

Natural Gas News



This season, we're especially grateful for the wonderful communities we serve. Thank you for trusting us to keep your homes warm and your families safe all year long.

May your Thanksgiving be filled with good food, laughter, and time spent with the people who matter most.

From our family to yours, we wish you a warm and joyful holiday.

-Your friends at Wyoming Gas Company



Wyoming Gas Company will be closed on Thursday, November 27th for the Thanksgiving Holiday. We will return to normal business hours on Friday, November 28th.

INNOVATIONS IN NATURAL GAS TECHNOLOGY: WHAT'S ON THE HORIZON

Natural gas has long been a cornerstone of the global energy landscape due to its relatively lower carbon emissions compared to other fossil fuels. However, as the world moves towards cleaner energy, innovations in natural gas technology are crucial for enhancing its efficiency and sustainability. Here's a glimpse of what's on the horizon.

Methane Leak Detection

Methane is a potent greenhouse gas, so minimizing leaks is essential. Innovations like advanced sensors, drones, and satellite monitoring are making methane leak detection more precise. These technologies, coupled with better sealants and automated shutdown systems, are reducing the environmental impact of natural gas operations.

Renewable Natural Gas (RNG)

Produced from organic waste materials, renewable natural gas (RNG) is chemically identical to conventional natural gas but is considered carbon-neutral. Advances in anaerobic digestion and gas upgrading technologies are enhancing the efficiency and cost-effectiveness of RNG production, offering a sustainable alternative to fossil natural gas.

Hydrogen Production

Natural gas is a key feedstock for hydrogen production, a clean energy carrier. Innovations like methane pyrolysis, which produces hydrogen and solid carbon without CO₂ emissions, and integrating carbon capture, utilization, and storage (CCUS) with hydrogen production processes, are paving the way for cleaner hydrogen production.

Fuel Cells and Combined Heat and Power (CHP) Systems

Fuel cells convert natural gas directly into electricity with high efficiency and low emissions. Combined heat and power (CHP) systems generate both electricity and thermal energy simultaneously, maximizing energy use and minimizing waste. These technologies represent significant advancements in the efficient use of natural gas.

Artificial Intelligence (AI)

AI and machine learning are optimizing natural gas operations by improving the efficiency of gas extraction, processing, and distribution. These technologies enable precise control and monitoring, leading to safer and more efficient operations. Technological innovations are transforming the natural gas industry, making it cleaner, more efficient, and more sustainable. Enhanced extraction techniques, improved leak detection, renewable natural gas, cleaner hydrogen production, advanced fuel cells, and AI-driven optimizations are setting the stage for a brighter future for natural gas. As these technologies continue to evolve, natural gas is poised to play a pivotal role in the transition to a more sustainable energy landscape.

Source: <https://www.truenaturalgas.com/blog/post/innovations-in-natural-gas-technology-what-s-on-the-horizon1>

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Fun Facts About Natural Gas!

Ancient Chinese engineers created the world's first natural gas pipelines out of bamboo around 500 BCE. They would find places where gas seeped naturally from the ground and used these rudimentary pipes to transport the gas to burners. The Chinese used the gas to boil saltwater, which separated the salt for trade.

Recipe: Green Bean Casserole



Ingredients:

- 2lbs green beans
- 12 Tbsp unsalted butter
- 1 white onion, sliced lengthwise
- 1lb cremini mushrooms, sliced
- 4 garlic cloves, finely chopped
- Salt and pepper
- ½ cup all-purpose flour
- 3 cups whole milk
- 3 cups vegetable stock
- 1 ½ cups French's fried onions
- 1 ½ cups pecorino cheese

Directions:

1. Preheat oven to 350°F and prepare an ice bath.
2. Boil green beans for 3 minutes, then cool in the ice bath.
3. Melt half the butter and sauté garlic and onions for 5-7 minutes, then add mushrooms.
4. Melt remaining butter, whisk in flour, milk, stock, salt & pepper. Simmer until thickened, about 4 minutes.
5. Combine sauce, beans, and mushroom mix into a 9x13 dish. Bake 15-20 minutes.
6. Top with fried onions and cheese. Bake until crisp. Cool and enjoy.

COMMUNITY EVENTS



Worland

November 7th 5:30-10pm 14th Annual Mammoth Quick Draw at the Washakie Museum, tickets \$75. Enjoy artistry, gourmet dinner, music, live auction, silent auction and a raffle.

November 9th 9am-2pm Frandson Safety Annual Craft and Vendor Fair at 1100 US Hwy 16 across from Bloedorn Lumber. Food, bake sale, and over 20 tables of great Christmas gifts. 20% off all store merchandise at Frandson Safety to kick off the holiday season.

November 15th 9am-3pm Washakie County Hobby Day at the Washakie County Fairgrounds. Handcrafted arts and crafts items by local and neighboring area crafters plus home-based vendors. Free admission. Coffee, baked goods, and lunch will be available for purchase. Want a vendor table? Contact Karen Bain at 307-921-8749 or Nina Nelson at 307-431-9123.

Thermopolis

November 27th 12:30pm Thanksgiving Meal at the Episcopal Church, 642 Arapahoe Street. Call Holy Trinity Episcopal Church at 307-864-3629 or Judy Carswell at 307-921-8264. If you would like to volunteer to help or bring food, please call Judy Carswell.

November 15th 9am-3pm Western Christmas Silent Auction to benefit the People for People Backpack Program. Thermopolis Middle School, 1450 Valleyview Dr. For more info contact Judy Carswell 307-921-8264 or Ranae Baldes 307-921-1837.

Greybull

December 6th 8am-3pm Holiday Craft Bazaar Bring your crafts and goods to the annual bazaar. Over 65 local vendor tables with baked goods, art, decorations, and more. Free admission at the Asp Community Center. For more info call 307-765-9575.

Reminder: Event information is subject to change. Please contact event organizer for event status. This section is for local, non-partisan, non-religious, non-profit messages. Preference given to nonprofits. Submit by the 10th to customerservice@wyogas.com for inclusion in next month's edition. Thank you!

Natural Gas News is an official publication of Wyoming Gas Company published monthly by Alyssa Rascon, Hobbs Assistant Office Manager, administrator@wyogas.com



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PROUDLY SERVING THE COMMUNITY OF WYOMING FOR OVER 100 YEARS. THANK YOU!



ANNIVERSARY

