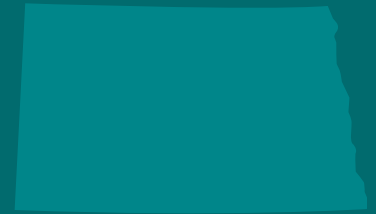


RESIDENTIAL ENERGY COST ANALYSIS FOR GREATER NORTH DAKOTA REGION



Based on data from the U.S. Energy Information Administration (EIA), prices in the broader West North Central region follow some patterns with North Dakota averages, offering an indication of expected household energy cost trends across the Region.

In 2025, the average EIA-reported residential prices in North Dakota were:

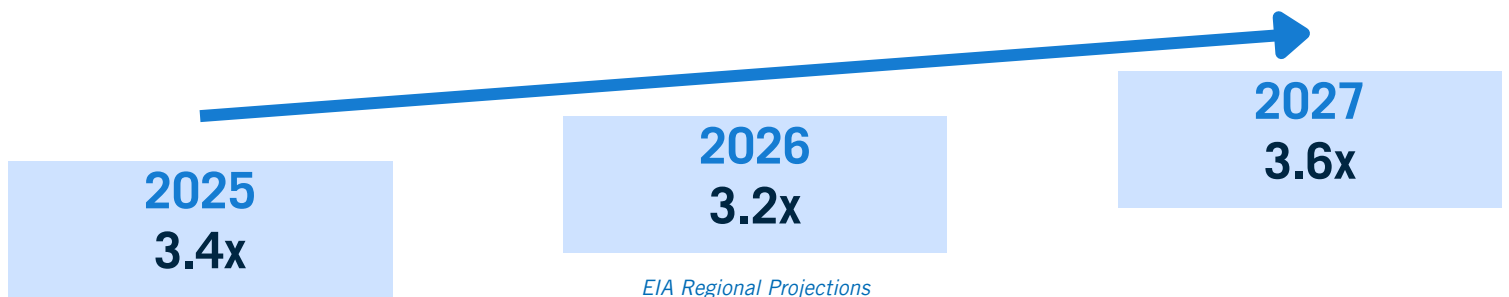
Natural Gas

\$9.50 per Mcf

Electricity

11.81 Cents per kWh

On an energy-equivalent basis, this means electricity costs about **3.8 times more** than natural gas (with a regional average of about 3.4x in 2025). Based on the current EIA Short-Term Energy Outlook, this ratio is expected to grow:



Seasonal patterns make natural gas even more attractive for space heating. While the average electricity to gas price ratio is projected to be around 3.7x in 2026, it may drop to about 1.4x in summer and rise to about 4.7x in the winter.

Using the methodology outlined in the AGA Building for Efficiency report, estimated heating costs were calculated for typical new single-family homes in the Greater North Dakota area. **Households using natural gas could see annual cost savings between \$691 and \$1,116 compared with using an all-electric, air-source heat pump.**

Regarding emissions, the 95% AFUE gas home, with some share of RNG, can have matching performance with an Energy Star ASHP home. Homes with a cold climate ASHP can reduce emissions but at significantly higher lifecycle costs.

North Dakota First-Year Cost Analysis

