Table CE2-3e. Space-Heating Energy Expenditures in U.S. Households by Household Income, 2001

<table>
<thead>
<tr>
<th>Total U.S. Households</th>
<th>2001 Household Income</th>
<th>Eligible for Federal Assistance¹</th>
<th>RSE Row Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>107.0</td>
<td>11.0</td>
<td>30.6</td>
</tr>
<tr>
<td>Space Heating</td>
<td>106.0</td>
<td>10.8</td>
<td>30.3</td>
</tr>
<tr>
<td>Not Using a Major Fuel²</td>
<td>0.7</td>
<td>Q</td>
<td>Q</td>
</tr>
<tr>
<td>Using a Major Fuel²</td>
<td>105.3</td>
<td>10.8</td>
<td>30.2</td>
</tr>
<tr>
<td>For Main Space Heating</td>
<td>103.8</td>
<td>10.6</td>
<td>29.8</td>
</tr>
<tr>
<td>For Secondary Space Heating Only</td>
<td>1.5</td>
<td>Q</td>
<td>0.4</td>
</tr>
</tbody>
</table>

Number of Households with Space Heating, Major Fuels Used (more than one may apply):

- **Electricity**: 43.8, 4.9, 12.7, 11.1, 15.1, 6.5, 13.9, 5.6
- **Natural Gas**: 60.3, 5.6, 16.5, 14.6, 23.8, 7.8, 18.2, 5.2
- **Fuel Oil**: 8.5, 0.6, 2.2, 2.4, 3.3, 0.8, 2.4, 12.9
- **Kerosene**: 2.7, 0.4, 0.8, 0.7, 0.7, 0.7, 1.2, 17.5
- **LPG**: 6.6, 0.7, 2.1, 1.8, 2.0, 1.0, 2.2, 15.2

Space-Heating Expenditures, Major Fuels Used:

- **Electricity**: 8.98, 0.89, 2.48, 2.38, 3.23, 1.20, 2.78, 7.7
- **Natural Gas**: 31.84, 2.57, 8.09, 7.49, 13.68, 3.52, 8.99, 7.0
- **Fuel Oil**: 5.17, 0.23, 1.24, 1.40, 2.29, 0.33, 1.33, 14.7
- **Kerosene**: 0.49, 0.10, 0.19, 0.13, 0.07, 0.16, 0.28, 26.6
- **LPG**: 4.04, 0.31, 1.29, 1.17, 1.28, 0.45, 1.20, 18.5
- **Total**: 50.53, 4.10, 13.29, 12.58, 20.55, 5.66, 14.58, 4.3

Average Space-Heating Expenditures per Household

- Using a Major Fuel²: 480, 380, 441, 474, 543, 388, 439, 3.2
- For Main Space Heating: 484, 384, 444, 478, 548, 392, 442, 3.2

Million Households

See footnotes at end of table.
<table>
<thead>
<tr>
<th></th>
<th>2001 Household Income</th>
<th></th>
<th></th>
<th></th>
<th>Below Poverty Line</th>
<th>Eligible for Federal Assistance¹</th>
<th>RSE Row Factors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Total</td>
<td>Less than $10,000</td>
<td>$10,000 to $29,999</td>
<td>$30,000 to $49,999</td>
<td>$50,000 or More</td>
<td>Line</td>
<td>Factor</td>
</tr>
<tr>
<td>RSE Column Factor:</td>
<td>0.6</td>
<td>1.6</td>
<td>0.9</td>
<td>1.0</td>
<td>0.9</td>
<td>1.3</td>
<td>0.9</td>
</tr>
</tbody>
</table>

### Dollars per Household²³

#### Space-Heating Expenditures per Household, Where the Main Space-Heating Fuel Is:

- **Electricity**
  - Below Poverty Line: 271
  - Eligible for Federal Assistance: 222
- **Natural Gas**
  - Below Poverty Line: 530
  - Eligible for Federal Assistance: 462
- **Fuel Oil**
  - Below Poverty Line: 630
  - Eligible for Federal Assistance: 424
- **Kerosene**
  - Below Poverty Line: 411
  - Eligible for Federal Assistance: 314
- **LPG**
  - Below Poverty Line: 713
  - Eligible for Federal Assistance: 483

### 2001 Heating Degree-Days (HDD) per Household⁴

#### 2001 Heating Degree-Days per Household, Where the Main Space-Heating Fuel Is:

- **Electricity**
  - Below Poverty Line: 3,006
  - Eligible for Federal Assistance: 3,329
- **Natural Gas**
  - Below Poverty Line: 4,255
  - Eligible for Federal Assistance: 4,167
- **Fuel Oil**
  - Below Poverty Line: 5,339
  - Eligible for Federal Assistance: 5,501
- **Kerosene**
  - Below Poverty Line: 4,636
  - Eligible for Federal Assistance: 4,297
- **LPG**
  - Below Poverty Line: 4,843
  - Eligible for Federal Assistance: 3,852

### Heated Square Footage per Household, Where the Main Space-Heating Fuel Is:

- **Electricity**
  - Below Poverty Line: 1,399
  - Eligible for Federal Assistance: 786
- **Natural Gas**
  - Below Poverty Line: 1,836
  - Eligible for Federal Assistance: 1,067
- **Fuel Oil**
  - Below Poverty Line: 2,043
  - Eligible for Federal Assistance: 1,106
- **Kerosene**
  - Below Poverty Line: 1,976
  - Eligible for Federal Assistance: 746
- **LPG**
  - Below Poverty Line: 1,570
  - Eligible for Federal Assistance: 1,026

### Space-Heating Intensity, Where the Main Space-Heating Fuel Is:

- **Electricity**
  - Below Poverty Line: 6.45
  - Eligible for Federal Assistance: 8.47
- **Natural Gas**
  - Below Poverty Line: 6.73
  - Eligible for Federal Assistance: 10.39
- **Fuel Oil**
  - Below Poverty Line: 5.78
  - Eligible for Federal Assistance: 6.97
- **Kerosene**
  - Below Poverty Line: 8.24
  - Eligible for Federal Assistance: 9.78
- **LPG**
  - Below Poverty Line: 9.78
  - Eligible for Federal Assistance: 12.23

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¹ Below 150 percent of poverty line or 60 percent of median State income.

² The major fuels are electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas (LPG).

³ Includes only the space-heating expenditures of the space-heating fuel. Not included are: 1) the expenditures of the main space-heating fuel for uses other than space heating; 2) the expenditures of the main space-heating fuel where it is the secondary, and not the main, space-heating fuel, and 3) the expenditures of other fuels that are used as secondary space-heating fuels.

⁴ Averages are for those households using each of the main space-heating fuels.

⁻ The row factor in this section is underestimated because it contains no error for estimating the end-use.

Q = Data withheld either because the Relative Standard Error (RSE) was greater than 50 percent or fewer than 10 households were sampled.

Notes: • To obtain the RSE percentage for any table cell, multiply the corresponding column and row factors. • Because of rounding, data may not sum to totals.

See “Glossary” for definition of terms used in this report.


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Energy Information Administration

2001 Residential Energy Consumption Survey: Household Energy Consumption and Expenditures Tables