

Estimated Heating Cost Comparisons

Updated March, 2007

For Southern Ohio

The estimates below help compare different fuels and different heating systems at relatively current rates.

The estimates are for an average home near 1800 square feet in size, in Southern Ohio.

It is important to realize that every home will cost a different amount to heat each winter.

Many typical homes will fall in an "average heating cost" range, but your home may be different.

The estimates are based on the costs per fuel listed, which were current on the date noted above.

All fuel costs change frequently and the costs shown below may not be accurate for any future date.

The actual cost to heat your home in any given winter will depend on the weather, your living habits, your home's insulation and air leakage, the condition of your heating equipment, sun and wind exposure, the home's design and other variables.

Southern Ohio, 2006 - 2007 Winter, Estimated Heating Cost Comparisons								
Fuel	Type heating system and efficiency	Current Cost per unit of fuel	Cost per million BTU	Any age home, no insulation, high air leakage	Old home, insulated, noticeable air leakage	Average, 30 to 60 yr old home, medium air leakage	Newer, sealed, affordable home built since 1970	Energy Star new home
Heating costs based on these Million BTU estimates per winter, for homes defined above →				163	81	63	57	43
LP Gas (Propane)	65% furnace	\$2.00/gallon	\$34.19	\$5,573	\$2,769	\$2,154	\$1,949	\$1,470
	80% furnace	\$2.00/gallon	\$27.78	\$4,528	\$2,250	\$1,750	\$1,583	\$1,194
	90% furnace	\$2.00/gallon	\$24.69	\$4,025	\$2,000	\$1,556	\$1,407	\$1,062
Fuel Oil	60% furnace	\$2.20/gallon	\$26.19	\$4,269	\$2,121	\$1,650	\$1,493	\$1,126
	70% furnace	\$2.20/gallon	\$22.45	\$3,659	\$1,818	\$1,414	\$1,280	\$965
	85% furnace	\$2.20/gallon	\$18.49	\$3,013	\$1,497	\$1,165	\$1,054	\$795
Natural Gas	60% furnace	\$1.10/CCF (therm)	\$18.33	\$2,988	\$1,485	\$1,155	\$1,045	\$788
	80% furnace	\$1.10/CCF (therm)	\$13.75	\$2,241	\$1,114	\$866	\$784	\$591
	90% furnace	\$1.10/CCF (therm)	\$12.22	\$1,992	\$990	\$770	\$697	\$526
Electric: Duke Energy in Ohio	10 -15 yr heat pump	\$0.062/kWh	\$10.09	\$1,645	\$817	\$636	\$575	\$434
	10 SEER heat pump	\$0.062/kWh	\$9.08	\$1,481	\$736	\$572	\$518	\$391
	14 SEER heat pump	\$0.062/kWh	\$7.57	\$1,234	\$613	\$477	\$431	\$325
	Geothermal Heat pump	\$0.062/kWh	\$5.68	\$925	\$460	\$358	\$324	\$244

Note: Fuel costs for Natural Gas and Electricity assume heating usage is all in the lowest rate step.

Due to the number of factors beyond Duke Energy's control, Duke Energy in no way represents or warrants that you will achieve the reduction in your home heating bills as set forth in these estimates. Duke Energy disclaims any obligation to update or revise the estimates and expressly disclaims any and all liability for any damages of any nature (including direct, indirect, incidental and consequential) arising in connection with the use of the estimates.