

Table 1. Consumption and Expenditures in U.S. Households--Major Energy Sources (1), 1980

| Characteristics                           | Total Households<br>(million) | Residential Buildings     |                                       | Average of Major Energy Sources |                                   |                                |                                       |                           |                              |                            |                                   |
|---|-------------------------------|---------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------------|---------------------------|------------------------------|----------------------------|-----------------------------------|
|   |                               | Total Number<br>(million) | Total Floorspace<br>(billion sq. ft.) | Consumption                     |                                   |                                |                                       | Expenditures              |                              |                            |                                   |
|   |                               |                           |                                       | per Building<br>(million Btu)   | per Square Foot<br>(thousand Btu) | per Household<br>(million Btu) | per Household Member<br>(million Btu) | per Building<br>(dollars) | per Square Foot<br>(dollars) | per Household<br>(dollars) | per Household Member<br>(dollars) |
| <b>Total U.S. Households</b>              | 81.6                          | 65.4                      | 142.5                                 | 143                             | 65                                | 114.1                          | 41                                    | 1,156                     | 0.53                         | 926                        | 330                               |
| <b>Census Region and Division</b>         |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Northeast                                 | 17.7                          | 12.3                      | 34.8                                  | 199                             | 70                                | 138.3                          | 49                                    | 1,874                     | 0.66                         | 1,301                      | 459                               |
| New England                               | 4.3                           | 2.9                       | 8.9                                   | 197                             | 65                                | 134.4                          | 47                                    | 1,964                     | 0.65                         | 1,341                      | 466                               |
| Middle Atlantic                           | 13.4                          | 9.3                       | 26.0                                  | 200                             | 72                                | 139.5                          | 49                                    | 1,846                     | 0.66                         | 1,288                      | 456                               |
| Midwest                                   | 21.1                          | 17.4                      | 40.8                                  | 171                             | 73                                | 140.5                          | 49                                    | 1,119                     | 0.48                         | 922                        | 320                               |
| East North Central                        | 14.8                          | 11.8                      | 27.8                                  | 179                             | 76                                | 142.7                          | 49                                    | 1,173                     | 0.50                         | 936                        | 321                               |
| West North Central                        | 6.3                           | 5.5                       | 13.0                                  | 153                             | 65                                | 135.5                          | 49                                    | 1,004                     | 0.43                         | 889                        | 318                               |
| South                                     | 27.0                          | 23.1                      | 42.2                                  | 111                             | 61                                | 95.4                           | 34                                    | 1,028                     | 0.56                         | 880                        | 317                               |
| South Atlantic                            | 14.0                          | 11.8                      | 22.3                                  | 108                             | 57                                | 90.6                           | 33                                    | 1,125                     | 0.60                         | 945                        | 341                               |
| East South Central                        | 5.2                           | 4.6                       | 8.6                                   | 104                             | 56                                | 92.2                           | 33                                    | 887                       | 0.47                         | 783                        | 281                               |
| West South Central                        | 7.7                           | 6.7                       | 11.3                                  | 122                             | 72                                | 106.1                          | 38                                    | 953                       | 0.57                         | 827                        | 296                               |
| West                                      | 16.0                          | 12.7                      | 24.7                                  | 106                             | 54                                | 84.1                           | 31                                    | 748                       | 0.38                         | 594                        | 218                               |
| Mountain                                  | 4.1                           | 3.5                       | 6.3                                   | 123                             | 68                                | 104.9                          | 39                                    | 821                       | 0.45                         | 702                        | 260                               |
| Pacific                                   | 11.8                          | 9.2                       | 18.3                                  | 99                              | 50                                | 76.9                           | 28                                    | 720                       | 0.36                         | 557                        | 204                               |
| <b>Metropolitan Statistical Area</b>      |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Urban                                     | 56.0                          | 41.3                      | 94.2                                  | 163                             | 71                                | 120.0                          | 44                                    | 1,233                     | 0.54                         | 908                        | 334                               |
| Central City                              | 24.3                          | 15.8                      | 36.8                                  | 186                             | 80                                | 121.0                          | 45                                    | 1,398                     | 0.60                         | 908                        | 335                               |
| Suburban                                  | 31.7                          | 25.5                      | 57.3                                  | 148                             | 66                                | 119.1                          | 44                                    | 1,130                     | 0.50                         | 907                        | 334                               |
| Rural                                     | 25.6                          | 24.1                      | 48.3                                  | 108                             | 54                                | 101.3                          | 34                                    | 1,026                     | 0.51                         | 967                        | 321                               |
| <b>Climate Zone (2)</b>                   |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Fewer than 2,000 CDD and--                |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| More than 7,000 HDD                       | 8.5                           | 7.3                       | 18.1                                  | 149                             | 60                                | 128.2                          | 45                                    | 1,138                     | 0.46                         | 978                        | 344                               |
| 5,500 to 7,000 HDD                        | 20.9                          | 16.0                      | 40.0                                  | 186                             | 74                                | 142.3                          | 49                                    | 1,307                     | 0.52                         | 1,001                      | 347                               |
| 4,000 to 5,499 HDD                        | 21.1                          | 16.2                      | 38.4                                  | 160                             | 68                                | 122.6                          | 44                                    | 1,407                     | 0.59                         | 1,079                      | 384                               |
| Fewer than 4,000 HDD                      | 19.0                          | 15.7                      | 29.2                                  | 106                             | 57                                | 87.3                           | 32                                    | 843                       | 0.45                         | 696                        | 255                               |
| 2,000 CDD or More and--                   |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Fewer than 4,000 HDD                      | 12.1                          | 10.2                      | 16.9                                  | 98                              | 59                                | 82.8                           | 30                                    | 1,015                     | 0.61                         | 854                        | 310                               |
| <b>Type and Ownership of Housing Unit</b> |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Single-Family Detached                    | 53.0                          | 53.0                      | 112.9                                 | 125                             | 59                                | 125.1                          | 41                                    | 989                       | 0.46                         | 989                        | 326                               |
| Owned                                     | 45.5                          | 45.5                      | 100.7                                 | 128                             | 58                                | 128.1                          | 42                                    | 1,017                     | 0.46                         | 1,017                      | 336                               |
| Rented                                    | 7.5                           | 7.5                       | 12.3                                  | 107                             | 65                                | 106.7                          | 34                                    | 822                       | 0.50                         | 822                        | 265                               |
| Single-Family Attached                    | 3.3                           | 3.3                       | 6.1                                   | 119                             | 65                                | 119.4                          | 38                                    | 1,002                     | 0.54                         | 1,002                      | 322                               |
| Owned                                     | 2.2                           | 2.2                       | 4.6                                   | 130                             | 64                                | 130.4                          | 40                                    | 1,108                     | 0.54                         | 1,108                      | 341                               |
| Rented                                    | 1.1                           | 1.1                       | 1.5                                   | 96                              | 68                                | 96.4                           | 34                                    | 780                       | 0.55                         | 780                        | 276                               |
| Multifamily                               |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| 2 to 4 Units                              | 9.9                           | 3.6                       | 10.8                                  | 308                             | 103                               | 112.3                          | 44                                    | 2,307                     | 0.77                         | 841                        | 332                               |
| Owned                                     | 2.0                           | 0.7                       | 3.2                                   | 406                             | 92                                | 149.9                          | 58                                    | 3,269                     | 0.74                         | 1,206                      | 465                               |
| Rented                                    | 7.9                           | 2.9                       | 7.5                                   | 283                             | 108                               | 102.8                          | 41                                    | 2,062                     | 0.79                         | 749                        | 297                               |
| 5 or More Units                           | 10.8                          | 0.8                       | 8.9                                   | 966                             | 90                                | 74.0                           | 38                                    | 9,627                     | 0.89                         | 738                        | 379                               |
| Owned                                     | 1.0                           | 0.1                       | 1.2                                   | 1,422                           | 71                                | 86.3                           | 47                                    | 15,124                    | 0.75                         | 918                        | 501                               |
| Rented                                    | 9.8                           | 0.8                       | 7.7                                   | 930                             | 93                                | 72.8                           | 37                                    | 9,188                     | 0.92                         | 719                        | 368                               |
| Mobile Homes                              | 4.6                           | 4.6                       | 3.8                                   | 82                              | 100                               | 82.1                           | 32                                    | 773                       | 0.94                         | 773                        | 303                               |
| Owned                                     | 3.6                           | 3.6                       | 3.0                                   | 83                              | 99                                | 82.7                           | 31                                    | 774                       | 0.92                         | 774                        | 293                               |
| Rented                                    | 1.0                           | 1.0                       | 0.8                                   | 80                              | 107                               | 80.1                           | 36                                    | 769                       | 1.03                         | 769                        | 342                               |

Table 1. Consumption and Expenditures in U.S. Households--Major Energy Sources (1), 1980

| Characteristics                 | Total Households<br>(million) | Residential Buildings     |                                       | Average of Major Energy Sources |                                   |                                |                                       |                           |                              |                            |                                   |
|---------------------------------|-------------------------------|---------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------------|---------------------------|------------------------------|----------------------------|-----------------------------------|
|                                 |                               | Total Number<br>(million) | Total Floorspace<br>(billion sq. ft.) | Consumption                     |                                   |                                |                                       | Expenditures              |                              |                            |                                   |
|                                 |                               |                           |                                       | per Building<br>(million Btu)   | per Square Foot<br>(thousand Btu) | per Household<br>(million Btu) | per Household Member<br>(million Btu) | per Building<br>(dollars) | per Square Foot<br>(dollars) | per Household<br>(dollars) | per Household Member<br>(dollars) |
| <b>Heated Floorspace</b>        |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| (square feet)                   |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Fewer than 600                  | 7.5                           | 3.7                       | 4.4                                   | 149                             | 127                               | 74.3                           | 37                                    | 1,371                     | 1.17                         | 683                        | 336                               |
| 600 to 999                      | 21.1                          | 13.2                      | 19.6                                  | 142                             | 95                                | 88.7                           | 37                                    | 1,172                     | 0.79                         | 733                        | 307                               |
| 1,000 to 1,599                  | 24.0                          | 20.3                      | 37.3                                  | 131                             | 71                                | 110.8                          | 39                                    | 1,054                     | 0.57                         | 892                        | 310                               |
| 1,600 to 1,999                  | 10.0                          | 9.6                       | 21.2                                  | 133                             | 60                                | 126.8                          | 41                                    | 1,069                     | 0.48                         | 1,022                      | 331                               |
| 2,000 to 2,399                  | 7.8                           | 7.6                       | 19.3                                  | 144                             | 56                                | 139.9                          | 43                                    | 1,159                     | 0.45                         | 1,127                      | 350                               |
| 2,400 to 2,999                  | 6.1                           | 6.0                       | 18.1                                  | 153                             | 51                                | 149.7                          | 45                                    | 1,198                     | 0.40                         | 1,171                      | 349                               |
| 3,000 or More                   | 5.2                           | 5.1                       | 22.6                                  | 189                             | 43                                | 184.4                          | 53                                    | 1,480                     | 0.33                         | 1,442                      | 411                               |
| <b>Number of Rooms</b>          |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| 1                               | 0.7                           | 0.1                       | 0.3                                   | 357                             | 152                               | 57.4                           | 53                                    | 3,457                     | 1.47                         | 557                        | 514                               |
| 2                               | 2.0                           | 0.8                       | 1.2                                   | 150                             | 101                               | 58.8                           | 37                                    | 1,336                     | 0.90                         | 524                        | 327                               |
| 3                               | 7.9                           | 3.3                       | 6.3                                   | 176                             | 91                                | 72.9                           | 43                                    | 1,550                     | 0.80                         | 640                        | 375                               |
| 4                               | 16.3                          | 10.5                      | 17.6                                  | 138                             | 82                                | 89.0                           | 38                                    | 1,141                     | 0.68                         | 735                        | 314                               |
| 5                               | 18.8                          | 16.4                      | 30.0                                  | 128                             | 69                                | 110.9                          | 40                                    | 1,016                     | 0.55                         | 883                        | 316                               |
| 6                               | 17.6                          | 16.4                      | 35.0                                  | 137                             | 64                                | 127.5                          | 40                                    | 1,080                     | 0.51                         | 1,008                      | 319                               |
| 7                               | 9.5                           | 9.2                       | 24.0                                  | 144                             | 55                                | 139.8                          | 41                                    | 1,173                     | 0.45                         | 1,141                      | 338                               |
| 8 or More                       | 8.9                           | 8.8                       | 28.0                                  | 169                             | 53                                | 166.7                          | 44                                    | 1,368                     | 0.43                         | 1,349                      | 357                               |
| <b>Ownership of Unit</b>        |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Owned                           | 54.3                          | 52.1                      | 112.7                                 | 131                             | 60                                | 125.2                          | 42                                    | 1,052                     | 0.49                         | 1,009                      | 340                               |
| Rented                          | 27.3                          | 13.3                      | 29.8                                  | 190                             | 84                                | 92.0                           | 37                                    | 1,567                     | 0.70                         | 760                        | 307                               |
| <b>Year of Construction</b>     |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| 1939 or Before                  | 23.3                          | 18.3                      | 43.3                                  | 169                             | 72                                | 133.3                          | 49                                    | 1,265                     | 0.54                         | 995                        | 367                               |
| 1940 to 1949                    | 7.5                           | 6.2                       | 11.9                                  | 145                             | 75                                | 119.6                          | 44                                    | 1,108                     | 0.58                         | 915                        | 339                               |
| 1950 to 1959                    | 13.7                          | 12.3                      | 23.7                                  | 136                             | 71                                | 122.0                          | 44                                    | 1,037                     | 0.54                         | 933                        | 333                               |
| 1960 to 1969                    | 15.3                          | 12.1                      | 26.2                                  | 141                             | 65                                | 111.1                          | 38                                    | 1,125                     | 0.52                         | 888                        | 302                               |
| 1970 to 1974                    | 10.5                          | 7.8                       | 17.2                                  | 129                             | 59                                | 96.1                           | 33                                    | 1,207                     | 0.55                         | 898                        | 313                               |
| 1975 to 1979                    | 9.5                           | 7.4                       | 17.2                                  | 107                             | 46                                | 83.6                           | 29                                    | 1,119                     | 0.48                         | 873                        | 301                               |
| 1980 (3)                        | 1.8                           | 1.2                       | 3.1                                   | 115                             | 44                                | 76.2                           | 30                                    | 1,202                     | 0.46                         | 797                        | 316                               |
| <b>1980 Family Income</b>       |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Less than \$5,000               | 10.4                          | 7.2                       | 12.5                                  | 142                             | 81                                | 97.9                           | 48                                    | 1,107                     | 0.63                         | 764                        | 372                               |
| \$5,000 to \$9,999              | 13.9                          | 9.9                       | 18.7                                  | 141                             | 75                                | 100.9                          | 41                                    | 1,104                     | 0.59                         | 791                        | 324                               |
| \$10,000 to \$14,999            | 13.8                          | 10.5                      | 20.8                                  | 138                             | 69                                | 104.3                          | 39                                    | 1,150                     | 0.58                         | 869                        | 326                               |
| \$15,000 to \$19,999            | 11.9                          | 9.6                       | 20.0                                  | 139                             | 66                                | 112.2                          | 37                                    | 1,139                     | 0.54                         | 918                        | 304                               |
| \$20,000 to \$24,999            | 9.9                           | 8.8                       | 19.8                                  | 143                             | 63                                | 126.3                          | 39                                    | 1,118                     | 0.50                         | 989                        | 307                               |
| \$25,000 to \$34,999            | 12.4                          | 10.9                      | 25.8                                  | 139                             | 59                                | 123.2                          | 39                                    | 1,147                     | 0.48                         | 1,014                      | 322                               |
| \$35,000 or More                | 9.4                           | 8.6                       | 24.8                                  | 158                             | 55                                | 143.4                          | 44                                    | 1,337                     | 0.46                         | 1,215                      | 376                               |
| <b>Age of Householder</b>       |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Under 25 Years                  | 26.8                          | 18.8                      | 38.4                                  | 141                             | 69                                | 98.6                           | 34                                    | 1,157                     | 0.57                         | 810                        | 280                               |
| 25 to 34 Years                  | 14.1                          | 12.2                      | 27.9                                  | 148                             | 65                                | 127.9                          | 33                                    | 1,220                     | 0.53                         | 1,057                      | 273                               |
| 35 to 44 Years                  | 18.9                          | 16.4                      | 39.0                                  | 150                             | 63                                | 129.9                          | 44                                    | 1,219                     | 0.51                         | 1,055                      | 359                               |
| 45 to 59 Years                  | 21.8                          | 18.0                      | 37.2                                  | 134                             | 65                                | 110.6                          | 58                                    | 1,056                     | 0.51                         | 872                        | 460                               |
| <b>Education of Householder</b> |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| 12 Years or Fewer               | 52.4                          | 42.0                      | 83.6                                  | 139                             | 70                                | 111.8                          | 40                                    | 1,122                     | 0.56                         | 901                        | 319                               |
| 13 to 16 Years                  | 22.3                          | 17.5                      | 42.3                                  | 146                             | 60                                | 114.6                          | 42                                    | 1,209                     | 0.50                         | 947                        | 347                               |
| 17 Years or More                | 6.9                           | 5.8                       | 16.6                                  | 155                             | 54                                | 130.0                          | 45                                    | 1,245                     | 0.44                         | 1,047                      | 359                               |
| <b>Race of Householder</b>      |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| White                           | 71.0                          | 58.1                      | 128.2                                 | 137                             | 62                                | 112.4                          | 41                                    | 1,123                     | 0.51                         | 920                        | 336                               |
| Black                           | 9.2                           | 6.2                       | 12.2                                  | 197                             | 100                               | 132.3                          | 42                                    | 1,504                     | 0.77                         | 1,010                      | 318                               |
| Other                           | 1.4                           | 1.1                       | 2.2                                   | 110                             | 54                                | 80.5                           | 22                                    | 946                       | 0.46                         | 695                        | 188                               |

Table 1. Consumption and Expenditures in U.S. Households--Major Energy Sources (1), 1980

| Characteristics                        | Total Households<br>(million) | Residential Buildings     |                                       | Average of Major Energy Sources |                                   |                                |                                       |                           |                              |                            |                                   |
|--|-------------------------------|---------------------------|---------------------------------------|---------------------------------|-----------------------------------|--------------------------------|---------------------------------------|---------------------------|------------------------------|----------------------------|-----------------------------------|
|  |                               | Total Number<br>(million) | Total Floorspace<br>(billion sq. ft.) | Consumption                     |                                   |                                |                                       | Expenditures              |                              |                            |                                   |
|  |                               |                           |                                       | per Building<br>(million Btu)   | per Square Foot<br>(thousand Btu) | per Household<br>(million Btu) | per Household Member<br>(million Btu) | per Building<br>(dollars) | per Square Foot<br>(dollars) | per Household<br>(dollars) | per Household Member<br>(dollars) |
| <b>Householder of Hispanic Descent</b> |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| Yes                                    | 3.4                           | 2.5                       | 4.7                                   | 129                             | 69                                | 95.7                           | 28                                    | 1,048                     | 0.56                         | 778                        | 225                               |
| No                                     | 78.2                          | 62.8                      | 137.8                                 | 143                             | 65                                | 114.9                          | 41                                    | 1,161                     | 0.53                         | 933                        | 336                               |
| <b>Household Size</b>                  |                               |                           |                                       |                                 |                                   |                                |                                       |                           |                              |                            |                                   |
| 1 Person                               | 15.7                          | 9.6                       | 19.4                                  | 137                             | 68                                | 84.1                           | 84                                    | 1,110                     | 0.55                         | 681                        | 681                               |
| 2 Persons                              | 26.8                          | 21.2                      | 46.1                                  | 136                             | 62                                | 107.7                          | 54                                    | 1,096                     | 0.50                         | 867                        | 433                               |
| 3 Persons                              | 35.1                          | 30.9                      | 68.2                                  | 145                             | 66                                | 127.8                          | 34                                    | 1,182                     | 0.54                         | 1,041                      | 276                               |
| 4 or More Persons                      | 1.7                           | 1.5                       | 3.5                                   | 177                             | 77                                | 155.5                          | 20                                    | 1,583                     | 0.69                         | 1,393                      | 175                               |

(1) Major Energy Sources include: electricity, natural gas, fuel oil, kerosene, and liquefied petroleum gas.

(2) Climate zones are based on annual degree-days that are averaged over 30 years from 1951 to 1980.

(3) Does not include all new construction for 1980.

Notes: • Because of rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-457 A-G of the 1980 Residential Energy Consumption Survey.