

INTRODUCTION

Over 100,000 heat pumps have been installed in Maine homes and businesses and they are now more common than oil heat in new homes. They are the most popular heating system across all of Efficiency Maine's rebates because they offer highly efficient heating, air conditioning, and dehumidification. Efficiency Maine offers rebates for high-efficiency heat pumps for residential, low-income, and commercial customers.

Heat pumps consist of an outdoor unit connected to one or more indoor units by a line set, which carries heat between the two. Heat pumps are able to provide efficient heating in cold climates, even at outdoor temperatures as low as -22°F.

In addition to heating during the winter, heat pumps can also air condition and dehumidify during the summer.

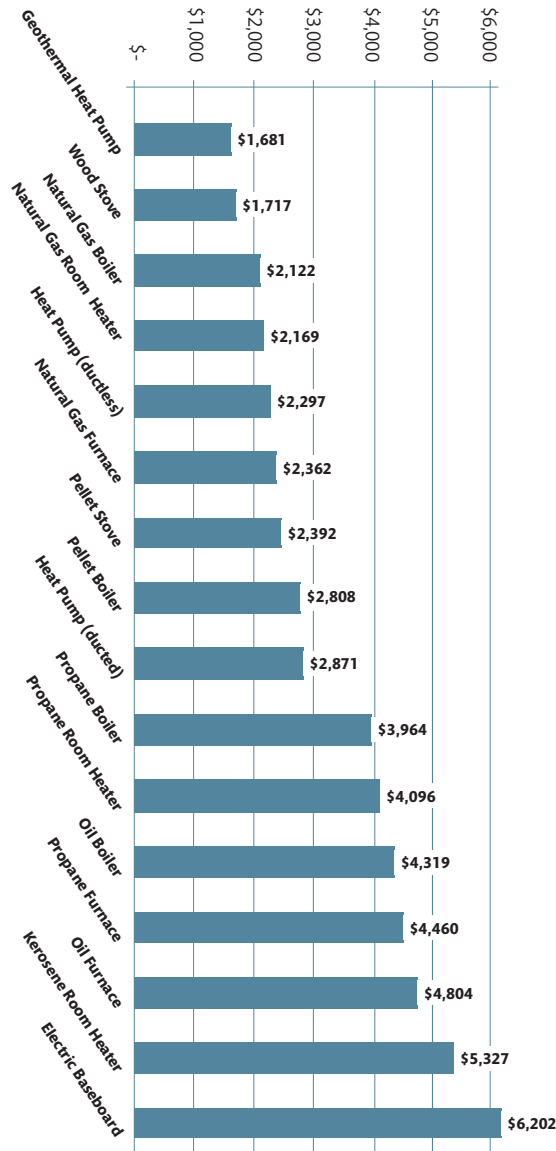
TO LEARN MORE ABOUT HEAT PUMPS, VISIT [EFFICIENCYMAINE.COM](https://efficiencymaine.com) FOR INFORMATION ON:

- Rebates
- Financing
- How They Work
- Case Studies
- Installation Considerations
- User Tips

HEAT PUMP BENEFITS:

1. Save money
2. Increase year-round comfort
 - Heat
 - AC
 - Dehumidification
 - Air filtration
 - Indoor air circulation

Chart provides a comparison of annual heating costs for common system types and fuels. Chart uses recent pricing, typical efficiency values, and a home heating load equivalent to 820 gallons of oil. Comparison chart values updated 1/5/2023. See inside or visit efficiencymaine.com for more details and information.



Efficiency Maine

Introduction to Heat Pumps

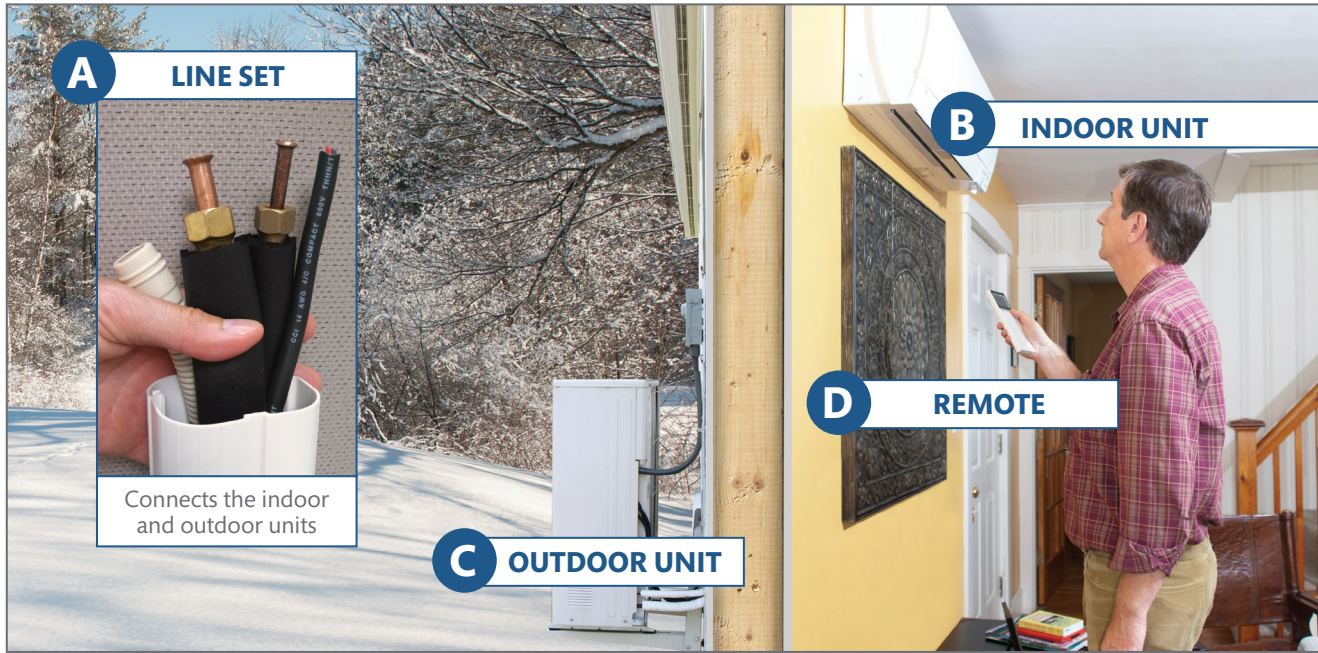


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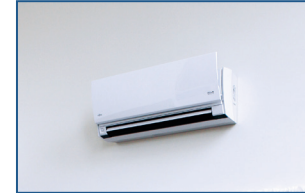
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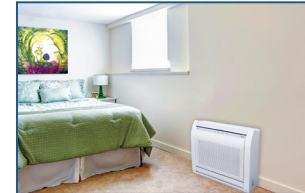
HEAT PUMP COMPONENTS



THERE ARE SEVERAL OPTIONS FOR INDOOR UNITS.



Wall Unit



Floor Unit



Ceiling Cassette



Mini Ducts

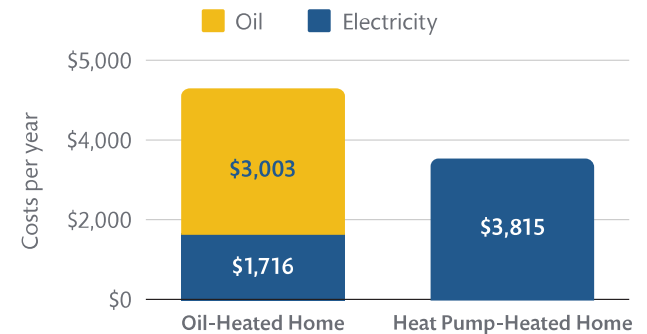
FINANCIAL EXAMPLE

	LOW INCOME	MODERATE INCOME	ANY INCOME
INSTALLED COST (3 INDOOR UNITS)	\$13,800	\$13,800	\$13,800
REBATE	\$8,000	\$6,000	\$4,000
COST BEFORE TAX CREDIT	\$5,800	\$7,800	\$9,800
FEDERAL TAX CREDIT (30%)*	\$1,740	\$2,000	\$2,000
FINAL COST	\$4,060	\$5,800	\$7,800
ANNUAL SAVINGS**	\$905	\$905	\$905
PAYBACK PERIOD (YEARS)	4.5	6.4	8.6

*Visit ENERGY STAR for tax credit details.

Save \$905 a Year** with Heat Pumps

This example shows how converting a home from oil heat to heat pumps will reduce oil costs by more than it will increase electricity costs.



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**Your results may differ. Source: Efficiency Maine Compare Home Heating Costs as of 9/7/2023. Oil at \$3.54/gallon, 87% combustion efficiency, and 90% distribution efficiency. Electricity at \$0.26/kWh without a heat pump, and at \$0.23/kWh with a heat pump. Heat pump COP is 2.7 and has 100% distribution efficiency.