

RESIDENTIAL ENERGY COST ANALYSIS FOR GREATER VIRGINIA REGION

Based on data from the U.S. Energy Information Administration (EIA), prices in the broader South Atlantic region follow patterns comparable to those in Virginia, offering an indication of expected household energy cost trends across the Region. When analyzing the cost of energy for Virginia households, state prices and use are only available through January 2026. Modeling future energy prices is available only from the EIA for the South Atlantic Census Region.

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

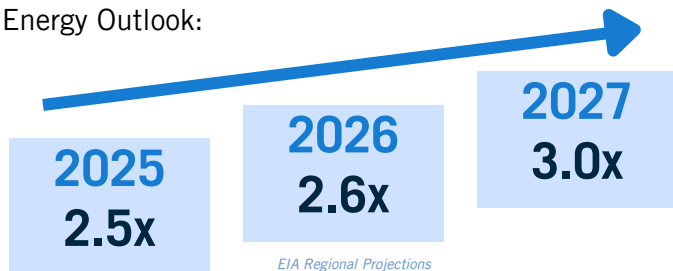
Natural Gas

\$16.79 per Mcf

Electricity

15.21 Cents per kWh

Electricity costs **2.8 times** as much as natural gas on an energy-equivalent basis in Virginia. The South Atlantic regional average is 2.5x in 2025 and is expected to widen, based on [AGA analysis](#) of the EIA Short-Term Energy Outlook:



Month	Natural Gas Price \$/Mcf	Electricity Price cents/kWh	Natural Gas Price \$/MMBtu	Electricity Price \$/MMBtu	Electricity to Gas Ratio
January-25	\$13.28	\$13.94	\$12.81	\$40.86	3.2x
February-25	\$14.56	\$14.22	\$14.04	\$41.68	3x
March-25	\$17.49	\$14.89	\$16.87	\$43.64	2.6x
April-25	\$21.46	\$15.28	\$20.69	\$44.78	2.2x
May-25	\$25.14	\$15.26	\$24.24	\$44.72	1.8x
June-25	\$26.11	\$15.23	\$25.18	\$44.64	1.8x
July-25	\$28.44	\$15.78	\$27.43	\$46.25	1.7x
August-25	\$27.07	\$15.83	\$26.10	\$46.40	1.8x
September-25	\$26.14	\$16.62	\$25.21	\$48.71	1.9x
October-25	\$20.85	\$16.36	\$20.11	\$47.95	2.4x
November-25	\$16.58	\$15.94	\$15.99	\$46.72	2.9x
December-25	\$15.45	\$15.27	\$14.90	\$44.75	3x
January-26	\$16.34	\$15.87	\$15.76	\$46.51	3x
February-26	\$16.66	\$15.96	\$16.07	\$46.77	2.9x
March-26	\$18.75	\$17.05	\$18.08	\$49.97	2.8x

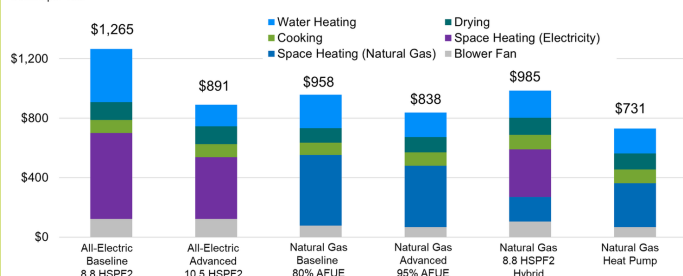
Average Energy Costs During Winter Storm Fern

Seasonal patterns make natural gas even more attractive for space heating, especially when combined with other natural gas appliances. While the average electricity-to-gas price ratio in the state is around 2.8x in 2024, it may drop to about 1.8x in summer and rise to about 3.2x in the winter months.

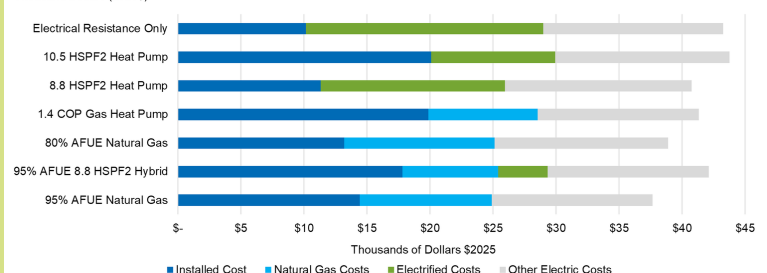
Virginia First-Year and Lifecycle Cost Analysis for New Single-Family Homes

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 Virginia area. A family living in a new single-family home with natural gas could save \$308 per year compared to an all-electric, air-source heat pump. Cold climate models can perform better, but at higher installation costs that may exceed savings. **Over the life of the equipment, potential savings could range from \$1,000 to \$5,000 over the next 15 years.**

Virginia New Single-Family Home Annual Energy Costs for Gas or Electric Uses
Dollars per Year



Virginia 15-Year New Single-Family Home Lifecycle Costs, All Appliances
Thousands of Dollars (2025\$)



Source: AGA Modeling