sustainable fuels or chemicals and their precursors. According to DoE, creating new opportunities to harness renewables off-grid is critical for achieving net zero by 2050.

The IIT project is one of 14 projects nationwide selected to receive a total of $41 million in GREENWELLS funding in 2024. Learn more about GREENWELLS and the 2024 awardees from the DoE press release.

Learn more about renewable propane at propane.com.

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*About PERC: The Propane Education & Research Council is a nonprofit that provides leading propane safety and training programs and invests in research and development of new propane-powered technologies. PERC is operated and funded by the propane industry. For more information, visit Propane.com.*

# Hybrid Power Generation Technology Facilitates Resilient, Portable Power

WASHINGTON (September 5, 2024) – The Propane Education & Research Council (PERC) and Qnergy, the leader in pioneering solutions for the distributed methane challenge, have announced the completion of a three-year partnership resulting in the development of a stand-alone, hybrid NanoGrid Power Generation Package based on Qnergy's PowerGen platform.

Ideal for electric vehicle (EV) charging, this hybrid technology creates an opportunity for a network of distributed, autonomous, resilient, and reliable charging stations powered by propane or other portable fuel. The PowerGen is a unique product, capable of serving the needs of many distributed, small, prime-power loads without the complications associated with deploying typical grid technology at remote or stand-alone job sites.

"We appreciated the opportunity to partner with Qnergy and bring together the clean and portable benefits of propane with the incredible reliability and low-maintenance requirements of their PowerGen product," says PERC's Jim Bunsey. "This combination creates a clean, efficient, resilient, and versatile solution to distributed power challenges."

Qnergy's PowerGen series, driven by a unique, externally heated Stirling engine, is a thermal-powered generator, engineered to operate with minimal maintenance requirements while supplying grid-quality power. Capable of operating on multiple fuel sources, including propane, natural gas, and carbon-neutral renewable fuels, the generator provides a resilient power solution that can be customized to meet a wide range of customer challenges. The demonstration module can be made portable with a smaller liquified petroleum gas (LPG) tank, enabling customers to transport the system within a charging network, based on commuter charging demand.

The partnership featured a first-of-its-kind demonstration of a PowerGen NanoGrid module combined with a Parafour Innovations refilling station, which provided charging for multiple EVs or onsite propane tank refilling. Qnergy uses the Parafour equipment to refill tanks for its small fleet of propane forklifts, but the equipment is dually capable of filling LPG-equipped fleet or commuter vehicles. The PowerGen hybrid met key performance metrics while delivering configurable user power and energy. Additionally, PowerGen boasts low-NOx and CO2 emissions, far below EPA requirements from a small propane-powered generator.

"PERC has been an outstanding partner to work with, and their support and collaboration have been pivotal in identifying opportunity and achieving these breakthroughs," says Qnergy's CEO, Dr. Ory Zik. "This technology is a testament to Qnergy's ability to deliver customized products for the most unique customer situations. Implementation and continued development of these solutions is key to reducing emissions and building a more sustainable future."

For more information on Qnergy's methane abatement and remote power solutions, visit https://qnergy.com/productlines/.

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*ABOUT PERC*

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*ABOUT QNERGY*

*Qnergy is dedicated to solving the distributed methane challenge. Leveraging the exceptional capabilities of our linear Free Piston Stirling Engine, we harness low-grade, otherwise polluting, methane into useful power. We have already deployed thousands of units, leading to emission reduction of millions of tonnes of CO2e.*