



NOVEMBER 2025

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 Zia Natural Gas Company



Zia Natural 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



Ruidoso

November 14th-16th Christmas Jubilee at the Ruidoso Convention Center. Welcome to Ruidoso's annual shopping extravaganza with 75 local merchants, a food court, and food trucks. For more info visit www.ruidosochristmasjubilee.com.

November 30th Christmas Tree Lighting 1pm-7pm

Celebrate the start of the holiday season during this free, family event at Inn of the Mountain Gods. Barnes & Noble pop-up gift shop, pictures with Santa, complimentary cookies and hot cocoa, and a choir singing your favorite holiday hits. Then, get ready to welcome the holiday season as we light up the Christmas tree!

Hobbs

November 15th Art for Recovery 6pm-8pm Free Admission. Unity Recovery Solutions Invites you to the 2nd annual Art Auction at Lea County Center of The Arts. Entertainment by Sparrow Dance Company and Hobbs High Orchestra, light appetizers, mocktails.

Las Cruces

November 9th BCOM SOMA's Fall Festival 5k to raise funds for childhood cancer research. 9am-3pm at 3501 Arrowhead Dr. in Las Cruces. \$20 registration fee for 5k, kids 12 and under are free. Free admission for festival activities, games, crafts and more!

November 17th Contra Dance 7:30pm Mesilla Valley String Band with caller Carol Ann Fugagli to guide you. No partner needed, everyone dances with everyone, all ages welcome. Mesilla Community Center, free lesson at 7:30pm. Requested donation- adults \$10, under 21- \$8. for more info call 575-636-5509 or karl@snmmds.org.

Maxwell/ Springer/ Cimarron

Saturdays in November- Karaoke at the Depot at 704 Maxwell Ave, Springer, NM. Starts at 7:30pm. Come sing for the fun of it! We have all the songs you could ever want!

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 arascon@zngc.com for inclusion in next month's edition. Thank you!

Natural Gas News is an official publication of Zia Natural Gas Company published monthly by Alyssa Rascon, Assistant Office Manager arascon@zngc.com

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