

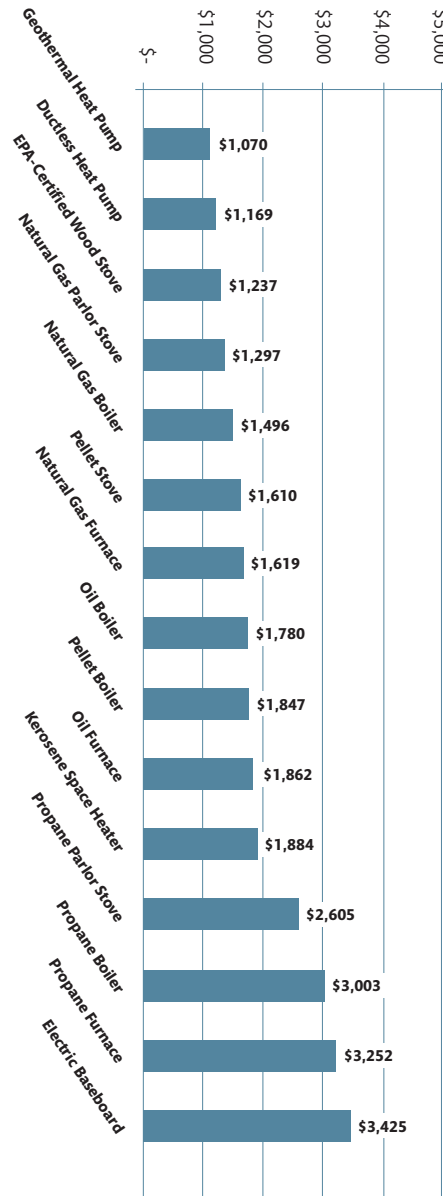
CHOOSING A HOME HEATING SYSTEM

Homeowners have many options for home heating systems and the benefits of making the right choices can last for decades. Choices include fuel type, technology, efficiency and distribution system. Other considerations include aesthetics, maintenance, and non-heating functions. This brochure is intended to give homeowners information on the costs and features of a variety of popular whole-house heating systems. Having a heating professional come to your home will give you more precise information, tailored to your home.

LEARN MORE

Visit efficiencymaine.com to try our Cost Of Home Heating Calculator, find Residential Registered Vendors, and learn more about rebates and financing options.

Chart provides a comparison of annual heating costs for the whole house using common system types and fuels. Chart uses recent pricing, typical efficiency values, and a home heating load equivalent to 820 gallons of oil. Equipment, installation and maintenance costs not included. Comparison chart updated 3/27/2018. See inside or visit efficiencymaine.com for more details.



Typical Annual Home Heating Costs



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WHOLE HOUSE HEATING SYSTEM COMPARISONS

There are many considerations when choosing a new heating system. The following table captures some of the primary ones.

	Natural Gas Boiler/Furnace	Ductless Heat Pump (6-8 indoor units)	Oil Boiler/Furnace	Ducted Air Source Heat Pump	Wood Pellet Boiler/Furnace	Electric Baseboard	Propane Boiler/Furnace	Geothermal Heat Pump
Equipment and Installation cost	\$5,000 – \$10,000	\$15,000 – \$20,000	\$5,000 – \$10,000	\$20,000 – \$25,000	\$15,000 – \$20,000	\$2,000	\$5,000 – \$10,000	\$35,000 – \$60,000
Energy cost per year	\$1,600 – \$2,200	\$1,300 – \$1,600	\$2,000 – \$2,500	\$1,300 – \$1,600	\$2,000 – \$2,500	\$3,800 – \$4,600	\$3,300 – \$4,400	\$1,200 – \$1,400
Average 15-year installation, equipment, and energy cost	\$36,000	\$39,250	\$41,250	\$44,250	\$51,250	\$65,000	\$65,250	\$67,000
Monthly maintenance	furnace filter change	filter rinse	furnace filter change	furnace filter change/rinse	ash removal	none	furnace filter change	furnace filter change/rinse
Annual maintenance	annual cleaning	annual cleaning	annual cleaning	annual cleaning	annual cleaning	none	annual cleaning	annual cleaning
Visible components (aesthetics)	baseboard, vents or nothing (radiant floor)	wall/floor units or vents plus outdoor unit	baseboard, vents or nothing (radiant floor)	vents and outdoor unit	baseboard, vents or nothing (radiant floor)	baseboard or nothing (radiant floor)	baseboard, vents or nothing (radiant floor)	vents or nothing (radiant floor)
Air conditioning	no	yes	no	yes	no	no	no	yes
Dehumidification	no	yes	no	yes	no	no	no	yes
Air filtering	furnace only	yes	furnace only	yes	furnace only	no	furnace only	yes
In-Home Combustion	yes	no	yes	no	yes	no	yes	no
Fuel ordering or storage	no	no	yes	no	yes	no	yes	no
Fan only cooling	no	yes	no	no	no	no	no	no
Carbon emissions tons per year	8	4	11	4	0	12	10	3

Notes: Distribution system not included in boiler/furnace installation costs. Energy costs assumed constant. Annual maintenance costs not included. Actual costs may vary. Assumes single, whole-house heating system. Combinations are possible, but not shown. Carbon emissions based on ISO-NE marginal emission rates and EIA emission factors.

as of 1/26/18

