SPRING 2024

YOUR PROPANE CONNECTION IN MINNESOTA

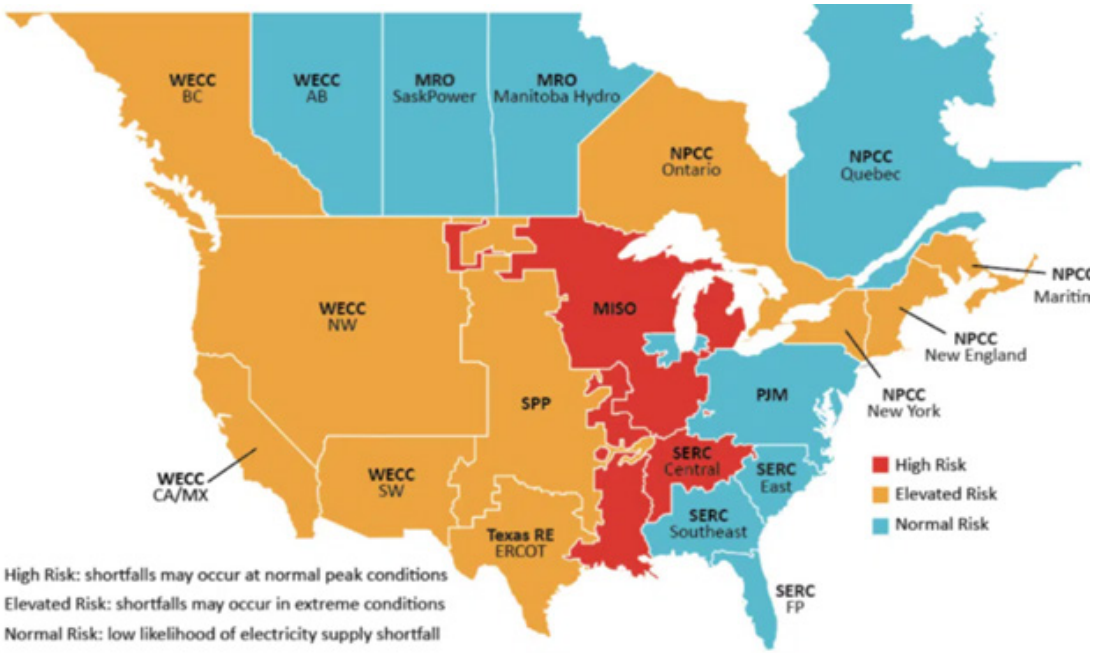
MINNESOTA PROPANE ASSOCIATION
MINNESOTA PROPANE ASSOCIATION
WWW.DISCOVERPROPANEMN.COM

MINNESOTA'S ELECTRIC GRID AT HIGH RISK OF BLACKOUTS IN NEAR FUTURE

The North American Electric Reliability Corporation (NERC), the international regulatory authority with the mission to ensure the reliability of the electric grid, released the latest version of its Long-Term Reliability Assessment.

The report warns that a growing number of areas in North America face the risk of power outages, and the regional electric grid to which Minnesota belongs, the Midcontinent Independent Systems Operator (MISO), is one of the area's most at risk of rolling blackouts in the years to come, which you can see in the map below.

MISO regions are most at risk of rolling blackouts in the coming years. These regions are designated as "High Risk" because there will not be enough reliable power plants to meet electricity demand in the future due to rising electricity consumptions and nuclear, coal, and natural gas power plant retirements.



MISO's missing megawatts
According to NERC, the MISO region will see far more reliable power plant retirements, meaning coal, natural gas, oil, and nuclear plants, over the next ten years than any other region.

This means that MISO will be burning the reliability candle at both ends by attempting to meet growing electricity demand while simultaneously shutting down reliable power plants. This is California-style energy policy.

What can you do to protect yourself from Electric Grid Reliability?
Choose propane for all your appliances. Minnesotans, especially rural Minnesotans, need reliable energy and access to all forms of energy at an affordable price. Propane is energy stored on-site, making it less vulnerable to reliability issues. According to the EPA, propane is almost three times more efficient than electricity.

MINNESOTA PROPANE ASSOCIATION

Calculating Electricity Price Per Equivalent Unit of Propane

ENERGY FOR EVERYONE propane

A Electricity Price per kWh* **x** **B** Energy Content Conversion Rate **=** **C** Electricity Price Per Equivalent Unit of Propane

B Energy Content Conversion Rate

1 Gallon Propane = 27 kWh

1 kWh = 3,412 BTUS

▼

27 kWh = 92,124 BTUS

Example Calculation

A $.135 (Electricity Price per kWh*) **x** **B** 27 (Energy Content Conversion Rate) **=** **C** $3.65 (Electricity Price Per Equivalent Unit of Propane)

$2.42 Propane Price Per Gallon** **vs** $3.65 Electricity Price Per Equivalent Unit of Propane

*To calculate your local price per kWh, take the total cost on an electric bill and divide that by the total kilowatt hours used.
**Use your local propane price per gallon.

Propane Education & Research Council

Win 400 Gallons of Propane

Read the articles in this newsletter, correctly answer the questions below, complete and mail the form to: MPA Contest Entries, 12475 - 273rd Ave NW, Zimmerman, MN 55398 OR you can also fill this out online at: http://discoverpropanemn.com/form/view/32716

1. What does NERC stand for? _____
2. According to the EPA, how much more efficient is Propane vs Electric? _____
3. Which produces fewer greenhouse gas emissions? Propane Range or Electric Range, and by ☐ percent.
4. What can you do to protect yourself from electric grid reliability? _____
5. Is Minnesota at risk of rolling blackouts? ☐ Yes ☐ No

Name: _____

Address: _____

City _____ State _____ Zip_____

Phone _____ Email_____

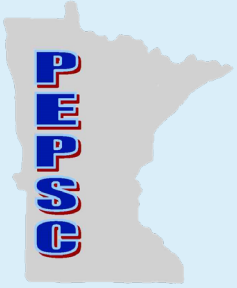
Your Propane Dealer: _____

No purchase necessary. A purchase will not improve your chances of winning. Employees of MPA, its affiliates, agencies or vendors may not enter. Winner will be notified by email or phone call. Drawing will take place July 31st, 2024.

The winner of the 400 gallons of propane in the 2023 edition of "Your Propane Connection in Minnesota" was a customer of Federated Coop, Milaca, MN.

PROPANE FUN FACTS

1. Propane-fueld tankless water heaters emit up to 57 percent fewer greenhouse gases compared to electric tankless models. While storage tank water heaters emit up to 56 percent fewer greenhouse gases than electric water heaters.
2. Propane cooking ranges generate up to 15 percent fewer greenhouse gas emissions compared to electric ranges.
3. Heat pumps produce less-than-comfortable heat nearly 60 percent of the time. Propane consistently delivers comfortable heat all the time.
4. Propane-fueled residential furnaces emit up to 50 percent fewer greenhouse gases than electric furnaces and 12 percent fewer than fuel oil furnaces.
5. High-efficiency propane clothes dryers produce up to 42 percent fewer greenhouse gas emissions compared to electric dryers.



With the heavy push for "electrify everything" movement and the FUN FACTS above, you may want to rethink what appliances you use in your home.