

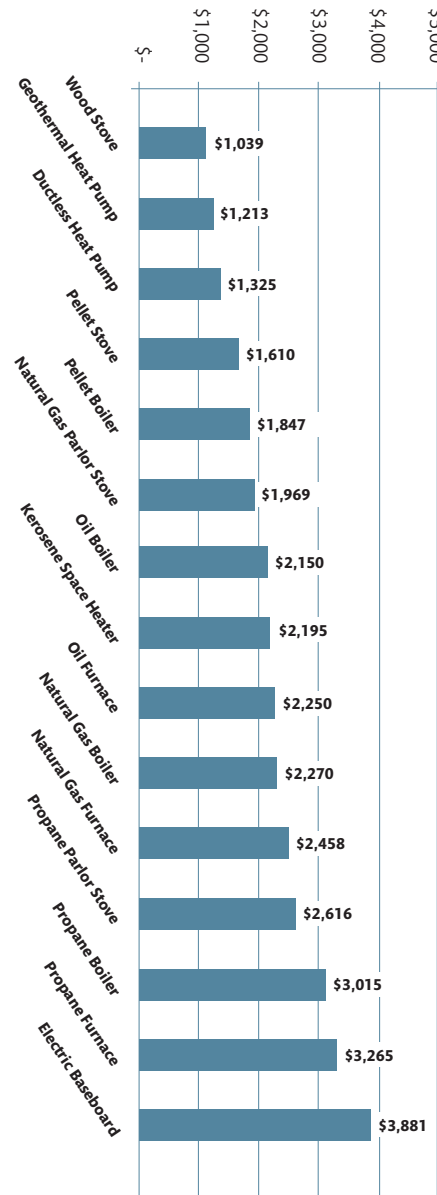
## CHOOSING A HOME HEATING SYSTEM

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](http://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 2/6/20. See inside or visit [efficiencymaine.com](http://efficiencymaine.com) for more details.



Typical Annual Home Heating Costs



Efficiency Maine

# Quick Guide To Home Heating



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866-376-2463

As of 2/1/2020



# 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             |
|---|---|---|---|-----------------------------|---|--------------------------------------|---|----------------------------------|
| <b>Equipment and Installation cost</b>                          | \$5,000 – \$10,000                          | \$15,000 – \$20,000                         | \$5,000 – \$10,000                          | \$20,000 – \$25,000         | \$15,000 – \$20,000                         | \$2,000 – \$2,500                    | \$5,000 – \$10,000                          | \$35,000 – \$60,000              |
| <b>Energy cost per year</b>                                     | \$1,600 – \$2,200                           | \$1,200 – \$1,600                           | \$2,000 – \$2,500                           | \$1,300 – \$1,600           | \$1,800 – \$2,500                           | \$3,600 – \$4,600                    | \$3,300 – \$4,500                           | \$1,100 – \$1,400                |
| <b>Average 15-year installation, equipment, and energy cost</b> | \$36,000                                    | \$38,500                                    | \$41,250                                    | \$44,250                    | \$49,750                                    | \$63,750                             | \$66,000                                    | \$66,250                         |
| <b>Monthly maintenance</b>                                      | furnace filter change                       | filter rinse                                | furnace filter change                       | furnace filter change/rinse | ash removal                                 | none                                 | furnace filter change                       | furnace filter change/rinse      |
| <b>Annual maintenance</b>                                       | annual cleaning                             | annual cleaning                             | annual cleaning                             | annual cleaning             | annual cleaning                             | none                                 | annual cleaning                             | annual cleaning                  |
| <b>Visible components (aesthetics)</b>                          | 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) |
| <b>Air conditioning</b>   | no  | yes   | no  | yes                         | no  | no                                   | no  | yes                              |
| <b>Dehumidification</b>   | no  | yes   | no  | yes                         | no  | no                                   | no  | yes                              |
| <b>Air filtering</b>  | furnace only                                | yes   | furnace only                                | yes                         | furnace only                                | no                                   | furnace only                                | yes                              |
| <b>In-Home Combustion</b>                                       | yes   | no  | yes   | no                          | yes   | no                                   | yes   | no                               |
| <b>Fuel ordering or storage</b>                                 | no  | no  | yes   | no                          | yes   | no                                   | yes   | no                               |
| <b>Fan only cooling</b>   | no  | yes   | no  | no                          | no  | no                                   | no  | no                               |
| <b>Carbon emissions tons per year</b>                           | 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 7/16/2019

