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1 Unless otherwise noted, all values are retrieved from U.S. Energy Information Administration: State Energy Data System (2021) with graphics, visuals, and tables developed by the Maine Governor’s Energy Office.
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Maine Governor’s Energy Office

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All Sectors
Generation and Capacity
Electricity

Electricity generation by energy source, Maine (2020)²

2 Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, Maine (2019)

Total electricity generation, Maine (2019)

10,490,563

Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, New England (2020)\(^4\)

96,808,511

\(^4\) Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, US (2020)\(^5\)

Total electricity generation, US (2020)

4,007,018,594 MWh

\(^5\) Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Renewable electricity generation, New England (2020)$^6$

Renewable electricity generation, New England (2020)

<table>
<thead>
<tr>
<th>State</th>
<th>Non-Renewable</th>
<th>Renewables</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA</td>
<td>84,351K</td>
<td>1,098,759K</td>
</tr>
<tr>
<td>CT</td>
<td>48,198K</td>
<td>946,597K</td>
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<tr>
<td>NH</td>
<td>84,195K</td>
<td>481,305K</td>
</tr>
<tr>
<td>ME</td>
<td>221,650K</td>
<td>239,167K</td>
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<tr>
<td>RI</td>
<td>5,115K</td>
<td>195,628K</td>
</tr>
<tr>
<td>VT</td>
<td>51,595K</td>
<td>108,978K</td>
</tr>
</tbody>
</table>

Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, Massachusetts (2020)\textsuperscript{7}

\textsuperscript{7} Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, Connecticut (2020)\(^8\)

\(^8\) Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, New Hampshire (2020)\(^9\)

\(^9\) Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, Maine (2020)\textsuperscript{10}

\textsuperscript{10} Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, Rhode Island (2020)\textsuperscript{11}

\textsuperscript{11} Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity generation by energy source, Vermont (2020)\(^{12}\)

\(^{12}\) Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity capacity by energy source, Maine (2020)

- Natural Gas: 1,755.2 MW
- Wind: 997.2 MW
- Petroleum: 833.0 MW
- Hydro: 709.2 MW
- Wood: 590.5 MW
- Other: 65.1 MW
- Solar: 64.9 MW
- Other Biomass: 49.0 MW

Total electricity capacity, Maine (2020): 5,114 MW

13 Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity capacity by energy source, New England (2020)\textsuperscript{14}

\begin{figure}
\centering
\includegraphics[width=\textwidth]{electricity_capacity_chart}
\caption{Electricity capacity by energy source, New England (2020)}
\end{figure}

\textit{Electricity capacity by energy source, New England (2020)}

\begin{itemize}
\item Natural Gas: 20,003.1 MW
\item Petroleum: 6,074.7 MW
\item Nuclear: 3,404.9 MW
\item Hydro: 1,940.7 MW
\item Pumped Storage: 1,799.0 MW
\item Wind: 1,546.4 MW
\item Solar: 1,517.9 MW
\item Wood: 977.3 MW
\item Coal: 959.2 MW
\item Other Biomass: 688.6 MW
\item Other: 148.5 MW
\end{itemize}

Total electricity capacity, New England (2020): 39,060 MW

\textsuperscript{14} Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Electricity capacity by energy source, US (2020)\textsuperscript{15}

Total electricity capacity, US (2020)

1,212,240

\textsuperscript{15} Data retrieved from U.S. Energy Information Administration: Electric Power Annual (2021) with visual developed by the Maine Governor’s Energy Office.
Wind electricity total net generation, New England
Solar thermal and photovoltaic electricity total net generation, New England
Hydroelectricity net generation in the electric power sector, New England

Hydroelectricity net generation in the electric power sector, New England

- State: CT, MA, ME, NH, RI, VT
- Units: GWh, kWh per capita
- Comparison: 2010 vs 2019
Wood and waste energy consumed by the electric power sector, New England
Net interstate flow of electricity and associated losses, New England

Net interstate flow of electricity and associated losses (negative indicates flow out of state)
Prices
Energy
Total energy average price

![Chart of Total energy average price](image)

- **Total energy average price**
- **Real dollars per million Btu**
- **Year**

- **ME**
- **New England Average**
- **US**

![Chart of Total energy average price](image)

- **Nominal dollars per million Btu**
- **Year**

- **ME**
- **New England Average**
- **US**
Natural gas average price, all sectors

Graph showing the natural gas average price over the years, comparing Maine (ME), New England Average, and US prices.
All petroleum products average price, all sectors

1. Real dollars per million Btu
2. Nominal dollars per million Btu

Year: 1970 to 2020

- ME
- New England Average
- US
Electricity

Electricity average price, all sectors

Electricity average price, all sectors

Real dollars per million Btu

Year

Nominal dollars per million Btu

Year
Electricity average price, all sectors (2019)
Expenditures
Energy

Expenditures by fuel, Maine (2019)

Fuel

- Coal: 8.5
- Kerosene: 27.6
- Propane: 340.1
- Natural Gas: 402.0
- Distillate Fuel Oil: 1,426.6
- Electricity: 1,647.0
- Motor Gasoline: 1,666.3

Real million dollars
Total energy expenditures by sector, Maine

**Total energy expenditures by sector, Maine**

- Commercial
- Industrial
- Residential
- Transportation

Year


Real million dollars

0K    |  2K    |  4K    |  6K    |  8K

Nominal million dollars

0K    |  2K    |  4K    |  6K

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All petroleum products total expenditures by sector, Maine

Graph showing the total expenditures of all petroleum products by sector in Maine from 1970 to 2020. The graph compares real and nominal expenditures across different years, with separate data for commercial, industrial, residential, and transportation sectors.
Consumption

Energy

Energy consumed by fuel, Maine (2019) (Excluding electric power sector)

Energy consumed by fuel, Maine (2019) (Excluding electric power sector)
Total energy consumed (i.e., sold to) by sector, Maine

The diagram shows the total energy consumed (in billions of BTU) by commercial, industrial, residential, and transportation sectors in Maine from 1990 to 2019. The data indicates a general trend of decreasing energy consumption over the years, with fluctuations across different sectors.
**Fuel oil total, distillate, and residual consumption with 2030 and 2050 goals**

**Fuel oil total consumption with 2030 and 2050 goals, Maine**

- Distillate Fuel Oil
- Residual Fuel Oil
- 2030 Oil Consumption Goal
- 2050 Oil Consumption Goal

**Distillate fuel oil consumed by sector, Maine**

- Commercial
- Electric Power
- Industrial
- Residential
- Transportation

**Residual fuel oil consumed by sector, Maine**

- Commercial
- Electric Power
- Industrial
- Transportation
All petroleum products total consumption, New England

All petroleum products total consumption, New England

- CT
- MA
- ME
- NH
- RI
- VT

State

<table>
<thead>
<tr>
<th>State</th>
<th>2010</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA</td>
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</tr>
<tr>
<td>ME</td>
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</tr>
<tr>
<td>NH</td>
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<td></td>
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<tr>
<td>RI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VT</td>
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</tr>
</tbody>
</table>

MMBtu per capita

<table>
<thead>
<tr>
<th>State</th>
<th>2010</th>
<th>2019</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MA</td>
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</tr>
<tr>
<td>ME</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RI</td>
<td></td>
<td></td>
</tr>
<tr>
<td>VT</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Total energy consumption (2019)

- ME
- Other New England States
- Other States
- US Average

State
Energy consumed by fuel and renewable energy consumed, Maine and US (2019)

Energy consumed by fuel, Maine (2019)

- Petroleum: 43.5%
- Wood: 23.8%
- Natural Gas: 12.1%
- Hydropower: 8.1%
- Wind: 5.8%
- Electricity: 3.7%
- Fuel Ethanol: 1.4%
- Waste: 0.7%
- Coal: 0.6%
- Solar: 0.2%
- Geothermal: 0.0%
- Nuclear: 0.0%


- Petroleum: 36.9%
- Natural Gas: 32.2%
- Coal: 11.3%
- Nuclear: 8.4%
- Wind: 2.6%
- Hydropower: 2.6%
- Wood: 2.2%
- Fuel Ethanol: 2.0%
- Solar: 1.0%
- Waste: 0.4%
- Geothermal: 0.2%
- Electricity: 0.1%

Renewable energy consumed (2019)

- Maine: 61.3%
- US: 90.9%
- Renewable: 38.7%
- Other: 9.1%
Energy consumed by sector and fuel, Maine (2019)
Electricity consumed (i.e., sold to) by sector, Maine
Electricity consumed (i.e., sold to) by sector, Maine

Year
GWh
12,164 12,152 11,971 12,367 12,362 12,285 11,860 11,674 11,283 11,532 11,416 11,561 11,855 11,003 11,888 11,449 11,214 12,355 11,732
Electricity total consumption (i.e., retail sales), New England (2019)

- Maine (ME): 8,728 kWh per capita
- Vermont (VT): 8,699 kWh per capita
- New Hampshire (NH): 7,878 kWh per capita
- Connecticut (CT): 7,825 kWh per capita
- Massachusetts (MA): 7,448 kWh per capita
- Rhode Island (RI): 6,938 kWh per capita
Energy Efficiency

National spending on energy efficiency programs\textsuperscript{16}

\textsuperscript{16} Efficiency Maine Trust: Triennial Plan V 2023-2025 (2022)
Annual savings from Efficiency Maine Trust programs

17 Efficiency Maine Trust: Triennial Plan V 2023-2025 (2022)
Benefits (lifetime) vs. costs (Efficiency Maine Trust and participant) of all Efficiency Maine Trust programs\(^\text{18}\)
## Costs of savings for Efficiency Maine Trust electric programs (2021)

<table>
<thead>
<tr>
<th>Program</th>
<th>Annual kWh Savings</th>
<th>Lifetime kWh Savings</th>
<th>Efficiency Maine Costs</th>
<th>Participant Cost</th>
<th>Lifetime Energy Benefit</th>
<th>Cost/kWh (Lifetime)</th>
<th>Benefit-to-Cost Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial and Industrial Custom Program – Electric</td>
<td>7,043,743</td>
<td>102,547,310</td>
<td>$2,207,603</td>
<td>$2,415,261</td>
<td>$10,575,335</td>
<td>$0.045</td>
<td>2.29</td>
</tr>
<tr>
<td>Commercial and Industrial Prescriptive Program – Electric</td>
<td>39,961,358</td>
<td>514,756,912</td>
<td>$9,263,812</td>
<td>$11,762,204</td>
<td>$55,027,462</td>
<td>$0.041</td>
<td>2.65</td>
</tr>
<tr>
<td>Small Business Initiative – Electric</td>
<td>2,263,544</td>
<td>29,431,165</td>
<td>$1,777,859</td>
<td>$996,939</td>
<td>$5,145,108</td>
<td>$0.094</td>
<td>1.85</td>
</tr>
<tr>
<td>Distributor Initiatives – Electric</td>
<td>22,474,617</td>
<td>286,191,294</td>
<td>$7,445,951</td>
<td>$2,188,923</td>
<td>$28,383,858</td>
<td>$0.034</td>
<td>2.95</td>
</tr>
<tr>
<td>Retail Initiatives – Electric</td>
<td>39,109,578</td>
<td>226,218,840</td>
<td>$7,344,323</td>
<td>$4,157,977</td>
<td>$37,282,824</td>
<td>$0.051</td>
<td>3.24</td>
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<tr>
<td>Home Energy Savings Program – Electric</td>
<td>53,485,129</td>
<td>962,804,321</td>
<td>$15,481,618</td>
<td>$34,926,856</td>
<td>$93,453,680</td>
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<td>1.85</td>
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<tr>
<td>Low-Income Initiatives – Electric</td>
<td>10,509,982</td>
<td>119,996,942</td>
<td>$3,269,356</td>
<td>$454,789</td>
<td>$14,850,406</td>
<td>$0.031</td>
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<tr>
<td>Strategic Initiatives – Electric</td>
<td>-</td>
<td>-</td>
<td>$1,753,703</td>
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<tr>
<td>Administration – Electric</td>
<td>-</td>
<td>-</td>
<td>$1,987,817</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>174,852,350</strong></td>
<td><strong>2,241,946,785</strong></td>
<td><strong>$50,532,061</strong></td>
<td><strong>$56,904,958</strong></td>
<td><strong>$245,318,673</strong></td>
<td><strong>$0.048</strong></td>
<td><strong>2.28</strong></td>
</tr>
</tbody>
</table>

## Costs and savings for Efficiency Maine Trust thermal programs (2021)

<table>
<thead>
<tr>
<th>Program</th>
<th>Annual MMBtu Savings</th>
<th>Lifetime MMBtu Savings</th>
<th>Efficiency Maine Costs</th>
<th>Participant Cost</th>
<th>Lifetime Energy Benefit</th>
<th>Cost/ MMBtu (Lifetime)</th>
<th>Benefit-to-Cost Ratio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial and Industrial Custom Program – Natural Gas</td>
<td>9,456</td>
<td>144,058</td>
<td>$292,421</td>
<td>$341,284</td>
<td>$1,004,398</td>
<td>$4.38</td>
<td>1.59</td>
</tr>
<tr>
<td>Commercial and Industrial Custom Program – Unregulated Fuels</td>
<td>6,044</td>
<td>88,131</td>
<td>$384,137</td>
<td>$405,980</td>
<td>$1,502,670</td>
<td>$6.97</td>
<td>1.90</td>
</tr>
<tr>
<td>Commercial and Industrial Prescriptive Program – Natural Gas</td>
<td>13,565</td>
<td>320,780</td>
<td>$179,575</td>
<td>$47,882</td>
<td>$2,030,495</td>
<td>$0.71</td>
<td>9.11</td>
</tr>
<tr>
<td>Commercial and Industrial Prescriptive Program – Unregulated Fuels</td>
<td>20,105</td>
<td>404,202</td>
<td>$443,131</td>
<td>$722,784</td>
<td>$6,333,393</td>
<td>$2.88</td>
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<tr>
<td>Small Business Initiative – Unregulated Fuels</td>
<td>11,264</td>
<td>168,954</td>
<td>$1,031,850</td>
<td>$2,549,671</td>
<td>$4,415,923</td>
<td>$21.08</td>
<td>1.24</td>
</tr>
<tr>
<td>Distributor Initiatives – Natural Gas</td>
<td>5,468</td>
<td>71,869</td>
<td>$124,999</td>
<td>$127,590</td>
<td>$554,333</td>
<td>$3.51</td>
<td>2.19</td>
</tr>
<tr>
<td>Low-Income Initiatives – Unregulated Fuels</td>
<td>30,630</td>
<td>551,242</td>
<td>$3,355,459</td>
<td>$7,660,046</td>
<td>$15,134,197</td>
<td>$19.98</td>
<td>1.37</td>
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<tr>
<td>Renewable Energy Demonstration Grants Program</td>
<td>-</td>
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<td>$0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Electric Vehicle Initiatives12</td>
<td>52,182</td>
<td>510,484</td>
<td>$2,701,687</td>
<td>$13,044,262</td>
<td>$15,736,324</td>
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<td>1.01</td>
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<tr>
<td>Strategic Initiatives – Thermal</td>
<td>-</td>
<td>-</td>
<td>$490,140</td>
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<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Administration – Thermal</td>
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<td>-</td>
<td>$1,372,153</td>
<td>-</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>195,307</strong></td>
<td><strong>3,364,858</strong></td>
<td><strong>$14,455,600</strong></td>
<td><strong>$35,587,221</strong></td>
<td><strong>$70,529,713</strong></td>
<td><strong>$14.87</strong></td>
<td><strong>1.41</strong></td>
</tr>
</tbody>
</table>

---


20 Efficiency Maine Trust: FY2021 Annual Report (2022)
**Efficiency Maine Trust payments made (2021)**

<table>
<thead>
<tr>
<th>Use of Funds</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Programs</strong></td>
<td></td>
</tr>
<tr>
<td>Commercial and Industrial Custom Program</td>
<td>$2,863,770</td>
</tr>
<tr>
<td>Commercial and Industrial Prescriptive Program</td>
<td>$9,886,919</td>
</tr>
<tr>
<td>Small Business Initiative</td>
<td>$2,794,708</td>
</tr>
<tr>
<td>Distributor Initiatives</td>
<td>$8,467,516</td>
</tr>
<tr>
<td>Retail Initiatives</td>
<td>$7,344,746</td>
</tr>
<tr>
<td>Home Energy Savings Program</td>
<td>$19,305,282</td>
</tr>
<tr>
<td>Low-Income Initiatives</td>
<td>$6,624,524</td>
</tr>
<tr>
<td>Renewable Energy Demonstration Grants Program</td>
<td>$0</td>
</tr>
<tr>
<td>Electric Vehicle Initiatives</td>
<td>$2,695,311</td>
</tr>
<tr>
<td><strong>Other Initiatives</strong></td>
<td>$6,375</td>
</tr>
<tr>
<td>Agricultural Fair Assistance Program</td>
<td>$0</td>
</tr>
<tr>
<td>Lead by Example Initiative</td>
<td>$6,375</td>
</tr>
<tr>
<td><strong>Strategic Initiatives, Public Information, and Administration</strong></td>
<td>$3,988,572</td>
</tr>
<tr>
<td>Strategic Initiatives</td>
<td>$2,243,846</td>
</tr>
<tr>
<td>Administration</td>
<td>$3,359,992</td>
</tr>
<tr>
<td><strong>Other Payments</strong></td>
<td>$72,256</td>
</tr>
<tr>
<td><strong>Total Use of Funds – Efficiency Maine Trust</strong></td>
<td>$65,665,245</td>
</tr>
</tbody>
</table>

---

### HEAP WEATHERIZATION

<table>
<thead>
<tr>
<th>Grant Year/Period</th>
<th>Production Budget</th>
<th>Production Expenses</th>
<th>Units</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017 10-01-15/03-31-21</td>
<td>$4,029,567</td>
<td>$4,025,808</td>
<td>462 Completed</td>
<td>Production Closed</td>
</tr>
<tr>
<td>2018 10-01-17/03-31-22</td>
<td>$3,421,317</td>
<td>$3,416,365</td>
<td>399 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>2019 10-01-18/03-31-22</td>
<td>$1,655,513</td>
<td>$1,697,380</td>
<td>316 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>2020 10-01-19/09-30-22</td>
<td>$2,351,154</td>
<td>$1,187,746</td>
<td>147 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>*2021 10-01-20/09-30-21</td>
<td>$2,465,800</td>
<td>$157,832</td>
<td>18 Completed</td>
<td>Production in Process</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF ENERGY WEATHERIZATION (DOE/Wx)

Funding used in conjunction with HEAP Weatherization funding to maximize energy savings and reduce fuel burden.

<table>
<thead>
<tr>
<th>Grant Year/Period</th>
<th>Production Budget</th>
<th>Production Expenses</th>
<th>Units</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 08-01-20/03-31-21</td>
<td>$4,718,456</td>
<td>$2,184,072</td>
<td>242 Completed</td>
<td>Production Closed</td>
</tr>
<tr>
<td>2021 08-01-21/03-31-22</td>
<td>$5,217,004</td>
<td>$1,338,201</td>
<td>87 Completed</td>
<td>Production in Process</td>
</tr>
</tbody>
</table>

### HEAP CENTRAL HEATING IMPROVEMENT

Central Heating Improvement Program is designed to repair or replace non-working or ineffective permanently installed home heating systems to increase efficiency and reduce household fuel burden.

<table>
<thead>
<tr>
<th>Grant Year/Period</th>
<th>Production Budget</th>
<th>Production Expenses</th>
<th>Units</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017 10-01-16/03-31-21</td>
<td>$5,864,422</td>
<td>$5,858,450</td>
<td>2506 Completed</td>
<td>Production Closed</td>
</tr>
<tr>
<td>2018 10-01-17/03-31-22</td>
<td>$5,459,679</td>
<td>$5,435,368</td>
<td>2078 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>2019 10-01-18/03-31-22</td>
<td>$3,684,946</td>
<td>$3,465,340</td>
<td>1099 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>2020 10-01-19/09-30-22</td>
<td>$5,757,110</td>
<td>$3,211,435</td>
<td>1056 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>*2021 10-01-20/09-30-23</td>
<td>$4,609,432</td>
<td>$492,120</td>
<td>145 Completed</td>
<td>Production in Process</td>
</tr>
</tbody>
</table>

### HEAP HEAT PUMPS

Pays for the purchase and installation of heat pumps as a secondary heating system to help reduce households’ overall energy burden. Eligible households must reside in an owner-occupied dwelling that is a good candidate for effective usage of heat pumps.

<table>
<thead>
<tr>
<th>Grant Year/Period</th>
<th>Production Budget</th>
<th>Production Expenses</th>
<th>Units</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>2020 10-01-19/09-30-22</td>
<td>$135,700</td>
<td>$585,658</td>
<td>27 Completed</td>
<td>Production in Process</td>
</tr>
<tr>
<td>*2021 10-01-20/09-30-23</td>
<td>$7,283,574</td>
<td>$1,783,549</td>
<td>389 Completed</td>
<td>Production in Process</td>
</tr>
</tbody>
</table>

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* *Numbers are inclusive of Standard HEAP funding as well as a Supplemental Funding Award from the American Rescue Plan.*

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22 Efficiency Maine Trust: FY2021 Annual Report (2022)
Advanced metering infrastructure (AMI) penetration, New England (2020)\textsuperscript{23}

\begin{figure}[h]
\centering
\includegraphics[width=\linewidth]{AMI_penetration.png}
\caption{Advanced metering infrastructure (AMI) penetration, New England (2020).}
\end{figure}

\textsuperscript{23} Data retrieved from U.S. Energy Information Administration: Annual Electric Power Industry Report, Form EIA-861 (2021) with visual developed by the Maine Governor’s Energy Office.
Residential Sector\textsuperscript{24}

Prices
Energy

*Total energy average price in the residential sector*

\textsuperscript{24} Additional data on the residential sector is included under All Sectors.
Natural gas price in the residential sector

<table>
<thead>
<tr>
<th>Year</th>
<th>Real dollars per million Btu</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>10.0</td>
</tr>
<tr>
<td>1980</td>
<td>15.0</td>
</tr>
<tr>
<td>1990</td>
<td>20.0</td>
</tr>
<tr>
<td>2000</td>
<td>15.0</td>
</tr>
<tr>
<td>2010</td>
<td>10.0</td>
</tr>
<tr>
<td>2020</td>
<td>5.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Nominal dollars per million Btu</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>5.0</td>
</tr>
<tr>
<td>1980</td>
<td>10.0</td>
</tr>
<tr>
<td>1990</td>
<td>15.0</td>
</tr>
<tr>
<td>2000</td>
<td>20.0</td>
</tr>
<tr>
<td>2010</td>
<td>15.0</td>
</tr>
<tr>
<td>2020</td>
<td>10.0</td>
</tr>
</tbody>
</table>
Electricity

*Electricity price in the residential sector*

[Graph showing electricity price in the residential sector from 1970 to 2020, comparing Maine (ME), New England Average, and US.]
Expenditures

Energy

Residential expenditures by fuel, Maine

Residential expenditures by fuel, Maine

Residential expenditures by fuel, Maine

Residential expenditures by fuel, Maine
All petroleum products total expenditures in the residential sector (2019)
Consumption

Energy

*Distillate fuel oil consumed by the residential sector (2019)*

Distillate fuel oil consumed by the residential sector (2019)

- ME
- Other New England States
- Other States
- US Average

[Bar graph showing consumption per capita by state, with ME (Maine) having the highest consumption.]
Share of Energy Sources Consumed for Residential Heating, Maine and US (2019)\textsuperscript{26}

\hspace{1cm} Data retrieved from U.S. Energy Information Administration: State Profile and Energy Estimates (2022) with visual developed by the Maine Governor’s Energy Office.
Share of Energy Source Consumed for Residential Heating, Maine

Data retrieved from U.S. Energy Information Administration: State Profile and Energy Estimates (2022) with visual developed by the Maine Governor’s Energy Office.
Energy Efficiency

Efficiency Maine Trust heat pump installations (2021), population density (2010), and income distribution (2018), Maine

Number of Heat Pumps per 100 population

Population Density by Census Tract

Median Household Income (2018)

Geographic units modified from U.S. Census Minor Civil Divisions to more closely align with ZIP codes

Efficiency Maine Trust: Triennial Plan V 2023-2025 (2022)
Generation

Electricity

*Solar photovoltaic electricity generation by small-scale applications in the residential sector, New England*

Solar photovoltaic electricity generation by small-scale applications in the residential sector, New England
Commercial and Industrial Sector\textsuperscript{29}

Prices
Energy

\textit{Total energy average price in the commercial sector}

\textsuperscript{29} Additional data on the commercial and industrial sector is included under All Sectors.
Total energy average price in the industrial sector

- **Total energy average price in the industrial sector**
  - **Real dollars per million Btu**
  - **Nominal dollars per million Btu**

Year:
- 1970
- 1980
- 1990
- 2000
- 2010
- 2020

**Graphs:**
Consumption

Energy

Distillate fuel oil consumed by the commercial sector (2019)

Distillate fuel oil consumed by the commercial sector (2019)

- ME
- Other New England States
- Other States
- US Average
Transportation Sector 30

Consumption

Energy

Fuels consumed in transportation sector, Maine

Fuels consumed in transportation sector, Maine

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30 Additional data on the transportation sector is included under All Sectors.
Alternative Transportation and Infrastructure

Annual emissions per vehicle in pounds of CO$_2$e, Maine$^{31}$

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$^{31}$ Governor’s Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
Mine-to-wheel life cycle emissions of EVs

32 Governor's Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
Breakdown of light-duty vehicles owned and available for rebate, Maine and US (2021)\textsuperscript{33}

\textsuperscript{33} Governor's Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
Average MSRP of EVs sold by vehicle category, Maine

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34 Governor's Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
Locations of 417 publicly accessible level 2 stations, 131 publicly accessible DCFC plugs, and planned chargers, Maine (2021)\textsuperscript{35}

\textsuperscript{35} Governor’s Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
### Income distribution of new EV buyers, new car buyers, and used car buyers

#### New EV Buyers

<table>
<thead>
<tr>
<th>Income Range</th>
<th>Maine (ME Only) Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>$25K-$50K</td>
<td>10%</td>
</tr>
<tr>
<td>$50K-$75K</td>
<td>15%</td>
</tr>
<tr>
<td>$75K-$100K</td>
<td>18%</td>
</tr>
<tr>
<td>$100K-$200K</td>
<td>40%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>15%</td>
</tr>
</tbody>
</table>

#### New Car Buyers

<table>
<thead>
<tr>
<th>Income Range</th>
<th>All US Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;$25K</td>
<td>7%</td>
</tr>
<tr>
<td>$25K-$50K</td>
<td>14%</td>
</tr>
<tr>
<td>$50K-$75K</td>
<td>17%</td>
</tr>
<tr>
<td>$75K-$100K</td>
<td>15%</td>
</tr>
<tr>
<td>$100K-$200K</td>
<td>34%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>13%</td>
</tr>
</tbody>
</table>

#### Used Car Buyers

<table>
<thead>
<tr>
<th>Income Range</th>
<th>Maine (ME Only) Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;$25K</td>
<td>10%</td>
</tr>
<tr>
<td>$25K-$50K</td>
<td>42%</td>
</tr>
<tr>
<td>$50K-$75K</td>
<td>11%</td>
</tr>
<tr>
<td>$75K-$100K</td>
<td>16%</td>
</tr>
<tr>
<td>$100K-$200K</td>
<td>16%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>3%</td>
</tr>
</tbody>
</table>

---

36 Governor's Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
Emissions in the transportation sector by vehicle type in million metric tons of CO₂e, Maine

 Governor's Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)
Electric vehicle (EV) sales share of all light-duty sales, North East

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38 Governor's Office of Policy Innovation and the Future: Maine Clean Transportation Roadmap (2021)