

RESILIENT BUILDINGS

— GROUP —

Superior energy performance

Energy Usage Report



Abenaki Springs Apartments

Walpole, New Hampshire

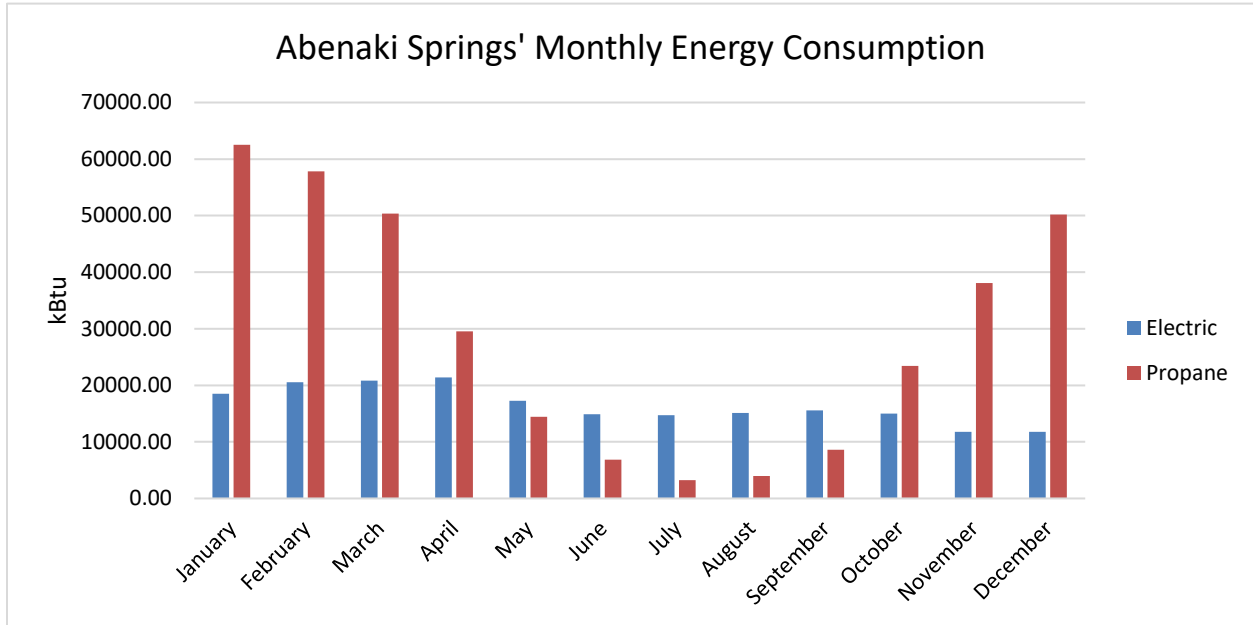
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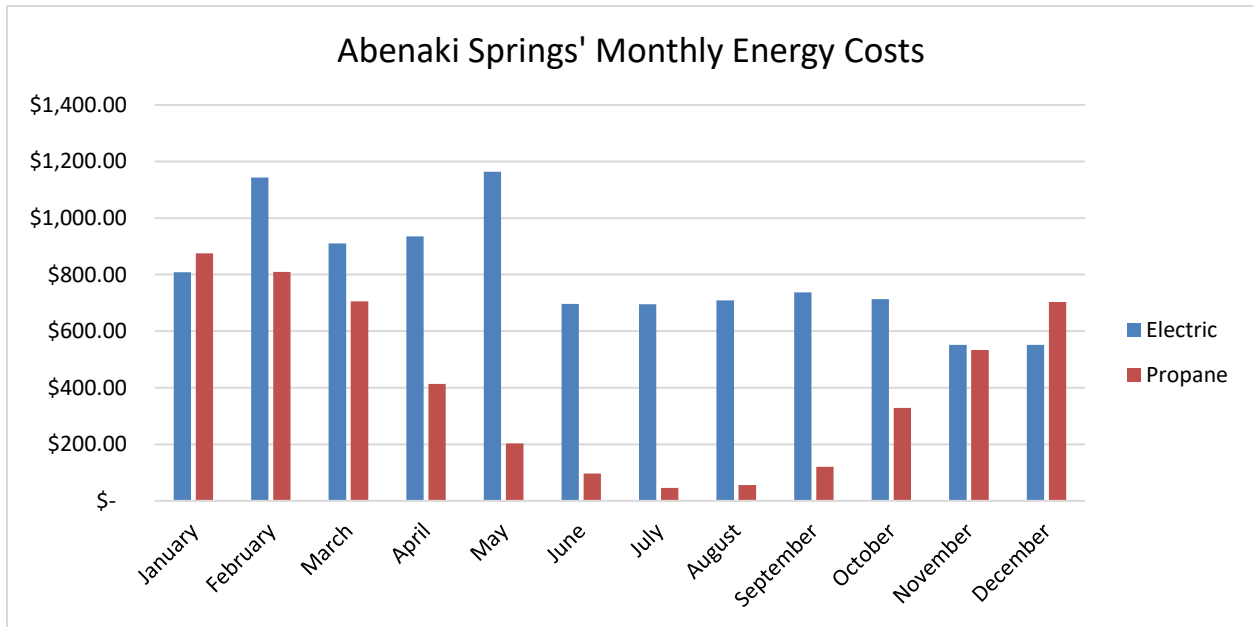


New Hampshire Housing
Bringing You Home

Abenaki Springs Apartment's Preliminary Energy & Cost Analysis



Using past utility bills for the apartment, we calculated an average yearly consumption of 3,877 gallons of propane and 57,838 kWh of electricity, which translates to a total of 546,348 kBtus of energy consumed per year on average.*



The apartments' average energy costs are \$4,888 for propane and \$9,810 for electricity, which equates to a combined average of \$14,699 per year.*

*Based on two years of electric bills with a 200 kWh/month per apartment assumption and one year of propane bills. Analysis includes one building with 21 apartments and a total square footage of 22,585 ft².

Preliminary Building Benchmarking

- Examining historical energy consumption of a building is known as Building Benchmarking. Building Benchmarking rates your building’s performance on two metrics: **Energy Use Intensity (EUI)** and **Cost Use Intensity (CUI)**.
- EUI is the annual energy use in BTUs (British Thermal Units), usually displayed as kBtus to signify thousands of BTUs per square foot of conditioned space (kBtu/ft²/YR). **Site EUI** only accounts for the energy consumed on the building site. **Source EUI** incorporates both the building’s energy consumption and the efficiency losses associated with the generation and distribution of electricity. **CUI** displays the annual energy cost per square foot in the building per year (\$/ft²/YR).
 - Our calculated **EUI and CUI for the Abenaki Springs Apartments:**
 - **Source EUI** 41.66 kBtu/ft²/YR
 - **Site EUI** 24.2 kBtu/ft²/YR
 - **EUI incorporating Renewables** 24.2 kBtu/ft²/YR
 - **CUI** 0.65 \$/ft²/YR



Technical Reference

Primary Function	Further Breakdown (where needed)	Source EUI (kBtu/ft ²)	Site EUI (kBtu/ft ²)	Reference Data Source - Peer Group Comparison
Lodging/Residential	Multifamily Housing	127.9	78.8	Fannie Mae Industry Survey

The national average source Energy Use Intensity for multifamily housing is 127.9 kBtu/ft². The average site Energy Use Intensity for multifamily housing is 78.8 kBtu/ft².

The energy performance of the Abenaki Springs Apartments may have the potential to be improved which will both reduce the building’s energy costs and its carbon footprint.

New Hampshire Multifamily Site EUI Examples

