

Energy Insights: Comparison of Home Appliance Energy Use, Operating Costs, and Carbon Dioxide Emissions



This AGA study evaluates the critical differences in energy cost and emissions for many common home appliances that use natural gas or rely on other

forms of energy. AGA based this study on the characteristics of the average American single-family home and the likely energy consumption for each type of end-use home appliance. The analysis then looks at the current average full-fuel cycle greenhouse gas emissions for each energy source to evaluate the impact on the environment from each appliance in the coming year.

Key Study Conclusions

- The average cost for residential natural gas is the cheapest form of energy, costing homes \$12.09 per MMBtu versus \$41.79 per MMBtu for electricity, \$25.11 per MMBtu for distillate oil, and \$24.42 per MMBtu for propane.
- The typical natural gas single-family home with standard efficiency appliances costs less than other fuel sources at just \$1,068 per year. Even compared to a home with a cold climate heat pump, the natural gas home on average saved \$390.
- Based on 2020 power generation emissions data from the EPA, the use of natural gas can lower household emissions this year by 17% compared with a home using many minimum-efficiency electric appliances including an energy star heat pump for space heating.
- A cold climate heat pump and heat pump water heater showed lower emissions compared to the typical gas home with standard appliances. With the installation of condensing natural gas space and water heaters, natural gas homes can reach 11% lower emissions this year than with the use of many advanced air-source heat pumps.
- The use of natural gas heat pumps can further lower emissions by 22% compared to the cold climate heat pump configuration.

There Are Many Ways to Improve Your Lifestyle with Natural Gas

As a Zia Natural Gas customer, you already know and appreciate natural gas as the most efficient and cost-effective energy source to heat your home and cook your meals. But there are many other ways to utilize natural gas in your home or business to add even more convenience and efficiency to your life. Here are some examples:



Home and Business Standby Generators - When electricity fails, natural gas is there to keep your household operating and your family safe. Get peace of mind and automatic protection

during a power outage by installing a natural gas standby generator with automatic transfer for your home or business. These generators come in different sizes and put the control back in your hands. Larger generators can power your entire home in the event of an outage or you can choose a smaller generator and power only what you deem necessary.

Clothes Dryer - Natural gas clothes dryers can save you money in energy costs compared to electric models. Using a natural gas clothes dryer also dries your clothes quicker than an electric model because natural gas clothes dryers use a large quantity of dry, absorbent air which passes through your clothes and dries them more quickly.¹



Outdoor Grills - By converting your outdoor cooking grill to natural gas, you will never have to worry about running out of propane again. With a natural gas cooking grill, you can focus on cooking and entertaining your guests and not how much propane is left in



the tank. The continuous flow of natural gas lets you focus on being the master of your backyard barbecues. Plus, it is better for the environment because of fewer greenhouse gas emissions.

¹https://www.diffen.com/difference/Electric_Dryer_vs_Gas_Dryer

Recipe
DIRECTIONS

Pineapple Chicken Casserole

Ingredients:

2 Cups cubed cooked chicken	1 tablespoon chopped green onions
1 can (10-1/2 ounces) condensed cream of mushroom soup, undiluted	1 tablespoon reduced-sodium soy sauce
1 cup Pineapple tidbits	1 can (3 ounces) chow mein noodles, divided
2 celery ribs, chopped	

Directions

Preheat oven to 350°. In a large bowl, combine the first six ingredients. Fold in 1 cup chow mein noodles. Transfer to a greased shallow 2-qt. baking dish. Sprinkle with remaining noodles. Bake, uncovered, until heated through, 20-25 minutes. If desired, top with additional green onions.



COMMUNITY CALENDAR

10 best activities in Greybull WY.

Nestled in the heart of the western state of Wyoming, lies the charming small town of Greybull. Surrounded by sweeping plains and majestic mountain ranges, Greybull is a paradise for outdoor enthusiasts. Whether you're a seasoned adventurer or a curious beginner, Greybull offers a plethora of thrilling activities that promise to leave you spellbound. From exciting hiking trails to adrenaline-fueled river excursions, we have curated a list of the 10 best activities in Greybull that will surely satisfy your wanderlust and ignite your sense of adventure. So, put on your hiking boots, grab your camera, and get ready to explore the rugged beauty of this picturesque town.

Big Horn Canyon- Enjoy scenic views and wildlife sightings at this national recreation area

Museum of Flight and Aerial Firefighting- Explore the history of aviation and firefighting in the area

Greybull Museum- Learn about the local history and see artifacts from the area's past

Red Gulch Dinosaur Trackside- See preserved dinosaur footprints from the Jurassic period

Big Horn Basin Farmers Market- Check out local produce and crafts at this weekly market

Shell Falls- Visit this waterfall and scenic overlook for a peaceful hike or picnic

Historic Greybull Hotel- Take a tour of this historic hotel and learn about its past guests and events

Greybull City Park- Enjoy a picnic or play on the playground at this community park

Medicine Wheel National Historic Landmark- Visit this ancient Native American site for a glimpse into the past

South Big Horn County Airport- Watch planes take off and land, or take a scenic flight over the area

Continuing in August – Thermopolis - Red Dirt Master Gardeners Farmers Market Downtown Thermopolis, 5th Street between Warren and Broadway, every Saturday June through September (weather permitting) 8:00 AM - Noon.

August 4 – Thermopolis - Junior Livestock Auction. 8:00 AM - 4:00 PM. Fairgrounds

August 5 – Worland – Washakie Museum Hometown Hootennay. Dance 5:00 - 10:00 PM. Worland Community Center, 1200 Culbertson Avenue. \$10 Cover charge (food & drink not included).

August 5-6 – Thermopolis - Wyoming Discovery Days 2023. 10:00 AM - 10:00 PM and 10:00 AM - 4 PM. Hot Springs State Park Thermopolis, WY. Free folklife festival with fun for the whole family! Music at the Pavilion all weekend, Food trucks, Storytelling Tent, Petting Zoo, Black Smith, Primitive Camp with Chuck Wagons and Wool Spinning, Demonstrations, Pony Express Mail Station, Weenie Dog Race, Lots of Artisans and Vendors, Beer Garden and so much more! Look for the shuttle bus so you don't have to worry about parking in the State Park!

August 18-19 – Worland – Pepsi WY State BBQ & Bluegrass Festival. Bluegrass award winning bands: J2B2 John Jorgenson Bluegrass Band, Special Consensus, Kentucky Blue. Free Admission. Washakie County Fairgrounds Worland, WY. For more information: wyobbqand-bluegrass.com.

August 19 – Basin - Friends of the Basin Library Annual Mexican Taco Bar Fundraiser. 5:30 - 7:30 PM. Washington Park. \$5 per person, \$20 immediate family.

Reminder: We use this section for our local communities. The messages must be non-partisan and non-religious. Non-Profit organization messages will be given preference. Please send the information to customerservice@wyogas.com before the 10th of the month to make the following month edition. Thank you.

“Do I not destroy my enemies when I make them my friends?” - Abraham Lincoln

STICK WITH BLACK AND BLUE

Ink pens come in a large array of colors these days. These different colors add a flair to our writing style and allow us to change things up a bit in our day-to-day writing. However, as with any legal document, you should only use black or standard blue ink when filling in your checks. Here's why...checks these days are rarely deposited into banks like they were years ago.

Consumer checks are more frequently scanned with a Batch Feed Scanner and electronically submitted for deposit. The algorithm used by these Batch Feed Scanners decipher the contrast between the paper color and the written ink color. When the color spectrums of the two are similar it is difficult for the scanner to identify the contrast, even though to the human eye it looks fine, even appealing. In this instance, when a check reaches its deposit destination it might appear to have no writing on it at all. This can create unnecessary delays in a payment being credited to an account and in some cases, result in the check being returned.

It is for this reason that we ask our customers to use only black or standard blue ink when writing checks to Wyoming Gas Company.

Other tips for mailing in payments:

- ✓ Please make sure to enclose your payment stub with your payment.
- ✓ Never staple or tape your check to your payment stub.
- ✓ Allow for several days of transit when mailing your payments.

To avoid mailing hassles, customers can also make payments on line at www.wyogas.com or by calling their local office and making a payment over the phone with a credit card or a check.



Proudly serving Wyoming for over 100 years!

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Wyoming's Natural Choice...
Wyoming Gas Company
Knowledgeable, Reliable, Local



Know what's below.
Call before you dig.

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