

Efficiency Maine

Residential Programs and Resources

Efficiency Maine Introduction

- Runs the State's energy efficiency and renewable energy programs
- Provides rebates, financing, trusted information and on-line directories of vendors
- Funded by electric and natural gas ratepayers, Regional Greenhouse Gas Initiative, ISO New England Grid, grants, and other sources
- Board appointed by the governor and confirmed by the legislature

Program and Rebate Overview

Home Energy Savings Program (HESP)

#	Upgrade	Cap
1	Energy Assessment with 6 hours of air sealing	\$400
2	Insulation	\$500 per zone, \$1,500 total
3	Wood stove/pellet stove	\$300
4	Ductless heat pump	\$500 to \$750
5	Furnace/boiler	\$300
6	Geothermal heat pump	\$3,000
7	Biomass boiler	\$3,000

Home Energy Savings Program - Results

Fiscal Year (FY)	\$ Rebates	# Homes
FY 14	\$ 3,956,550	4,673
FY 15	\$ 8,014,856	10,166
FY 16	\$ 5,939,042	8,080
FY 17	\$ 6,737,775	8,414
FY 18 (2 months)	\$ 2,363,438	2,458

HESP Rebates

July 1 - August 31 (1st 2 months of fiscal year (FY))

HESP Rebate Type	FY15	FY16	FY17	FY18
MiniSplit HP	1,488	998	880	1,146
Air Sealing	270	218	148	144
Boiler	84	91	108	105
Attic Insulation	121	126	91	97
Basement Insulation	110	68	51	44
Wall Insulation	23	20	37	27
Furnace	8	24	29	26
Pellet Stove	6	11	9	3
Geothermal HP	12	13	8	3
Pellet Boiler	61	10	6	2
Wood Stove	2	5	3	0
Total Measures Installed	2,185	1,585	1,370	2,131

HESP: Natural Gas Incentives

Customers of Bangor Natural Gas, Maine Natural Gas, and Unitil

	Efficiency Maine Rebate		Rebates for Natural Gas Utility Customers		Combined Incentive	Minimum Project Cost Before Incentive
Energy Audit with 6 hours of air sealing	\$400	+		=	\$400	\$600
Natural gas boiler	\$300	+	\$700	=	\$1,000	\$2,000
Natural gas furnace	\$300	+		=	\$300	\$2,000
Insulation	\$500	+	\$900	=	\$1,400	\$2,400
Next Step Bonus (measures beyond air sealing and energy assessment)	\$100	+		=	\$100	N/A
Natural gas water heaters			\$300	=	\$300	\$600

Summit Natural Gas Rebates

- \$560 rebate for audit and 6 hour of air sealing
PLUS
- Rebates up to \$1,500 for qualifying gas appliances
 - Boilers 75% back, up to \$1,500
 - Furnaces 75% back, up to \$1,125
 - Water heater 75% back, up to \$560
 - Stove, oven, dryer, burner 50% back, up to \$375
- Summit customers are eligible for these incentives in addition to rebates offered by Efficiency Maine

Heat Pump Water Heater Rebates

- \$750 rebate
- Energy Star®
- Any installer (including self)



Energy Star® Appliance Rebates



\$50 Clothes
Washer



\$50 Room Air
Purifier

LED Lighting Discounts

- Reduced LED prices in stores
- LEDs as low as \$0.50/bulb (60W equivalent)*
- Best deals posted on Efficiency Maine website

*Source: <https://www.efficiencymaine.com/docs/EM-lighting-deals.pdf> September 12, 2017

Energy Loans

- 4.99-5.99% APR
- No closing or prepayment fees
- Up to 10 year term loans
- 1-4 unit properties
- Must include any HESP-qualified improvement that includes an energy assessment and more than 6 hours of air sealing
- Up to \$15,000 unsecured
- \$10,000 loan = \$106/month (10yr, 4.99% APR)

Efficiency Maine Tools and Resources

Home Efficiency Calculator

What is the square footage of your home?

Fuel Type Annual Usage

Fuel Oil (#2) Gallons

Electricity Dollars

Natural Gas ccf

Propane Gallons

Wood Cords


Wood Pellets Tons

Kerosene Gallons

☐ Have your blower door test results (CFM50 score) from your home energy audit? Check this box to understand how changes might affect your consumption.

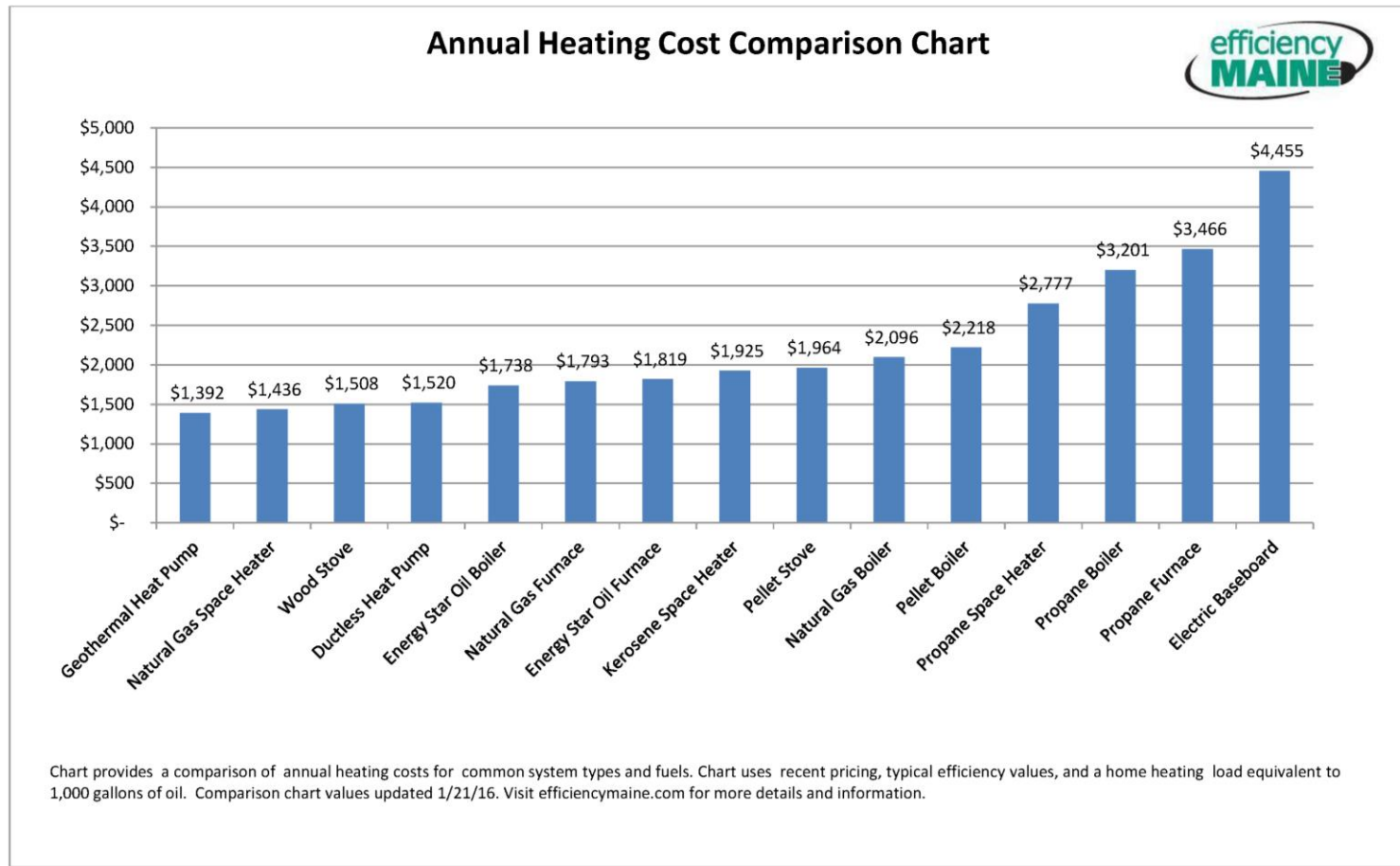
Your house uses 42% more energy than a typical weatherized home.

[Click here to find a Participating Energy Advisor to help you maximize your savings and explore project financing options.](#)



A circular gauge labeled 'HOME ENERGY USAGE' with a needle pointing to the right. The gauge is divided into three colored sections: green on the left labeled 'MORE EFFICIENT', yellow in the middle, and red on the right labeled 'LESS EFFICIENT'. The needle is positioned in the red section, indicating high energy usage.

Space Heating Cost Calculator



Source: <http://www.efficiencymaine.com/at-home/home-energy-savings-program/heating-cost-comparison/>

Water Heating Cost Calculator

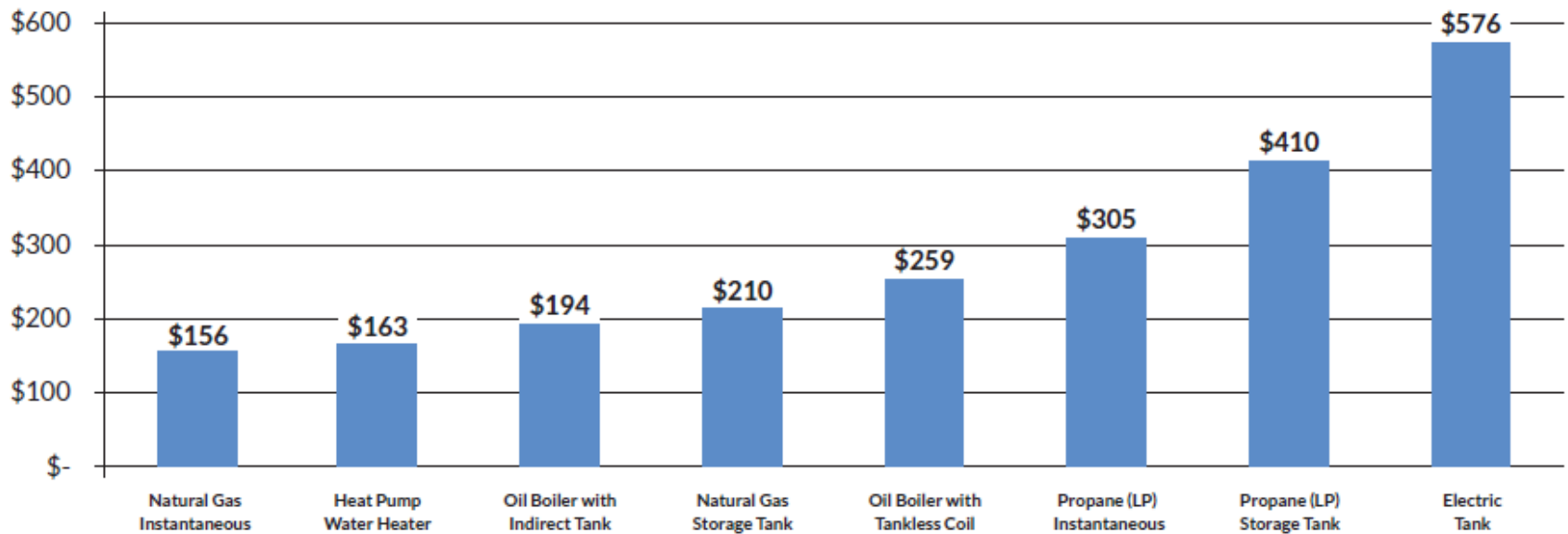


Chart assumes typical efficiency values and 50 gallons of hot water usage per day. Energy prices updated 8/28/17.

Virtual Tour







Electricity Monitor

- Borrow from most libraries or interlibrary loan around the state
- Monitor any 110V device
- Simple to use
- Find “phantom loads”



Lighting Information

- Technical information
- Best prices

	Incandescent	Halogen	CFL	LED
				
Annual cost of operation/ bulb*	\$7.01	\$5.05	\$1.75	\$1.19
Lumens per watt	15	25	60	72
Percent more efficient than incandescent	–	28%	75%	83%
Rated bulb life*	1.4 years (1,000 hours)	4.2 years (3,000 hours)	14 years (10,000 hours)	34 years (25,000 hours)
Instant on	yes	yes	most	yes
Dimmable	yes	yes	some**	most**
Cold tolerant	yes	yes	somewhat	yes
Contains mercury	no	no	yes more details	no
Recyclable	no	no	yes more details	no

How Much Can You Save?

Use this savings calculator to see how much you can save each year by replacing standard incandescent bulbs with energy-efficient bulbs.

<input type="text" value="60"/>	Choose incandescent light bulb wattage
<input type="text" value="1"/>	Enter number of bulbs
<input type="text" value="2"/>	Enter average hours per day that light bulbs are on
<input type="button" value="Calculate"/>	

Getting Started

1. Find Residential Vendors
2. Get recommendations and estimates
3. Complete your upgrades

Find a Registered Vendor

- Find a certified, insured vendor in your area
- Search by service offered
 - Energy Advisors
 - Air Sealing
 - Insulation
 - Heat Pumps
 - Heat Pump Water Heaters
 - Furnaces and Boilers
 - Pellets, Wood, Biomass
 - Solar Installers
- Suggested questions to ask when selecting a vendor
- Suggested questions to ask when checking references
- Attorney General's contract template

Use this tool to find an Energy Advisor, Contractor, or Renewable Energy Installer near you.

Questions to ask a Registered Vendor

Search and Sort Options
Start by entering your ZIP Code and a search radius.

ZIP Code: 04330-6 Radius: 100 miles

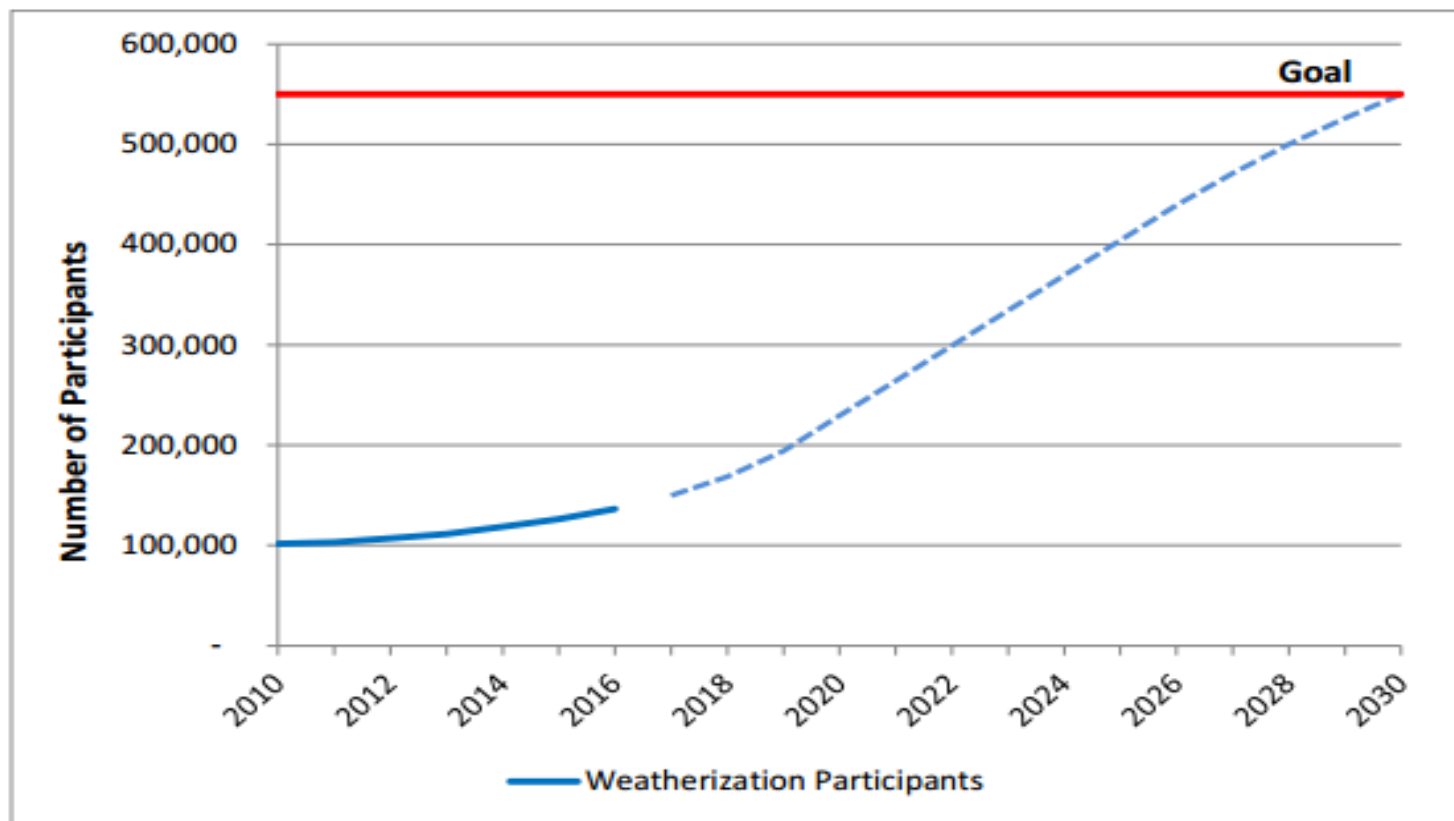
Sort by: distance

What services do you need?
Hover over service icons below for more information on services and qualifications.

- ☒ All Services
- ☐ Energy Advisor
- ☐ Air Sealing & Assessment
- ☐ Insulation
- ☐ Heat Pumps
- ☐ Gas
- ☐ Oil
- ☐ Pellet Boilers
- ☐ Pellet/Wood Stoves
- ☐ Geothermal
- ☐ Heat Pump Water Heaters
- ☐ Solar

USE OUR SEARCH FEATURE TO THE LEFT TO FIND A VENDOR NEAR YOU.

Looking Ahead



*Cumulative Number of Participants

Getting There

- Continued awareness and education campaigns
- Expansion of incentives and financing
- Growth of existing and new contractor companies
- Availability of skill training for employees
- Access to rebates and loans
- Continue seeking most cost-effective opportunities and technologies to lower energy use and cost

Collective Purchase Resources

- Recent Collective Purchase Initiatives
 - Weatherize Rockland
 - EnergySmart Bangor
- Resources
 - Collective Purchase Toolkit
 - Sample RFP
 - <https://www.efficiencymaine.com/at-home/collective-purchase/>

866-ES-MAINE
efficiencymaine.com