

**Table US13. Total Expenditures by Energy End Uses, 2005**  
**Billion Dollars**

|  | U.S.<br>Households<br>(millions) | Energy End Uses (billion Dollars) |                            |                                   |                            |               |                                     |
|--|----------------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|---------------|-------------------------------------|
|  |                                  | All End Uses                      | Space Heating <sup>4</sup> | Air-<br>Conditioning <sup>5</sup> | Water Heating <sup>6</sup> | Refrigerators | Other<br>Appliances and<br>Lighting |
| <b>Total</b> .....                                       | 111.1                            | 201.84                            | 56.09                      | 25.68                             | 31.64                      | 15.72         | 72.72                               |
| <b>Census Region and Division</b>                        |                                  |                                   |                            |                                   |                            |               |                                     |
| Northeast.....   | 20.6                             | 47.50                             | 19.05                      | 2.92                              | 6.55                       | 3.61          | 15.37                               |
| New England.....   | 5.5                              | 13.23                             | 6.16                       | 0.36                              | 1.93                       | 0.91          | 3.88                                |
| Middle Atlantic.....                                     | 15.1                             | 34.27                             | 12.90                      | 2.56                              | 4.62                       | 2.70          | 11.49                               |
| Midwest.....   | 25.6                             | 45.70                             | 16.53                      | 3.68                              | 6.74                       | 3.36          | 15.40                               |
| East North Central.....                                  | 17.7                             | 31.98                             | 11.92                      | 2.34                              | 4.68                       | 2.37          | 10.67                               |
| West North Central.....                                  | 7.9                              | 13.72                             | 4.61                       | 1.33                              | 2.06                       | 0.99          | 4.72                                |
| South.....   | 40.7                             | 72.45                             | 13.32                      | 16.03                             | 11.43                      | 5.38          | 26.29                               |
| South Atlantic.....                                      | 21.7                             | 37.82                             | 7.36                       | 7.90                              | 5.97                       | 2.86          | 13.74                               |
| East South Central.....                                  | 6.9                              | 11.42                             | 2.90                       | 1.81                              | 1.91                       | 0.80          | 4.00                                |
| West South Central.....                                  | 12.1                             | 23.20                             | 3.06                       | 6.31                              | 3.55                       | 1.72          | 8.55                                |
| West.....  | 24.2                             | 36.18                             | 7.19                       | 3.05                              | 6.91                       | 3.37          | 15.66                               |
| Mountain.....  | 7.6                              | 12.56                             | 3.07                       | 1.69                              | 2.13                       | 0.98          | 4.70                                |
| Pacific.....   | 16.6                             | 23.62                             | 4.12                       | 1.37                              | 4.78                       | 2.39          | 10.96                               |
| <b>Four Most Populated States</b>                        |                                  |                                   |                            |                                   |                            |               |                                     |
| New York.....  | 7.1                              | 17.09                             | 6.61                       | 1.06                              | 2.35                       | 1.43          | 5.64                                |
| Florida.....   | 7.0                              | 12.26                             | 0.69                       | 4.29                              | 1.92                       | 0.91          | 4.45                                |
| Texas.....   | 8.0                              | 16.40                             | 1.70                       | 4.86                              | 2.52                       | 1.25          | 6.07                                |
| California.....  | 12.1                             | 16.98                             | 2.15                       | 1.21                              | 3.51                       | 1.78          | 8.33                                |
| All Other States.....                                    | 76.9                             | 139.12                            | 44.94                      | 14.27                             | 21.35                      | 10.34         | 48.22                               |
| <b>Urban/Rural Location (as Self-Reported)</b>           |                                  |                                   |                            |                                   |                            |               |                                     |
| City.....  | 47.1                             | 76.69                             | 19.88                      | 10.96                             | 12.57                      | 6.12          | 27.16                               |
| Town.....  | 19.0                             | 34.60                             | 10.69                      | 3.87                              | 5.15                       | 2.70          | 12.20                               |
| Suburbs.....   | 22.7                             | 45.63                             | 11.90                      | 6.26                              | 6.86                       | 3.52          | 17.08                               |
| Rural.....   | 22.3                             | 44.92                             | 13.62                      | 4.58                              | 7.06                       | 3.37          | 16.28                               |
| <b>Climate Zone<sup>1</sup></b>                          |                                  |                                   |                            |                                   |                            |               |                                     |
| Less than 2,000 CDD and--<br>Greater than 7,000 HDD..... | 10.9                             | 21.83                             | 8.91                       | 0.70                              | 3.12                       | 1.65          | 7.45                                |
| 5,500 to 7,000 HDD.....                                  | 26.1                             | 49.12                             | 19.27                      | 2.96                              | 7.06                       | 3.63          | 16.21                               |
| 4,000 to 5,499 HDD.....                                  | 27.3                             | 50.86                             | 16.81                      | 4.90                              | 7.81                       | 3.87          | 17.47                               |
| Fewer than 4,000 HDD.....                                | 24.0                             | 38.30                             | 7.15                       | 4.58                              | 7.03                       | 3.39          | 16.16                               |
| 2000 CDD or More and--<br>Less than 4,000 HDD.....       | 22.8                             | 41.72                             | 3.94                       | 12.55                             | 6.62                       | 3.17          | 15.44                               |

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|---|----------------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|---------------|-------------------------------------|
|   |                                  | All End Uses                      | Space Heating <sup>4</sup> | Air-<br>Conditioning <sup>5</sup> | Water Heating <sup>6</sup> | Refrigerators | Other<br>Appliances and<br>Lighting |
| <b>Type of Housing Unit</b>                 |                                  |                                   |                            |                                   |                            |               |                                     |
| Single-Family Detached.....                 | 72.1                             | 148.57                            | 40.68                      | 19.08                             | 22.64                      | 11.36         | 54.81                               |
| Single-Family Attached.....                 | 7.6                              | 12.32                             | 3.82                       | 1.26                              | 2.04                       | 0.95          | 4.24                                |
| Apartments in 2-4 Unit Buildings.....       | 7.8                              | 12.11                             | 4.29                       | 1.27                              | 1.81                       | 0.94          | 3.80                                |
| Apartments in 5 or More Unit Buildings..... | 16.7                             | 18.12                             | 4.56                       | 2.67                              | 3.30                       | 1.67          | 5.92                                |
| Mobile Homes.....                           | 6.9                              | 10.72                             | 2.73                       | 1.40                              | 1.84                       | 0.79          | 3.95                                |
| <b>Ownership of Housing Unit</b>            |                                  |                                   |                            |                                   |                            |               |                                     |
| <b>Owned</b> .....                          | 78.1                             | 156.42                            | 43.29                      | 19.82                             | 23.77                      | 12.12         | 57.43                               |
| Single-Family Detached.....                 | 64.1                             | 134.03                            | 36.77                      | 17.09                             | 20.22                      | 10.36         | 49.59                               |
| Single-Family Attached.....                 | 4.2                              | 7.24                              | 2.31                       | 0.76                              | 1.13                       | 0.57          | 2.48                                |
| Apartments in 2-4 Unit Buildings.....       | 1.8                              | 3.77                              | 1.45                       | 0.32                              | 0.53                       | 0.31          | 1.16                                |
| Apartments in 5 or More Unit Buildings..... | 2.3                              | 2.50                              | 0.51                       | 0.45                              | 0.41                       | 0.24          | 0.89                                |
| Mobile Homes.....                           | 5.7                              | 8.89                              | 2.26                       | 1.20                              | 1.48                       | 0.65          | 3.31                                |
| <b>Rented</b> .....                         | 33.0                             | 45.42                             | 12.80                      | 5.86                              | 7.87                       | 3.59          | 15.29                               |
| Single-Family Detached.....                 | 8.0                              | 14.55                             | 3.92                       | 1.99                              | 2.42                       | 1.00          | 5.22                                |
| Single-Family Attached.....                 | 3.4                              | 5.08                              | 1.51                       | 0.50                              | 0.92                       | 0.39          | 1.77                                |
| Apartments in 2-4 Unit Buildings.....       | 5.9                              | 8.34                              | 2.84                       | 0.95                              | 1.28                       | 0.63          | 2.63                                |
| Apartments in 5 or More Unit Buildings..... | 14.4                             | 15.62                             | 4.05                       | 2.22                              | 2.88                       | 1.43          | 5.03                                |
| Mobile Homes.....                           | 1.2                              | 1.83                              | 0.47                       | 0.21                              | 0.37                       | 0.14          | 0.64                                |
| <b>Year of Construction</b>                 |                                  |                                   |                            |                                   |                            |               |                                     |
| Before 1940.....                            | 14.7                             | 29.82                             | 12.13                      | 1.85                              | 4.40                       | 2.13          | 9.31                                |
| 1940 to 1949.....                           | 7.4                              | 13.17                             | 4.37                       | 1.26                              | 2.13                       | 0.98          | 4.44                                |
| 1950 to 1959.....                           | 12.5                             | 22.22                             | 7.10                       | 2.50                              | 3.37                       | 1.73          | 7.51                                |
| 1960 to 1969.....                           | 12.5                             | 22.02                             | 6.25                       | 2.50                              | 3.45                       | 1.77          | 8.05                                |
| 1970 to 1979.....                           | 18.9                             | 31.26                             | 7.88                       | 4.18                              | 5.04                       | 2.56          | 11.59                               |
| 1980 to 1989.....                           | 18.6                             | 31.63                             | 6.88                       | 4.87                              | 5.06                       | 2.60          | 12.21                               |
| 1990 to 1999.....                           | 17.3                             | 33.64                             | 7.60                       | 5.09                              | 5.31                       | 2.73          | 12.91                               |
| 2000 to 2005.....                           | 9.2                              | 18.09                             | 3.87                       | 3.43                              | 2.88                       | 1.21          | 6.70                                |
| <b>Total Floorspace (Square Feet)</b>       |                                  |                                   |                            |                                   |                            |               |                                     |
| Fewer than 500.....                         | 3.1                              | 3.33                              | 1.05                       | 0.32                              | 0.64                       | 0.33          | 0.99                                |
| 500 to 999.....                             | 22.2                             | 26.88                             | 7.48                       | 3.51                              | 4.72                       | 2.30          | 8.88                                |
| 1,000 to 1,499.....                         | 19.1                             | 29.38                             | 8.00                       | 3.95                              | 4.88                       | 2.22          | 10.34                               |
| 1,500 to 1,999.....                         | 14.4                             | 25.65                             | 6.68                       | 3.28                              | 4.15                       | 2.04          | 9.50                                |
| 2,000 to 2,499.....                         | 12.8                             | 24.64                             | 6.27                       | 3.34                              | 3.78                       | 2.01          | 9.24                                |
| 2,500 to 2,999.....                         | 10.1                             | 20.49                             | 5.99                       | 2.34                              | 3.07                       | 1.56          | 7.54                                |
| 3,000 to 3,499.....                         | 8.2                              | 17.42                             | 4.88                       | 2.11                              | 2.62                       | 1.34          | 6.48                                |
| 3,500 to 3,999.....                         | 5.7                              | 13.03                             | 4.17                       | 1.44                              | 1.89                       | 0.95          | 4.58                                |
| 4,000 or More.....                          | 15.7                             | 41.02                             | 11.58                      | 5.40                              | 5.90                       | 2.97          | 15.18                               |

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|--|----------------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|---------------|-------------------------------------|
|  |                                  | All End Uses                      | Space Heating <sup>4</sup> | Air-<br>Conditioning <sup>5</sup> | Water Heating <sup>6</sup> | Refrigerators | Other<br>Appliances and<br>Lighting |
| <b>Household Size</b>                              |                                  |                                   |                            |                                   |                            |               |                                     |
| 1 Person.....                                      | 30.0                             | 39.15                             | 13.75                      | 4.54                              | 5.48                       | 3.61          | 11.77                               |
| 2 Persons.....                                     | 34.8                             | 64.54                             | 18.59                      | 8.56                              | 9.62                       | 5.17          | 22.60                               |
| 3 Persons.....                                     | 18.4                             | 36.69                             | 9.69                       | 4.61                              | 5.90                       | 2.72          | 13.76                               |
| 4 Persons.....                                     | 15.9                             | 33.59                             | 8.11                       | 4.26                              | 5.62                       | 2.36          | 13.24                               |
| 5 Persons.....                                     | 7.9                              | 18.12                             | 3.98                       | 2.55                              | 3.12                       | 1.23          | 7.24                                |
| 6 or More Persons.....                             | 4.1                              | 9.75                              | 1.97                       | 1.16                              | 1.90                       | 0.62          | 4.11                                |
| <b>2005 Household Income Category</b>              |                                  |                                   |                            |                                   |                            |               |                                     |
| Less than \$10,000.....                            | 9.9                              | 13.44                             | 4.45                       | 1.60                              | 2.17                       | 1.10          | 4.13                                |
| \$10,000 to \$14,999.....                          | 8.5                              | 11.99                             | 3.94                       | 1.28                              | 1.92                       | 0.96          | 3.89                                |
| \$15,000 to \$19,999.....                          | 8.4                              | 12.25                             | 3.87                       | 1.51                              | 2.01                       | 0.97          | 3.90                                |
| \$20,000 to \$29,999.....                          | 15.1                             | 23.91                             | 7.17                       | 2.91                              | 3.82                       | 1.86          | 8.15                                |
| \$30,000 to \$39,999.....                          | 13.6                             | 22.89                             | 6.35                       | 3.13                              | 3.68                       | 1.80          | 7.92                                |
| \$40,000 to \$49,999.....                          | 11.0                             | 20.01                             | 5.57                       | 2.62                              | 3.04                       | 1.52          | 7.26                                |
| \$50,000 to \$74,999.....                          | 19.8                             | 38.01                             | 9.70                       | 5.09                              | 6.00                       | 3.00          | 14.23                               |
| \$75,000 to \$99,999.....                          | 10.6                             | 23.52                             | 6.72                       | 2.89                              | 3.43                       | 1.75          | 8.73                                |
| \$100,000 or More.....                             | 14.2                             | 35.82                             | 8.32                       | 4.65                              | 5.58                       | 2.75          | 14.51                               |
| <b>Income Relative to Poverty Line</b>             |                                  |                                   |                            |                                   |                            |               |                                     |
| Below 100 Percent.....                             | 16.6                             | 24.79                             | 7.56                       | 2.88                              | 4.23                       | 1.88          | 8.24                                |
| 100 to 150 Percent.....                            | 12.9                             | 20.15                             | 5.67                       | 2.60                              | 3.39                       | 1.54          | 6.94                                |
| Above 150 Percent.....                             | 81.5                             | 156.91                            | 42.86                      | 20.20                             | 24.02                      | 12.29         | 57.54                               |
| <b>Eligible for Federal Assistance<sup>2</sup></b> |                                  |                                   |                            |                                   |                            |               |                                     |
| Yes.....   | 38.6                             | 60.28                             | 18.28                      | 7.04                              | 10.04                      | 4.63          | 20.29                               |
| No.....  | 72.5                             | 141.56                            | 37.81                      | 18.64                             | 21.60                      | 11.09         | 52.43                               |
| <b>Payment Method for Utilities</b>                |                                  |                                   |                            |                                   |                            |               |                                     |
| All Paid by Household.....                         | 97.5                             | 182.82                            | 49.99                      | 23.70                             | 28.59                      | 14.05         | 66.50                               |
| Some Paid, Some in Rent.....                       | 4.7                              | 5.96                              | 1.91                       | 0.70                              | 0.94                       | 0.53          | 1.88                                |
| All Included in Rent.....                          | 7.6                              | 10.72                             | 3.60                       | 1.00                              | 1.75                       | 0.93          | 3.44                                |
| Other Method.....                                  | 1.3                              | 2.34                              | 0.58                       | 0.27                              | 0.37                       | 0.21          | 0.90                                |

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|---|----------------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|---------------|-------------------------------------|
|   |                                  | All End Uses                      | Space Heating <sup>4</sup> | Air-<br>Conditioning <sup>5</sup> | Water Heating <sup>6</sup> | Refrigerators | Other<br>Appliances and<br>Lighting |
| <b>Ethnic Origin of Householder</b>           |                                  |                                   |                            |                                   |                            |               |                                     |
| Hispanic Descent.....                         | 14.8                             | 24.42                             | 5.56                       | 3.49                              | 4.47                       | 1.98          | 8.92                                |
| Non-Hispanic Descent.....                     | 96.3                             | 177.42                            | 50.52                      | 22.19                             | 27.17                      | 13.73         | 63.80                               |
| <b>Race of Householder<sup>3</sup></b>        |                                  |                                   |                            |                                   |                            |               |                                     |
| White.....                                    | 79.1                             | 148.07                            | 42.31                      | 18.18                             | 22.63                      | 11.47         | 53.49                               |
| Hispanic.....                                 | 5.0                              | 7.81                              | 1.63                       | 1.11                              | 1.52                       | 0.63          | 2.91                                |
| Non-Hispanic.....                             | 74.1                             | 140.26                            | 40.68                      | 17.06                             | 21.10                      | 10.84         | 50.58                               |
| Black.....                                    | 13.4                             | 23.15                             | 6.57                       | 3.33                              | 3.74                       | 1.67          | 7.83                                |
| Hispanic.....                                 | 0.3                              | 0.63                              | 0.23                       | 0.04                              | 0.12                       | 0.04          | 0.19                                |
| Non-Hispanic.....                             | 13.1                             | 22.52                             | 6.34                       | 3.29                              | 3.62                       | 1.63          | 7.64                                |
| Asian.....                                    | 3.3                              | 4.83                              | 1.02                       | 0.55                              | 0.92                       | 0.45          | 1.88                                |
| Multi-Racial.....                             | 1.3                              | 2.12                              | 0.51                       | 0.27                              | 0.34                       | 0.17          | 0.84                                |
| Other.....                                    | 7.1                              | 11.99                             | 2.90                       | 1.66                              | 1.97                       | 1.00          | 4.46                                |
| Undetermined (Race Reported as Hispanic)..... | 6.9                              | 11.76                             | 2.79                       | 1.69                              | 2.06                       | 0.96          | 4.27                                |

1 One of five climatically distinct areas, determined according to the 30-year average (1971-2000) of the annual heating and cooling degree-days. A household is assigned to a climate zone according to the 30-year average annual degree-days for an appropriate nearby weather station.

2 Below 150 percent of poverty line or 60 percent of median state income.

3 Respondents were permitted to select more than one racial category to describe themselves. The "Other" category includes Native Americans, Native Alaskans, and Pacific Islanders.

4 Housing units where the main or secondary space-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

5 The number of housing units where the end use is electric air-conditioning, does not include households that did not use their equipment (1.9 million). It does include the small number of housing units where the fuel for central air-conditioning equipment was something other than electricity; those households were treated as if the fuel was electricity.

6 Housing Units where the main or secondary water-heating fuel is electricity, natural gas, fuel oil, kerosene, or LPG.

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

N = No cases in the reporting sample.

(\*) Number less than 0.5, 0.05, or 0.005 depending on the number of significant digits in the column, rounded to zero.

Notes: • Because of rounding, data may not sum to totals. • See "Glossary" for definition of terms used in this report.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 2005 Residential Energy Consumption Survey.