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Survey of Household Energy Use

2011

Detailed Statistical Report





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2011

Detailed Statistical Report

Canada

Natural Resources Canada's Office of Energy Efficiency
Leading Canadians to Energy Efficiency at Home, at Work and on the Road

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Enquête sur l'utilisation de l'énergie par les ménages 2011 : Rapport statistique détaillé

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Foreword

The 2011 Survey of Household Energy Use (SHEU–2011) was conducted as a joint project between Statistics Canada and Natural Resources Canada (NRCan). This survey provided an opportunity to collect detailed data on the energy consumption habits of households in Canada to be used by the Office of Energy Efficiency (OEE) at NRCan.

The OEE has periodically conducted the SHEU in a continuing effort to assess the changing characteristics of household energy consumption across Canada. The previous surveys took place in 1993, 1997, 2003 and 2007.

These surveys support the OEE's mandate to help consumers reduce energy consumption, energy spending and to lessen environmental impacts.

The primary objective of SHEU–2011 was to gather information on energy use and the factors affecting energy use in households that reside in houses and residential buildings.

More precisely, the survey collected information on

- dwelling characteristics
- number and use of appliances, electronics and other energy-consuming products
- energy efficiency characteristics
- energy consumption

The purpose of this detailed statistical report is to present the data collected through SHEU–2011 as a general overview of household energy use in Canada.

The data gathered through this survey will increase your knowledge of the various aspects of energy consumption with respect to households. The data will also enable NRCan to develop and fine-tune its ecoENERGY programs, designed to support Canadians as they seek to achieve greater energy efficiency.

For more information about this publication, the OEE or ecoENERGY programs, contact us by e-mail at euc.cec@nrcan-rncan.gc.ca.

This report was prepared by Margareta Do and James Wildsmith of the Demand Policy and Analysis Division of the OEE. Andrew Kormylo provided project leadership.

To learn more about this survey and the topics discussed in this document, contact

Office of Energy Efficiency
Natural Resources Canada
580 Booth Street, 18th Floor
Ottawa ON K1A 0E4

E-mail: euc.cec@nrcan-rncan.gc.ca

Web site: oee.nrcan.gc.ca

Office of Energy Efficiency – Surveys and publications

The Office of Energy Efficiency's (OEE's) National Energy Use Database (NEUD) is used for the development of a reliable, Canada-wide information base on energy consumption for all energy-consuming sectors. In addition to the 2011 Survey of Household Energy Use, the NEUD has undertaken a broad range of data development and analytical work. This information is available through numerous free publications that are available online and in print.

Energy Use Data Handbook, 1990 to 2011

This document provides data on Canadian energy use and greenhouse gas (GHG) emissions as well as information on major activities and relevant indicators influencing energy use. Such data form the foundation for analysis conducted by the OEE. The handbook focuses on the industrial, residential, commercial, transport and electricity generation sectors.

Energy Efficiency Trends in Canada, 1990 to 2011

This report provides an overview of Canada's secondary energy use and related GHG emissions. In addition to providing detailed information about energy intensity and energy efficiency in 2011, this report also analyzes trends from 1990 to 2011. This analysis is based on the data from the *Energy Use Data Handbook*.

Energy Consumption of Major Household Appliances Shipped in Canada, Summary Report – Trends, 1990 to 2011

This summary report outlines changes in the energy use and shipment distributions of the six major household appliances – refrigerators, freezers, dishwashers, electric ranges, clothes washers and electric clothes dryers – from 1990 to 2011. Data are collected through the cooperation of the Canadian Appliance Manufacturers Association. This report also contains shipment trend data on ENERGY STAR® qualified major appliances.

Survey of Commercial and Institutional Energy Use, 2009

This survey provided detailed information on characteristics, energy consumption and energy intensity for commercial and institutional buildings and establishments in Canada. The survey also collected data on some energy efficiency features in buildings.

Industrial Consumption of Energy, 1995 to 2011

This survey and its summary report examine the energy use in the Canadian manufacturing sector and present results that show how and where this sector uses energy. The survey focuses on energy use by fuel type in four subsectors – paper, primary metals, petroleum and coal products, and chemical manufacturing.

Canadian Vehicle Survey Summary Report, 2009

This summary report highlights the energy consumption of Canada's on-road vehicle fleet, which includes light vehicles, medium trucks and heavy trucks. The report examines the main characteristics of vehicles in Canada as well as the age of the fleet, the number of vehicle-kilometres travelled and fuel consumption.

For more information regarding these and other publications, visit the NEUD Web site at oee.nrcan.gc.ca/corporate/statistics/neud/dpa/home.cfm or contact us:

National Energy Use Database
580 Booth Street, 18th floor
Ottawa ON K1A 0E4

E-mail: euc.cec@nrcan-rncan.gc.ca

How to interpret the tables

Scope of the survey

This detailed statistical report of the 2011 Survey of Household Energy Use (SHEU–2011) presents representative data estimates for all households within all Canadian provinces. Households included in the sample reside in

- single detached houses
- double/row houses¹
- mobile homes
- low-rise apartments²
- high-rise apartments³

The survey data were collected in two separate phases.

In Phase One, survey data were collected through computer-assisted telephone interviews with dwelling owners and renters. This phase of the survey was entitled the Households and the Environment Survey (HES). The HES questionnaire covered a range of topics including household energy use characteristics, water, fertilizer and pesticide use, recycling, composting, indoor environment, recreational vehicles, outdoor equipment, purchasing decisions, and air quality. This detailed statistical report presents only HES data concerning energy use. For more information on the HES, contact Statistics Canada.

Phase Two focused on the factors affecting energy use in households. This phase collected survey data through a paper mail-back questionnaire sent to dwelling owners and renters or through the energy supplier(s) for the household. The content of this phase included questions on the dwelling characteristics, household appliances, electrical devices, heating and cooling equipment and amounts of energy consumed by the households.

For the purposes of this report, Phase Two and the energy use-related questions from Phase One are referred to as SHEU–2011.⁴

Data estimates contained in this report represent a merging of data from both phases. Natural Resources Canada merged the data in an effort to improve the data estimates for SHEU–2011.

See Appendix A for more details on the scope of the survey, survey methodology and data merging methodology.

See Appendix B for a glossary of terms used in this report.

See Appendix C for the survey questionnaires.

¹ Duplexes are included in the double/row house category in this report.

² Low-rise apartments are located in buildings with fewer than five storeys.

³ High-rise apartments are located in buildings with five or more storeys.

⁴ Statistics Canada conducted Phase Two on behalf of Natural Resources Canada, and refers to this phase as the “Households and the Environment Survey: Energy Use.”

Example of a typical table

All data in this report are presented in a data table format. A typical example of a data table is presented below.

Table 1.1 – General characteristics (1/4)

| | Number of households by region | |
|-------------------------|--------------------------------|------------------|
| | Canada | Atlantic |
| Number of households | 13,599,121 A | 979,905 A |
| Type of dwelling | | |
| Single detached house | 8,230,596 A | <u>680,445</u> A |
| Double/row house | 1,751,055 A | 89,491 A |
| Low-rise apartment | 2,059,428 A | 131,014 M |
| High-rise apartment | 994,596 A | – U |
| Mobile home | 161,459 M | – U |
| Don't know/not stated | 401,987 A | – U |

This table provides data estimates for the number of households in Canada and the Atlantic Region as well as the number of households by type of dwelling in both regions.

For example, if the reader wanted to know how many single detached houses there were in the Atlantic Region in 2011, one would look for those categories at the top and on the far left side of the table (see red arrows) and locate the data estimate that lines up with both categories (see underlined data in red). In this case, there were 680,445 single detached houses in the Atlantic Region in 2011.

In the Energy section, the data are presented in the same format using household units as well as units of energy use (gigajoules) and intensity (gigajoules per household or gigajoules per square metre).

Quality of the data

Because these data estimates, which represent more than 13 million households, were created from a respondent sample of approximately 6,000 households, the quality of the estimates must be assessed. This is done by calculating a coefficient of variation for each estimate. The results of this calculation are represented with a letter coding in the right column beside each data estimate. An example of the letter coding is circled in dark blue in the typical table presented to the left.

The letter coding is as follows:

- A** – Acceptable
- M** – Use with caution
- U** – Too unreliable to be published

Data estimates receiving a U coefficient of variation are judged to be too unreliable to be published because they either present too great a sampling error or had to be omitted to comply with the confidentiality requirements of the *Statistics Act*. Consequently, any data estimate in this publication that receives a U will have a dash where the data would normally be located.

Presentation of data

If you have any questions regarding the SHEU–2011 data estimates presented in this report or would like to request a data table that is not presented in this report at no charge, contact us:

National Energy Use Database
580 Booth St., 18th Floor
Ottawa ON K1A 0E4

E-mail: euc.cec@nrca-nrcan.gc.ca

Section 1



Characteristics of households

Table 1.1 – General characteristics (1/4)

| | Number of households by region | | | | | | | |
|---|--------------------------------|-----------|-------------|-------------|---------------------------|-------------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Number of households | 13,599,121 A | 979,905 A | 3,386,215 A | 5,063,479 A | 889,272 A | 1,448,753 A | 1,831,497 A | |
| Type of dwelling | | | | | | | | |
| Single detached house | 8,230,596 A | 680,445 A | 1,754,814 A | 3,265,249 A | 570,311 A | 985,893 A | 973,884 A | |
| Double/row house | 1,751,055 A | 89,491 A | 545,408 A | 629,222 A | 58,130 M | 133,300 M | 295,505 M | |
| Low-rise apartment | 2,059,428 A | 131,014 M | 864,671 A | 491,391 A | 113,720 M | – U | 368,928 M | |
| High-rise apartment | 994,596 A | – U | 183,316 M | 546,832 A | – U | – U | – U | |
| Mobile home | 161,459 M | – U | – U | – U | – U | – U | – U | |
| Don't know/not stated | 401,987 A | – U | – U | 113,600 M | – U | – U | – U | |
| Dwelling construction date | | | | | | | | |
| Before 1950 | 1,436,759 A | 143,861 A | 291,792 A | 652,990 A | 114,423 A | – U | 138,918 M | |
| 1950 – 1969 | 2,552,079 A | 196,948 A | 648,039 A | 973,978 A | 215,694 A | 304,106 A | 213,315 M | |
| 1970 – 1979 | 2,658,046 A | 196,516 A | 790,475 A | 844,714 A | 195,813 A | 335,884 A | 294,644 M | |
| 1980 – 1989 | 2,489,605 A | 149,772 A | 708,533 A | 955,668 A | 155,624 A | 156,644 M | 363,364 M | |
| 1990 – 1999 | 2,162,868 A | 163,520 A | 502,150 A | 760,143 A | 77,582 M | 261,643 A | 397,830 M | |
| 2000 – 2011 | 2,299,764 A | 129,288 A | 445,227 A | 875,985 A | 130,137 M | 295,701 M | 423,426 M | |
| Occupation Mode | | | | | | | | |
| Own | 10,108,874 A | 720,094 A | 2,125,927 A | 3,942,869 A | 672,495 A | 1,187,308 A | 1,460,180 A | |
| Rent | 3,490,247 A | 259,811 A | 1,260,288 A | 1,120,610 A | 216,777 A | 261,445 M | 371,317 A | |
| Number of people in the household | | | | | | | | |
| 1 member | 3,216,304 A | 218,389 A | 991,279 A | 1,077,212 A | 222,497 A | 302,135 A | 404,793 A | |
| 2 members | 4,420,644 A | 376,606 A | 1,133,025 A | 1,595,865 A | 316,757 A | 404,051 A | 594,339 A | |
| 3 members | 2,072,167 A | 183,276 A | 462,408 A | 871,120 A | 121,679 A | 236,429 A | 197,256 M | |
| 4 or more members | 3,064,287 A | 159,895 A | 635,641 A | 1,345,045 A | 181,537 A | 320,361 A | 421,808 A | |
| Not stated | 825,719 A | – U | – U | 174,237 M | – U | – U | – U | |
| Occupant demographics | | | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – U | – U | – U | |
| Households with only 25 to 44 year old members | 1,260,442 A | 59,759 M | 338,816 M | 386,330 A | 82,976 M | 147,225 M | – U | |
| Households with only 45 to 64 year old members | 2,907,760 A | 264,884 A | 824,192 A | 980,279 A | 179,327 A | 286,579 A | 372,498 A | |
| Households with only 65 + year old members | 2,002,736 A | 184,286 A | 540,934 A | 693,283 A | 168,012 A | 167,129 M | 249,091 A | |
| Households with adults and children 0 to 12 only | 2,213,003 A | 116,660 A | 503,022 A | 883,342 A | 165,213 A | 222,859 A | 321,907 M | |
| Households with adults and teens 13 to 19 only | 1,385,860 A | 95,148 A | 316,113 A | 563,576 A | 68,004 M | 128,241 M | 214,778 M | |
| Households with adults and members 0 to 12 and 13 to 19 | 553,920 A | 42,374 M | 130,782 M | 230,246 A | 45,171 M | – U | – U | |
| Other compositions | 2,349,081 A | 174,787 A | 536,801 A | 1,110,621 A | 116,363 A | 242,650 A | 167,859 M | |
| Not stated | 825,719 A | – U | – U | 174,237 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.1 – General characteristics (2/4)

| Number of households by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Number of households | 8,230,596 A | 1,751,055 A | 2,059,428 A | 994,596 A | 161,459 M | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 1,085,822 A | 130,791 M | 143,250 M | – U | – – | |
| 1950 – 1969 | 1,668,731 A | 276,863 M | 277,112 M | 165,710 M | – U | |
| 1970 – 1979 | 1,614,323 A | 309,402 A | 432,482 M | 208,079 M | – U | |
| 1980 – 1989 | 1,463,897 A | 239,551 M | 537,811 A | 190,755 M | – U | |
| 1990 – 1999 | 1,098,436 A | 339,905 M | 399,944 M | 223,928 M | – U | |
| 2000 – 2011 | 1,299,387 A | 454,543 M | 268,829 M | 177,238 M | – U | |
| Occupation Mode | | | | | | |
| Own | 7,744,637 A | 1,183,647 A | 444,123 A | 329,502 M | 152,668 A | |
| Rent | 485,959 A | 567,408 A | 1,615,305 A | 665,093 A | – U | |
| Number of people in the household | | | | | | |
| 1 member | 1,104,482 A | 352,774 A | 1,137,247 A | 481,056 A | – U | |
| 2 members | 2,678,699 A | 678,661 A | 591,505 A | 346,670 A | 39,722 M | |
| 3 members | 1,466,939 A | 276,327 A | 168,105 M | – U | – U | |
| 4 or more members | 2,465,669 A | 348,155 M | – U | – U | – U | |
| Not stated | 514,807 A | – U | – U | – U | – U | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – – | |
| Households with only 25 to 44 year old members | 390,051 A | 170,904 M | 529,764 M | – U | – U | |
| Households with only 45 to 64 year old members | 1,646,628 A | 376,898 M | 525,356 A | 229,192 A | – U | |
| Households with only 65 + year old members | 1,001,900 A | 239,719 A | 405,529 A | 287,888 M | – U | |
| Households with adults and children 0 to 12 only | 1,539,702 A | 361,216 M | 110,120 M | – U | – U | |
| Households with adults and teens 13 to 19 only | 1,082,901 A | 142,314 M | – U | – U | – U | |
| Households with adults and members 0 to 12 and 13 to 19 | 434,220 A | – U | – U | – U | – – | |
| Other compositions | 1,608,945 A | 295,591 A | 247,185 M | – U | – U | |
| Not stated | 514,807 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.1 – General characteristics (3/4)

| | Number of households by region | | | | | | | |
|---|--------------------------------|-----------|-------------|-------------|---------------------------|-------------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Dwelling part of a condominium | | | | | | | | |
| Yes | 1,155,246 A | – U | 209,926 M | 411,975 A | – U | 93,205 M | 361,367 M | |
| No | 2,520,510 A | 124,636 A | 946,629 A | 947,350 A | 173,862 A | – U | 213,017 M | |
| Valid skip | 8,746,098 A | 759,142 A | 2,030,777 A | 3,408,359 A | 576,947 A | 1,014,325 A | 956,546 A | |
| Don't know | – U | – – | – – | – U | – – | – – | – U | |
| Not stated | 1,150,355 A | 73,152 M | 198,882 M | 286,695 A | 82,664 M | 226,207 M | 282,755 M | |
| Household income | | | | | | | | |
| Less than \$20,000 | 796,774 A | 106,583 A | 291,345 M | 259,453 A | 60,181 M | – U | – U | |
| \$20,000 to less than \$40,000 | 2,028,315 A | 172,330 A | 660,580 A | 669,650 A | 121,064 A | 115,213 M | 289,479 M | |
| \$40,000 to less than \$60,000 | 1,821,171 A | 131,918 A | 574,256 A | 590,271 A | 149,682 A | 152,146 M | 222,899 M | |
| \$60,000 to less than \$80,000 | 1,733,427 A | 144,571 A | 516,199 A | 633,608 A | 93,020 A | 137,503 M | 208,526 M | |
| \$80,000 to less than \$100,000 | 1,301,037 A | 69,577 A | 282,438 A | 424,079 A | 88,895 A | 99,897 M | 336,151 M | |
| \$100,000 to less than \$150,000 | 1,699,115 A | 106,209 A | 336,611 A | 711,255 A | 108,605 A | 209,155 A | 227,280 M | |
| \$150,000 and over | 1,341,737 A | 47,780 A | 216,273 A | 610,256 A | 74,267 M | 291,308 A | 101,852 M | |
| Not stated | 2,877,544 A | 200,937 A | 508,513 A | 1,164,907 A | 193,558 A | 410,937 A | 398,692 M | |
| Highest level of education ever completed by any member of the household | | | | | | | | |
| 0 to 8 years or some secondary | 848,026 A | 106,840 A | 374,621 M | 240,886 M | 63,956 M | – U | – U | |
| Grade 11 to 13, graduate | 1,698,141 A | 163,101 A | 368,932 A | 614,132 A | 148,422 A | 134,378 M | 269,177 M | |
| Some postsecondary or postsecondary certificate or diploma | 3,299,048 A | 305,979 A | 1,100,722 A | 1,164,992 A | 194,900 A | 269,520 A | 262,935 A | |
| University | 6,762,620 A | 352,634 A | 1,329,310 A | 2,808,034 A | 420,524 A | 806,240 A | 1,045,877 A | |
| Not stated | 991,286 A | 51,351 M | 212,630 M | 235,434 M | 61,470 M | 209,403 M | – U | |
| Households with someone home all day on an average weekday | | | | | | | | |
| Yes | 6,459,260 A | 471,450 A | 1,404,311 A | 2,539,067 A | 412,233 A | 742,278 A | 889,920 A | |
| No | 6,633,022 A | 479,889 A | 1,850,174 A | 2,371,053 A | 431,743 A | 692,489 A | 807,674 A | |
| Don't know | 248,936 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 257,903 M | – U | – U | 107,646 M | – U | – U | – U | |
| Complete weeks with no one home | | | | | | | | |
| Zero | 6,223,672 A | 540,138 A | 1,479,028 A | 2,400,769 A | 382,382 A | 623,545 A | 797,811 A | |
| One to two | 2,726,173 A | 131,417 A | 644,425 A | 1,117,289 A | 177,349 A | 278,435 A | 377,257 A | |
| Three to four | 1,602,355 A | 101,860 A | 360,156 A | 578,356 A | 138,564 A | 213,898 A | 209,520 M | |
| More than four | 1,288,781 A | 75,047 A | 336,215 A | 426,311 A | 72,633 M | 181,419 M | 197,157 M | |
| Don't know | 1,373,619 A | 101,135 A | 389,507 M | 456,541 A | 105,206 M | 130,256 M | 190,973 M | |
| Not stated | 384,522 M | – U | 176,884 M | – U | – U | – U | – U | |
| How long have you lived in the dwelling? | | | | | | | | |
| 5 years or less | 5,024,257 A | 295,180 A | 1,315,728 A | 1,898,259 A | 320,504 A | 470,865 A | 723,721 A | |
| 6 to 10 years | 2,417,699 A | 151,425 A | 533,223 A | 954,329 A | 154,079 A | 295,664 A | 328,979 M | |
| 11 to 20 years | 2,780,092 A | 210,603 A | 752,533 A | 1,040,487 A | 196,759 A | 255,496 A | 324,214 A | |
| 21 to 30 years | 1,380,762 A | 137,506 A | 317,224 A | 557,622 A | 90,067 A | 153,465 M | 124,878 M | |
| More than 30 years | 1,172,052 A | 145,381 A | 303,644 A | 438,544 A | 80,592 M | 87,485 M | 116,405 M | |
| Don't know | – U | – – | – – | – – | – U | – – | – – | |
| Not stated | 823,791 A | – U | – U | 174,237 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.1 – General characteristics (4/4)

| | Number of households by type of dwelling ¹ | | | | | |
|---|---|-------------------|---------------------|----------------------|--------------|---------|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – | 417,903 | M | 413,924 | M | – |
| No | – | 357,129 | A | 1,558,279 | A | – |
| Valid skip | 7,717,718 | A | 869,209 | A | – | 159,170 |
| Don't know | – | – | U | – | U | – |
| Not stated | 512,878 | A | – | U | – | U |
| Household income | | | | | | |
| Less than \$20,000 | 217,961 | A | 97,952 | M | 348,083 | A |
| \$20,000 to less than \$40,000 | 759,126 | A | 393,124 | M | 546,347 | A |
| \$40,000 to less than \$60,000 | 1,019,538 | A | 192,216 | M | 375,767 | M |
| \$60,000 to less than \$80,000 | 1,025,413 | A | 278,024 | A | 231,199 | M |
| \$80,000 to less than \$100,000 | 836,321 | A | 196,510 | M | – | U |
| \$100,000 to less than \$150,000 | 1,377,509 | A | 133,143 | M | – | U |
| \$150,000 and over | 1,053,568 | A | 130,499 | M | – | U |
| Not stated | 1,941,160 | A | 329,587 | A | 283,763 | M |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 370,381 | A | – | U | 296,787 | M |
| Grade 11 to 13, graduate | 944,107 | A | 189,760 | M | 308,907 | M |
| Some postsecondary or postsecondary certificate or diploma | 2,007,194 | A | 361,771 | A | 539,339 | A |
| University | 4,294,688 | A | 937,949 | A | 819,691 | A |
| Not stated | 614,226 | A | – | U | – | U |
| Households with someone home all day on an average weekday | | | | | | |
| Yes | 4,223,059 | A | 840,111 | A | 659,328 | A |
| No | 3,674,961 | A | 872,415 | A | 1,278,853 | A |
| Don't know | 188,285 | M | – | U | – | U |
| Not stated | 144,291 | M | – | U | – | U |
| Complete weeks with no one home | | | | | | |
| Zero | 3,896,140 | A | 681,682 | A | 869,320 | A |
| One to two | 1,639,132 | A | 483,975 | M | 404,976 | A |
| Three to four | 959,883 | A | 212,451 | M | 237,315 | M |
| More than four | 711,454 | A | 196,014 | A | 192,887 | M |
| Don't know | 793,271 | A | 150,691 | M | 249,321 | M |
| Not stated | 230,717 | M | – | U | – | U |
| How long have you lived in the dwelling? | | | | | | |
| 5 years or less | 2,259,001 | A | 738,801 | A | 1,309,583 | A |
| 6 to 10 years | 1,567,093 | A | 303,248 | A | 293,804 | M |
| 11 to 20 years | 1,785,663 | A | 396,994 | A | 278,495 | A |
| 21 to 30 years | 1,103,366 | A | 117,631 | M | – | U |
| More than 30 years | 1,002,127 | A | 99,243 | M | – | U |
| Don't know | – | U | – | – | – | – |
| Not stated | 512,878 | A | – | U | – | U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.2 – Total heated area of dwelling (excluding garage) (1/4)

| Heated area (excluding garage) in square metres by region | | | | | | | | | | | | | | |
|---|---------------|---|-------------|---|-------------|---|---------------|---|---------------------------|---|-------------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Total heated area of dwelling (excluding garage) | 2,574,921,860 | A | 183,699,356 | A | 539,317,559 | A | 1,085,694,098 | A | 158,595,013 | A | 287,252,215 | A | 320,363,621 | A |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 1,952,247,084 | A | 145,013,291 | A | 371,588,236 | A | 851,723,391 | A | 122,339,132 | A | 234,525,312 | A | 227,057,724 | A |
| Double/row house | 267,242,595 | A | 12,240,435 | A | 69,506,815 | A | 115,501,584 | A | 7,650,658 | M | 21,168,152 | M | 41,174,951 | M |
| Low-rise apartment | 175,029,890 | A | 17,087,485 | M | 75,255,374 | A | 36,588,142 | A | 10,034,689 | M | – | U | 28,958,980 | M |
| High-rise apartment | 93,864,045 | A | – | U | 17,297,036 | M | 54,062,697 | A | – | U | – | U | – | U |
| Mobile home | 19,001,443 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know/not stated | 67,536,803 | A | – | U | – | U | 25,986,688 | M | – | U | – | U | – | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 273,338,452 | A | 27,527,417 | A | 48,553,939 | A | 136,455,841 | A | 19,480,759 | A | – | U | 21,715,637 | M |
| 1950 – 1969 | 444,440,565 | A | 35,914,889 | A | 98,116,709 | A | 183,023,079 | A | 36,919,987 | A | 50,413,013 | A | 40,052,889 | M |
| 1970 – 1979 | 490,665,385 | A | 37,437,933 | A | 131,661,164 | A | 177,180,010 | A | 34,433,044 | A | 62,335,632 | M | 47,617,602 | M |
| 1980 – 1989 | 454,584,455 | A | 28,559,934 | A | 102,393,789 | A | 207,846,072 | A | 27,619,496 | A | 31,130,826 | M | 57,034,338 | M |
| 1990 – 1999 | 398,980,429 | A | 28,652,458 | A | 73,035,639 | A | 157,909,392 | A | 14,706,662 | M | 62,657,838 | A | 62,018,441 | M |
| 2000 – 2011 | 512,912,574 | A | 25,606,725 | A | 85,556,319 | M | 223,279,704 | A | 25,435,065 | M | 61,110,047 | A | 91,924,714 | M |
| Occupation Mode | | | | | | | | | | | | | | |
| Own | 2,253,649,884 | A | 153,806,954 | A | 429,494,033 | A | 981,398,338 | A | 140,135,508 | A | 266,133,884 | A | 282,681,167 | A |
| Rent | 321,271,976 | A | 29,892,402 | A | 109,823,526 | A | 104,295,760 | A | 18,459,504 | A | 21,118,331 | M | 37,682,454 | M |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 427,757,251 | A | 31,481,899 | A | 115,074,098 | A | 159,271,164 | A | 25,657,483 | A | 43,877,394 | A | 52,395,214 | A |
| 2 members | 811,629,090 | A | 71,702,962 | A | 177,806,389 | A | 315,269,059 | A | 54,816,847 | A | 85,767,658 | A | 106,266,175 | A |
| 3 members | 419,590,780 | A | 39,335,464 | A | 77,924,624 | A | 193,267,571 | A | 25,957,354 | A | 48,713,962 | A | 34,391,805 | M |
| 4 or more members | 759,250,354 | A | 34,101,370 | A | 130,544,799 | A | 377,567,246 | A | 41,053,034 | A | 76,818,995 | A | 99,164,911 | A |
| Not stated | 156,694,386 | A | – | U | – | U | 40,319,058 | M | – | U | – | U | – | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Households with only 25 to 44 year old members | 163,058,829 | A | 6,812,131 | M | 35,967,769 | M | 63,529,693 | M | 11,863,357 | M | 16,316,972 | M | – | U |
| Households with only 45 to 64 year old members | 509,407,145 | A | 51,552,612 | A | 116,928,266 | A | 186,946,502 | A | 28,585,451 | A | 60,498,547 | A | 64,895,768 | A |
| Households with only 65 + year old members | 329,394,797 | A | 29,529,228 | A | 78,781,666 | A | 120,317,253 | A | 25,083,211 | A | 34,461,074 | M | 41,222,364 | A |
| Households with adults and children 0 to 12 only | 463,028,364 | A | 23,846,491 | A | 90,060,584 | A | 203,612,337 | A | 31,695,934 | A | 48,092,177 | A | 65,720,841 | M |
| Households with adults and teens 13 to 19 only | 311,155,156 | A | 19,689,661 | A | 59,351,848 | A | 143,848,073 | A | 15,051,614 | M | 30,029,959 | M | 43,184,002 | M |
| Households with adults and members 0 to 12 and 13 to 19 | 133,306,518 | A | 10,807,269 | M | 26,118,634 | M | 62,375,879 | M | 10,468,676 | M | – | U | – | U |
| Other compositions | 500,957,940 | A | 34,354,433 | A | 92,410,126 | A | 261,693,859 | A | 22,976,867 | A | 49,853,874 | A | 39,668,781 | M |
| Not stated | 156,694,386 | A | – | U | – | U | 40,319,058 | M | – | U | – | U | – | U |
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | 134,176,328 | A | – | U | 20,964,558 | M | 53,204,345 | A | – | U | 10,443,569 | M | 40,664,734 | M |
| No | 239,004,995 | A | 16,141,371 | M | 85,894,418 | A | 96,503,058 | A | 13,696,312 | A | – | U | 17,677,305 | M |
| Valid skip | 1,981,913,329 | A | 153,871,883 | A | 389,106,732 | A | 868,804,575 | A | 119,499,605 | A | 228,908,722 | A | 221,721,812 | A |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 216,971,920 | A | 10,798,595 | M | – | U | 66,083,058 | A | 19,387,482 | M | 38,807,392 | M | 38,543,541 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.2 – Total heated area of dwelling (excluding garage) (2/4)

| Heated area (excluding garage) in square metres by type of dwelling ¹ | | | | | | | | | | |
|--|------------------------|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | |
| Total heated area of dwelling (excluding garage) | 1,952,247,084 | A | 267,242,595 | A | 175,029,890 | A | 93,864,045 | A | 19,001,443 | M |
| Type of dwelling | | | | | | | | | | |
| Single detached house | | | | | | | | | | |
| Double/row house | | | | | | | | | | |
| Low-rise apartment | | | | | | | | | | |
| High-rise apartment | | | | | | | | | | |
| Mobile home | | | | | | | | | | |
| Don't know/not stated | | | | | | | | | | |
| Dwelling construction date | | | | | | | | | | |
| Before 1950 | 227,599,782 | A | 22,035,075 | M | 12,252,147 | M | - | U | - | - |
| 1950 – 1969 | 345,903,525 | A | 37,171,216 | M | 25,902,058 | M | 13,344,913 | M | - | U |
| 1970 – 1979 | 375,761,452 | A | 43,914,426 | A | 35,304,637 | M | 20,457,415 | M | - | U |
| 1980 – 1989 | 349,269,217 | A | 35,546,465 | M | 41,579,560 | A | 17,869,718 | M | - | U |
| 1990 – 1999 | 279,708,952 | A | 52,251,895 | A | 34,154,618 | M | 20,764,325 | M | - | U |
| 2000 – 2011 | 374,004,156 | A | 76,323,517 | M | 25,836,869 | M | - | U | - | U |
| Occupation Mode | | | | | | | | | | |
| Own | 1,890,584,574 | A | 212,580,877 | A | 40,342,521 | A | 36,656,547 | M | 18,024,817 | M |
| Rent | 61,662,510 | M | 54,661,718 | A | 134,687,369 | A | 57,207,498 | A | - | U |
| Number of people in the household | | | | | | | | | | |
| 1 member | 227,469,437 | A | 46,913,127 | A | 95,186,942 | A | 40,403,068 | A | - | U |
| 2 members | 601,212,405 | A | 102,499,751 | A | 50,226,673 | A | 36,156,370 | M | 4,817,755 | M |
| 3 members | 337,145,628 | A | 44,529,664 | M | 14,223,079 | M | - | U | - | U |
| 4 or more members | 666,816,973 | A | 56,046,799 | M | - | U | - | U | - | U |
| Not stated | 119,602,640 | M | - | U | - | U | - | U | - | U |
| Occupant demographics | | | | | | | | | | |
| Households with only 18 to 24 year old members | - | U | - | U | - | U | - | U | - | - |
| Households with only 25 to 44 year old members | 77,133,481 | A | - | U | 44,490,457 | M | - | U | - | U |
| Households with only 45 to 64 year old members | 373,566,546 | A | 50,563,110 | A | 46,013,872 | A | 19,952,345 | M | - | U |
| Households with only 65 + year old members | 217,156,871 | A | 37,469,106 | A | 34,587,811 | A | 29,258,500 | M | - | U |
| Households with adults and children 0 to 12 only | 371,425,783 | A | 54,717,201 | M | 10,494,604 | M | - | U | - | U |
| Households with adults and teens 13 to 19 only | 273,852,184 | A | 22,801,755 | M | - | U | - | U | - | U |
| Households with adults and members 0 to 12 and 13 to 19 | 114,589,151 | A | - | U | - | U | - | U | - | - |
| Other compositions | 402,998,430 | A | 49,510,209 | M | 21,262,235 | M | - | U | - | U |
| Not stated | 119,602,640 | M | - | U | - | U | - | U | - | U |
| Dwelling part of a condominium | | | | | | | | | | |
| Yes | - | - | 65,602,746 | M | 36,853,638 | A | 31,719,943 | M | - | - |
| No | - | - | 52,737,321 | A | 131,194,435 | A | 55,073,239 | A | - | - |
| Valid skip | 1,833,153,122 | A | 130,125,527 | A | - | - | - | - | 18,634,680 | M |
| Don't know | - | - | - | U | - | U | - | U | - | - |
| Not stated | 119,093,963 | M | - | U | - | U | - | U | - | U |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.2 – Total heated area of dwelling (excluding garage) (3/4)

| Heated area (excluding garage) in square metres by region | | | | | | | | | | | | |
|---|---------------|---|-------------|---|-------------|---|-------------|---|---------------------------|---------|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Household income | | | | | | | | | | | | |
| Less than \$20,000 | 94,267,874 | A | 14,860,820 | A | 30,698,370 | M | 31,377,341 | M | 7,294,782 | M | – | U |
| \$20,000 to less than \$40,000 | 274,462,770 | A | 24,252,466 | A | 79,376,701 | A | 101,401,609 | A | 15,559,908 | A | 18,295,913 | M |
| \$40,000 to less than \$60,000 | 291,674,344 | A | 22,859,617 | A | 85,293,714 | A | 106,459,752 | A | 21,567,629 | A | 21,772,997 | M |
| \$60,000 to less than \$80,000 | 310,602,325 | A | 30,927,365 | A | 78,794,909 | A | 123,300,950 | A | 16,871,419 | A | 25,010,355 | M |
| \$80,000 to less than \$100,000 | 251,608,255 | A | 14,730,101 | A | 49,529,810 | A | 87,746,000 | A | 16,508,809 | A | 20,766,581 | M |
| \$100,000 to less than \$150,000 | 381,087,299 | A | 24,866,226 | A | 71,064,584 | A | 165,065,868 | A | 22,826,088 | A | 51,090,046 | M |
| \$150,000 and over | 361,110,480 | A | 12,018,850 | A | 52,165,738 | A | 181,741,855 | A | 18,477,639 | M | 65,580,461 | M |
| Not stated | 610,108,514 | A | 39,183,912 | A | 92,393,733 | M | 288,600,722 | A | 39,488,739 | A | 80,148,402 | A |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 112,019,573 | A | 17,027,686 | A | 42,994,661 | M | 36,221,312 | M | 7,715,893 | M | – | U |
| Grade 11 to 13, graduate | 292,625,514 | A | 28,593,168 | A | 48,699,989 | A | 109,552,095 | A | 23,191,596 | A | 27,975,578 | M |
| Some postsecondary or postsecondary certificate or diploma | 588,196,602 | A | 56,328,618 | A | 174,283,013 | A | 219,399,213 | A | 33,424,861 | A | 52,344,004 | A |
| University | 1,392,137,604 | A | 73,192,776 | A | 226,404,255 | A | 666,838,427 | A | 80,032,100 | A | 167,068,384 | A |
| Not stated | 189,942,566 | A | 8,557,108 | M | – | U | 53,683,051 | M | 14,230,563 | M | 36,383,715 | M |
| Households with someone home all day on an average weekday | | | | | | | | | | | | |
| Yes | 1,300,265,352 | A | 91,323,790 | A | 225,331,335 | A | 584,476,625 | A | 73,889,651 | A | 160,468,280 | A |
| No | 1,159,537,223 | A | 87,762,540 | A | 283,389,402 | A | 463,928,060 | A | 72,903,798 | A | 123,816,706 | A |
| Don't know | 64,718,175 | M | – | U | – | U | – | U | – | U | – | U |
| Not stated | 50,401,111 | M | – | U | – | U | 26,309,995 | M | – | U | – | U |
| Complete weeks with no one home | | | | | | | | | | | | |
| Zero | 1,169,463,821 | A | 101,573,964 | A | 230,580,236 | A | 522,552,836 | A | 65,134,447 | A | 120,030,278 | A |
| One to two | 517,343,436 | A | 26,399,102 | A | 101,515,618 | A | 241,406,969 | A | 28,838,826 | A | 56,704,497 | M |
| Three to four | 324,338,907 | A | 20,171,304 | A | 62,289,345 | A | 125,577,507 | A | 31,248,785 | A | 48,183,795 | A |
| More than four | 235,286,931 | A | 14,058,474 | A | 53,986,271 | A | 85,527,651 | A | 10,904,515 | M | 33,851,083 | M |
| Don't know | 265,015,963 | A | 17,130,026 | A | 64,750,343 | M | 92,130,045 | A | 19,683,906 | M | 24,704,604 | M |
| Not stated | 63,472,803 | A | – | U | 26,195,745 | M | – | U | – | U | – | U |
| How long have you lived in the dwelling? | | | | | | | | | | | | |
| 5 years or less | 821,002,820 | A | 50,433,918 | A | 174,229,392 | A | 355,215,144 | A | 48,195,982 | A | 74,147,829 | A |
| 6 to 10 years | 475,527,247 | A | 28,451,965 | A | 87,232,210 | A | 215,418,328 | A | 25,044,691 | A | 66,465,141 | A |
| 11 to 20 years | 555,509,046 | A | 42,051,032 | A | 117,908,506 | A | 227,586,107 | A | 37,943,675 | A | 60,504,347 | A |
| 21 to 30 years | 304,425,278 | A | 28,575,049 | A | 63,016,897 | A | 133,751,485 | A | 19,279,651 | A | 33,109,131 | M |
| More than 30 years | 262,186,996 | A | 27,618,407 | A | 58,962,905 | A | 113,403,976 | M | 16,935,954 | M | – | U |
| Don't know | – | U | – | – | – | – | – | – | – | U | – | – |
| Not stated | 156,185,708 | A | – | U | – | U | 40,319,058 | M | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 1.2 – Total heated area of dwelling (excluding garage) (4/4)

| Heated area (excluding garage) in square metres by type of dwelling ¹ | | | | | | | | | | | |
|--|------------------------|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|--|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | | |
| Household income | | | | | | | | | | | |
| Less than \$20,000 | 40,600,183 | A | 12,705,241 | M | 28,455,306 | A | 10,476,743 | M | - | U | |
| \$20,000 to less than \$40,000 | 149,297,983 | A | 46,330,221 | M | 49,083,515 | M | 18,282,884 | M | - | U | |
| \$40,000 to less than \$60,000 | 209,587,858 | A | 26,410,129 | A | 30,812,898 | A | 16,227,689 | M | - | U | |
| \$60,000 to less than \$80,000 | 219,938,181 | A | 45,850,178 | A | 17,771,519 | M | - | U | - | U | |
| \$80,000 to less than \$100,000 | 197,229,780 | A | 27,308,933 | M | - | U | - | U | - | U | |
| \$100,000 to less than \$150,000 | 325,005,235 | A | 25,550,897 | M | - | U | - | U | - | U | |
| \$150,000 and over | 315,472,553 | A | 25,889,197 | M | - | U | - | U | - | U | |
| Not stated | 495,115,311 | A | 57,197,799 | M | 22,059,222 | A | 17,859,435 | M | - | U | |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | |
| 0 to 8 years or some secondary | 65,960,550 | A | 15,542,119 | M | 25,992,726 | M | - | U | - | U | |
| Grade 11 to 13, graduate | 214,280,701 | A | 25,375,646 | M | 25,863,065 | M | 17,369,011 | M | - | U | |
| Some postsecondary or postsecondary certificate or diploma | 447,845,948 | A | 50,066,394 | A | 47,721,481 | A | 20,048,759 | M | 9,528,601 | M | |
| University | 1,080,848,579 | A | 155,056,304 | A | 67,698,308 | A | 46,496,145 | M | - | U | |
| Not stated | 143,311,307 | A | - | U | - | U | - | U | - | U | |
| Households with someone home all day on an average weekday | | | | | | | | | | | |
| Yes | 1,025,545,093 | A | 129,116,829 | A | 54,712,842 | A | 46,137,080 | M | 10,892,536 | M | |
| No | 832,578,262 | A | 132,864,503 | A | 107,600,894 | A | 46,949,181 | A | - | U | |
| Don't know | - | U | - | U | - | U | - | U | - | - | |
| Not stated | 35,933,429 | M | - | U | - | U | - | U | - | U | |
| Complete weeks with no one home | | | | | | | | | | | |
| Zero | 909,123,096 | A | 99,806,302 | A | 72,501,289 | A | 41,687,860 | M | 13,109,059 | M | |
| One to two | 385,164,389 | A | 72,871,297 | M | 32,710,617 | A | 10,958,079 | M | - | U | |
| Three to four | 244,073,906 | A | 36,861,539 | M | 21,340,293 | M | 13,145,491 | M | - | U | |
| More than four | 164,454,592 | A | 32,050,296 | M | 19,131,676 | M | 14,170,303 | M | - | U | |
| Don't know | 203,293,787 | A | 21,638,016 | M | 19,900,649 | M | - | U | - | U | |
| Not stated | 46,137,315 | M | - | U | - | U | - | U | - | U | |
| How long have you lived in the dwelling? | | | | | | | | | | | |
| 5 years or less | 522,737,830 | A | 109,442,608 | A | 111,532,722 | A | 46,683,435 | A | 9,220,196 | M | |
| 6 to 10 years | 375,770,840 | A | 47,001,579 | A | 25,828,582 | M | 15,654,506 | M | - | U | |
| 11 to 20 years | 433,871,688 | A | 57,752,529 | A | 23,324,933 | M | 22,959,655 | M | - | U | |
| 21 to 30 years | 265,847,397 | A | 20,399,777 | M | - | U | - | U | - | U | |
| More than 30 years | 234,840,602 | A | 15,392,848 | M | - | U | - | U | - | U | |
| Don't know | - | U | - | - | - | - | - | - | - | - | |
| Not stated | 119,093,963 | M | - | U | - | U | - | U | - | U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 2



Energy profile of households

Table 2.1 – Energy profile (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Main heating energy source | | | | | | | | | | | | | | |
| Electricity | 5,141,458 | A | 455,295 | A | 2,708,295 | A | 815,422 | A | 252,893 | A | – | U | 832,410 | A |
| Natural gas | 5,815,920 | A | – | U | 130,043 | M | 3,317,817 | A | 506,960 | A | 1,087,486 | A | 767,657 | A |
| Heating oil | 765,997 | A | 281,207 | A | 252,086 | M | 192,587 | A | – | U | – | U | 32,154 | M |
| Wood | 398,173 | A | 143,592 | A | 118,791 | M | 69,208 | M | – | U | – | U | 52,542 | M |
| Propane | 126,937 | M | – | U | – | U | 60,027 | M | – | U | – | U | – | U |
| Other | – | U | – | U | – | U | – | U | – | U | – | – | – | U |
| Dual source | 381,723 | A | 54,891 | A | 98,756 | M | 108,528 | M | – | U | 71,857 | M | – | U |
| Don't know | 490,869 | A | – | U | – | U | 328,697 | M | – | U | – | U | – | U |
| Not stated | 422,214 | M | – | U | – | U | 143,261 | M | – | U | – | U | – | U |
| Type of energy source used by household | | | | | | | | | | | | | | |
| Electricity | 13,599,121 | A | 979,905 | A | 3,386,215 | A | 5,063,479 | A | 889,272 | A | 1,448,753 | A | 1,831,497 | A |
| Natural gas | 7,100,337 | A | – | U | 278,631 | A | 3,809,965 | A | 617,375 | A | 1,260,242 | A | 1,120,002 | A |
| Heating oil | 1,072,171 | A | 395,239 | A | 372,883 | A | 246,905 | A | – | U | – | U | 44,443 | M |
| Wood | 1,741,904 | A | 312,739 | A | 661,647 | A | 460,522 | A | 57,175 | M | 114,208 | M | 135,612 | M |
| Propane | 494,949 | A | 78,607 | A | 155,989 | M | 157,398 | M | – | U | – | U | – | U |
| Solar or wind power | 67,496 | M | – | U | – | U | – | U | – | – | – | U | – | U |
| Other | 98,056 | M | – | U | – | U | – | U | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 2.1 – Energy profile (2/2)

| | Number of households by type of dwelling ¹ | | | | | | | | | |
|--|---|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | |
| Main heating energy source | | | | | | | | | | |
| Electricity | 2,245,598 | A | 764,951 | A | 1,401,381 | A | 585,348 | A | - | U |
| Natural gas | 4,368,492 | A | 792,891 | A | 251,644 | M | 159,064 | M | - | U |
| Heating oil | 562,138 | A | - | U | - | U | - | U | - | U |
| Wood | 372,320 | A | - | U | - | U | - | - | - | U |
| Propane | 111,767 | M | - | U | - | U | - | - | - | U |
| Other | - | U | - | U | - | U | - | U | - | - |
| Dual source | 312,880 | A | - | U | - | U | - | - | - | U |
| Don't know | - | U | - | U | 237,933 | M | 199,550 | M | - | U |
| Not stated | 203,937 | M | - | U | - | U | - | U | - | - |
| Type of energy source used by household | | | | | | | | | | |
| Electricity | 8,230,596 | A | 1,751,055 | A | 2,059,428 | A | 994,596 | A | 161,459 | M |
| Natural gas | 5,014,155 | A | 982,048 | A | 479,221 | A | 325,061 | M | 102,996 | M |
| Heating oil | 827,756 | A | 120,865 | M | - | U | - | U | - | U |
| Wood | 1,587,360 | A | - | U | - | U | - | - | - | U |
| Propane | 430,008 | A | - | U | - | U | - | - | - | U |
| Solar or wind power | 52,199 | M | - | U | - | U | - | - | - | U |
| Other | 55,368 | M | - | U | - | U | - | U | - | U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 3



Energy consumption and intensity

Table 3.1 – Total energy consumption (1/4)

| Gigajoules (GJ) of energy consumed by region | | | | | | | | | | | | | | |
|---|---------------|---|-------------|---|-------------|---|-------------|---|---------------------------|---|-------------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Total energy consumption | 1,431,530,934 | A | 102,277,829 | A | 314,044,762 | A | 564,475,932 | A | 93,721,370 | A | 190,218,226 | A | 166,792,815 | A |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 1,102,766,918 | A | 81,751,638 | A | 227,757,442 | A | 455,451,846 | A | 71,945,994 | A | 150,147,739 | A | 115,712,259 | A |
| Double/row house | 149,480,266 | A | 7,654,873 | M | 40,290,024 | A | 60,151,759 | A | – | U | 14,577,756 | M | 21,436,723 | M |
| Low-rise apartment | 79,607,172 | A | 8,246,830 | M | 35,160,658 | A | 14,463,601 | A | 5,568,788 | M | – | U | 12,891,036 | M |
| High-rise apartment | 42,106,449 | M | – | U | – | U | 18,849,993 | M | – | U | – | U | – | U |
| Mobile home | 18,032,373 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know/not stated | 39,537,757 | A | – | U | – | U | 13,123,050 | M | – | U | – | U | – | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 174,992,711 | A | 18,770,849 | A | 29,510,430 | A | 84,826,101 | A | 14,114,665 | A | – | U | 13,967,414 | M |
| 1950 – 1969 | 271,778,089 | A | 20,179,247 | A | 67,772,953 | A | 97,645,915 | A | 23,621,646 | A | 38,021,176 | A | 24,537,152 | M |
| 1970 – 1979 | 285,224,347 | A | 21,727,850 | A | 77,667,028 | A | 101,906,120 | A | 17,510,499 | A | 41,943,543 | A | 24,469,307 | M |
| 1980 – 1989 | 247,223,314 | A | 15,691,854 | A | 58,176,085 | A | 104,533,047 | A | 15,650,893 | A | 20,271,972 | M | 32,899,464 | M |
| 1990 – 1999 | 205,052,209 | A | 14,001,920 | A | 41,103,692 | A | 72,677,177 | A | 8,079,207 | M | 35,783,935 | A | 33,406,278 | M |
| 2000 – 2011 | 247,260,264 | A | 11,906,108 | A | 39,814,575 | A | 102,887,573 | A | 14,744,459 | M | 40,394,349 | A | 37,513,201 | M |
| Heated area of dwelling excluding garage | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | 37,071,585 | A | – | U | 15,599,494 | M | 9,451,902 | M | – | U | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 107,102,509 | A | 10,886,068 | A | 24,577,680 | A | 20,770,609 | A | 9,683,532 | M | 15,574,942 | M | 25,609,678 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 165,887,240 | A | 13,258,616 | A | 49,563,274 | M | 47,139,599 | A | 10,484,023 | M | 20,697,276 | M | 24,744,452 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 259,429,311 | A | 16,937,931 | A | 73,966,313 | A | 94,330,698 | A | 18,682,162 | A | 24,546,671 | M | 30,965,535 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 289,934,095 | A | 19,903,489 | A | 76,546,613 | A | 99,503,093 | A | 22,595,037 | A | 45,939,127 | A | 25,446,736 | M |
| 232 or more square metres (2,501 or more square feet) | 572,106,194 | A | 39,616,689 | A | 73,791,389 | A | 293,280,030 | A | 29,688,496 | A | 81,605,130 | A | 54,124,460 | A |
| Occupation mode | | | | | | | | | | | | | | |
| Own | 1,248,863,670 | A | 86,211,855 | A | 248,606,573 | A | 514,208,467 | A | 82,166,860 | A | 170,949,147 | A | 146,720,767 | A |
| Rent | 182,667,264 | A | 16,065,973 | A | 65,438,189 | A | 50,267,465 | A | 11,554,509 | A | 19,269,079 | M | 20,072,047 | A |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 227,951,842 | A | 16,740,451 | A | 58,786,527 | A | 77,324,889 | A | 16,959,763 | A | 29,127,220 | A | 29,012,991 | A |
| 2 members | 472,199,756 | A | 41,755,011 | A | 119,683,813 | A | 165,591,208 | A | 33,240,436 | A | 56,962,591 | A | 54,966,698 | A |
| 3 members | 239,909,165 | A | 21,596,917 | A | 47,785,619 | A | 99,732,992 | A | 13,731,977 | A | 35,369,915 | A | 21,691,746 | M |
| 4 or more members | 417,351,104 | A | 18,415,045 | A | 76,264,102 | A | 200,374,093 | A | 25,141,529 | A | 49,886,864 | A | 47,269,471 | A |
| Not stated | 74,119,066 | A | – | U | – | U | 21,452,749 | M | – | U | – | U | – | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Households with only 25 to 44 year old members | 87,787,587 | A | 2,843,129 | M | 23,258,076 | M | 29,640,041 | M | 6,963,513 | M | 11,405,465 | M | – | U |
| Households with only 45 to 64 year old members | 286,990,080 | A | 30,257,005 | A | 65,169,755 | A | 97,834,891 | A | 19,375,961 | A | 38,393,024 | A | 35,959,443 | A |
| Households with only 65 + year old members | 188,424,675 | A | 16,153,568 | A | 49,316,927 | A | 62,731,311 | A | 14,952,396 | A | 23,372,061 | M | 21,898,412 | A |
| Households with adults and children 0 to 12 only | 248,647,498 | A | 12,604,978 | A | 51,488,764 | A | 105,420,624 | A | 15,803,753 | A | 32,482,181 | A | 30,847,199 | M |
| Households with adults and teens 13 to 19 only | 175,420,525 | A | 11,565,142 | A | 35,617,100 | A | 73,098,252 | A | 10,227,948 | M | 19,593,329 | M | 25,318,752 | M |
| Households with adults and members 0 to 12 and 13 to 19 | 74,293,382 | A | 5,559,270 | M | 14,750,730 | M | 32,982,413 | M | 6,813,553 | M | – | U | – | U |
| Other compositions | 291,466,393 | A | 19,498,905 | A | 61,871,232 | A | 140,342,325 | A | 13,492,355 | A | 36,734,619 | A | 19,526,957 | M |
| Not stated | 74,119,066 | A | – | U | – | U | 21,452,749 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.1 – Total energy consumption (2/4)

| Gigajoules (GJ) of energy consumed by type of dwelling ¹ | | | | | | | | | | |
|---|------------------------|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | |
| Total energy consumption | 1,102,766,918 | A | 149,480,266 | A | 79,607,172 | A | 42,106,449 | M | 18,032,373 | M |
| Type of dwelling | | | | | | | | | | |
| Single detached house | | | | | | | | | | |
| Double/row house | | | | | | | | | | |
| Low-rise apartment | | | | | | | | | | |
| High-rise apartment | | | | | | | | | | |
| Mobile home | | | | | | | | | | |
| Don't know/not stated | | | | | | | | | | |
| Dwelling construction date | | | | | | | | | | |
| Before 1950 | 149,305,576 | A | 13,109,008 | M | 7,077,869 | M | - | U | - | - |
| 1950 – 1969 | 216,986,043 | A | 23,847,455 | M | 11,115,587 | M | 4,680,829 | M | - | U |
| 1970 – 1979 | 225,962,429 | A | 25,469,784 | A | 12,381,953 | M | 9,512,989 | M | - | U |
| 1980 – 1989 | 196,694,360 | A | 19,034,765 | M | 20,139,421 | M | - | U | - | U |
| 1990 – 1999 | 144,256,578 | A | 29,236,506 | M | 15,026,617 | M | 7,914,373 | M | - | U |
| 2000 – 2011 | 169,561,932 | A | 38,782,747 | M | 13,865,726 | M | - | U | - | U |
| Heated area of dwelling excluding garage | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | - | U | - | U | 17,677,306 | M | - | U | - | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 24,634,093 | A | 17,246,702 | M | 34,184,356 | A | 18,220,675 | M | - | U |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 85,392,263 | A | 32,058,374 | A | 18,400,750 | A | - | U | - | U |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 200,601,320 | A | 41,053,566 | A | 5,195,024 | M | - | U | - | U |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 253,400,251 | A | 25,201,775 | M | - | U | - | U | - | U |
| 232 or more square metres (2,501 or more square feet) | 530,085,755 | A | 26,527,959 | M | - | U | - | U | - | U |
| Occupation mode | | | | | | | | | | |
| Own | 1,051,161,669 | A | 111,140,970 | A | 22,642,002 | M | 17,256,943 | M | 16,813,875 | M |
| Rent | 51,605,248 | M | 38,339,296 | A | 56,965,170 | A | 24,849,505 | M | - | U |
| Number of people in the household | | | | | | | | | | |
| 1 member | 131,078,148 | A | 24,947,318 | A | 39,988,730 | A | 17,626,343 | M | - | U |
| 2 members | 356,786,588 | A | 60,989,194 | A | 25,676,503 | A | 15,590,922 | M | 4,362,106 | M |
| 3 members | 197,163,855 | A | 23,254,734 | M | 6,774,092 | M | - | U | - | U |
| 4 or more members | 365,985,520 | A | 30,793,955 | M | - | U | - | U | - | U |
| Not stated | 51,752,806 | A | - | U | - | U | - | U | - | U |
| Occupant demographics | | | | | | | | | | |
| Households with only 18 to 24 year old members | - | U | - | U | - | U | - | U | - | - |
| Households with only 25 to 44 year old members | 45,221,551 | A | - | U | 19,043,095 | M | - | U | - | U |
| Households with only 45 to 64 year old members | 218,972,835 | A | 28,510,691 | M | 16,841,723 | A | 8,622,415 | M | - | U |
| Households with only 65 + year old members | 127,103,773 | A | 21,338,775 | A | 19,159,171 | M | - | U | - | U |
| Households with adults and children 0 to 12 only | 202,149,663 | A | 29,070,722 | M | 4,950,801 | M | - | U | - | U |
| Households with adults and teens 13 to 19 only | 154,264,890 | A | 13,116,951 | M | - | U | - | U | - | U |
| Households with adults and members 0 to 12 and 13 to 19 | 62,984,587 | A | - | U | - | U | - | U | - | - |
| Other compositions | 239,048,481 | A | 27,232,923 | M | 10,371,407 | M | - | U | - | U |
| Not stated | 51,752,806 | A | - | U | - | U | - | U | - | U |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.1 – Total energy consumption (3/4)

| Gigajoules (GJ) of energy consumed by region | | | | | | | | | | | | | | |
|---|---------------|---|------------|---|-------------|---|-------------|---|---------------------------|---|-------------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | 64,298,015 | A | – | U | 8,472,190 | M | 22,701,899 | A | – | U | 6,174,707 | M | 20,576,104 | M |
| No | 112,279,259 | A | 7,753,854 | M | 43,108,966 | A | 40,162,452 | A | 7,069,668 | M | – | U | 6,614,262 | M |
| Valid skip | 1,145,597,176 | A | 88,090,130 | A | 248,477,434 | A | 466,230,684 | A | 72,489,063 | A | 152,255,423 | A | 118,054,441 | A |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 107,558,692 | A | 5,284,474 | M | 13,986,172 | M | 34,471,792 | A | 8,938,894 | M | 24,218,039 | M | 20,659,321 | M |
| Household income | | | | | | | | | | | | | | |
| Less than \$20,000 | 51,858,559 | A | 9,568,123 | A | 15,868,550 | M | 14,689,143 | M | 5,351,923 | M | – | U | – | U |
| \$20,000 to less than \$40,000 | 160,102,080 | A | 15,726,767 | A | 48,478,297 | M | 50,734,708 | A | 10,412,791 | A | 14,164,198 | M | 20,585,318 | M |
| \$40,000 to less than \$60,000 | 170,227,173 | A | 13,367,197 | A | 55,382,238 | A | 55,424,648 | A | 14,098,215 | A | 13,315,953 | M | 18,638,922 | M |
| \$60,000 to less than \$80,000 | 182,848,201 | A | 17,085,791 | A | 53,579,688 | A | 67,938,887 | A | 10,202,591 | A | 16,411,274 | M | 17,629,970 | M |
| \$80,000 to less than \$100,000 | 139,979,423 | A | 8,615,432 | A | 32,314,556 | A | 46,036,610 | A | 9,814,528 | A | 13,499,683 | M | 29,698,614 | M |
| \$100,000 to less than \$150,000 | 214,153,827 | A | 11,426,175 | A | 40,660,763 | A | 85,680,774 | A | 15,159,482 | A | 33,671,994 | A | 27,554,639 | M |
| \$150,000 and over | 189,985,166 | A | 5,708,003 | M | 29,678,958 | A | 84,679,609 | A | 11,324,635 | M | 44,646,920 | A | 13,947,041 | M |
| Not stated | 322,376,506 | A | 20,780,341 | A | 38,081,713 | A | 159,291,554 | A | 17,357,205 | A | 50,488,408 | A | 36,377,285 | A |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 78,966,999 | A | 10,399,493 | A | 35,376,970 | M | 21,833,039 | M | 5,345,057 | M | – | U | – | U |
| Grade 11 to 13, graduate | 164,136,866 | A | 17,259,843 | A | 29,561,213 | A | 59,778,512 | A | 14,412,576 | A | 17,848,763 | M | 25,275,959 | M |
| Some postsecondary or postsecondary certificate or diploma | 341,743,297 | A | 32,503,112 | A | 109,437,420 | A | 114,246,353 | A | 23,224,871 | A | 36,374,332 | A | 25,957,209 | A |
| University | 754,112,054 | A | 37,428,142 | A | 122,768,815 | A | 341,050,773 | A | 43,931,244 | A | 111,208,669 | A | 97,724,411 | A |
| Not stated | 92,571,718 | A | 4,687,239 | M | 16,900,343 | M | 27,567,256 | M | 6,807,623 | M | 21,990,064 | M | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.1 – Total energy consumption (4/4)

| Gigajoules (GJ) of energy consumed by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 31,544,949 M | 19,702,031 M | 13,051,035 M | – – | – – |
| No | – – | 30,868,907 A | 56,712,948 A | 24,697,404 M | – – | – – |
| Valid skip | 1,051,454,281 A | 76,285,258 A | – – | – – | 17,857,637 M | – – |
| Don't know | – – | – U | – U | – U | – U | – – |
| Not stated | 51,312,636 A | – U | – U | – U | – U | – U |
| Household income | | | | | | |
| Less than \$20,000 | 26,615,571 A | 7,367,324 M | 13,297,600 A | – U | – U | – U |
| \$20,000 to less than \$40,000 | 99,045,750 A | 25,875,646 M | 18,667,583 A | 7,301,741 M | – U | – U |
| \$40,000 to less than \$60,000 | 130,755,430 A | 14,889,538 M | 13,791,255 M | 5,666,904 M | – U | – U |
| \$60,000 to less than \$80,000 | 131,718,384 A | 26,314,608 M | 8,715,175 M | – U | – U | – U |
| \$80,000 to less than \$100,000 | 109,376,080 A | 16,321,876 M | – U | – U | – U | – U |
| \$100,000 to less than \$150,000 | 185,885,436 A | 12,967,163 M | – U | – U | – U | – U |
| \$150,000 and over | 163,569,231 A | – U | – U | – U | – U | – U |
| Not stated | 255,801,036 A | 31,764,859 M | 12,923,421 M | – U | – U | – U |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 51,207,124 M | – U | 13,373,274 M | – U | – U | – U |
| Grade 11 to 13, graduate | 123,090,602 A | 14,405,111 M | 13,615,983 M | 5,754,528 M | – U | – U |
| Some postsecondary or postsecondary certificate or diploma | 268,885,048 A | 29,156,455 A | 21,355,355 A | 8,377,321 M | 8,424,999 M | – U |
| University | 594,327,054 A | 82,464,115 A | 27,849,768 A | 23,074,531 M | – U | – U |
| Not stated | 65,257,090 A | – U | – U | – U | – U | – U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.2 – Energy intensity per household (1/4)

Gigajoules of energy consumed per household (GJ/household) by region

| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia |
|---|---------|----------|---------|---------|---------------------------|---------|---------------------|
| Gigajoules per household | 105.3 A | 104.4 A | 92.7 A | 111.5 A | 105.4 A | 131.3 A | 91.1 A |
| Type of dwelling | | | | | | | |
| Single detached house | 134.0 A | 120.1 A | 129.8 A | 139.5 A | 126.2 A | 152.3 A | 118.8 A |
| Double/row house | 85.4 A | 85.5 A | 73.9 A | 95.6 A | 92.4 A | 109.4 A | 72.5 A |
| Low-rise apartment | 38.7 A | 62.9 A | 40.7 A | 29.4 A | 49.0 A | – U | 34.9 A |
| High-rise apartment | 42.3 A | – U | – U | 34.5 A | – U | – U | 61.3 M |
| Mobile home | 111.7 A | – U | – U | – U | – U | – U | – U |
| Don't know/not stated | 98.4 A | – U | – U | 115.5 A | – U | – U | – U |
| Dwelling construction date | | | | | | | |
| Before 1950 | 121.8 A | 130.5 A | 101.1 A | 129.9 A | 123.4 A | 145.6 A | 100.5 A |
| 1950 – 1969 | 106.5 A | 102.5 A | 104.6 A | 100.3 A | 109.5 A | 125.0 A | 115.0 A |
| 1970 – 1979 | 107.3 A | 110.6 A | 98.3 A | 120.6 A | 89.4 A | 124.9 A | 83.0 A |
| 1980 – 1989 | 99.3 A | 104.8 A | 82.1 A | 109.4 A | 100.6 A | 129.4 A | 90.5 A |
| 1990 – 1999 | 94.8 A | 85.6 A | 81.9 A | 95.6 A | 104.1 A | 136.8 A | 84.0 A |
| 2000 – 2011 | 107.5 A | 92.1 A | 89.4 A | 117.5 A | 113.3 A | 136.6 A | 88.6 A |
| Heated area of dwelling excluding garage | | | | | | | |
| 56 square metres or less (600 square feet or less) | 46.8 A | – U | 44.1 A | 40.9 A | – U | – U | – U |
| 56 to 93 square metres (601 to 1,000 square feet) | 48.1 A | 69.0 A | 42.7 A | 34.7 A | 55.7 A | 67.5 A | 52.5 A |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 82.8 A | 77.7 A | 81.0 A | 75.9 A | 100.7 A | 107.1 A | 81.7 A |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 106.5 A | 102.8 A | 111.8 A | 100.0 A | 116.1 A | 134.2 A | 96.1 A |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 122.8 A | 115.8 A | 122.0 A | 120.5 A | 132.7 A | 127.5 A | 124.3 A |
| 232 or more square metres (2,501 or more square feet) | 151.2 A | 141.3 A | 132.9 A | 159.1 A | 129.1 A | 179.0 A | 129.5 A |
| Occupation mode | | | | | | | |
| Own | 123.5 A | 119.7 A | 116.9 A | 130.4 A | 122.2 A | 144.0 A | 100.5 A |
| Rent | 52.3 A | 61.8 A | 51.9 A | 44.9 A | 53.3 A | 73.7 A | 54.1 M |
| Number of people in the household | | | | | | | |
| 1 member | 70.9 A | 76.7 A | 59.3 A | 71.8 A | 76.2 A | 96.4 A | 71.7 A |
| 2 members | 106.8 A | 110.9 A | 105.6 A | 103.8 A | 104.9 A | 141.0 A | 92.5 A |
| 3 members | 115.8 A | 117.8 A | 103.3 A | 114.5 A | 112.9 A | 149.6 A | 110.0 A |
| 4 or more members | 136.2 A | 115.2 A | 120.0 A | 149.0 A | 138.5 A | 155.7 A | 112.1 A |
| Not stated | 89.8 A | – U | – U | 123.1 A | – U | – U | – U |
| Occupant demographics | | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – U | – U | – U |
| Households with only 25 to 44 year old members | 69.6 A | 47.6 M | 68.6 M | 76.7 A | 83.9 A | 77.5 M | – U |
| Households with only 45 to 64 year old members | 98.7 A | 114.2 A | 79.1 A | 99.8 A | 108.0 A | 134.0 A | 96.5 A |
| Households with only 65 + year old members | 94.1 A | 87.7 A | 91.2 A | 90.5 A | 89.0 A | 139.8 A | 87.9 A |
| Households with adults and children 0 to 12 only | 112.4 A | 108.0 A | 102.4 A | 119.3 A | 95.7 A | 145.8 A | 95.8 A |
| Households with adults and teens 13 to 19 only | 126.6 A | 121.5 A | 112.7 A | 129.7 A | 150.4 A | 152.8 A | 117.9 A |
| Households with adults and members 0 to 12 and 13 to 19 | 134.1 A | 131.2 A | 112.8 A | 143.2 A | 150.8 A | – U | – U |
| Other compositions | 124.1 A | 111.6 A | 115.3 A | 126.4 A | 116.0 A | 151.4 A | 116.3 A |
| Not stated | 89.8 A | – U | – U | 123.1 A | – U | – U | – U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.2 – Energy intensity per household (2/4)

| Gigajoules of energy consumed per household (GJ/household) by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Gigajoules per household | 134.0 A | 85.4 A | 38.7 A | 42.3 A | 111.7 A | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 137.5 A | 100.2 A | 49.4 A | – U | – – | |
| 1950 – 1969 | 130.0 A | 86.1 A | 40.1 A | 28.2 M | – U | |
| 1970 – 1979 | 140.0 A | 82.3 A | 28.6 A | 45.7 A | 136.9 A | |
| 1980 – 1989 | 134.4 A | 79.5 A | 37.4 A | 33.7 M | – U | |
| 1990 – 1999 | 131.3 A | 86.0 A | 37.6 M | 35.3 A | – U | |
| 2000 – 2011 | 130.5 A | 85.3 A | 51.6 A | 73.7 M | – U | |
| Heated area of dwelling excluding garage | | | | | | |
| 56 square metres or less (600 square feet or less) | 112.4 M | – U | 40.0 A | 20.8 M | – U | |
| 56 to 93 square metres (601 to 1,000 square feet) | 88.5 A | 61.2 A | 33.0 A | 37.9 A | – U | |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 113.0 A | 77.3 A | 41.0 A | 62.5 M | 109.6 A | |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 120.6 A | 81.4 A | 76.6 M | – U | – U | |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 126.3 A | 109.0 A | – U | – U | – U | |
| 232 or more square metres (2,501 or more square feet) | 153.7 A | 130.9 A | – U | – U | – U | |
| Occupation mode | | | | | | |
| Own | 135.7 A | 93.9 A | 51.0 A | 52.4 A | 110.1 A | |
| Rent | 106.2 A | 67.6 A | 35.3 A | 37.4 M | – U | |
| Number of people in the household | | | | | | |
| 1 member | 118.7 A | 70.7 A | 35.2 A | 36.6 A | – U | |
| 2 members | 133.2 A | 89.9 A | 43.4 A | 45.0 M | 109.8 A | |
| 3 members | 134.4 A | 84.2 A | 40.3 A | – U | – U | |
| 4 or more members | 148.4 A | 88.4 A | – U | – U | – U | |
| Not stated | 100.5 A | – U | – U | – U | – U | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – – | |
| Households with only 25 to 44 year old members | 115.9 A | 90.8 A | 35.9 A | – U | – U | |
| Households with only 45 to 64 year old members | 133.0 A | 75.6 A | 32.1 A | 37.6 M | 114.6 A | |
| Households with only 65 + year old members | 126.9 A | 89.0 A | 47.2 A | 46.8 M | – U | |
| Households with adults and children 0 to 12 only | 131.3 A | 80.5 A | 45.0 A | – U | – U | |
| Households with adults and teens 13 to 19 only | 142.5 A | 92.2 A | – U | – U | – U | |
| Households with adults and members 0 to 12 and 13 to 19 | 145.1 A | – U | – U | – U | – – | |
| Other compositions | 148.6 A | 92.1 A | 42.0 A | – U | – U | |
| Not stated | 100.5 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.2 – Energy intensity per household (3/4)

| Gigajoules of energy consumed per household (GJ/household) by region | | | | | | | | | | | | | | |
|---|--------|---|----------|---|--------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | 55.7 | A | – | U | 40.4 | A | 55.1 | A | 93.6 | A | 66.2 | M | 56.9 | A |
| No | 44.5 | A | 62.2 | A | 45.5 | A | 42.4 | A | 40.7 | A | – | U | 31.1 | M |
| Valid skip | 131.0 | A | 116.0 | A | 122.4 | A | 136.8 | A | 125.6 | A | 150.1 | A | 123.4 | A |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 93.5 | A | 72.2 | M | 70.3 | A | 120.2 | A | 108.1 | A | 107.1 | M | 73.1 | A |
| Household income | | | | | | | | | | | | | | |
| Less than \$20,000 | 65.1 | A | 89.8 | A | 54.5 | A | 56.6 | A | 88.9 | M | – | U | – | U |
| \$20,000 to less than \$40,000 | 78.9 | A | 91.3 | A | 73.4 | A | 75.8 | A | 86.0 | A | 122.9 | A | 71.1 | A |
| \$40,000 to less than \$60,000 | 93.5 | A | 101.3 | A | 96.4 | A | 93.9 | A | 94.2 | A | 87.5 | A | 83.6 | A |
| \$60,000 to less than \$80,000 | 105.5 | A | 118.2 | A | 103.8 | A | 107.2 | A | 109.7 | A | 119.4 | A | 84.5 | A |
| \$80,000 to less than \$100,000 | 107.6 | A | 123.8 | A | 114.4 | A | 108.6 | A | 110.4 | A | 135.1 | A | 88.3 | A |
| \$100,000 to less than \$150,000 | 126.0 | A | 107.6 | A | 120.8 | A | 120.5 | A | 139.6 | A | 161.0 | A | 121.2 | A |
| \$150,000 and over | 141.6 | A | 119.5 | A | 137.2 | A | 138.8 | A | 152.5 | A | 153.3 | A | 136.9 | A |
| Not stated | 112.0 | A | 103.4 | A | 74.9 | A | 136.7 | A | 89.7 | A | 122.9 | A | 91.2 | A |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 93.1 | A | 97.3 | A | 94.4 | M | 90.6 | M | 83.6 | A | – | U | – | U |
| Grade 11 to 13, graduate | 96.7 | A | 105.8 | A | 80.1 | A | 97.3 | A | 97.1 | A | 132.8 | A | 93.9 | A |
| Some postsecondary or postsecondary certificate or diploma | 103.6 | A | 106.2 | A | 99.4 | A | 98.1 | A | 119.2 | A | 135.0 | A | 98.7 | A |
| University | 111.5 | A | 106.1 | A | 92.4 | A | 121.5 | A | 104.5 | A | 137.9 | A | 93.4 | A |
| Not stated | 93.4 | A | 91.3 | M | 79.5 | A | 117.1 | A | 110.7 | A | 105.0 | M | – | U |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.2 – Energy intensity per household (4/4)

| Gigajoules of energy consumed per household (GJ/household) by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 75.5 A | 47.6 A | 40.4 A | – – | – – |
| No | – – | 86.4 A | 36.4 A | 40.8 M | – – | – – |
| Valid skip | 136.2 A | 87.8 A | – – | – – | 112.2 A | – – |
| Don't know | – – | – U | – U | – U | – U | – – |
| Not stated | 100.0 A | – U | – U | – U | – U | – U |
| Household income | | | | | | |
| Less than \$20,000 | 122.1 A | 75.2 A | 38.2 A | 23.1 M | – U | – U |
| \$20,000 to less than \$40,000 | 130.5 A | 65.8 A | 34.2 A | 33.1 M | – U | – U |
| \$40,000 to less than \$60,000 | 128.2 A | 77.5 A | 36.7 A | 32.8 A | – U | – U |
| \$60,000 to less than \$80,000 | 128.5 A | 94.6 A | 37.7 A | 72.5 M | – U | – U |
| \$80,000 to less than \$100,000 | 130.8 A | 83.1 A | 46.0 A | – U | – U | – U |
| \$100,000 to less than \$150,000 | 134.9 A | 97.4 A | – U | – U | – U | – U |
| \$150,000 and over | 155.3 A | 107.1 A | – U | – U | – U | – U |
| Not stated | 131.8 A | 96.4 A | 45.5 M | 44.8 M | – U | – U |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 138.3 A | 83.4 A | 45.1 M | – U | – U | – U |
| Grade 11 to 13, graduate | 130.4 A | 75.9 A | 44.1 A | 29.4 M | – U | – U |
| Some postsecondary or postsecondary certificate or diploma | 134.0 A | 80.6 A | 39.6 A | 37.2 A | 100.5 A | – U |
| University | 138.4 A | 87.9 A | 34.0 A | 47.8 M | – U | – U |
| Not stated | 106.2 A | – U | – U | – U | – U | – U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.3 – Energy intensity per heated area (excluding garage) (1/4)

Gigajoules of energy consumed per heated square metre (GJ/m²) by region

| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia |
|---|--------|----------|--------|---------|---------------------------|---------|---------------------|
| Gigajoules per heated square metre (excluding garage) | 0.56 A | 0.56 A | 0.58 A | 0.52 A | 0.59 A | 0.66 A | 0.52 A |
| Type of dwelling | | | | | | | |
| Single detached house | 0.56 A | 0.56 A | 0.61 A | 0.53 A | 0.59 A | 0.64 A | 0.51 A |
| Double/row house | 0.56 A | 0.63 A | 0.58 A | 0.52 A | 0.70 A | 0.69 A | 0.52 A |
| Low-rise apartment | 0.45 A | 0.48 A | 0.47 A | 0.40 A | 0.55 A | – U | 0.45 A |
| High-rise apartment | 0.45 A | – U | – U | 0.35 A | – U | – U | 0.61 A |
| Mobile home | 0.95 A | – U | – U | – U | – U | – U | – U |
| Don't know/not stated | 0.59 A | – U | – U | 0.50 A | – U | – U | – U |
| Dwelling construction date | | | | | | | |
| Before 1950 | 0.64 A | 0.68 A | 0.61 A | 0.62 A | 0.72 A | 0.70 A | 0.64 A |
| 1950 – 1969 | 0.61 A | 0.56 A | 0.69 A | 0.53 A | 0.64 A | 0.75 A | 0.61 A |
| 1970 – 1979 | 0.58 A | 0.58 A | 0.59 A | 0.58 A | 0.51 A | 0.67 A | 0.51 A |
| 1980 – 1989 | 0.54 A | 0.55 A | 0.57 A | 0.50 A | 0.57 A | 0.65 A | 0.58 A |
| 1990 – 1999 | 0.51 A | 0.49 A | 0.56 A | 0.46 A | 0.55 A | 0.57 A | 0.54 A |
| 2000 – 2011 | 0.48 A | 0.46 A | 0.47 M | 0.46 A | 0.58 A | 0.66 A | 0.41 A |
| Heated area of dwelling excluding garage | | | | | | | |
| 56 square metres or less (600 square feet or less) | 1.00 A | – U | 0.98 A | 0.83 A | – U | – U | – U |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.62 A | 0.82 A | 0.55 A | 0.46 A | 0.69 A | 0.89 A | 0.66 A |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.71 A | 0.65 A | 0.71 A | 0.64 A | 0.87 A | 0.92 A | 0.68 A |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.64 A | 0.61 A | 0.68 A | 0.60 A | 0.68 A | 0.81 A | 0.59 A |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.59 A | 0.56 A | 0.59 A | 0.57 A | 0.63 A | 0.61 A | 0.58 A |
| 232 or more square metres (2,501 or more square feet) | 0.46 A | 0.46 A | 0.43 A | 0.47 A | 0.44 A | 0.58 A | 0.38 A |
| Occupation mode | | | | | | | |
| Own | 0.55 A | 0.56 A | 0.58 A | 0.52 A | 0.59 A | 0.64 A | 0.52 A |
| Rent | 0.57 A | 0.54 A | 0.60 A | 0.48 A | 0.63 A | 0.91 A | 0.53 M |
| Number of people in the household | | | | | | | |
| 1 member | 0.53 A | 0.53 A | 0.51 A | 0.49 A | 0.66 A | 0.66 A | 0.55 A |
| 2 members | 0.58 A | 0.58 A | 0.67 A | 0.53 A | 0.61 A | 0.66 A | 0.52 A |
| 3 members | 0.57 A | 0.55 A | 0.61 A | 0.52 A | 0.53 A | 0.73 A | 0.63 A |
| 4 or more members | 0.55 A | 0.54 A | 0.58 A | 0.53 A | 0.61 A | 0.65 A | 0.48 A |
| Not stated | 0.47 A | – U | – U | 0.53 A | – U | – U | – U |
| Occupant demographics | | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – U | – U | – U |
| Households with only 25 to 44 year old members | 0.54 A | 0.42 A | 0.65 A | 0.47 A | 0.59 A | 0.70 M | – U |
| Households with only 45 to 64 year old members | 0.56 A | 0.59 A | 0.56 A | 0.52 A | 0.68 A | 0.63 A | 0.55 A |
| Households with only 65 + year old members | 0.57 A | 0.55 A | 0.63 A | 0.52 A | 0.60 A | 0.68 A | 0.53 A |
| Households with adults and children 0 to 12 only | 0.54 A | 0.53 A | 0.57 A | 0.52 A | 0.50 A | 0.68 A | 0.47 A |
| Households with adults and teens 13 to 19 only | 0.56 A | 0.59 A | 0.60 A | 0.51 A | 0.68 A | 0.65 A | 0.59 A |
| Households with adults and members 0 to 12 and 13 to 19 | 0.56 A | 0.51 A | 0.56 A | 0.53 A | 0.65 A | – U | – U |
| Other compositions | 0.58 A | 0.57 A | 0.67 A | 0.54 A | 0.59 A | 0.74 A | 0.49 A |
| Not stated | 0.47 A | – U | – U | 0.53 A | – U | – U | – U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.3 – Energy intensity per heated area (excluding garage) (2/4)

| Gigajoules of energy consumed per heated square metre (GJ/m ²) by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Gigajoules per heated square metre (excluding garage) | 0.56 A | 0.56 A | 0.45 A | 0.45 A | 0.95 A | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 0.66 A | 0.59 A | 0.58 A | – U | – – | |
| 1950 – 1969 | 0.63 A | 0.64 A | 0.43 A | – U | – U | |
| 1970 – 1979 | 0.60 A | 0.58 A | 0.35 A | 0.47 M | 1.20 A | |
| 1980 – 1989 | 0.56 A | 0.54 A | 0.48 A | 0.36 M | – U | |
| 1990 – 1999 | 0.52 A | 0.56 A | 0.44 M | 0.38 A | – U | |
| 2000 – 2011 | 0.45 A | 0.51 A | 0.54 A | 0.75 M | – U | |
| Heated area of dwelling excluding garage | | | | | | |
| 56 square metres or less (600 square feet or less) | 2.31 A | – U | 0.87 A | – U | – U | |
| 56 to 93 square metres (601 to 1,000 square feet) | 1.07 A | 0.75 A | 0.43 A | 0.49 A | – U | |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.94 A | 0.63 A | 0.37 A | 0.56 M | 0.94 A | |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.72 A | 0.50 A | 0.48 M | – U | – U | |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.60 A | 0.54 A | – U | – U | – U | |
| 232 or more square metres (2,501 or more square feet) | 0.47 A | 0.45 A | – U | – U | – U | |
| Occupation mode | | | | | | |
| Own | 0.56 A | 0.52 A | 0.56 A | 0.47 A | 0.93 A | |
| Rent | 0.84 A | 0.70 A | 0.42 A | 0.43 M | – U | |
| Number of people in the household | | | | | | |
| 1 member | 0.58 A | 0.53 A | 0.42 A | 0.44 M | – U | |
| 2 members | 0.59 A | 0.60 A | 0.51 A | 0.43 M | 0.91 A | |
| 3 members | 0.58 A | 0.52 A | 0.48 A | – U | – U | |
| 4 or more members | 0.55 A | 0.55 A | – U | – U | – U | |
| Not stated | 0.43 A | – U | – U | – U | – U | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – – | |
| Households with only 25 to 44 year old members | 0.59 A | 0.59 A | 0.43 A | – U | – U | |
| Households with only 45 to 64 year old members | 0.59 A | 0.56 A | 0.37 A | 0.43 M | 0.97 A | |
| Households with only 65 + year old members | 0.59 A | 0.57 A | 0.55 A | 0.46 M | – U | |
| Households with adults and children 0 to 12 only | 0.54 A | 0.53 A | 0.47 A | – U | – U | |
| Households with adults and teens 13 to 19 only | 0.56 A | 0.58 A | – U | – U | – U | |
| Households with adults and members 0 to 12 and 13 to 19 | 0.55 A | – U | – U | – U | – – | |
| Other compositions | 0.59 A | 0.55 A | 0.49 A | – U | – U | |
| Not stated | 0.43 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.3 – Energy intensity per heated area (excluding garage) (3/4)

Gigajoules of energy consumed per heated square metre (GJ/m²) by region

| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia |
|---|--------|----------|--------|---------|---------------------------|---------|---------------------|
| Dwelling part of a condominium | | | | | | | |
| Yes | 0.48 A | – U | 0.40 A | 0.43 A | 0.87 A | 0.59 A | 0.51 A |
| No | 0.47 A | 0.48 A | 0.50 A | 0.42 A | 0.52 A | – U | 0.37 A |
| Valid skip | 0.58 A | 0.57 A | 0.64 A | 0.54 A | 0.61 A | 0.67 A | 0.53 A |
| Don't know | – U | – – | – – | – U | – – | – – | – U |
| Not stated | 0.50 A | 0.49 A | – U | 0.52 A | 0.46 A | 0.62 A | 0.54 A |
| Household income | | | | | | | |
| Less than \$20,000 | 0.55 A | 0.64 A | 0.52 A | 0.47 A | 0.73 A | – U | – U |
| \$20,000 to less than \$40,000 | 0.58 A | 0.65 A | 0.61 A | 0.50 A | 0.67 A | 0.77 A | 0.58 A |
| \$40,000 to less than \$60,000 | 0.58 A | 0.58 A | 0.65 A | 0.52 A | 0.65 A | 0.61 A | 0.55 A |
| \$60,000 to less than \$80,000 | 0.59 A | 0.55 A | 0.68 A | 0.55 A | 0.60 A | 0.66 A | 0.49 A |
| \$80,000 to less than \$100,000 | 0.56 A | 0.58 A | 0.65 A | 0.52 A | 0.59 A | 0.65 A | 0.48 A |
| \$100,000 to less than \$150,000 | 0.56 A | 0.46 A | 0.57 A | 0.52 A | 0.66 A | 0.66 A | 0.60 A |
| \$150,000 and over | 0.53 A | 0.47 A | 0.57 A | 0.47 A | 0.61 A | 0.68 A | 0.45 A |
| Not stated | 0.53 A | 0.53 A | 0.41 M | 0.55 A | 0.44 A | 0.63 A | 0.52 A |
| Highest level of education ever completed by any member of the household | | | | | | | |
| 0 to 8 years or some secondary | 0.70 A | 0.61 A | 0.82 M | 0.60 M | 0.69 A | – U | – U |
| Grade 11 to 13, graduate | 0.56 A | 0.60 A | 0.61 A | 0.55 A | 0.62 A | 0.64 A | 0.46 M |
| Some postsecondary or postsecondary certificate or diploma | 0.58 A | 0.58 A | 0.63 A | 0.52 A | 0.69 A | 0.69 A | 0.50 A |
| University | 0.54 A | 0.51 A | 0.54 A | 0.51 A | 0.55 A | 0.67 A | 0.55 A |
| Not stated | 0.49 A | 0.55 A | – U | 0.51 A | 0.48 A | 0.60 A | – U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.3 – Energy intensity per heated area (excluding garage) (4/4)

| Gigajoules of energy consumed per heated square metre (GJ/m ²) by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 0.48 A | 0.53 A | 0.41 A | – – | – – |
| No | – – | 0.59 A | 0.43 A | 0.45 M | – – | – – |
| Valid skip | 0.57 A | 0.59 A | – – | – – | 0.96 A | – – |
| Don't know | – – | – U | – U | – U | – U | – U |
| Not stated | 0.43 A | – U | – U | – U | – U | – U |
| Household income | | | | | | |
| Less than \$20,000 | 0.66 A | 0.58 A | 0.47 A | – U | – U | – U |
| \$20,000 to less than \$40,000 | 0.66 A | 0.56 A | 0.38 A | 0.40 M | – U | – U |
| \$40,000 to less than \$60,000 | 0.62 A | 0.56 A | 0.45 A | 0.35 M | – U | – U |
| \$60,000 to less than \$80,000 | 0.60 A | 0.57 A | 0.49 A | – U | – U | – U |
| \$80,000 to less than \$100,000 | 0.55 A | 0.60 A | 0.56 A | – U | – U | – U |
| \$100,000 to less than \$150,000 | 0.57 A | 0.51 A | – U | – U | – U | – U |
| \$150,000 and over | 0.52 A | 0.54 A | – U | – U | – U | – U |
| Not stated | 0.52 A | 0.56 A | 0.59 M | 0.45 M | – U | – U |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 0.78 A | 0.77 A | 0.51 M | – U | – U | – U |
| Grade 11 to 13, graduate | 0.57 A | 0.57 A | 0.53 A | 0.33 M | – U | – U |
| Some postsecondary or postsecondary certificate or diploma | 0.60 A | 0.58 A | 0.45 A | 0.42 A | 0.88 A | – U |
| University | 0.55 A | 0.53 A | 0.41 A | 0.50 M | – U | – U |
| Not stated | 0.46 A | – U | – U | – U | – U | – U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.4 – Electricity consumption by households (1/4)

| Gigajoules of electricity consumed by households (GJ) by region | | | | | | | | | | | | | | |
|---|-------------|---|------------|---|-------------|---|-------------|---|---------------------------|---|------------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Gigajoules | 544,660,387 | A | 43,963,464 | A | 199,861,358 | A | 149,838,542 | A | 37,088,935 | A | 46,747,385 | A | 67,160,703 | A |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 381,471,387 | A | 33,661,782 | A | 131,094,438 | A | 113,464,460 | A | 28,434,460 | A | 33,664,817 | A | 41,151,429 | A |
| Double/row house | 65,472,206 | A | 3,734,287 | M | 31,445,539 | A | 13,796,848 | A | – | U | 3,126,409 | M | – | U |
| Low-rise apartment | 54,252,342 | A | 4,059,192 | M | 30,133,945 | A | 8,513,497 | A | 2,545,301 | M | – | U | 7,461,575 | M |
| High-rise apartment | 21,222,681 | A | – | U | 4,684,781 | M | 10,076,825 | M | – | U | – | U | – | U |
| Mobile home | 5,424,374 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know/not stated | 16,817,397 | M | – | U | – | U | 2,894,520 | M | – | U | – | U | – | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 53,814,403 | A | 5,541,617 | A | 15,967,278 | A | 19,570,255 | A | 5,185,649 | M | – | U | 4,767,439 | M |
| 1950 – 1969 | 99,019,029 | A | 7,502,191 | A | 36,778,706 | A | 26,441,431 | A | 9,042,105 | A | 11,457,403 | M | 7,797,193 | M |
| 1970 – 1979 | 113,258,827 | A | 8,913,576 | A | 49,331,062 | A | 27,911,105 | A | 6,651,765 | A | 10,277,332 | M | 10,173,988 | M |
| 1980 – 1989 | 102,635,669 | A | 8,098,454 | A | 41,828,555 | A | 27,828,183 | A | 7,174,013 | A | 5,083,474 | M | 12,622,990 | M |
| 1990 – 1999 | 85,753,170 | A | 7,677,370 | A | 29,460,500 | A | 21,005,247 | A | 3,399,447 | M | 7,933,779 | A | 16,276,827 | M |
| 2000 – 2011 | 90,179,290 | A | 6,230,256 | A | 26,495,256 | A | 27,082,321 | A | 5,635,958 | M | 9,213,232 | M | 15,522,267 | M |
| Heated area of dwelling excluding garage | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | 24,627,059 | A | – | U | 13,248,084 | M | 5,248,544 | M | – | U | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 62,966,580 | A | 4,846,076 | A | 21,054,269 | A | 8,991,364 | A | 4,454,360 | A | – | U | 16,585,927 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 68,814,519 | A | 5,980,338 | A | 31,541,971 | A | 14,265,284 | A | 3,905,378 | M | 4,787,601 | M | 8,333,947 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 100,933,117 | A | 7,948,707 | A | 42,604,155 | A | 25,111,879 | A | 6,888,906 | A | 5,921,908 | M | 12,457,562 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 104,841,755 | A | 8,538,581 | A | 45,970,890 | A | 23,087,296 | A | 7,314,259 | A | 10,923,023 | A | 9,007,706 | M |
| 232 or more square metres (2,501 or more square feet) | 182,477,357 | A | 16,043,299 | A | 45,441,990 | A | 73,134,174 | A | 12,922,672 | A | 17,202,153 | A | 17,733,070 | A |
| Occupation mode | | | | | | | | | | | | | | |
| Own | 438,201,199 | A | 35,842,364 | A | 149,205,722 | A | 127,824,404 | A | 31,366,404 | A | 38,744,424 | A | 55,217,881 | A |
| Rent | 106,459,188 | A | 8,121,100 | A | 50,655,637 | A | 22,014,138 | A | 5,722,531 | A | – | U | 11,942,822 | M |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 94,370,851 | A | 8,027,399 | A | 39,691,088 | A | 23,293,828 | A | 6,132,455 | A | 7,104,736 | M | 10,121,346 | A |
| 2 members | 181,335,730 | A | 16,620,438 | A | 72,986,874 | A | 46,334,145 | A | 12,611,408 | A | 11,698,437 | A | 21,084,428 | A |
| 3 members | 87,913,114 | A | 9,267,927 | A | 30,545,855 | A | 25,600,191 | A | 4,972,008 | M | 8,550,027 | A | 8,977,105 | M |
| 4 or more members | 149,071,086 | A | 8,706,817 | A | 49,269,445 | A | 48,346,419 | A | 10,901,480 | A | 12,352,264 | A | 19,494,663 | A |
| Not stated | 31,969,606 | A | – | U | – | U | 6,263,959 | M | – | U | – | U | – | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Households with only 25 to 44 year old members | 37,997,507 | A | 1,904,615 | M | 15,773,483 | M | 8,090,536 | M | 2,156,139 | M | – | U | – | U |
| Households with only 45 to 64 year old members | 105,674,760 | A | 11,100,891 | A | 41,599,345 | A | 26,517,209 | A | 7,202,843 | A | 7,579,836 | A | 11,674,635 | A |
| Households with only 65 + year old members | 72,433,718 | A | 7,283,363 | A | 28,590,753 | A | 18,028,165 | A | 5,303,916 | A | 5,220,856 | M | 8,006,666 | A |
| Households with adults and children 0 to 12 only | 94,758,851 | A | 5,680,970 | A | 32,187,555 | A | 27,705,760 | A | 7,092,170 | A | 8,237,982 | A | 13,854,415 | M |
| Households with adults and teens 13 to 19 only | 69,098,764 | A | 5,099,666 | A | 25,696,513 | A | 18,888,062 | A | 4,510,000 | M | 4,942,204 | M | 9,962,319 | M |
| Households with adults and members 0 to 12 and 13 to 19 | 26,326,344 | A | 2,386,049 | M | 9,649,972 | M | 7,662,962 | M | 2,557,584 | M | – | U | – | U |
| Other compositions | 103,726,202 | A | 9,160,676 | A | 38,051,549 | A | 36,035,575 | A | 5,000,668 | A | 7,947,738 | M | 7,529,996 | M |
| Not stated | 31,969,606 | A | – | U | – | U | 6,263,959 | M | – | U | – | U | – | U |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.4 – Electricity consumption by households (2/4)

| Gigajoules of electricity consumed by households (GJ) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Gigajoules | 381,471,387 A | 65,472,206 A | 54,252,342 A | 21,222,681 A | 5,424,374 M | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 42,162,580 A | 4,806,458 M | 4,305,859 M | - U | - | |
| 1950 – 1969 | 71,675,064 A | 10,660,299 M | 8,040,604 M | 2,558,487 M | - | |
| 1970 – 1979 | 82,283,398 A | 11,308,666 M | 10,167,460 M | - U | - | |
| 1980 – 1989 | 71,703,495 A | 9,533,664 M | 15,388,789 A | 3,800,414 M | - | |
| 1990 – 1999 | 53,754,433 A | 13,127,003 M | 9,517,981 M | 4,836,978 M | - | |
| 2000 – 2011 | 59,892,416 A | 16,036,115 M | 6,831,649 M | - U | - | |
| Heated area of dwelling excluding garage | | | | | | |
| 56 square metres or less (600 square feet or less) | - U | - U | 12,733,585 A | 1,927,296 M | - | |
| 56 to 93 square metres (601 to 1,000 square feet) | 11,520,305 M | 11,168,191 M | 23,101,207 A | 9,446,146 A | - | |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 32,839,189 A | 12,899,286 A | 12,624,585 M | 5,787,478 M | - | |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 74,212,744 A | 17,720,594 M | 2,971,398 M | - U | - | |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 91,346,221 A | 9,284,804 M | - U | - U | - | |
| 232 or more square metres (2,501 or more square feet) | 168,188,569 A | 7,917,378 A | - U | - U | - | |
| Occupation mode | | | | | | |
| Own | 361,001,000 A | 43,779,175 A | 11,016,443 M | 8,025,741 M | 5,168,895 M | |
| Rent | 20,470,387 M | 21,693,031 M | 43,235,898 A | 13,196,940 A | - | |
| Number of people in the household | | | | | | |
| 1 member | 41,235,202 A | 10,582,062 M | 28,845,378 A | 9,847,440 M | - | |
| 2 members | 124,878,590 A | 27,890,975 A | 15,594,129 M | 7,816,649 M | 1,196,790 M | |
| 3 members | 69,556,009 A | 9,465,184 A | 4,737,309 M | - U | - | |
| 4 or more members | 124,926,110 A | 14,200,574 M | - U | - U | - | |
| Not stated | 20,875,476 A | - U | - U | - U | - | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | - U | - U | - U | - U | - | |
| Households with only 25 to 44 year old members | 14,568,150 A | - U | 14,693,352 M | - U | - | |
| Households with only 45 to 64 year old members | 70,460,563 A | 14,319,689 M | 12,060,237 A | 3,907,129 M | - | |
| Households with only 65 + year old members | 44,556,092 A | 8,095,630 M | 10,702,508 A | 6,863,265 M | - | |
| Households with adults and children 0 to 12 only | 72,205,607 A | 13,918,619 M | 3,629,318 M | - U | - | |
| Households with adults and teens 13 to 19 only | 58,608,426 A | 4,886,501 M | - U | - U | - | |
| Households with adults and members 0 to 12 and 13 to 19 | 21,639,746 A | - U | - U | - U | - | |
| Other compositions | 77,796,935 A | 13,283,390 M | 6,559,887 M | - U | - | |
| Not stated | 20,875,476 A | - U | - U | - U | - | |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.4 – Electricity consumption by households (3/4)

Gigajoules of electricity consumed by households (GJ) by region

| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
|---|-------------|---|------------|---|-------------|---|-------------|---|---------------------------|---|------------|---|---------------------|---|
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | 29,673,959 | A | – | U | 7,486,191 | M | 7,198,250 | A | – | U | 1,594,213 | M | – | U |
| No | 66,857,828 | A | 4,036,335 | M | 34,071,300 | A | 17,851,880 | A | 3,892,839 | M | – | U | 4,416,500 | M |
| Valid skip | 402,736,676 | A | 36,804,452 | A | 148,597,976 | A | 115,454,006 | A | 27,643,504 | A | 34,483,315 | A | 39,753,424 | A |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 44,611,369 | A | 2,406,830 | M | 9,705,892 | M | 9,131,382 | M | 3,989,910 | M | – | U | – | U |
| Household income | | | | | | | | | | | | | | |
| Less than \$20,000 | 24,869,970 | A | 4,271,026 | A | 11,446,509 | M | 5,685,010 | A | 1,802,295 | M | – | U | – | U |
| \$20,000 to less than \$40,000 | 73,571,647 | A | 5,695,663 | A | 34,652,589 | A | 14,191,310 | A | 3,976,101 | A | 3,062,363 | M | 11,993,622 | M |
| \$40,000 to less than \$60,000 | 72,158,412 | A | 5,348,169 | A | 34,658,424 | A | 15,792,277 | A | 5,518,433 | A | 3,509,681 | M | 7,331,428 | M |
| \$60,000 to less than \$80,000 | 69,851,666 | A | 6,763,876 | A | 30,102,522 | A | 17,274,596 | A | 4,194,769 | A | 4,135,386 | M | 7,380,517 | M |
| \$80,000 to less than \$100,000 | 52,395,483 | A | 3,498,597 | A | 20,268,140 | A | 12,678,022 | A | 3,968,493 | M | 2,419,553 | M | 9,562,677 | M |
| \$100,000 to less than \$150,000 | 76,823,077 | A | 6,593,774 | A | 25,923,909 | A | 21,782,982 | A | 5,224,166 | M | 7,272,455 | M | 10,025,792 | M |
| \$150,000 and over | 63,622,999 | A | 3,130,455 | A | 18,288,531 | M | 22,440,218 | A | 4,073,529 | M | 11,435,210 | A | 4,255,055 | M |
| Not stated | 111,367,133 | A | 8,661,903 | A | 24,520,735 | A | 39,994,127 | A | 8,331,149 | M | 14,175,738 | M | 15,683,481 | M |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 34,880,896 | A | 4,105,497 | M | 21,974,621 | M | 5,101,050 | M | 1,968,489 | M | – | U | – | U |
| Grade 11 to 13, graduate | 62,655,487 | A | 6,533,643 | A | 20,013,185 | A | 17,102,142 | A | 6,307,657 | M | 4,749,679 | M | 7,949,181 | M |
| Some postsecondary or postsecondary certificate or diploma | 138,342,342 | A | 13,701,262 | A | 67,015,627 | A | 31,080,608 | A | 8,449,197 | A | 8,316,853 | A | 9,778,796 | A |
| University | 269,576,954 | A | 17,869,652 | A | 79,762,944 | A | 88,920,377 | A | 17,127,150 | A | 25,101,797 | A | 40,795,036 | A |
| Not stated | 39,204,708 | A | 1,753,411 | M | 11,094,981 | M | 7,634,365 | M | 3,236,442 | M | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.4 – Electricity consumption by households (4/4)

| Gigajoules of electricity consumed by households (GJ) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 13,549,705 M | 9,507,177 M | 6,617,077 M | – – | |
| No | – – | 11,649,516 A | 42,323,255 A | 12,885,057 M | – – | |
| Valid skip | 360,683,699 A | 36,670,722 A | – – | – – | 5,382,254 M | |
| Don't know | – – | – U | – U | – U | – – | |
| Not stated | 20,787,687 M | – U | – U | – U | – U | |
| Household income | | | | | | |
| Less than \$20,000 | 8,913,221 A | 3,730,710 M | 9,856,972 A | 1,740,503 M | – U | |
| \$20,000 to less than \$40,000 | 34,516,494 A | 16,907,446 M | 13,783,806 M | 4,166,114 M | – U | |
| \$40,000 to less than \$60,000 | 50,352,982 A | 6,885,179 M | 9,694,162 M | 3,431,070 M | – U | |
| \$60,000 to less than \$80,000 | 45,982,695 A | 12,022,736 M | 5,484,025 M | – U | – U | |
| \$80,000 to less than \$100,000 | 39,723,203 A | 5,852,746 M | – U | – U | – U | |
| \$100,000 to less than \$150,000 | 65,969,962 A | 4,999,407 M | – U | – U | – U | |
| \$150,000 and over | 55,194,215 A | 4,222,880 M | – U | – U | – U | |
| Not stated | 80,818,615 A | 10,851,102 M | 8,769,793 M | 3,613,689 M | – U | |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 18,950,153 M | – U | 8,690,933 M | – U | – U | |
| Grade 11 to 13, graduate | 41,032,009 A | 7,109,260 M | 8,705,060 M | 3,105,145 M | – U | |
| Some postsecondary or postsecondary certificate or diploma | 99,396,426 A | 13,438,138 M | 16,084,530 A | 4,710,440 M | 2,332,457 M | |
| University | 195,982,340 A | 34,660,013 A | 18,202,482 A | 11,144,489 M | – U | |
| Not stated | 26,110,460 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.5 – Electricity intensity per heated area (excluding garage) (1/4)

| Gigajoules of electricity consumed per heated area (GJ/m ²) by region | | | | | | | | | | | | | | |
|---|--------|---|----------|---|--------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Gigajoules per heated square metre | 0.21 | A | 0.24 | A | 0.37 | A | 0.14 | A | 0.23 | A | 0.16 | A | 0.21 | A |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 0.20 | A | 0.23 | A | 0.35 | A | 0.13 | A | 0.23 | A | 0.14 | A | 0.18 | A |
| Double/row house | 0.24 | A | 0.31 | A | 0.45 | A | 0.12 | A | 0.22 | M | 0.15 | A | 0.28 | A |
| Low-rise apartment | 0.31 | A | 0.24 | A | 0.40 | A | 0.23 | A | 0.25 | M | – | U | 0.26 | A |
| High-rise apartment | 0.23 | A | – | U | 0.27 | A | 0.19 | A | – | U | – | U | 0.24 | A |
| Mobile home | 0.29 | A | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know/not stated | 0.25 | A | – | U | – | U | 0.11 | A | – | U | – | U | – | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 0.20 | A | 0.20 | A | 0.33 | A | 0.14 | A | 0.27 | A | 0.14 | M | 0.22 | M |
| 1950 – 1969 | 0.22 | A | 0.21 | A | 0.37 | A | 0.14 | A | 0.24 | A | 0.23 | M | 0.19 | A |
| 1970 – 1979 | 0.23 | A | 0.24 | A | 0.37 | A | 0.16 | A | 0.19 | A | 0.16 | A | 0.21 | A |
| 1980 – 1989 | 0.23 | A | 0.28 | A | 0.41 | A | 0.13 | A | 0.26 | A | 0.16 | A | 0.22 | A |
| 1990 – 1999 | 0.21 | A | 0.27 | A | 0.40 | A | 0.13 | A | 0.23 | A | 0.13 | A | 0.26 | M |
| 2000 – 2011 | 0.18 | A | 0.24 | A | 0.31 | M | 0.12 | A | 0.22 | A | 0.15 | A | 0.17 | M |
| Heated area of dwelling excluding garage | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | 0.66 | A | – | U | 0.84 | A | 0.46 | A | – | U | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.36 | A | 0.37 | A | 0.47 | A | 0.20 | A | 0.32 | A | 0.40 | M | 0.43 | A |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.29 | A | 0.30 | A | 0.45 | A | 0.19 | A | 0.32 | A | 0.21 | A | 0.23 | A |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.25 | A | 0.29 | A | 0.39 | A | 0.16 | A | 0.25 | A | 0.19 | A | 0.24 | A |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.21 | A | 0.24 | A | 0.36 | A | 0.13 | A | 0.20 | A | 0.14 | A | 0.21 | A |
| 232 or more square metres (2,501 or more square feet) | 0.15 | A | 0.19 | A | 0.27 | A | 0.12 | A | 0.19 | A | 0.12 | A | 0.12 | A |
| Occupation mode | | | | | | | | | | | | | | |
| Own | 0.19 | A | 0.23 | A | 0.35 | A | 0.13 | A | 0.22 | A | 0.15 | A | 0.20 | A |
| Rent | 0.33 | A | 0.27 | A | 0.46 | A | 0.21 | A | 0.31 | A | 0.38 | M | 0.32 | M |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 0.22 | A | 0.25 | A | 0.34 | A | 0.15 | A | 0.24 | A | 0.16 | A | 0.19 | A |
| 2 members | 0.22 | A | 0.23 | A | 0.41 | A | 0.15 | A | 0.23 | A | 0.14 | A | 0.20 | A |
| 3 members | 0.21 | A | 0.24 | A | 0.39 | A | 0.13 | A | 0.19 | M | 0.18 | A | 0.26 | A |
| 4 or more members | 0.20 | A | 0.26 | A | 0.38 | A | 0.13 | A | 0.27 | A | 0.16 | A | 0.20 | M |
| Not stated | 0.20 | A | – | U | – | U | 0.16 | A | – | U | – | U | – | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Households with only 25 to 44 year old members | 0.23 | A | 0.28 | A | 0.44 | A | 0.13 | A | 0.18 | M | 0.21 | M | – | U |
| Households with only 45 to 64 year old members | 0.21 | A | 0.22 | A | 0.36 | A | 0.14 | A | 0.25 | A | 0.13 | A | 0.18 | A |
| Households with only 65 + year old members | 0.22 | A | 0.25 | A | 0.36 | A | 0.15 | A | 0.21 | A | 0.15 | A | 0.19 | A |
| Households with adults and children 0 to 12 only | 0.20 | A | 0.24 | A | 0.36 | A | 0.14 | A | 0.22 | A | 0.17 | A | 0.21 | M |
| Households with adults and teens 13 to 19 only | 0.22 | A | 0.26 | A | 0.43 | A | 0.13 | A | 0.30 | A | 0.16 | A | 0.23 | M |
| Households with adults and members 0 to 12 and 13 to 19 | 0.20 | A | 0.22 | M | 0.37 | A | 0.12 | A | 0.24 | A | – | U | – | U |
| Other compositions | 0.21 | A | 0.27 | A | 0.41 | A | 0.14 | A | 0.22 | A | 0.16 | A | 0.19 | A |
| Not stated | 0.20 | A | – | U | – | U | 0.16 | A | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.5 – Electricity intensity per heated area (excluding garage) (2/4)

| Gigajoules of electricity consumed per heated area (GJ/m ²) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Gigajoules per heated square metre | 0.20 A | 0.24 A | 0.31 A | 0.23 A | 0.29 A | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 0.19 A | 0.22 A | 0.35 A | – U | – – | |
| 1950 – 1969 | 0.21 A | 0.29 A | 0.31 A | 0.19 M | – U | |
| 1970 – 1979 | 0.22 A | 0.26 A | 0.29 A | 0.26 A | 0.37 M | |
| 1980 – 1989 | 0.21 A | 0.27 A | 0.37 A | 0.21 A | – U | |
| 1990 – 1999 | 0.19 A | 0.25 M | 0.28 A | 0.23 A | – U | |
| 2000 – 2011 | 0.16 A | 0.21 A | 0.26 A | 0.24 A | – U | |
| Heated area of dwelling excluding garage | | | | | | |
| 56 square metres or less (600 square feet or less) | 0.90 A | – U | 0.63 A | 0.28 M | – U | |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.50 A | 0.48 A | 0.29 A | 0.25 A | – U | |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.36 A | 0.25 A | 0.26 A | 0.21 A | 0.29 M | |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.27 A | 0.22 A | 0.27 M | – U | – U | |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.22 A | 0.20 A | – U | – U | – U | |
| 232 or more square metres (2,501 or more square feet) | 0.15 A | 0.13 A | – U | – U | – U | |
| Occupation mode | | | | | | |
| Own | 0.19 A | 0.21 A | 0.27 A | 0.22 A | 0.29 A | |
| Rent | 0.33 A | 0.40 A | 0.32 A | 0.23 A | – U | |
| Number of people in the household | | | | | | |
| 1 member | 0.18 A | 0.23 A | 0.30 A | 0.24 A | – U | |
| 2 members | 0.21 A | 0.27 A | 0.31 A | 0.22 A | 0.25 A | |
| 3 members | 0.21 A | 0.21 A | 0.33 A | – U | – U | |
| 4 or more members | 0.19 A | 0.25 A | – U | – U | – U | |
| Not stated | 0.17 A | – U | – U | – U | – U | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | – U | – U | – U | – U | – – | |
| Households with only 25 to 44 year old members | 0.19 A | 0.20 M | 0.33 A | – U | – U | |
| Households with only 45 to 64 year old members | 0.19 A | 0.28 M | 0.26 A | 0.20 A | 0.31 M | |
| Households with only 65 + year old members | 0.21 A | 0.22 A | 0.31 A | 0.23 A | – U | |
| Households with adults and children 0 to 12 only | 0.19 A | 0.25 A | 0.35 M | – U | – U | |
| Households with adults and teens 13 to 19 only | 0.21 A | 0.21 A | – U | – U | – U | |
| Households with adults and members 0 to 12 and 13 to 19 | 0.19 A | – U | – U | – U | – – | |
| Other compositions | 0.19 A | 0.27 A | 0.31 A | – U | – U | |
| Not stated | 0.17 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.5 – Electricity intensity per heated area (excluding garage) (3/4)

| Gigajoules of electricity consumed per heated area (GJ/m ²) by region | | | | | | | | | | | | | | |
|---|--------|---|----------|---|--------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | 0.22 | A | – | U | 0.36 | A | 0.14 | A | 0.26 | M | 0.15 | A | 0.27 | A |
| No | 0.28 | A | 0.25 | A | 0.40 | A | 0.18 | A | 0.28 | A | – | U | 0.25 | A |
| Valid skip | 0.20 | A | 0.24 | A | 0.38 | A | 0.13 | A | 0.23 | A | 0.15 | A | 0.18 | A |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 0.21 | A | 0.22 | A | – | U | 0.14 | A | 0.21 | A | 0.21 | M | 0.29 | M |
| Household income | | | | | | | | | | | | | | |
| Less than \$20,000 | 0.26 | A | 0.29 | A | 0.37 | A | 0.18 | A | 0.25 | M | – | U | – | U |
| \$20,000 to less than \$40,000 | 0.27 | A | 0.23 | A | 0.44 | A | 0.14 | A | 0.26 | A | 0.17 | M | 0.34 | A |
| \$40,000 to less than \$60,000 | 0.25 | A | 0.23 | A | 0.41 | A | 0.15 | A | 0.26 | A | 0.16 | A | 0.22 | A |
| \$60,000 to less than \$80,000 | 0.22 | A | 0.22 | A | 0.38 | A | 0.14 | A | 0.25 | A | 0.17 | A | 0.21 | A |
| \$80,000 to less than \$100,000 | 0.21 | A | 0.24 | A | 0.41 | A | 0.14 | A | 0.24 | A | 0.12 | A | 0.15 | M |
| \$100,000 to less than \$150,000 | 0.20 | A | 0.27 | A | 0.36 | A | 0.13 | A | 0.23 | A | 0.14 | A | 0.22 | A |
| \$150,000 and over | 0.18 | A | 0.26 | A | 0.35 | A | 0.12 | A | 0.22 | A | 0.17 | A | 0.14 | A |
| Not stated | 0.18 | A | 0.22 | A | 0.27 | M | 0.14 | A | 0.21 | A | 0.18 | A | 0.22 | A |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 0.31 | A | 0.24 | A | 0.51 | A | 0.14 | A | 0.26 | M | – | U | – | U |
| Grade 11 to 13, graduate | 0.21 | A | 0.23 | A | 0.41 | A | 0.16 | A | 0.27 | A | 0.17 | A | 0.15 | M |
| Some postsecondary or postsecondary certificate or diploma | 0.24 | A | 0.24 | A | 0.38 | A | 0.14 | A | 0.25 | A | 0.16 | A | 0.19 | A |
| University | 0.19 | A | 0.24 | A | 0.35 | A | 0.13 | A | 0.21 | A | 0.15 | A | 0.23 | A |
| Not stated | 0.21 | A | 0.20 | A | – | U | 0.14 | A | 0.23 | A | 0.22 | M | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.5 – Electricity intensity per heated area (excluding garage) (4/4)

| Gigajoules of electricity consumed per heated area (GJ/m ²) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 0.21 M | 0.26 A | 0.21 A | – – | |
| No | – – | 0.22 A | 0.32 A | 0.23 A | – – | |
| Valid skip | 0.20 A | 0.28 A | – – | – – | 0.29 A | |
| Don't know | – – | – U | – U | – U | – – | |
| Not stated | 0.17 A | – U | – U | – U | – U | |
| Household income | | | | | | |
| Less than \$20,000 | 0.22 A | 0.29 A | 0.35 A | 0.17 M | – U | |
| \$20,000 to less than \$40,000 | 0.23 A | 0.36 A | 0.28 A | 0.23 M | – U | |
| \$40,000 to less than \$60,000 | 0.24 A | 0.26 M | 0.31 A | 0.21 A | – U | |
| \$60,000 to less than \$80,000 | 0.21 A | 0.26 A | 0.31 A | 0.28 A | – U | |
| \$80,000 to less than \$100,000 | 0.20 A | 0.21 A | 0.31 A | – U | – U | |
| \$100,000 to less than \$150,000 | 0.20 A | 0.20 A | – U | – U | – U | |
| \$150,000 and over | 0.17 A | 0.16 A | – U | – U | – U | |
| Not stated | 0.16 A | 0.19 A | 0.40 A | 0.20 A | – U | |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 0.29 A | – U | 0.33 M | – U | – U | |
| Grade 11 to 13, graduate | 0.19 A | 0.28 A | 0.34 A | 0.18 M | – U | |
| Some postsecondary or postsecondary certificate or diploma | 0.22 A | 0.27 A | 0.34 A | 0.23 A | 0.24 A | |
| University | 0.18 A | 0.22 A | 0.27 A | 0.24 A | – U | |
| Not stated | 0.18 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.6 – Natural gas consumption by households (1/4)

Gigajoules of natural gas consumed by households (GJ) by region

| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
|---|-------------|---|----------|---|------------|---|-------------|---|---------------------------|---|-------------|---|---------------------|---|
| Gigajoules | 657,054,541 | A | - | U | 21,150,309 | M | 357,815,884 | A | 52,609,619 | A | 137,048,577 | A | 87,299,880 | A |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 514,849,577 | A | - | U | 10,145,581 | M | 288,813,764 | A | 40,216,465 | A | 110,427,102 | A | 64,464,425 | A |
| Double/row house | 73,179,017 | A | - | - | - | U | 46,034,447 | A | - | U | 11,251,657 | M | 9,456,830 | M |
| Low-rise apartment | 20,246,599 | A | - | U | - | U | 5,867,902 | M | - | U | - | U | 5,398,767 | M |
| High-rise apartment | 20,710,487 | M | - | U | - | U | 8,599,887 | M | - | U | - | U | - | U |
| Mobile home | 8,627,675 | M | - | - | - | - | - | U | - | U | - | U | - | U |
| Don't know/not stated | 19,441,185 | M | - | - | - | U | 8,309,504 | M | - | U | - | U | - | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 78,813,132 | A | - | U | - | U | 50,140,435 | A | 7,980,899 | M | - | U | - | U |
| 1950 – 1969 | 123,544,885 | A | - | U | 5,138,112 | M | 65,106,434 | A | 13,675,536 | A | 25,899,662 | A | 13,497,786 | M |
| 1970 – 1979 | 116,214,152 | A | - | U | - | U | 61,210,573 | M | 10,323,856 | A | 30,085,238 | A | 11,518,521 | M |
| 1980 – 1989 | 109,624,591 | A | - | U | - | U | 68,646,559 | A | 7,063,228 | A | 14,426,968 | M | 17,518,051 | M |
| 1990 – 1999 | 92,436,534 | A | - | U | - | U | 42,524,326 | A | 4,614,440 | M | 25,271,175 | M | 16,307,537 | M |
| 2000 – 2011 | 136,421,247 | A | - | U | - | U | 70,187,558 | A | 8,951,660 | M | 30,405,546 | A | - | U |
| Heated area of dwelling excluding garage | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | 10,686,533 | M | - | - | - | U | - | U | - | U | - | U | - | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 33,755,733 | A | - | U | - | U | 11,519,961 | M | 5,207,364 | M | - | U | 8,129,165 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 66,532,449 | A | - | U | - | U | 25,341,784 | A | 6,311,323 | M | 15,678,907 | M | 13,924,726 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 110,566,188 | A | - | U | - | U | 61,017,284 | A | 11,146,587 | A | 17,943,449 | M | 14,961,574 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 125,752,679 | A | - | U | - | U | 61,888,941 | A | 13,450,411 | A | 31,762,131 | A | 14,964,458 | M |
| 232 or more square metres (2,501 or more square feet) | 309,760,958 | A | - | U | - | U | 194,016,444 | A | 15,621,571 | A | 62,579,155 | A | 32,521,006 | A |
| Occupation mode | | | | | | | | | | | | | | |
| Own | 599,102,134 | A | - | U | 13,767,549 | M | 330,676,278 | A | 46,899,206 | A | 125,870,680 | A | 80,948,308 | A |
| Rent | 57,952,407 | A | - | U | - | U | 27,139,606 | A | 5,710,413 | M | 11,177,897 | M | - | U |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 96,468,272 | A | - | U | - | U | 44,162,006 | A | 9,551,025 | A | 21,777,408 | M | 15,916,338 | M |
| 2 members | 194,334,371 | A | - | U | - | U | 96,677,048 | A | 19,784,255 | A | 41,013,510 | A | 29,337,396 | A |
| 3 members | 115,231,002 | A | - | U | - | U | 65,145,097 | A | 8,373,536 | A | 26,354,171 | A | 11,282,268 | M |
| 4 or more members | 216,180,081 | A | - | U | - | U | 137,612,919 | A | 12,898,144 | A | 36,285,079 | A | 24,426,836 | M |
| Not stated | 34,840,816 | A | - | - | - | U | 14,218,815 | M | - | U | - | U | - | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | - | U | - | - | - | - | - | U | - | U | - | U | - | U |
| Households with only 25 to 44 year old members | 40,218,665 | A | - | - | - | U | 20,314,874 | M | - | U | - | U | - | U |
| Households with only 45 to 64 year old members | 116,128,252 | A | - | U | - | U | 54,005,312 | A | 11,012,089 | A | 26,640,137 | A | 20,361,156 | M |
| Households with only 65 + year old members | 80,690,229 | A | - | U | - | U | 34,963,378 | A | 8,932,129 | A | 18,017,485 | M | 12,061,424 | M |
| Households with adults and children 0 to 12 only | 123,514,421 | A | - | U | - | U | 71,521,054 | A | 8,397,133 | A | 23,529,146 | A | - | U |
| Households with adults and teens 13 to 19 only | 82,277,202 | A | - | - | - | U | 49,599,011 | A | 5,126,097 | M | 14,248,330 | M | 13,012,875 | M |
| Households with adults and members 0 to 12 and 13 to 19 | 34,422,365 | A | - | - | - | U | 20,611,091 | M | - | U | - | U | - | U |
| Other compositions | 143,377,961 | A | - | U | - | U | 92,255,337 | A | 8,089,621 | A | 28,107,338 | A | 10,159,098 | M |
| Not stated | 34,840,816 | A | - | - | - | U | 14,218,815 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.6 – Natural gas consumption by households (2/4)

| Gigajoules of natural gas consumed by households (GJ) by type of dwelling ¹ | | | | | | | | | | |
|--|------------------------|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | |
| Gigajoules | 514,849,577 | A | 73,179,017 | A | 20,246,599 | A | 20,710,487 | M | 8,627,675 | M |
| Type of dwelling | | | | | | | | | | |
| Single detached house | | | | | | | | | | |
| Double/row house | | | | | | | | | | |
| Low-rise apartment | | | | | | | | | | |
| High-rise apartment | | | | | | | | | | |
| Mobile home | | | | | | | | | | |
| Don't know/not stated | | | | | | | | | | |
| Dwelling construction date | | | | | | | | | | |
| Before 1950 | 67,956,181 | A | - | U | - | U | - | - | - | - |
| 1950 – 1969 | 104,447,624 | A | 7,798,304 | M | - | U | - | U | - | U |
| 1970 – 1979 | 93,285,264 | A | 13,006,456 | A | - | U | - | U | - | U |
| 1980 – 1989 | 92,867,965 | A | 8,187,755 | M | - | U | - | U | - | U |
| 1990 – 1999 | 65,778,337 | A | 15,198,672 | M | - | U | - | U | - | U |
| 2000 – 2011 | 90,514,207 | A | 22,468,990 | M | 5,911,737 | M | - | U | - | U |
| Heated area of dwelling excluding garage | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | - | U | - | U | - | U | - | U | - | - |
| 56 to 93 square metres (601 to 1,000 square feet) | 7,644,706 | M | - | U | 8,361,481 | M | 8,774,529 | M | - | U |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 27,640,704 | A | 17,503,231 | M | 4,671,495 | M | - | U | - | U |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 82,875,637 | A | 20,772,296 | A | - | U | - | U | - | U |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 106,041,009 | A | 14,114,266 | M | - | U | - | - | - | U |
| 232 or more square metres (2,501 or more square feet) | 285,879,958 | A | 15,938,760 | M | - | U | - | U | - | U |
| Occupation mode | | | | | | | | | | |
| Own | 494,225,249 | A | 58,985,703 | A | 10,820,733 | M | 9,057,921 | M | 8,627,675 | M |
| Rent | 20,624,329 | M | 14,193,314 | M | 9,425,867 | M | - | U | - | - |
| Number of people in the household | | | | | | | | | | |
| 1 member | 61,244,380 | A | 11,922,973 | A | 9,023,952 | M | 7,778,903 | M | - | U |
| 2 members | 141,749,826 | A | 29,951,330 | M | 8,352,712 | M | - | U | - | U |
| 3 members | 94,049,463 | A | 12,533,718 | M | - | U | - | U | - | U |
| 4 or more members | 192,564,927 | A | 13,587,778 | M | - | U | - | U | - | U |
| Not stated | 25,240,981 | M | - | U | - | U | - | U | - | U |
| Occupant demographics | | | | | | | | | | |
| Households with only 18 to 24 year old members | - | U | - | U | - | U | - | U | - | - |
| Households with only 25 to 44 year old members | 22,185,901 | M | - | U | - | U | - | U | - | - |
| Households with only 45 to 64 year old members | 90,188,638 | A | 12,144,237 | M | 3,335,870 | M | - | U | - | U |
| Households with only 65 + year old members | 52,078,651 | A | 10,696,167 | M | 7,014,541 | M | - | U | - | U |
| Households with adults and children 0 to 12 only | 102,732,681 | A | 12,663,696 | M | - | U | - | U | - | U |
| Households with adults and teens 13 to 19 only | 72,406,529 | A | 7,573,430 | M | - | U | - | U | - | U |
| Households with adults and members 0 to 12 and 13 to 19 | 28,699,966 | A | - | U | - | U | - | - | - | - |
| Other compositions | 120,808,291 | A | 12,842,882 | M | - | U | - | U | - | U |
| Not stated | 25,240,981 | M | - | U | - | U | - | U | - | U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.6 – Natural gas consumption by households (3/4)

| Gigajoules of natural gas consumed by households (GJ) by region | | | | | | | | | | | | | | |
|---|-------------|---|----------|---|------------|---|-------------|---|---------------------------|---|-------------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | 33,288,193 | A | - | U | - | U | 15,182,681 | M | - | U | - | U | 9,245,963 | M |
| No | 40,614,797 | A | - | U | - | U | 22,066,791 | A | - | U | - | U | - | U |
| Valid skip | 529,394,749 | A | - | U | 11,543,231 | M | 297,408,923 | A | 41,259,393 | A | 111,744,097 | A | 66,656,865 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 52,739,565 | A | - | - | - | U | 22,451,410 | A | 4,633,901 | M | - | U | - | U |
| Household income | | | | | | | | | | | | | | |
| Less than \$20,000 | 15,909,405 | A | - | U | - | U | 8,819,865 | M | - | U | - | U | - | U |
| \$20,000 to less than \$40,000 | 50,045,624 | A | - | U | - | U | 25,908,689 | A | 6,035,570 | M | 10,754,794 | M | 5,910,412 | M |
| \$40,000 to less than \$60,000 | 62,285,174 | A | - | U | - | U | 32,738,743 | A | 8,361,487 | A | 9,565,459 | M | - | U |
| \$60,000 to less than \$80,000 | 77,629,294 | A | - | U | - | U | 46,947,823 | A | 5,535,146 | M | 11,499,725 | M | 8,202,194 | M |
| \$80,000 to less than \$100,000 | 65,840,314 | A | - | U | - | U | 28,940,986 | A | 5,574,897 | M | 10,996,411 | M | 19,192,415 | M |
| \$100,000 to less than \$150,000 | 109,172,044 | A | - | U | - | U | 55,478,739 | A | 9,166,356 | M | 25,408,643 | A | 15,663,603 | M |
| \$150,000 and over | 108,128,313 | A | - | U | - | U | 56,710,980 | A | 7,189,735 | M | 32,500,607 | M | 8,387,137 | M |
| Not stated | 168,044,373 | A | - | U | - | U | 102,270,060 | A | 8,660,024 | A | 33,040,294 | M | 18,979,326 | M |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 18,722,576 | M | - | U | - | U | 10,302,386 | M | - | U | - | U | - | U |
| Grade 11 to 13, graduate | 67,589,411 | A | - | U | - | U | 31,172,435 | A | 6,801,021 | A | 12,705,382 | M | 15,671,399 | M |
| Some postsecondary or postsecondary certificate or diploma | 129,902,838 | A | - | U | - | U | 70,211,465 | A | 13,730,852 | A | 27,283,306 | A | 13,395,458 | M |
| University | 397,363,658 | A | - | U | 12,363,138 | M | 227,505,755 | A | 25,927,840 | A | 81,192,496 | A | 49,780,647 | A |
| Not stated | 43,476,057 | A | - | - | - | U | 18,623,844 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.6 – Natural gas consumption by households (4/4)

| Gigajoules of natural gas consumed by households (GJ) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 17,308,889 M | 9,718,626 M | 6,260,677 M | – – | |
| No | – – | 18,439,243 A | 10,363,208 M | – U | – – | |
| Valid skip | 489,608,597 A | 31,230,430 A | – – | – – | 8,555,723 M | |
| Don't know | – – | – U | – – | – – | – – | |
| Not stated | 25,240,981 M | – U | – U | – U | – U | |
| Household income | | | | | | |
| Less than \$20,000 | 10,805,228 M | – U | – U | – U | – U | |
| \$20,000 to less than \$40,000 | 33,960,100 A | 7,230,461 M | – U | – U | – U | |
| \$40,000 to less than \$60,000 | 46,029,299 A | 7,266,941 M | 3,977,502 M | – U | – U | |
| \$60,000 to less than \$80,000 | 53,903,587 A | 11,561,176 M | – U | – U | – U | |
| \$80,000 to less than \$100,000 | 49,749,017 A | 9,934,040 M | – U | – U | – U | |
| \$100,000 to less than \$150,000 | 93,073,921 A | 7,642,583 M | – U | – U | – U | |
| \$150,000 and over | 91,016,807 A | – U | – U | – U | – U | |
| Not stated | 136,311,617 A | 19,624,685 M | – U | – U | – U | |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 10,712,417 M | – U | – U | – – | – U | |
| Grade 11 to 13, graduate | 53,830,469 A | 5,089,738 M | – U | – U | – U | |
| Some postsecondary or postsecondary certificate or diploma | 101,626,513 A | 12,907,000 M | 4,293,785 M | – U | – U | |
| University | 317,679,034 A | 45,029,466 A | 8,303,888 M | – U | – U | |
| Not stated | 31,001,145 M | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.7 – Natural gas energy intensity per heated area (excluding garage) (1/4)

Gigajoules of natural gas consumed per heated area using natural gas (GJ/m²) by region

| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia |
|---|--------|----------|--------|---------|---------------------------|---------|---------------------|
| Gigajoules per heated square metre | 0.42 A | - U | 0.45 A | 0.40 A | 0.45 A | 0.52 A | 0.38 A |
| Type of dwelling | | | | | | | |
| Single detached house | 0.41 A | - U | 0.38 A | 0.39 A | 0.42 A | 0.49 A | 0.36 A |
| Double/row house | 0.43 A | - - | - U | 0.41 A | - U | 0.55 A | 0.44 A |
| Low-rise apartment | 0.48 A | - U | - U | 0.52 A | - U | - U | 0.40 A |
| High-rise apartment | 0.68 A | - U | - U | 0.54 M | - U | - U | - U |
| Mobile home | 0.73 A | - - | - - | - U | - U | - U | - U |
| Don't know/not stated | 0.48 A | - - | - U | 0.42 A | - U | - U | - U |
| Dwelling construction date | | | | | | | |
| Before 1950 | 0.48 A | - U | - U | 0.46 A | 0.57 A | 0.56 A | 0.52 A |
| 1950 – 1969 | 0.45 A | - U | 0.36 A | 0.42 A | 0.49 A | 0.57 A | 0.45 A |
| 1970 – 1979 | 0.44 A | - U | - U | 0.43 A | 0.38 A | 0.51 A | 0.38 A |
| 1980 – 1989 | 0.41 A | - U | - U | 0.40 A | 0.39 A | 0.49 A | 0.41 A |
| 1990 – 1999 | 0.40 A | - U | - U | 0.35 A | 0.42 A | 0.48 A | 0.38 A |
| 2000 – 2011 | 0.38 A | - U | - U | 0.34 A | 0.47 A | 0.51 A | 0.31 A |
| Heated area of dwelling excluding garage | | | | | | | |
| 56 square metres or less (600 square feet or less) | 1.38 A | - - | - U | - U | - U | - U | - U |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.63 A | - U | - U | 0.63 A | 0.72 A | - U | 0.50 M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.61 A | - U | - U | 0.56 A | 0.73 A | 0.74 A | 0.53 A |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.50 A | - U | - U | 0.47 A | 0.53 A | 0.60 A | 0.53 A |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.45 A | - U | - U | 0.42 A | 0.45 A | 0.49 A | 0.51 A |
| 232 or more square metres (2,501 or more square feet) | 0.35 A | - U | - U | 0.35 A | 0.31 A | 0.45 A | 0.26 A |
| Occupation mode | | | | | | | |
| Own | 0.41 A | - U | 0.37 A | 0.39 A | 0.43 A | 0.50 A | 0.37 A |
| Rent | 0.64 A | - U | - U | 0.54 A | 0.63 A | 0.88 A | - U |
| Number of people in the household | | | | | | | |
| 1 member | 0.23 A | - U | - U | 0.41 A | 0.57 A | 0.55 A | 0.48 A |
| 2 members | 0.24 A | - U | 0.56 M | 0.40 A | 0.47 A | 0.52 A | 0.37 A |
| 3 members | 0.27 A | - U | - U | 0.38 A | 0.37 M | 0.54 A | 0.47 A |
| 4 or more members | 0.28 A | - U | - U | 0.40 A | 0.42 A | 0.47 A | 0.33 A |
| Not stated | 0.22 M | - - | - U | 0.37 A | - U | - U | - U |
| Occupant demographics | | | | | | | |
| Households with only 18 to 24 year old members | - U | - - | - - | - U | - U | - U | - U |
| Households with only 25 to 44 year old members | 0.44 A | - - | - U | 0.41 A | - U | - U | - U |
| Households with only 45 to 64 year old members | 0.42 A | - U | - U | 0.38 A | 0.52 A | 0.49 A | 0.41 A |
| Households with only 65 + year old members | 0.47 A | - U | - U | 0.41 A | 0.48 A | 0.54 A | 0.45 A |
| Households with adults and children 0 to 12 only | 0.39 A | - U | - U | 0.39 A | 0.37 A | 0.49 A | 0.35 A |
| Households with adults and teens 13 to 19 only | 0.41 A | - - | - U | 0.39 A | 0.45 A | 0.48 A | 0.41 A |
| Households with adults and members 0 to 12 and 13 to 19 | 0.40 A | - - | - U | 0.38 A | - U | - U | - U |
| Other compositions | 0.43 A | - U | - U | 0.42 A | 0.43 A | 0.57 A | 0.32 A |
| Not stated | 0.41 A | - - | - U | 0.37 A | - U | - U | - U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.7 – Natural gas energy intensity per heated area (excluding garage) (2/4)

| Gigajoules of natural gas consumed per heated area using natural gas (GJ/m ²) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Gigajoules per heated square metre | 0.41 A | 0.43 A | 0.48 A | 0.68 A | 0.73 A | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 0.47 A | - U | - U | - - | - - | |
| 1950 – 1969 | 0.45 A | 0.49 A | - U | - U | - U | |
| 1970 – 1979 | 0.43 A | 0.46 A | - U | - U | - U | |
| 1980 – 1989 | 0.40 A | 0.43 A | - U | - U | - U | |
| 1990 – 1999 | 0.37 A | 0.40 A | 0.61 M | - U | - U | |
| 2000 – 2011 | 0.34 A | 0.42 A | 0.54 A | - U | - U | |
| Heated area of dwelling excluding garage | | | | | | |
| 56 square metres or less (600 square feet or less) | - U | - U | - U | - U | - - | |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.86 A | - U | 0.37 A | 0.83 A | - U | |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.69 A | 0.55 A | 0.53 A | - U | - U | |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.52 A | 0.41 A | - U | - U | - U | |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.45 A | 0.43 A | - U | - - | - U | |
| 232 or more square metres (2,501 or more square feet) | 0.35 A | 0.35 A | - U | - U | - U | |
| Occupation mode | | | | | | |
| Own | 0.40 A | 0.41 A | 0.47 A | 0.54 A | 0.73 A | |
| Rent | 0.67 A | 0.56 A | 0.49 M | 0.86 A | - - | |
| Number of people in the household | | | | | | |
| 1 member | 0.43 A | 0.46 A | 0.55 M | 0.74 A | - U | |
| 2 members | 0.41 A | 0.43 A | 0.44 A | 0.82 M | - U | |
| 3 members | 0.41 A | 0.38 A | - U | - U | - U | |
| 4 or more members | 0.39 A | 0.46 A | - U | - U | - U | |
| Not stated | 0.39 A | - U | - U | - U | - U | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | - U | - U | - U | - U | - - | |
| Households with only 25 to 44 year old members | 0.41 A | - U | - U | - U | - - | |
| Households with only 45 to 64 year old members | 0.41 A | 0.41 A | 0.39 A | - U | - U | |
| Households with only 65 + year old members | 0.43 A | 0.45 A | 0.68 M | - U | - U | |
| Households with adults and children 0 to 12 only | 0.38 A | 0.41 A | - U | - U | - U | |
| Households with adults and teens 13 to 19 only | 0.40 A | 0.49 A | - U | - U | - U | |
| Households with adults and members 0 to 12 and 13 to 19 | 0.38 A | - U | - U | - - | - - | |
| Other compositions | 0.43 A | 0.40 A | - U | - U | - U | |
| Not stated | 0.39 A | - U | - U | - U | - U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.7 – Natural gas energy intensity per heated area (excluding garage) (3/4)

Gigajoules of natural gas consumed per heated area using natural gas (GJ/m²) by region

| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia |
|---|--------|----------|--------|---------|---------------------------|---------|---------------------|
| Dwelling part of a condominium | | | | | | | |
| Yes | 0.43 A | - U | - U | 0.39 A | - U | - U | 0.42 A |
| No | 0.55 A | - U | - U | 0.49 A | - U | - U | - U |
| Valid skip | 0.41 A | - U | 0.37 A | 0.39 A | 0.43 A | 0.50 A | 0.37 A |
| Don't know | - U | - - | - - | - U | - - | - - | - U |
| Not stated | 0.43 A | - - | - U | 0.39 A | 0.39 A | - U | - U |
| Household income | | | | | | | |
| Less than \$20,000 | 0.54 A | - U | - U | 0.49 A | - U | - U | - U |
| \$20,000 to less than \$40,000 | 0.46 A | - U | - U | 0.39 A | 0.57 A | 0.62 A | 0.56 A |
| \$40,000 to less than \$60,000 | 0.45 A | - U | - U | 0.41 A | 0.52 A | 0.52 A | 0.50 A |
| \$60,000 to less than \$80,000 | 0.44 A | - U | - U | 0.44 A | 0.45 A | 0.47 A | 0.32 A |
| \$80,000 to less than \$100,000 | 0.41 A | - U | - U | 0.41 A | 0.43 A | 0.53 A | 0.35 A |
| \$100,000 to less than \$150,000 | 0.42 A | - U | - U | 0.38 A | 0.48 A | 0.50 A | 0.45 A |
| \$150,000 and over | 0.38 A | - U | - U | 0.35 A | 0.41 A | 0.50 A | 0.29 A |
| Not stated | 0.42 A | - U | - U | 0.41 A | 0.34 A | 0.51 A | 0.37 A |
| Highest level of education ever completed by any member of the household | | | | | | | |
| 0 to 8 years or some secondary | 0.59 A | - U | - U | 0.51 A | - U | - U | - U |
| Grade 11 to 13, graduate | 0.39 A | - U | - U | 0.39 A | 0.49 A | 0.47 A | 0.33 M |
| Some postsecondary or postsecondary certificate or diploma | 0.43 A | - U | - U | 0.42 A | 0.48 A | 0.52 A | 0.35 A |
| University | 0.42 A | - U | 0.44 M | 0.39 A | 0.41 A | 0.52 A | 0.41 A |
| Not stated | 0.41 A | - - | - U | 0.37 A | - U | - U | - U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.7 – Natural gas energy intensity per heated area (excluding garage) (4/4)

| Gigajoules of natural gas consumed per heated area using natural gas (GJ/m ²) by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | – – | 0.40 A | 0.46 A | 0.50 M | – – | |
| No | – – | 0.46 A | 0.49 M | 0.94 A | – – | |
| Valid skip | 0.41 A | 0.42 A | – – | – – | 0.73 A | |
| Don't know | – – | – U | – – | – – | – – | |
| Not stated | 0.39 A | – U | – U | – U | – U | |
| Household income | | | | | | |
| Less than \$20,000 | 0.50 A | – U | – U | – U | – U | |
| \$20,000 to less than \$40,000 | 0.44 A | 0.42 A | 0.55 A | – U | – U | |
| \$40,000 to less than \$60,000 | 0.44 A | 0.44 A | 0.48 A | – U | – U | |
| \$60,000 to less than \$80,000 | 0.42 A | 0.44 A | – U | – U | – U | |
| \$80,000 to less than \$100,000 | 0.39 A | 0.47 A | – U | – U | – U | |
| \$100,000 to less than \$150,000 | 0.42 A | 0.40 A | – U | – U | – U | |
| \$150,000 and over | 0.37 A | 0.38 A | – U | – U | – U | |
| Not stated | 0.40 A | 0.46 A | – U | – U | – U | |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 0.52 A | – U | – U | – – | – U | |
| Grade 11 to 13, graduate | 0.38 A | 0.43 A | – U | – U | – U | |
| Some postsecondary or postsecondary certificate or diploma | 0.42 A | 0.44 A | 0.37 A | – U | – U | |
| University | 0.40 A | 0.42 A | 0.45 A | 0.80 A | – U | |
| Not stated | 0.39 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.8 – Other energy consumption by households (1/4)

| Gigajoules of other energy consumed by households (GJ) by region | | | | | | | | | | | | | | |
|--|-------------|---|------------|---|------------|---|------------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Gigajoules | 229,816,006 | A | 57,184,093 | A | 93,033,095 | A | 56,821,506 | A | 4,022,815 | M | 6,422,264 | M | 12,332,232 | M |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 206,445,953 | A | 47,307,615 | A | 86,517,423 | A | 53,173,622 | A | 3,295,068 | M | 6,055,819 | M | 10,096,406 | M |
| Double/row house | 10,829,042 | M | 3,920,586 | M | – | U | – | U | – | U | – | U | – | U |
| Low-rise apartment | 5,108,231 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| High-rise apartment | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Mobile home | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know/not stated | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 42,365,176 | A | 12,931,717 | A | 11,826,395 | M | 15,115,410 | M | – | U | – | U | – | U |
| 1950 – 1969 | 49,214,175 | A | 12,449,702 | A | 25,856,134 | M | 6,098,050 | M | – | U | – | U | 3,242,174 | M |
| 1970 – 1979 | 55,751,369 | A | 12,657,301 | A | 25,416,976 | M | 12,784,443 | M | – | U | – | U | – | U |
| 1980 – 1989 | 34,963,054 | A | 7,488,381 | A | 14,482,763 | M | 8,058,305 | M | – | U | – | U | – | U |
| 1990 – 1999 | 26,862,505 | A | 6,273,942 | M | 7,974,744 | M | 9,147,604 | M | – | U | – | U | – | U |
| 2000 – 2011 | 20,659,727 | M | 5,383,051 | M | 7,476,084 | M | – | U | – | U | – | U | – | U |
| Heated area of dwelling excluding garage | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 10,380,196 | M | 5,957,547 | M | – | U | – | U | – | U | – | U | – | U |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 30,540,273 | M | 6,937,782 | A | – | U | 7,532,532 | M | – | U | – | U | – | U |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 47,930,006 | A | 8,683,158 | A | 26,170,930 | M | – | U | – | U | – | U | 3,546,399 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 59,339,661 | A | 11,251,919 | A | 27,001,974 | M | 14,526,856 | M | – | U | – | U | – | U |
| 232 or more square metres (2,501 or more square feet) | 79,867,878 | A | 23,285,116 | A | 23,614,891 | A | 26,129,412 | A | – | U | – | U | 3,870,384 | M |
| Occupation mode | | | | | | | | | | | | | | |
| Own | 211,560,337 | A | 49,429,379 | A | 85,633,302 | A | 55,707,785 | A | 3,901,250 | M | 6,334,043 | M | 10,554,578 | M |
| Rent | 18,255,669 | M | 7,754,714 | M | – | U | – | U | – | U | – | U | – | U |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 37,112,719 | A | 8,601,244 | A | 14,145,752 | M | – | U | – | U | – | U | – | U |
| 2 members | 96,529,656 | A | 24,598,373 | A | 39,710,977 | M | 22,580,015 | A | 844,773 | M | – | U | 4,544,873 | M |
| 3 members | 36,765,050 | A | 12,029,288 | A | 13,463,535 | M | 8,987,705 | M | – | U | – | U | – | U |
| 4 or more members | 52,099,938 | A | 9,525,667 | A | 22,220,115 | A | 14,414,756 | M | – | U | – | U | – | U |
| Not stated | 7,308,644 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Households with only 25 to 44 year old members | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Households with only 45 to 64 year old members | 65,187,069 | A | 18,882,190 | A | 19,734,777 | M | 17,312,370 | M | – | U | – | U | 3,923,652 | M |
| Households with only 65 + year old members | 35,300,728 | A | 8,678,521 | A | 14,202,045 | M | 9,739,768 | M | – | U | – | U | 1,830,322 | M |
| Households with adults and children 0 to 12 only | 30,374,226 | A | 6,777,141 | M | 15,383,127 | M | 6,193,811 | M | – | U | – | U | – | U |
| Households with adults and teens 13 to 19 only | 24,044,558 | A | 6,465,476 | M | 9,629,699 | M | 4,611,180 | M | – | U | – | U | – | U |
| Households with adults and members 0 to 12 and 13 to 19 | 13,544,673 | M | 3,173,221 | M | – | U | – | U | – | U | – | U | – | U |
| Other compositions | 44,362,231 | A | 9,820,433 | A | 19,570,911 | M | 12,051,413 | M | – | U | – | U | 1,837,863 | M |
| Not stated | 7,308,644 | M | – | U | – | U | – | U | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.8 – Other energy consumption by households (2/4)

| Gigajoules of other energy consumed by households (GJ) by type of dwelling ¹ | | | | | | | | | | |
|---|------------------------|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | |
| Gigajoules | 206,445,953 | A | 10,829,042 | M | 5,108,231 | M | - | U | - | U |
| Type of dwelling | | | | | | | | | | |
| Single detached house | | | | | | | | | | |
| Double/row house | | | | | | | | | | |
| Low-rise apartment | | | | | | | | | | |
| High-rise apartment | | | | | | | | | | |
| Mobile home | | | | | | | | | | |
| Don't know/not stated | | | | | | | | | | |
| Dwelling construction date | | | | | | | | | | |
| Before 1950 | 39,186,815 | A | - | U | - | U | - | - | - | - |
| 1950 – 1969 | 40,863,355 | A | - | U | - | U | - | - | - | U |
| 1970 – 1979 | 50,393,767 | A | - | U | - | U | - | U | - | U |
| 1980 – 1989 | 32,122,900 | A | - | U | - | U | - | - | - | U |
| 1990 – 1999 | 24,723,808 | A | - | U | - | U | - | - | - | U |
| 2000 – 2011 | 19,155,309 | M | - | U | - | U | - | - | - | U |
| Heated area of dwelling excluding garage | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | - | U | - | U | - | U | - | - | - | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 5,469,083 | M | - | U | - | U | - | - | - | U |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 24,912,371 | M | - | U | - | U | - | U | - | U |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 43,512,940 | A | - | U | - | U | - | - | - | U |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 56,013,021 | A | - | U | - | - | - | - | - | U |
| 232 or more square metres (2,501 or more square feet) | 76,017,228 | A | - | U | - | U | - | - | - | U |
| Occupation mode | | | | | | | | | | |
| Own | 195,935,420 | A | 8,376,092 | M | - | U | - | U | - | U |
| Rent | - | U | - | U | 4,303,405 | M | - | - | - | U |
| Number of people in the household | | | | | | | | | | |
| 1 member | 28,598,566 | M | - | U | - | U | - | - | - | U |
| 2 members | 90,158,172 | A | 3,146,889 | M | - | U | - | U | - | U |
| 3 members | 33,558,384 | A | - | U | - | U | - | - | - | U |
| 4 or more members | 48,494,483 | A | - | U | - | U | - | - | - | U |
| Not stated | 5,636,349 | M | - | U | - | U | - | - | - | U |
| Occupant demographics | | | | | | | | | | |
| Households with only 18 to 24 year old members | - | - | - | U | - | U | - | - | - | - |
| Households with only 25 to 44 year old members | - | U | - | U | - | U | - | - | - | - |
| Households with only 45 to 64 year old members | 58,323,633 | A | - | U | - | U | - | U | - | U |
| Households with only 65 + year old members | 30,469,031 | A | - | U | - | U | - | - | - | U |
| Households with adults and children 0 to 12 only | 27,211,375 | A | - | U | - | U | - | - | - | U |
| Households with adults and teens 13 to 19 only | 23,249,934 | A | - | U | - | - | - | - | - | U |
| Households with adults and members 0 to 12 and 13 to 19 | 12,644,876 | M | - | U | - | U | - | - | - | - |
| Other compositions | 40,443,255 | A | - | U | - | U | - | - | - | U |
| Not stated | 5,636,349 | M | - | U | - | U | - | - | - | U |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.8 – Other energy consumption by households (3/4)

| Gigajoules of other energy consumed by households (GJ) by region | | | | | | | | | | | | | | |
|---|-------------|---|------------|---|------------|---|------------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Dwelling part of a condominium | | | | | | | | | | | | | | |
| Yes | - | U | - | U | - | U | - | U | - | - | - | U | - | U |
| No | 4,806,633 | M | - | U | - | U | - | U | - | U | - | - | - | U |
| Valid skip | 213,465,751 | A | 50,503,438 | A | 88,336,228 | A | 53,367,756 | A | 3,586,166 | M | 6,028,011 | M | 11,644,152 | M |
| Don't know | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Not stated | 10,207,759 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Household income | | | | | | | | | | | | | | |
| Less than \$20,000 | 11,079,184 | M | 5,248,062 | M | - | U | - | U | - | U | - | U | - | U |
| \$20,000 to less than \$40,000 | 36,484,809 | M | 9,894,520 | A | - | U | - | U | - | U | - | U | - | U |
| \$40,000 to less than \$60,000 | 35,783,586 | A | 7,956,647 | M | 18,808,093 | M | - | U | - | U | - | U | - | U |
| \$60,000 to less than \$80,000 | 35,367,241 | A | 10,286,189 | A | 18,068,486 | M | 3,716,468 | M | - | U | - | U | 2,047,259 | M |
| \$80,000 to less than \$100,000 | 21,743,627 | A | 4,916,191 | M | 11,111,455 | M | 4,417,602 | M | - | U | - | U | - | U |
| \$100,000 to less than \$150,000 | 28,158,705 | A | 4,585,432 | A | 11,529,120 | M | 8,419,053 | M | - | U | - | U | - | U |
| \$150,000 and over | 18,233,855 | A | 2,373,283 | M | 8,254,839 | M | 5,528,411 | M | - | U | - | U | - | U |
| Not stated | 42,965,000 | A | 11,923,770 | M | 8,660,976 | M | 17,027,368 | M | - | U | - | U | - | U |
| Highest level of education ever completed by any member of the household | | | | | | | | | | | | | | |
| 0 to 8 years or some secondary | 25,363,526 | M | 6,188,645 | M | - | U | - | U | - | U | - | U | - | U |
| Grade 11 to 13, graduate | 33,891,968 | A | 10,460,630 | M | 8,574,425 | M | 11,503,935 | M | - | U | - | U | - | U |
| Some postsecondary or postsecondary certificate or diploma | 73,498,117 | A | 18,636,283 | A | 37,305,604 | A | 12,954,280 | M | 1,044,823 | M | - | U | 2,782,955 | M |
| University | 87,171,441 | A | 18,964,707 | A | 30,642,733 | A | 24,624,642 | A | - | U | - | U | 7,148,729 | M |
| Not stated | 9,890,953 | M | - | U | - | U | - | U | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.8 – Other energy consumption by households (4/4)

| Gigajoules of other energy consumed by households (GJ) by type of dwelling ¹ | | | | | | |
|---|------------------------|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | - - | - U | - U | - U | - - | - - |
| No | - - | - U | 4,026,485 M | - - | - - | - - |
| Valid skip | 201,161,985 A | 8,384,106 M | - - | - - | - - | - U |
| Don't know | - - | - - | - - | - - | - - | - - |
| Not stated | 5,283,968 M | - U | - U | - - | - - | - U |
| Household income | | | | | | |
| Less than \$20,000 | 6,897,121 M | - U | - U | - - | - - | - U |
| \$20,000 to less than \$40,000 | 30,569,156 M | - U | - U | - - | - - | - U |
| \$40,000 to less than \$60,000 | 34,373,149 A | - U | - U | - - | - - | - U |
| \$60,000 to less than \$80,000 | 31,832,102 A | - U | - U | - - | - - | - U |
| \$80,000 to less than \$100,000 | 19,903,859 A | - U | - U | - U | - - | - U |
| \$100,000 to less than \$150,000 | 26,841,553 A | - U | - U | - - | - - | - U |
| \$150,000 and over | 17,358,208 M | - U | - - | - - | - - | - - |
| Not stated | 38,670,804 A | - U | - U | - - | - - | - U |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 21,544,554 M | - U | - U | - - | - - | - U |
| Grade 11 to 13, graduate | 28,228,125 A | - U | - U | - U | - - | - U |
| Some postsecondary or postsecondary certificate or diploma | 67,862,109 A | - U | - U | - - | - - | - U |
| University | 80,665,680 A | 2,774,636 M | - U | - - | - - | - U |
| Not stated | 8,145,485 M | - U | - U | - - | - - | - U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.9 – Other energy intensity per heated area (excluding garage) (1/4)

Gigajoules of other energy consumed per heated area (GJ/m²) by region

| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
|---|--------|---|----------|---|--------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| Gigajoules per heated square metre | 0.33 | A | 0.44 | A | 0.40 | A | 0.27 | A | 0.22 | M | 0.14 | M | 0.24 | A |
| Type of dwelling | | | | | | | | | | | | | | |
| Single detached house | 0.33 | A | 0.43 | A | 0.41 | A | 0.28 | A | 0.23 | M | 0.14 | M | 0.22 | A |
| Double/row house | 0.31 | M | 0.56 | M | - | U | - | U | - | U | - | U | - | U |
| Low-rise apartment | 0.38 | M | - | U | - | U | - | U | - | U | - | - | - | U |
| High-rise apartment | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Mobile home | 0.69 | M | - | U | - | - | - | U | - | U | - | U | - | U |
| Don't know/not stated | 0.24 | M | - | U | - | U | - | U | - | U | - | - | - | U |
| Dwelling construction date | | | | | | | | | | | | | | |
| Before 1950 | 0.39 | A | 0.53 | A | 0.44 | A | 0.34 | M | - | U | - | U | - | U |
| 1950 – 1969 | 0.39 | A | 0.41 | A | 0.54 | A | 0.23 | A | - | U | - | U | 0.26 | A |
| 1970 – 1979 | 0.39 | A | 0.44 | A | 0.44 | A | 0.40 | M | - | U | - | U | - | U |
| 1980 – 1989 | 0.25 | A | 0.41 | A | 0.40 | A | 0.14 | M | - | U | - | U | 0.26 | M |
| 1990 – 1999 | 0.29 | A | 0.43 | A | 0.31 | M | 0.28 | M | - | U | - | U | - | U |
| 2000 – 2011 | 0.25 | M | 0.38 | A | - | U | - | U | - | U | - | U | - | U |
| Heated area of dwelling excluding garage | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | - | U | - | U | - | U | - | U | - | U | - | - | - | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.69 | A | 0.93 | A | - | U | - | U | - | U | - | U | - | U |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.69 | A | 0.64 | A | 0.83 | M | 0.63 | M | - | U | - | U | - | U |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.43 | A | 0.46 | A | 0.50 | A | 0.39 | M | - | U | - | U | 0.29 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.40 | A | 0.42 | A | 0.43 | A | 0.50 | A | 0.30 | M | - | U | - | U |
| 232 or more square metres (2,501 or more square feet) | 0.22 | A | 0.35 | A | 0.25 | M | 0.18 | M | 0.12 | M | 0.07 | M | 0.16 | A |
| Occupation mode | | | | | | | | | | | | | | |
| Own | 0.32 | A | 0.42 | A | 0.39 | A | 0.27 | A | 0.22 | M | 0.14 | M | 0.22 | A |
| Rent | 0.55 | M | 0.56 | M | - | U | - | U | - | U | - | U | - | U |
| Number of people in the household | | | | | | | | | | | | | | |
| 1 member | 0.44 | A | 0.53 | A | 0.43 | A | 0.52 | M | - | U | - | U | 0.33 | M |
| 2 members | 0.40 | A | 0.45 | A | 0.52 | A | 0.33 | A | 0.14 | M | 0.26 | M | 0.22 | A |
| 3 members | 0.33 | A | 0.40 | A | 0.46 | A | 0.25 | M | - | U | - | U | - | U |
| 4 or more members | 0.25 | A | 0.38 | A | 0.34 | A | 0.18 | M | - | U | - | U | - | U |
| Not stated | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Occupant demographics | | | | | | | | | | | | | | |
| Households with only 18 to 24 year old members | - | U | - | U | - | U | - | - | - | - | - | - | - | - |
| Households with only 25 to 44 year old members | 0.51 | M | - | U | - | U | - | U | - | - | - | U | - | U |
| Households with only 45 to 64 year old members | 0.43 | A | 0.49 | A | 0.50 | A | 0.45 | A | - | U | - | U | 0.30 | M |
| Households with only 65 + year old members | 0.37 | A | 0.44 | A | 0.41 | A | 0.35 | M | - | U | - | U | 0.20 | M |
| Households with adults and children 0 to 12 only | 0.27 | A | 0.42 | A | 0.37 | A | - | U | - | U | - | U | - | U |
| Households with adults and teens 13 to 19 only | 0.26 | A | 0.43 | A | 0.35 | M | 0.16 | M | - | U | - | U | - | U |
| Households with adults and members 0 to 12 and 13 to 19 | 0.31 | M | 0.35 | A | - | U | - | U | - | U | - | U | - | U |
| Other compositions | 0.34 | A | 0.40 | A | 0.52 | M | 0.23 | M | - | U | - | U | 0.24 | M |
| Not stated | - | U | - | U | - | U | - | U | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.9 – Other energy intensity per heated area (excluding garage) (2/4)

| Gigajoules of other energy consumed per heated area by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Gigajoules per heated square metre | 0.33 A | 0.31 M | 0.38 M | – U | 0.69 M | |
| Type of dwelling | | | | | | |
| Single detached house | | | | | | |
| Double/row house | | | | | | |
| Low-rise apartment | | | | | | |
| High-rise apartment | | | | | | |
| Mobile home | | | | | | |
| Don't know/not stated | | | | | | |
| Dwelling construction date | | | | | | |
| Before 1950 | 0.39 A | – U | – U | – – | – – | |
| 1950 – 1969 | 0.40 A | – U | – U | – – | – U | |
| 1970 – 1979 | 0.39 A | – U | – U | – U | – U | |
| 1980 – 1989 | 0.26 A | – U | – U | – – | – U | |
| 1990 – 1999 | 0.29 A | – U | – U | – – | – U | |
| 2000 – 2011 | 0.25 M | – U | – U | – – | – U | |
| Heated area of dwelling excluding garage | | | | | | |
| 56 square metres or less (600 square feet or less) | – U | – U | – U | – – | – U | |
| 56 to 93 square metres (601 to 1,000 square feet) | 0.93 M | – U | – U | – – | – U | |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 0.77 A | – U | – U | – U | – U | |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 0.46 A | – U | – U | – – | – U | |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 0.41 A | – U | – – | – – | – U | |
| 232 or more square metres (2,501 or more square feet) | 0.22 A | – U | – U | – – | – U | |
| Occupation mode | | | | | | |
| Own | 0.33 A | 0.27 M | – U | – U | – U | |
| Rent | 0.61 M | – U | 0.41 M | – – | – U | |
| Number of people in the household | | | | | | |
| 1 member | 0.46 A | – U | – U | – – | – U | |
| 2 members | 0.40 A | 0.40 A | – U | – U | – U | |
| 3 members | 0.35 A | – U | – U | – – | – U | |
| 4 or more members | 0.24 A | – U | – U | – – | – U | |
| Not stated | – U | – U | – U | – – | – U | |
| Occupant demographics | | | | | | |
| Households with only 18 to 24 year old members | – – | – U | – U | – – | – – | |
| Households with only 25 to 44 year old members | – U | – U | – U | – – | – – | |
| Households with only 45 to 64 year old members | 0.44 A | – U | – U | – U | – U | |
| Households with only 65 + year old members | 0.37 A | – U | – U | – – | – U | |
| Households with adults and children 0 to 12 only | 0.27 A | – U | – U | – – | – U | |
| Households with adults and teens 13 to 19 only | 0.25 A | – U | – – | – – | – U | |
| Households with adults and members 0 to 12 and 13 to 19 | 0.31 M | – U | – U | – – | – – | |
| Other compositions | 0.35 A | – U | – U | – – | – U | |
| Not stated | – U | – U | – U | – – | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.9 – Other energy intensity per heated area (excluding garage) (3/4)

Gigajoules of other energy consumed per heated area (GJ/m²) by region

| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia |
|---|--------|----------|--------|---------|---------------------------|---------|---------------------|
| Dwelling part of a condominium | | | | | | | |
| Yes | – U | – U | – U | – U | – – | – U | – U |
| No | 0.38 M | – U | – U | – U | – U | – – | – U |
| Valid skip | 0.35 A | 0.44 A | 0.45 A | 0.27 A | 0.24 M | 0.15 M | 0.24 A |
| Don't know | – – | – – | – – | – – | – – | – – | – – |
| Not stated | 0.18 M | – U | – U | – U | – U | – U | – U |
| Household income | | | | | | | |
| Less than \$20,000 | 0.50 A | 0.64 A | – U | – U | – U | – U | – U |
| \$20,000 to less than \$40,000 | 0.56 A | 0.56 A | 0.65 M | 0.52 M | – U | – U | – U |
| \$40,000 to less than \$60,000 | 0.42 A | 0.51 A | 0.45 A | 0.37 M | – U | – U | – U |
| \$60,000 to less than \$80,000 | 0.38 A | 0.42 A | 0.49 M | 0.24 M | – U | – U | 0.25 M |
| \$80,000 to less than \$100,000 | 0.34 A | 0.44 A | 0.47 A | 0.24 A | – U | – U | – U |
| \$100,000 to less than \$150,000 | 0.26 A | 0.27 A | 0.41 A | 0.25 M | – U | – U | – U |
| \$150,000 and over | 0.23 A | 0.28 M | 0.33 M | 0.20 M | – U | – U | – U |
| Not stated | 0.25 A | 0.43 A | – U | 0.23 M | – U | – U | – U |
| Highest level of education ever completed by any member of the household | | | | | | | |
| 0 to 8 years or some secondary | 0.64 A | 0.59 A | – U | – U | – U | – U | – U |
| Grade 11 to 13, graduate | 0.45 A | 0.47 A | 0.57 M | 0.54 M | – U | – U | – U |
| Some postsecondary or postsecondary certificate or diploma | 0.38 A | 0.48 A | 0.45 A | 0.26 M | 0.22 M | – U | 0.23 M |
| University | 0.27 A | 0.36 A | 0.37 A | 0.20 A | – U | 0.18 M | 0.22 A |
| Not stated | 0.19 M | – U | – U | – U | – U | – U | – U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 3.9 – Other energy intensity per heated area (excluding garage) (4/4)

| Gigajoules of other energy consumed per heated area by type of dwelling ¹ | | | | | | |
|--|------------------------|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling part of a condominium | | | | | | |
| Yes | - - | - U | - U | - U | - - | - - |
| No | - - | - U | 0.40 M | - - | - - | - - |
| Valid skip | 0.35 A | 0.34 M | - - | - - | - - | - U |
| Don't know | - - | - - | - - | - - | - - | - - |
| Not stated | - U | - U | - U | - - | - - | - U |
| Household income | | | | | | |
| Less than \$20,000 | 0.53 A | - U | - U | - - | - - | - U |
| \$20,000 to less than \$40,000 | 0.54 A | - U | - U | - - | - - | - U |
| \$40,000 to less than \$60,000 | 0.43 A | - U | - U | - - | - - | - U |
| \$60,000 to less than \$80,000 | 0.39 A | - U | - U | - - | - - | - U |
| \$80,000 to less than \$100,000 | 0.36 A | - U | - U | - U | - - | - U |
| \$100,000 to less than \$150,000 | 0.27 A | - U | - U | - - | - - | - U |
| \$150,000 and over | 0.23 A | - U | - - | - - | - - | - - |
| Not stated | 0.25 A | - U | - U | - - | - - | - U |
| Highest level of education ever completed by any member of the household | | | | | | |
| 0 to 8 years or some secondary | 0.66 M | - U | - U | - - | - - | - U |
| Grade 11 to 13, graduate | 0.45 A | - U | - U | - U | - U | - U |
| Some postsecondary or postsecondary certificate or diploma | 0.38 A | - U | - U | - - | - - | - U |
| University | 0.27 A | - U | - U | - - | - - | - U |
| Not stated | - U | - U | - U | - - | - - | - U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 4



Dwelling characteristics

Table 4.1 – Size of dwelling (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|---------------|---|-------------|---|---------------|---|---------------------------|---|-------------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Number | 13,599,121 | A | 979,905 | A | 3,386,215 | A | 5,063,479 | A | 889,272 | A | 1,448,753 | A | 1,831,497 | A |
| Heated area of dwelling (excluding garage) | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | 791,926 | A | – | U | 354,126 | M | 230,908 | M | – | U | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 2,225,319 | A | 157,748 | A | 576,054 | A | 599,276 | A | 173,959 | A | 230,828 | M | 487,454 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 2,003,648 | A | 170,590 | A | 611,690 | A | 621,261 | A | 104,067 | M | 193,210 | M | 302,831 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 2,434,922 | A | 164,747 | A | 661,437 | A | 942,924 | A | 160,868 | A | 182,847 | M | 322,100 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 2,360,621 | A | 171,950 | A | 627,613 | A | 825,767 | A | 170,334 | A | 360,316 | A | 204,641 | M |
| 232 or more square metres (2,501 or more square feet) | 3,782,684 | A | 280,297 | A | 555,294 | A | 1,843,343 | A | 229,960 | A | 455,836 | A | 417,954 | A |
| Number of storeys in dwelling | | | | | | | | | | | | | | |
| One storey | 4,086,859 | A | 393,850 | A | 1,012,038 | A | 1,178,413 | A | 367,966 | A | 596,271 | A | 538,321 | A |
| One and a half storeys | 631,448 | A | 72,498 | A | 103,115 | M | 310,012 | A | 56,332 | M | 55,363 | M | 34,128 | M |
| Two storeys | 3,256,858 | A | 167,576 | A | 626,935 | A | 1,585,103 | A | 133,709 | A | 360,527 | A | 383,009 | A |
| More than two storeys | 414,500 | A | 19,166 | M | – | U | 248,778 | M | – | U | – | U | – | U |
| Split level | 456,087 | A | 23,629 | M | – | U | 257,576 | M | – | U | 62,765 | M | – | U |
| Other | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | – | – | U | – | – | – | – | – | – |
| Not stated | 350,210 | A | – | U | 159,069 | M | 72,299 | M | – | U | – | U | – | U |
| Total heated area in square metres (m²) | | | | | | | | | | | | | | |
| Total heated area (excluding garage) | 2,574,921,860 | A | 183,699,356 | A | 539,317,559 | A | 1,085,694,098 | A | 158,595,013 | A | 287,252,215 | A | 320,363,621 | A |
| Heated area of dwelling (excluding garage) | | | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | 37,132,143 | A | – | U | 15,839,317 | M | 11,440,418 | M | – | U | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 174,049,283 | A | 13,258,721 | A | 45,048,055 | A | 45,341,532 | A | 13,970,311 | A | 17,556,102 | M | 38,874,561 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 234,111,838 | A | 20,242,777 | A | 69,644,832 | A | 73,279,068 | A | 12,108,953 | M | 22,550,898 | M | 36,285,310 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 404,253,795 | A | 27,701,498 | A | 109,243,185 | A | 157,070,714 | A | 27,589,331 | A | 30,466,368 | M | 52,182,699 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 493,612,070 | A | 35,503,363 | A | 128,719,364 | A | 174,494,210 | A | 35,735,916 | A | 75,600,953 | A | 43,558,264 | M |
| 232 or more square metres (2,501 or more square feet) | 1,231,762,731 | A | 85,635,041 | A | 170,822,806 | A | 624,068,154 | A | 66,914,366 | A | 140,024,469 | A | 144,297,896 | A |
| Number of storeys in dwelling | | | | | | | | | | | | | | |
| One storey | 863,720,397 | A | 66,686,096 | M | 320,363,621 | A | 32,229,637 | A | – | U | – | U | 34,622,158 | A |
| One and a half storeys | 141,230,872 | A | – | U | 80,619,183 | A | – | U | 124,831,584 | A | – | U | – | U |
| Two storeys | 846,924,363 | A | 183,699,356 | A | 13,810,745 | A | – | U | 33,180,400 | M | 135,166,420 | A | – | U |
| More than two storeys | 108,032,891 | A | 539,317,559 | A | 41,148,862 | A | 194,883,668 | A | 272,096,763 | A | – | U | – | U |
| Split level | 113,430,278 | M | 1,085,694,098 | A | 4,145,870 | M | 23,030,323 | M | 72,237,171 | A | – | U | 23,323,058 | A |
| Other | 16,303,666 | M | 158,595,013 | A | 5,354,908 | M | 144,396,032 | A | 444,343,099 | A | 76,588,545 | A | – | U |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | – |
| Not stated | 80,275,915 | A | 287,252,215 | A | – | U | – | U | 67,503,806 | M | 10,742,581 | M | 128,304,626 | A |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.1 – Size of dwelling (2/2)

| | Number of households by year of construction | | | | | | | | | | | |
|---|--|---|-------------|---|-------------|---|-------------|---|-------------|---|-------------|---|
| | Before 1950 | | 1950-1969 | | 1970-1979 | | 1980-1989 | | 1990-1999 | | 2000-2011 | |
| Number | 1,436,759 | A | 2,552,079 | A | 2,658,046 | A | 2,489,605 | A | 2,162,868 | A | 2,299,764 | A |
| Heated area of dwelling (excluding garage) | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | – | U | 120,487 | M | 170,927 | M | 206,209 | M | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 170,196 | M | 477,344 | A | 400,658 | A | 491,927 | M | 501,073 | M | 184,121 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 227,475 | A | 365,221 | A | 373,763 | A | 296,078 | A | 319,405 | M | 421,706 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 342,111 | A | 558,433 | A | 498,266 | A | 464,516 | A | 277,420 | A | 294,177 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 287,060 | A | 510,302 | A | 564,413 | A | 367,370 | A | 278,235 | A | 353,242 | M |
| 232 or more square metres (2,501 or more square feet) | 372,259 | A | 520,293 | A | 650,020 | A | 663,505 | A | 639,025 | A | 937,582 | A |
| Number of storeys in dwelling | | | | | | | | | | | | |
| One storey | 241,635 | A | 1,152,045 | A | 1,039,678 | A | 635,513 | A | 415,782 | A | 602,206 | A |
| One and a half storeys | 228,018 | A | 138,851 | M | 72,706 | M | 75,854 | M | 51,058 | M | 64,960 | M |
| Two storeys | 504,732 | A | 346,534 | M | 387,107 | A | 609,162 | A | 623,369 | A | 785,955 | A |
| More than two storeys | 113,257 | M | – | U | – | U | 58,855 | M | – | U | – | U |
| Split level | – | U | 118,565 | M | – | U | 118,756 | M | – | U | – | U |
| Other | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | – | U | 42,817 | M | 96,019 | M | – | U | – | U | – | U |
| Total heated area in square metres (m²) | | | | | | | | | | | | |
| Total heated area (excluding garage) | 273,338,452 | A | 444,440,565 | A | 490,665,385 | A | 454,584,455 | A | 398,980,429 | A | 512,912,574 | A |
| Heated area of dwelling (excluding garage) | | | | | | | | | | | | |
| 56 square metres or less (600 square feet or less) | – | U | 5,002,022 | M | 8,167,391 | M | 9,447,738 | M | – | U | – | U |
| 56 to 93 square metres (601 to 1,000 square feet) | 13,089,107 | M | 36,231,344 | A | 30,431,755 | A | 38,977,407 | M | 40,520,268 | M | 14,799,402 | M |
| 93 to 139 square metres (1,001 to 1,500 square feet) | 26,940,676 | A | 43,010,509 | A | 42,886,973 | A | 34,987,447 | A | 37,623,241 | A | 48,662,993 | M |
| 139 to 186 square metres (1,501 to 2,000 square feet) | 56,995,347 | A | 93,607,613 | A | 83,330,608 | A | 76,282,759 | A | 46,295,126 | A | 47,742,342 | M |
| 186 to 232 square metres (2,001 to 2,500 square feet) | 60,208,375 | A | 106,800,149 | A | 117,294,154 | A | 77,088,939 | A | 58,357,188 | A | 73,863,265 | M |
| 232 or more square metres (2,501 or more square feet) | 114,357,230 | A | 159,788,928 | A | 208,554,504 | A | 217,800,166 | A | 208,874,269 | A | 322,387,634 | A |
| Number of storeys in dwelling | | | | | | | | | | | | |
| One storey | 42,894,901 | A | 230,077,618 | A | 223,299,324 | A | 129,671,441 | A | 97,542,535 | A | 140,234,577 | A |
| One and a half storeys | 43,062,597 | A | 30,060,115 | M | 17,435,518 | M | 17,778,353 | M | 14,018,654 | M | 18,875,634 | M |
| Two storeys | 111,763,399 | A | 71,875,959 | A | 92,473,813 | A | 169,792,814 | A | 165,616,654 | A | 235,401,723 | A |
| More than two storeys | 33,950,103 | M | – | U | – | U | 15,103,189 | M | – | U | – | U |
| Split level | – | U | 27,446,604 | M | – | U | 26,593,732 | M | – | U | – | U |
| Other | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | – | U | – | U | 19,585,583 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.2 – Foundation (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Dwelling has a basement for foundation | | | | | | | | | | | | | | |
| Yes | 7,359,689 | A | 560,647 | A | 1,569,421 | A | 3,229,133 | A | 543,652 | A | 933,742 | A | 523,093 | A |
| No | 1,445,959 | A | 119,787 | A | 237,025 | A | 284,470 | A | 57,857 | M | 174,144 | M | 572,676 | A |
| Don't know | 151,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 344,570 | A | – | U | 161,702 | M | – | U | – | U | – | U | – | U |
| Dwelling has a crawl space for foundation | | | | | | | | | | | | | | |
| Yes | 946,914 | A | 83,883 | A | 92,956 | M | 332,297 | A | 66,335 | M | 107,467 | M | 263,977 | A |
| No | 7,858,734 | A | 596,551 | A | 1,713,491 | A | 3,181,306 | A | 535,174 | A | 1,000,419 | A | 831,793 | A |
| Don't know | 151,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 344,570 | A | – | U | 161,702 | M | – | U | – | U | – | U | – | U |
| Dwelling has concret slabs for foundation | | | | | | | | | | | | | | |
| Yes | 905,750 | A | 40,082 | M | 286,560 | A | 173,082 | M | – | U | – | U | 341,078 | M |
| No | 7,899,898 | A | 640,352 | A | 1,519,887 | A | 3,340,521 | A | 582,005 | A | 1,062,441 | A | 754,692 | A |
| Don't know | 151,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 344,570 | A | – | U | 161,702 | M | – | U | – | U | – | U | – | U |
| Dwelling has pillars for foundation | | | | | | | | | | | | | | |
| Yes | 119,206 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| No | 8,686,442 | A | 669,352 | A | 1,784,395 | A | 3,480,948 | A | 589,782 | A | 1,076,356 | A | 1,085,608 | A |
| Don't know | 151,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 344,570 | A | – | U | 161,702 | M | – | U | – | U | – | U | – | U |
| Other type of dwelling foundation | | | | | | | | | | | | | | |
| Yes | 142,260 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| No | 8,663,388 | A | 665,967 | A | 1,796,304 | A | 3,475,918 | A | 587,490 | A | 1,064,042 | A | 1,073,666 | A |
| Don't know | 151,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 344,570 | A | – | U | 161,702 | M | – | U | – | U | – | U | – | U |
| Dwelling has no foundation | | | | | | | | | | | | | | |
| Yes | 82,720 | M | – | U | – | – | – | U | – | U | – | U | – | U |
| No | 8,722,928 | A | 655,163 | A | 1,806,446 | A | 3,511,750 | A | 595,906 | A | 1,082,218 | A | 1,071,444 | A |
| Don't know | 151,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 344,570 | A | – | U | 161,702 | M | – | U | – | U | – | U | – | U |
| Basement/crawl space is heated | | | | | | | | | | | | | | |
| Yes | 7,157,597 | A | 472,549 | A | 1,607,853 | A | 3,094,933 | A | 535,912 | A | 923,470 | A | 522,880 | A |
| No | 740,690 | A | 132,160 | A | – | U | 246,987 | A | 32,894 | M | – | U | 200,694 | M |
| Don't know | – | U | – | U | – | – | – | U | – | U | – | U | – | U |
| Not stated | 453,222 | A | – | U | 159,836 | M | 136,112 | M | – | U | – | U | – | U |
| Any of the basement/crawl space outside walls insulated on the inside | | | | | | | | | | | | | | |
| Yes | 6,042,290 | A | 367,035 | A | 1,477,342 | A | 2,516,677 | A | 436,969 | A | 789,664 | A | 454,605 | A |
| No | 796,778 | A | 89,624 | A | 127,633 | M | 409,256 | A | 62,347 | M | 82,411 | M | – | U |
| Don't know | 457,419 | A | – | U | – | U | 194,973 | M | – | U | – | U | – | U |
| Not stated | 600,462 | A | 47,519 | M | 187,348 | M | 212,806 | M | 27,101 | M | – | U | 74,779 | M |
| Percentage of the outside walls is insulated on the inside | | | | | | | | | | | | | | |
| 25 percent or less | 120,549 | M | – | U | – | U | 81,313 | M | – | U | – | U | – | U |
| 26 to 50 percent | 400,043 | A | 32,506 | M | – | U | 254,621 | M | – | U | – | U | – | U |
| 51 to 75 percent | 437,754 | A | 24,783 | M | – | U | 178,013 | A | 35,115 | M | – | U | – | U |
| 76 to 100 percent | 3,774,442 | A | 228,565 | A | 1,063,200 | A | 1,427,827 | A | 277,734 | A | 493,634 | A | 283,483 | M |
| Don't know | 1,628,091 | A | 83,449 | M | 309,210 | A | 703,587 | A | 122,525 | A | 243,047 | A | 166,273 | M |
| Not stated | 739,292 | A | 56,057 | M | 225,077 | A | 279,096 | A | 41,667 | M | – | U | 81,789 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.2 – Foundation (2/2)

| | Number of households by year of construction | | | | | |
|--|--|-------------|-------------|-------------|-------------|-------------|
| | Before 1950 | 1950-1969 | 1970-1979 | 1980-1989 | 1990-1999 | 2000-2011 |
| Dwelling has a basement for foundation | | | | | | |
| Yes | 934,666 A | 1,536,950 A | 1,458,776 A | 1,208,227 A | 948,455 A | 1,272,615 A |
| No | 144,777 A | 227,478 A | 240,406 A | 246,433 A | 266,066 M | 320,798 M |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 41,697 M | 97,604 M | - U | - U | - U |
| Dwelling has a crawl space for foundation | | | | | | |
| Yes | 175,563 A | 256,310 A | 161,287 A | 131,484 A | 87,996 M | 134,274 M |
| No | 903,880 A | 1,508,118 A | 1,537,896 A | 1,323,175 A | 1,126,525 A | 1,459,140 A |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 41,697 M | 97,604 M | - U | - U | - U |
| Dwelling has concret slabs for foundation | | | | | | |
| Yes | 82,526 M | 134,203 M | 124,143 M | 162,635 M | 218,638 M | - U |
| No | 996,917 A | 1,630,225 A | 1,575,040 A | 1,292,024 A | 995,883 A | 1,409,808 A |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 41,697 M | 97,604 M | - U | - U | - U |
| Dwelling has pillars for foundation | | | | | | |
| Yes | - U | - U | - U | - U | - U | - U |
| No | 1,067,366 A | 1,743,279 A | 1,681,325 A | 1,433,095 A | 1,192,235 A | 1,569,142 A |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 41,697 M | 97,604 M | - U | - U | - U |
| Other type of dwelling foundation | | | | | | |
| Yes | - U | - U | - U | - U | - U | - U |
| No | 1,055,764 A | 1,740,835 A | 1,661,086 A | 1,443,269 A | 1,203,362 A | 1,559,072 A |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 41,697 M | 97,604 M | - U | - U | - U |
| Dwelling has no foundation | | | | | | |
| Yes | - U | - U | - U | - U | - U | - U |
| No | 1,075,857 A | 1,760,197 A | 1,676,760 A | 1,425,428 A | 1,210,308 A | 1,574,379 A |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 41,697 M | 97,604 M | - U | - U | - U |
| Basement/crawl space is heated | | | | | | |
| Yes | 840,744 A | 1,515,159 A | 1,463,245 A | 1,180,237 A | 922,570 A | 1,235,642 A |
| No | 176,264 A | 158,316 M | 98,108 A | 111,646 M | 69,852 M | 126,503 M |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | - U | 52,366 M | 109,384 M | 73,115 M | - U | - U |
| Any of the basement/crawl space outside walls insulated on the inside | | | | | | |
| Yes | 536,449 A | 1,108,334 A | 1,271,802 A | 1,066,085 A | 873,316 A | 1,186,304 A |
| No | 278,473 A | 272,212 A | 102,935 M | - U | - U | - U |
| Don't know | - U | 162,570 M | 106,776 M | - U | - U | - U |
| Not stated | 63,726 M | 81,758 M | 126,526 M | 99,509 M | 126,547 M | 102,397 M |
| Percentage of the outside walls is insulated on the inside | | | | | | |
| 25 percent or less | - U | - U | - U | - U | - U | - U |
| 26 to 50 percent | - U | 118,875 M | 57,238 M | 53,008 M | - U | - U |
| 51 to 75 percent | - U | 136,434 M | 111,852 M | 56,598 M | - U | - U |
| 76 to 100 percent | 235,401 A | 540,002 A | 810,095 A | 703,707 A | 576,179 A | 909,059 A |
| Don't know | 144,210 M | 408,104 A | 360,278 A | 258,924 A | 248,013 A | 208,562 M |
| Not stated | 75,010 M | 115,510 A | 152,115 M | 129,289 M | 154,415 M | 112,953 M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.3 – Attic (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|---|-----------|---|----------|---|-----------|---|-----------|---|---------------------------|---------|---------------------|---|---------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | Alberta | British Columbia | | | |
| Dwelling has an attic | | | | | | | | | | | | | | |
| Yes | 7,315,829 | A | 588,703 | A | 1,387,161 | A | 3,133,375 | A | 495,260 | A | 920,792 | A | 790,538 | A |
| No | 1,365,686 | A | 85,794 | A | 437,101 | A | 397,503 | A | 77,077 | M | 160,300 | M | 207,912 | M |
| Don't know | 266,271 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 353,779 | A | – | U | 157,421 | M | 96,846 | M | – | U | – | U | – | U |
| Dwelling has an insulated attic | | | | | | | | | | | | | | |
| Yes – on the attic floor | 5,243,822 | A | 442,507 | A | 1,034,347 | A | 2,205,987 | A | 394,626 | A | 656,758 | A | 509,596 | A |
| Yes – on the attic walls | 171,687 | M | – | U | – | U | 91,261 | M | – | U | – | U | – | U |
| Yes – on both the attic floor and walls | 872,398 | A | 70,069 | A | 107,580 | M | 390,949 | A | 33,090 | M | 139,363 | M | 131,347 | M |
| No | 147,235 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 682,954 | A | – | U | 73,203 | M | 314,740 | A | 47,882 | M | 108,730 | M | – | U |
| Not stated | 817,784 | A | 40,612 | M | 208,373 | M | 252,963 | M | 53,842 | M | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.3 – Attic (2/2)

| Number of households by year of construction | | | | | | | | | | | | |
|--|-------------|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|
| | Before 1950 | | 1950-1969 | | 1970-1979 | | 1980-1989 | | 1990-1999 | | 2000-2011 | |
| Dwelling has an attic | | | | | | | | | | | | |
| Yes | 926,169 | A | 1,508,998 | A | 1,419,764 | A | 1,225,660 | A | 948,804 | A | 1,286,434 | A |
| No | 152,061 | M | 250,996 | A | 258,860 | A | 268,198 | A | 215,504 | M | 220,067 | M |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | - | U | 43,940 | M | 101,667 | M | - | U | - | U | - | U |
| Dwelling has an insulated attic | | | | | | | | | | | | |
| Yes – on the attic floor | 664,626 | A | 1,185,114 | A | 1,025,160 | A | 867,367 | A | 676,020 | A | 825,535 | A |
| Yes – on the attic walls | - | U | - | U | - | U | - | U | - | U | - | U |
| Yes – on both the attic floor and walls | 123,623 | M | 132,151 | A | 143,830 | M | 123,009 | A | 114,790 | M | 234,995 | M |
| No | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | 66,111 | M | - | U | 86,958 | M | 124,964 | M | 106,965 | M | 176,647 | A |
| Not stated | 64,633 | M | 99,291 | M | 239,544 | M | 74,072 | M | 165,407 | M | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.4 – Garage (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|---------|---|---------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| Dwelling has a garage | | | | | | | | | | | | | | |
| Yes – attached | 4,263,190 | A | 145,492 | A | 616,564 | A | 2,167,014 | A | 223,848 | A | 417,701 | A | 692,570 | A |
| Yes – non-attached | 1,692,817 | A | 129,277 | A | 318,992 | A | 499,584 | A | 208,743 | A | 376,985 | A | 159,236 | M |
| Yes – not stated | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| No | 2,929,124 | A | 399,455 | A | 881,840 | A | 893,904 | A | 171,584 | A | 295,084 | A | 287,258 | M |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 348,155 | A | – | U | 163,560 | M | 87,572 | M | – | U | – | U | – | U |
| Amount of insulation in the garage | | | | | | | | | | | | | | |
| Full insulation – all walls and garage doors are insulated | 1,300,057 | A | 93,687 | A | 358,459 | A | 334,106 | A | 127,057 | A | 222,295 | A | 164,454 | M |
| Full insulation – all walls but not the garage doors are insulated | 1,207,743 | A | 30,705 | M | 167,939 | M | 337,343 | A | 96,506 | A | 274,451 | A | 300,799 | M |
| Partial insulation – some walls are insulated | 1,370,611 | A | 47,913 | M | 195,764 | M | 869,589 | A | 63,617 | M | 101,522 | M | 92,206 | M |
| No | 1,559,197 | A | 96,485 | A | 158,689 | M | 851,908 | A | 139,375 | A | 163,269 | M | 149,471 | M |
| Don't know | 490,170 | A | – | U | – | U | 265,387 | A | – | U | – | U | 99,320 | M |
| Not stated | 444,663 | A | – | U | 170,650 | M | 117,836 | M | – | U | – | U | – | U |
| Garage is heated | | | | | | | | | | | | | | |
| Yes | 894,419 | A | 38,174 | A | 416,405 | A | 98,394 | M | 74,387 | M | 195,192 | M | – | U |
| No | 5,050,297 | A | 242,523 | A | 513,883 | A | 2,580,035 | A | 358,543 | A | 626,065 | A | 729,247 | A |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 417,669 | A | – | U | 174,488 | M | 95,883 | M | – | U | – | U | – | U |
| Type of garage | | | | | | | | | | | | | | |
| One-car garage | 2,458,686 | A | 165,076 | A | 608,636 | A | 1,153,219 | A | 147,634 | A | 135,668 | M | 248,452 | A |
| Two-car garage | 3,225,353 | A | 101,591 | A | 308,166 | M | 1,405,812 | A | 270,536 | A | 636,786 | A | 502,463 | M |
| Three-or-more-car garage | 273,976 | A | – | U | – | U | 120,153 | M | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 408,878 | A | – | U | 166,859 | M | 96,328 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.4 – Garage (2/2)

| | Number of households by year of construction | | | | | | | | | | | |
|--|--|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|
| | Before 1950 | | 1950-1969 | | 1970-1979 | | 1980-1989 | | 1990-1999 | | 2000-2011 | |
| Dwelling has a garage | | | | | | | | | | | | |
| Yes – attached | 101,539 | M | 572,280 | A | 685,657 | A | 875,697 | A | 814,595 | A | 1,213,421 | A |
| Yes – non-attached | 363,834 | A | 523,964 | A | 270,235 | A | 221,831 | M | 170,895 | M | 142,058 | M |
| Yes – not stated | – | U | – | U | – | U | – | U | – | U | – | U |
| No | 608,760 | A | 684,469 | A | 748,178 | A | 414,189 | A | 253,588 | A | 219,939 | M |
| Don't know | – | – | – | – | – | – | – | – | – | U | – | – |
| Not stated | – | U | 54,781 | M | 104,689 | M | – | U | – | U | – | U |
| Amount of insulation in the garage | | | | | | | | | | | | |
| Full insulation – all walls and garage doors are insulated | 61,411 | M | 160,350 | M | 210,255 | A | 230,390 | A | 230,955 | A | 406,696 | A |
| Full insulation – all walls but not the garage doors are insulated | – | U | 153,753 | M | 143,381 | A | 175,471 | A | 289,107 | A | 419,847 | M |
| Partial insulation – some walls are insulated | 69,660 | M | 258,917 | M | 316,151 | M | 272,780 | A | 167,094 | A | 286,009 | M |
| No | 310,097 | A | 465,439 | A | 223,280 | A | 299,278 | A | 140,843 | M | 120,261 | M |
| Don't know | – | U | 52,536 | M | 54,618 | M | 118,171 | M | 106,826 | M | 147,204 | M |
| Not stated | – | U | 64,537 | M | 117,173 | M | – | U | – | U | – | U |
| Garage is heated | | | | | | | | | | | | |
| Yes | – | U | 164,640 | M | 170,549 | M | 128,307 | A | 179,686 | M | 226,939 | M |
| No | 453,934 | A | 931,106 | A | 781,536 | A | 969,709 | A | 759,908 | A | 1,154,103 | A |
| Don't know | – | – | – | U | – | – | – | U | – | U | – | U |
| Not stated | – | U | 58,875 | M | 112,772 | M | – | U | – | U | – | U |
| Type of garage | | | | | | | | | | | | |
| One-car garage | 325,920 | A | 639,846 | A | 398,988 | A | 494,513 | A | 303,983 | A | 295,436 | A |
| Two-car garage | 130,541 | M | 428,462 | A | 533,864 | A | 557,039 | A | 585,205 | A | 990,242 | A |
| Three-or-more-car garage | – | U | – | U | – | U | – | U | 51,195 | M | 103,760 | M |
| Don't know | – | U | – | U | – | U | – | U | – | – | – | – |
| Not stated | – | U | 55,954 | M | 109,297 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.5 – Windows (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Type of windows that are the majority in the dwelling | | | | | | | | | | | | | | |
| Standard single pane with a storm window | 583,862 | A | 63,208 | M | – | U | – | U | 34,830 | M | 67,961 | M | – | U |
| Standard single pane | 399,747 | A | 27,174 | M | – | U | 123,046 | M | – | U | – | U | – | U |
| Standard double pane | 2,182,939 | A | 169,175 | A | 446,816 | A | 781,362 | A | 150,825 | A | 326,793 | A | 307,969 | A |
| Standard double pane sealed unit | 2,990,913 | A | 198,657 | A | 631,445 | A | 1,061,590 | A | 143,466 | A | 345,013 | A | 610,741 | A |
| Standard triple pane sealed unit | 259,943 | M | – | U | – | U | – | U | 110,319 | A | – | U | – | – |
| Low-Emissivity (Low-E) coating – gas-filled double pane | 1,092,295 | A | 100,076 | A | 148,569 | M | 603,952 | A | 37,524 | M | 100,312 | M | 101,861 | M |
| Low-Emissivity (Low-E) coating – gas-filled triple pane | 192,398 | A | – | U | – | U | 57,540 | M | 72,289 | M | – | U | – | U |
| Standard gas-filled double pane | 657,148 | A | 54,369 | M | 279,998 | A | 250,377 | A | – | U | – | U | – | U |
| Standard gas-filled triple pane | 51,889 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Other | 40,809 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 1,238,585 | A | 57,553 | M | 217,737 | A | 577,140 | A | 51,147 | M | 188,133 | M | – | U |
| Not stated | 418,347 | A | 36,955 | M | 128,750 | M | 132,771 | M | – | U | – | U | – | U |
| Age of the majority of the windows | | | | | | | | | | | | | | |
| 5 years or less | 2,220,356 | A | 159,083 | A | 389,141 | A | 939,962 | A | 172,159 | A | 168,048 | M | 391,963 | M |
| 6 to 10 years | 2,055,645 | A | 153,739 | A | 483,215 | A | 883,962 | A | 99,480 | A | 255,405 | A | 179,845 | M |
| 11 to 15 years | 1,665,472 | A | 116,528 | A | 314,352 | A | 655,673 | A | 102,368 | M | 235,427 | A | 241,124 | M |
| 16 years or more | 3,256,890 | A | 236,359 | A | 750,371 | A | 1,092,607 | A | 233,234 | A | 458,847 | A | 485,472 | A |
| Don't know | 620,885 | A | 39,406 | M | – | U | 245,470 | A | 54,342 | M | – | U | 139,877 | M |
| Not stated | 289,625 | M | – | U | 99,006 | M | – | U | – | U | – | U | – | U |
| Condensation on inside surfaces of windows | | | | | | | | | | | | | | |
| Yes – on most | 1,523,653 | A | 105,403 | A | 460,332 | A | 543,497 | A | 86,823 | A | 174,323 | M | 153,275 | M |
| Yes – on some | 4,931,751 | A | 375,620 | A | 1,191,396 | A | 1,753,324 | A | 295,452 | A | 626,219 | A | 689,739 | A |
| No | 6,939,803 | A | 485,811 | A | 1,681,871 | A | 2,687,248 | A | 488,423 | A | 630,553 | A | 965,897 | A |
| Don't know | 150,845 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Air leaks or drafts around windows | | | | | | | | | | | | | | |
| Yes | 4,553,952 | A | 377,685 | A | 1,082,285 | A | 1,738,235 | A | 350,665 | A | 553,073 | A | 452,010 | M |
| No | 8,577,517 | A | 583,353 | A | 2,214,140 | A | 3,183,282 | A | 519,741 | A | 817,975 | A | 1,259,026 | A |
| Don't know | 408,583 | A | – | U | – | U | 119,622 | M | – | U | – | U | – | U |
| Not stated | – | U | – | U | – | U | – | U | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 4.5 – Windows (2/2)

| | Number of households by year of construction | | | | | |
|--|--|-------------|-------------|-------------|-------------|-------------|
| | Before 1950 | 1950-1969 | 1970-1979 | 1980-1989 | 1990-1999 | 2000-2011 |
| Type of windows that are the majority in the dwelling | | | | | | |
| Standard single pane with a storm window | 152,032 M | 170,873 M | 112,653 M | – U | – U | – U |
| Standard single pane | 45,340 M | – U | – U | – U | – U | – U |
| Standard double pane | 278,989 M | 405,985 A | 493,299 A | 350,025 A | 380,168 A | 274,474 A |
| Standard double pane sealed unit | 292,061 M | 486,661 A | 527,928 A | 590,753 A | 510,049 A | 583,460 A |
| Standard triple pane sealed unit | – U | 51,308 M | – U | 59,423 M | – U | – U |
| Low-Emissivity (Low-E) coating – gas-filled double pane | 182,415 M | 205,336 A | 211,787 A | 231,087 M | 107,206 M | 154,464 A |
| Low-Emissivity (Low-E) coating – gas-filled triple pane | – U | 46,220 M | – U | 47,270 M | – U | – U |
| Standard gas-filled double pane | 68,029 M | 108,110 M | 140,736 M | 115,313 M | 102,188 M | 122,772 M |
| Standard gas-filled triple pane | – U | – U | – U | – U | – U | – U |
| Other | – U | – U | – U | – U | – U | – U |
| Don't know | 81,972 M | 192,726 M | 115,223 M | 191,617 M | 208,630 M | 448,417 M |
| Not stated | – U | 72,766 M | 129,021 M | – U | – U | – U |
| Age of the majority of the windows | | | | | | |
| 5 years or less | 262,525 A | 356,972 A | 378,345 M | 344,082 A | 126,035 M | 752,397 A |
| 6 to 10 years | 236,096 M | 364,706 A | 360,683 A | 263,707 A | 53,653 M | 776,800 A |
| 11 to 15 years | 165,191 M | 267,028 A | 299,477 A | 165,880 M | 501,151 A | 266,745 M |
| 16 years or more | 396,341 A | 663,755 A | 703,152 A | 786,999 A | 706,643 A | – – |
| Don't know | 105,650 M | 166,018 M | 145,261 M | 113,349 M | – U | – U |
| Not stated | – U | 52,531 M | – U | – U | – U | – U |
| Condensation on inside surfaces of windows | | | | | | |
| Yes – on most | 103,042 M | 316,869 A | 367,924 M | 278,183 A | 215,825 M | 241,809 M |
| Yes – on some | 586,104 A | 962,711 A | 875,535 A | 888,677 A | 832,201 A | 786,523 A |
| No | 722,906 A | 1,245,117 A | 1,395,216 A | 1,269,784 A | 1,090,411 A | 1,216,369 A |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | – U | – U | – U | – U | – U | – U |
| Air leaks or drafts around windows | | | | | | |
| Yes | 719,084 A | 980,025 A | 987,899 A | 800,018 A | 652,911 A | 414,016 A |
| No | 649,876 A | 1,532,328 A | 1,567,775 A | 1,613,850 A | 1,434,693 A | 1,778,995 A |
| Don't know | – U | – U | 96,305 M | – U | 64,409 M | – U |
| Not stated | – U | – U | – U | – U | – U | – U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 5



Energy audit

Table 5.1 – Energy audit (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|--|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| An energy audit had been conducted in the dwelling | | | | | | | | | | | | | | |
| Yes | 1,820,701 | A | 111,804 | A | 527,379 | A | 834,364 | A | 100,303 | A | 120,937 | M | 125,914 | M |
| No | 10,275,129 | A | 795,191 | A | 2,520,254 | A | 3,714,518 | A | 689,248 | A | 1,093,199 | A | 1,462,720 | A |
| Don't know | 679,500 | A | – | U | 174,720 | M | 340,360 | A | – | U | – | U | – | U |
| Not stated | 823,791 | A | – | U | – | U | 174,237 | M | – | U | – | U | – | U |
| An energy audit had been conducted in the last 10 years | | | | | | | | | | | | | | |
| Yes | 1,679,652 | A | 105,100 | A | 458,975 | A | 798,794 | A | 94,993 | A | 115,037 | M | 106,753 | M |
| No | 106,449 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,503,290 | A | 72,911 | M | 338,583 | M | 514,596 | A | 99,721 | M | 234,617 | M | 242,863 | M |
| Changes made as a result of the audit | | | | | | | | | | | | | | |
| Yes | 1,280,165 | A | 81,370 | A | 227,172 | M | 702,527 | A | 73,497 | A | 91,017 | M | 104,582 | M |
| No | 526,721 | A | 30,188 | M | 296,074 | A | 126,080 | M | 24,133 | M | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | – | – | U |
| Not stated | 1,503,290 | A | 72,911 | M | 338,583 | M | 514,596 | A | 99,721 | M | 234,617 | M | 242,863 | M |
| A government grant was received as part of a home energy retrofit program | | | | | | | | | | | | | | |
| Yes | 843,079 | A | 59,053 | A | 67,084 | M | 546,236 | A | 67,561 | A | 52,941 | M | 50,205 | M |
| No | 849,710 | A | 43,396 | A | 422,401 | A | 223,437 | A | 30,070 | M | – | U | – | U |
| Don't know | 127,912 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,503,290 | A | 72,911 | M | 338,583 | M | 514,596 | A | 99,721 | M | 234,617 | M | 242,863 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 5.1 – Energy audit (2/2)

| | Number of households by year of construction | | | | | | | | | | | |
|--|--|---|-----------|---|-----------|---|-----------|---|-----------|---|-----------|---|
| | Before 1950 | | 1950-1969 | | 1970-1979 | | 1980-1989 | | 1990-1999 | | 2000-2011 | |
| An energy audit had been conducted in the dwelling | | | | | | | | | | | | |
| Yes | 305,439 | A | 367,008 | A | 463,777 | M | 349,903 | A | 187,720 | A | 146,854 | M |
| No | 1,045,558 | A | 1,852,101 | A | 1,875,739 | A | 1,873,407 | A | 1,756,480 | A | 1,871,845 | A |
| Don't know | - | U | 110,495 | M | 190,737 | M | 159,861 | M | 87,729 | M | 69,479 | M |
| Not stated | - | U | 222,475 | M | - | U | - | U | - | U | - | U |
| An energy audit had been conducted in the last 10 years | | | | | | | | | | | | |
| Yes | 285,936 | A | 324,698 | A | 428,355 | M | 323,456 | A | 183,356 | M | 133,851 | M |
| No | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 85,762 | M | 332,970 | M | 318,530 | M | 266,295 | M | 218,668 | M | 281,065 | M |
| Changes made as a result of the audit | | | | | | | | | | | | |
| Yes | 227,404 | A | 252,972 | A | 319,898 | M | 275,131 | A | 128,134 | M | - | U |
| No | 75,714 | M | 107,271 | M | 139,542 | M | 74,379 | M | 59,586 | M | 70,228 | M |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 85,762 | M | 332,970 | M | 318,530 | M | 266,295 | M | 218,668 | M | 281,065 | M |
| A government grant was received as part of a home energy retrofit program | | | | | | | | | | | | |
| Yes | 148,203 | M | 204,181 | A | 201,676 | M | 172,730 | A | 76,725 | M | - | U |
| No | 152,252 | M | 132,193 | A | 225,504 | M | 144,183 | M | 99,996 | M | 95,582 | M |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 85,762 | M | 332,970 | M | 318,530 | M | 266,295 | M | 218,668 | M | 281,065 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 5.2 – Dwelling improvements to reduce energy consumption (1/4)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|---------|---|---------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| Made any improvements to the dwelling that reduce energy consumption since January 1, 2000 | | | | | | | | | | | | | | |
| No improvements made | 2,329,212 | A | 165,516 | A | 496,374 | A | 763,164 | A | 191,011 | A | 357,071 | A | 356,077 | M |
| Improvements have been made | 6,117,861 | A | 474,888 | A | 1,290,701 | A | 2,611,504 | A | 388,558 | A | 664,005 | A | 688,204 | A |
| Don't know | 387,706 | A | – | U | – | U | 152,723 | M | – | U | – | U | – | U |
| Not stated | 466,785 | A | 32,755 | M | 146,665 | M | 142,681 | M | – | U | – | U | – | U |
| Households made improvements to heating equipment (including fireplaces and woodstoves) | | | | | | | | | | | | | | |
| 5 years or less | 1,637,814 | A | 101,849 | A | 309,201 | A | 783,691 | A | 101,553 | A | 175,590 | M | 165,930 | M |
| More than 5 years | 859,275 | A | 73,817 | A | 124,993 | M | 397,285 | A | 65,481 | A | 77,980 | M | 119,718 | M |
| Not stated | 1,357,759 | A | 99,610 | A | 318,343 | A | 515,906 | A | 72,924 | A | 181,049 | M | 169,926 | M |
| Total households with improvements | 3,854,848 | A | 275,276 | A | 752,537 | A | 1,696,883 | A | 239,958 | A | 434,620 | A | 455,575 | A |
| Households made improvements to windows (including patio doors) | | | | | | | | | | | | | | |
| 5 years or less | 1,958,460 | A | 161,203 | A | 329,380 | A | 976,936 | A | 131,564 | A | 198,647 | A | 160,730 | M |
| More than 5 years | 925,491 | A | 71,404 | A | 233,067 | A | 386,448 | A | 43,567 | A | 112,317 | M | 78,688 | M |
| Not stated | 1,410,179 | A | 105,755 | A | 355,882 | A | 537,781 | A | 81,891 | A | 168,024 | M | 160,846 | M |
| Total households with improvements | 4,294,130 | A | 338,361 | A | 918,330 | A | 1,901,165 | A | 257,023 | A | 478,987 | A | 400,264 | A |
| Households made improvements to caulking or weather-stripping around windows and doors | | | | | | | | | | | | | | |
| 5 years or less | 372,583 | A | 21,340 | M | – | U | 200,859 | M | – | U | – | U | – | U |
| More than 5 years | 504,232 | A | 47,530 | M | 126,025 | M | 183,446 | A | 25,384 | M | 58,151 | M | 63,697 | M |
| Not stated | 2,864,233 | A | 237,754 | A | 598,308 | A | 1,180,784 | A | 179,869 | A | 339,400 | A | 328,118 | M |
| Total households with improvements | 3,741,048 | A | 306,624 | A | 784,291 | A | 1,565,089 | A | 216,944 | A | 434,043 | A | 434,057 | A |
| Households made improvements to the insulation of the basement or crawl space walls | | | | | | | | | | | | | | |
| 5 years or less | 162,576 | A | – | U | – | U | 67,019 | M | – | U | – | U | – | U |
| More than 5 years | 387,522 | A | 29,073 | M | 83,371 | M | 161,205 | A | – | U | – | U | – | U |
| Not stated | 2,114,923 | A | 142,146 | A | 462,148 | A | 938,621 | A | 109,378 | A | 215,339 | A | 247,290 | M |
| Total households with improvements | 2,665,021 | A | 189,668 | A | 584,141 | A | 1,166,844 | A | 137,976 | A | 304,486 | A | 281,906 | M |
| Households made improvements to the insulation around the hot water pipes | | | | | | | | | | | | | | |
| 5 years or less | 595,001 | A | 24,010 | M | – | U | 367,739 | M | 28,361 | M | – | U | – | U |
| More than 5 years | 351,907 | A | 35,188 | M | – | U | 151,135 | M | – | U | – | U | – | U |
| Not stated | 1,595,222 | A | 116,522 | A | 398,702 | A | 636,880 | A | 82,253 | A | 181,867 | M | 178,998 | M |
| Total households with improvements | 2,542,130 | A | 175,720 | A | 562,658 | A | 1,155,754 | A | 123,495 | A | 253,864 | A | 270,639 | M |
| Households made improvements to the insulation of the roof or the attic | | | | | | | | | | | | | | |
| 5 years or less | 642,464 | A | 78,108 | M | 92,819 | M | 274,653 | A | 29,174 | M | 99,915 | M | – | U |
| More than 5 years | 363,575 | A | 35,745 | M | – | U | 154,964 | M | – | U | – | U | 51,212 | M |
| Not stated | 1,592,299 | A | 105,662 | A | 382,145 | A | 668,324 | A | 91,865 | A | 178,539 | M | 165,763 | M |
| Total households with improvements | 2,598,338 | A | 219,515 | A | 533,380 | A | 1,097,941 | A | 133,480 | A | 329,252 | A | 284,770 | M |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 5.2 – Dwelling improvements to reduce energy consumption (2/4)

| | Number of households by year of construction | | | | | |
|---|--|-------------|-------------|-------------|-----------|-------------|
| | Before 1950 | 1950-1969 | 1970-1979 | 1980-1989 | 1990-1999 | 2000-2011 |
| Made any improvements to the dwelling that reduce energy consumption since January 1, 2000 | | | | | | |
| No improvements made | 159,886 A | 268,290 A | 274,131 A | 280,106 A | 324,038 A | 1,022,763 A |
| Improvements have been made | 890,869 A | 1,435,541 A | 1,373,102 A | 1,137,485 A | 791,669 A | 489,195 A |
| Don't know | - U | - U | - U | - U | - U | - U |
| Not stated | 65,547 M | 59,141 M | 111,422 M | - U | - U | 68,749 M |
| Households made improvements to heating equipment (including fireplaces and woodstoves) | | | | | | |
| 5 years or less | 266,099 A | 448,655 A | 342,907 M | 304,226 A | 208,741 A | - U |
| More than 5 years | 150,049 M | 254,167 A | 232,099 A | 172,018 A | 26,519 M | - U |
| Not stated | 147,745 M | 233,092 A | 290,503 A | 252,657 A | 246,346 M | 187,416 M |
| Total households with improvements | 563,893 A | 935,915 A | 865,509 A | 728,901 A | 481,605 A | 279,025 A |
| Households made improvements to windows (including patio doors) | | | | | | |
| 5 years or less | 409,765 A | 444,810 A | 473,653 A | 434,074 A | 170,878 A | - U |
| More than 5 years | 140,189 M | 265,139 A | 283,760 A | 192,072 M | - U | - U |
| Not stated | 168,191 M | 274,195 A | 272,689 A | 248,307 A | 265,007 M | 181,791 M |
| Total households with improvements | 718,146 A | 984,144 A | 1,030,102 A | 874,454 A | 462,106 A | 225,179 A |
| Households made improvements to caulking or weather-stripping around windows and doors | | | | | | |
| 5 years or less | 90,606 M | 60,780 M | 61,077 M | - U | - U | - U |
| More than 5 years | 84,612 M | 141,004 M | 128,123 M | 97,814 M | - U | - U |
| Not stated | 402,319 A | 617,035 A | 689,353 A | 492,717 A | 429,011 A | 233,798 A |
| Total households with improvements | 577,537 A | 818,819 A | 878,553 A | 709,950 A | 488,796 A | 267,393 A |
| Households made improvements to the insulation of the basement or crawl space walls | | | | | | |
| 5 years or less | - U | - U | - U | - U | - U | - U |
| More than 5 years | 73,516 M | 117,889 M | 95,355 M | - U | - U | - U |
| Not stated | 322,469 M | 440,459 A | 467,317 A | 371,730 A | 289,709 M | 223,238 A |
| Total households with improvements | 425,376 A | 598,029 A | 589,860 A | 442,879 A | 343,040 A | 265,837 A |
| Households made improvements to the insulation around the hot water pipes | | | | | | |
| 5 years or less | 128,213 M | - U | - U | 122,251 M | - U | - U |
| More than 5 years | 63,969 M | 102,418 M | 99,178 M | - U | - U | - U |
| Not stated | 226,954 M | 299,028 A | 321,007 A | 301,637 A | 259,160 M | 187,435 M |
| Total households with improvements | 419,137 A | 518,894 A | 589,706 A | 448,050 A | 303,409 M | 262,934 A |
| Households made improvements to the insulation of the roof or the attic | | | | | | |
| 5 years or less | 132,755 M | 196,300 A | 129,103 M | 83,771 M | - U | - U |
| More than 5 years | 101,355 M | 105,458 M | 98,104 M | - U | - U | - U |
| Not stated | 187,207 M | 288,558 A | 380,313 M | 291,491 A | 257,253 M | 187,476 M |
| Total households with improvements | 421,317 A | 590,316 A | 607,520 A | 409,936 A | 344,528 A | 224,721 A |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 5.2 – Dwelling improvements to reduce energy consumption (3/4)

| | Number of households by region | | | | | | | |
|--|--------------------------------|-----------|-------------|-------------|---------------------------|-----------|---------------------|-----|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Households made improvements to the insulation of any exterior walls (excluding basement) | | | | | | | | |
| 5 years or less | 61,907 M | - U | - U | - U | - U | - U | - U | - U |
| More than 5 years | 237,557 A | 27,010 M | - U | 72,170 M | - U | - U | - U | - U |
| Not stated | 1,871,376 A | 136,132 A | 411,233 A | 778,494 A | 103,408 A | 213,708 A | 228,400 M | |
| Total households with improvements | 2,170,840 A | 168,639 A | 486,373 A | 868,648 A | 127,626 A | 264,221 A | 255,333 M | |
| Households made improvements to exterior doors (including garage doors) | | | | | | | | |
| 5 years or less | 1,092,438 A | 104,839 A | 217,982 M | 471,778 A | 89,791 A | 111,382 M | 96,667 M | |
| More than 5 years | 540,584 A | 61,018 A | 142,379 M | 214,761 A | 38,068 M | 44,796 M | - U | |
| Not stated | 1,578,278 A | 101,987 A | 384,217 A | 661,306 A | 72,364 A | 184,439 M | 173,963 M | |
| Total households with improvements | 3,211,300 A | 267,844 A | 744,578 A | 1,347,845 A | 200,223 A | 340,617 A | 310,192 M | |
| Households installed a programmable thermostat | | | | | | | | |
| 5 years or less | 1,692,492 A | 94,879 M | 430,826 A | 745,987 A | 112,245 A | 148,659 M | 159,897 M | |
| More than 5 years | 1,131,365 A | 34,784 M | 247,675 A | 497,553 A | 56,403 A | 134,810 M | 160,140 M | |
| Not stated | 1,543,890 A | 112,106 A | 402,960 A | 561,280 A | 84,184 A | 213,402 M | 169,957 M | |
| Total households with installments | 4,367,747 A | 241,770 A | 1,081,461 A | 1,804,820 A | 252,831 A | 496,871 A | 489,994 A | |
| Households made improvements to the ventilation or central air conditioning equipment | | | | | | | | |
| 5 years or less | 783,809 A | - U | 128,278 M | 477,540 A | 48,941 M | - U | - U | |
| More than 5 years | 446,044 A | - U | 86,027 M | 253,929 A | 34,077 M | - U | - U | |
| Not stated | 1,512,470 A | 111,684 A | 372,963 A | 578,843 A | 79,409 A | 174,862 M | 194,710 M | |
| Total households with improvements | 2,742,323 A | 140,027 A | 587,268 A | 1,310,311 A | 162,426 A | 258,826 A | 283,465 M | |
| Households made other improvements | | | | | | | | |
| 5 years or less | 2,180,714 A | 188,563 A | 377,765 A | 1,033,176 A | 147,121 A | 246,107 M | 187,982 M | |
| More than 5 years | 1,016,061 A | 89,652 A | 325,346 A | 400,343 A | 44,447 A | 75,740 M | 80,533 M | |
| Not stated | 1,352,490 A | 105,801 A | 315,876 A | 526,839 A | 72,948 A | 164,746 M | 166,281 M | |
| Total households with improvements | 4,549,266 A | 384,016 A | 1,018,988 A | 1,960,357 A | 264,517 A | 486,593 A | 434,795 A | |
| Number of improvements made since January 1, 2000 | | | | | | | | |
| 1 to 3 | 3,433,642 A | 283,336 A | 788,348 A | 1,321,319 A | 201,767 A | 370,867 A | 468,005 A | |
| 4 to 6 | 1,697,106 A | 122,751 A | 288,387 A | 859,395 A | 129,483 A | 165,210 M | 131,879 M | |
| 7 or more | 477,064 A | 29,682 M | 98,702 M | 231,685 A | - U | - U | - U | |
| Not stated | 510,049 A | 39,120 M | 115,264 M | 199,105 A | 42,017 M | - U | 47,402 M | |
| Main reason households did not make any improvements | | | | | | | | |
| No improvements are currently necessary | 1,105,437 A | 90,912 A | 207,171 A | 389,548 A | 76,094 A | 149,878 M | 191,834 M | |
| Planning to make improvements in the future | 196,206 A | - U | - U | - U | - U | - U | - U | |
| Not aware of government financial aid or assistance | 88,869 M | - U | - U | - U | - U | - U | - U | |
| Planning to sell | - U | - U | - U | - U | - U | - U | - U | |
| Dwelling was recently purchased or built | 662,425 A | - U | 130,483 M | 268,351 M | - U | 82,074 M | - U | |
| Improvements are too costly | 282,114 A | 25,168 M | - U | 92,386 M | - U | - U | - U | |
| Do not have time | - U | - U | - U | - U | - U | - U | - U | |
| No government financial aid or assistance | - U | - U | - U | - U | - U | - U | - U | |
| Other | 53,702 M | - U | - U | - U | - U | - U | - U | |
| Don't know | - U | - U | - U | - U | - U | - U | - U | |
| Not stated | 145,943 M | - U | - U | - U | - U | - U | - U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 5.2 – Dwelling improvements to reduce energy consumption (4/4)

| | Number of households by year of construction | | | | | |
|--|--|-------------|-------------|-----------|-----------|-----------|
| | Before 1950 | 1950-1969 | 1970-1979 | 1980-1989 | 1990-1999 | 2000-2011 |
| Households made improvements to the insulation of any exterior walls (excluding basement) | | | | | | |
| 5 years or less | – U | – U | – U | – U | – U | – U |
| More than 5 years | 77,762 M | 74,984 M | 47,912 M | – U | – U | – U |
| Not stated | 308,171 A | 357,962 A | 427,301 A | 312,325 A | 265,435 M | 200,182 M |
| Total households with improvements | 398,286 A | 443,694 A | 494,610 A | 340,669 A | 274,077 M | 219,503 A |
| Households made improvements to exterior doors (including garage doors) | | | | | | |
| 5 years or less | 176,058 M | 274,210 A | 273,652 A | 240,801 M | 101,299 M | – U |
| More than 5 years | 106,771 M | 169,118 A | 145,702 M | 91,176 M | – U | – U |
| Not stated | 184,654 M | 272,353 A | 416,191 M | 263,761 A | 250,193 M | 191,126 M |
| Total households with improvements | 467,482 A | 715,681 A | 835,545 A | 595,737 A | 368,294 A | 228,560 A |
| Households installed a programmable thermostat | | | | | | |
| 5 years or less | 255,452 M | 367,795 A | 387,694 M | 287,890 A | 209,055 A | 184,606 M |
| More than 5 years | 138,019 M | 233,329 A | 277,683 A | 282,471 M | 114,043 M | 85,820 M |
| Not stated | 180,265 M | 280,758 A | 347,190 A | 231,983 M | 288,822 M | 214,872 A |
| Total households with installations | 573,736 A | 881,882 A | 1,012,566 A | 802,344 A | 611,920 A | 485,298 A |
| Households made improvements to the ventilation or central air conditioning equipment | | | | | | |
| 5 years or less | 103,952 M | 237,710 M | 180,598 M | 115,962 M | 96,354 M | – U |
| More than 5 years | 38,230 M | 86,831 M | 117,513 M | 114,201 M | – U | – U |
| Not stated | 200,780 M | 299,533 A | 319,794 A | 251,128 A | 246,892 M | 194,342 M |
| Total households with improvements | 342,961 A | 624,074 A | 617,905 A | 481,291 A | 381,667 A | 294,424 A |
| Households made other improvements | | | | | | |
| 5 years or less | 384,286 A | 501,839 A | 481,801 A | 413,014 A | 338,210 A | 61,564 M |
| More than 5 years | 154,563 A | 281,191 A | 252,414 A | 249,074 A | 47,758 M | – U |
| Not stated | 177,797 M | 274,122 A | 276,952 A | 195,526 M | 243,307 M | 184,787 M |
| Total households with improvements | 716,646 A | 1,057,153 A | 1,011,167 A | 857,613 A | 629,275 A | 277,411 A |
| Number of improvements made since January 1, 2000 | | | | | | |
| 1 to 3 | 420,896 A | 716,134 A | 714,570 A | 629,199 A | 572,619 A | 380,223 A |
| 4 to 6 | 279,596 M | 474,952 A | 435,852 A | 373,433 A | 115,302 M | – U |
| 7 or more | 138,235 M | 127,012 M | 104,823 M | 64,173 M | – U | – U |
| Not stated | – U | 117,442 M | 117,858 M | 70,680 M | 85,471 M | 66,456 M |
| Main reason households did not make any improvements | | | | | | |
| No improvements are currently necessary | 58,359 M | 101,492 M | 89,278 M | 147,030 M | 197,808 A | 511,469 A |
| Planning to make improvements in the future | – U | – U | – U | – U | – U | – U |
| Not aware of government financial aid or assistance | – U | – U | – U | – U | – U | – U |
| Planning to sell | – U | – U | – U | – | – U | – U |
| Dwelling was recently purchased or built | – U | – U | – U | – U | – U | 465,309 M |
| Improvements are too costly | 65,191 M | 45,098 M | 72,721 M | – U | – U | – U |
| Do not have time | – U | – U | – | – U | – U | – |
| No government financial aid or assistance | – U | – U | – U | – U | – U | – U |
| Other | – U | – U | – U | – U | – U | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | – U | – U | – U | – U | – U | – U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 6



Residential heating

Table 6.1 – Main heating system (1/2)

| | Number of households by region | | | | | | | |
|--|--------------------------------|-----------|-------------|-------------|---------------------------|-------------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Dwelling with a central heating unit or heating unit used by their household only | | | | | | | | |
| Dwelling unit | 11,576,658 A | 858,798 A | 3,035,758 A | 4,126,219 A | 752,162 A | 1,235,356 A | 1,568,367 A | |
| Central unit | 1,403,397 A | 68,046 M | 235,156 M | 709,562 A | 104,396 M | 132,813 M | 153,424 M | |
| Don't know | 541,064 A | – U | – U | 213,705 M | – U | – U | – U | |
| Not stated | 78,002 M | – U | – U | – U | – U | – U | – U | |
| Main energy source used for heating | | | | | | | | |
| Electricity | 5,141,458 A | 455,295 A | 2,708,295 A | 815,422 A | 252,893 A | – U | 832,410 A | |
| Natural gas | 5,815,920 A | – U | 130,043 M | 3,317,817 A | 506,960 A | 1,087,486 A | 767,657 A | |
| Heating oil | 765,997 A | 281,207 A | 252,086 M | 192,587 A | – U | – U | 32,154 M | |
| Wood | 398,173 A | 143,592 A | 118,791 M | 69,208 M | – U | – U | 52,542 M | |
| Propane | 126,937 M | – U | – U | 60,027 M | – U | – U | – U | |
| Other | – U | – U | – U | – U | – U | – U | – U | |
| Dual source | 381,723 A | 54,891 A | 98,756 M | 108,528 M | – U | 71,857 M | – U | |
| Don't know | 490,869 A | – U | – U | 328,697 M | – U | – U | – U | |
| Not stated | 422,214 M | – U | – U | 143,261 M | – U | – U | – U | |
| Type of main heating equipment | | | | | | | | |
| Furnace | 7,082,711 A | 227,810 A | 540,374 A | 3,675,362 A | 657,069 A | 1,174,368 A | 807,728 A | |
| Boiler | 1,256,762 A | 156,957 A | 254,620 A | 555,962 A | 50,263 M | 75,331 M | 163,628 M | |
| Heating stove (burning wood, pellets, corn, coal ...) | 412,472 A | 131,684 A | 107,945 M | 84,639 M | – U | – U | 69,440 M | |
| Electric radiant heating | 428,298 A | 42,771 M | 231,261 M | – U | – U | – U | – U | |
| Electric baseboards | 3,520,008 A | 363,608 A | 2,032,934 A | 417,776 A | 121,089 M | – U | 569,273 M | |
| Gas fireplace | 111,165 M | – U | – U | – U | – U | – U | – U | |
| Other | 71,616 M | – U | – U | – U | – U | – U | – U | |
| Heat pump | 342,543 A | 24,727 M | 151,982 M | 102,347 M | – U | – U | 49,816 M | |
| Don't know | – U | – U | – U | – U | – U | – U | – U | |
| Not stated | 310,505 M | – U | – U | – U | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.1 – Main heating system (2/2)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Dwelling with a central heating unit or heating unit used by their household only | | | | | | |
| Dwelling unit | 8,230,596 A | 1,444,853 A | 1,080,281 A | 381,016 M | 138,895 M | |
| Central unit | – – | 178,277 A | 678,326 A | 500,666 A | – U | |
| Don't know | – – | 115,823 M | 249,081 M | – U | – U | |
| Not stated | – – | 12,102 M | – U | – U | – U | |
| Main energy source used for heating | | | | | | |
| Electricity | 2,245,598 A | 764,951 A | 1,401,381 A | 585,348 A | – U | |
| Natural gas | 4,368,492 A | 792,891 A | 251,644 M | 159,064 M | – U | |
| Heating oil | 562,138 A | – U | – U | – U | – U | |
| Wood | 372,320 A | – U | – U | – – | – U | |
| Propane | 111,767 M | – U | – U | – – | – U | |
| Other | – U | – U | – U | – U | – – | |
| Dual source | 312,880 A | – U | – U | – – | – U | |
| Don't know | – U | – U | 237,933 M | 199,550 M | – U | |
| Not stated | 203,937 M | – U | – U | – U | – – | |
| Type of main heating equipment | | | | | | |
| Furnace | 5,369,427 A | 895,005 A | 277,145 M | 225,166 M | 122,718 M | |
| Boiler | 445,816 A | 129,214 M | 437,752 A | 213,504 M | – U | |
| Heating stove (burning wood, pellets, corn, coal ...) | 356,301 A | – U | – U | – – | – U | |
| Electric radiant heating | 140,370 M | – U | – U | – U | – – | |
| Electric baseboards | 1,357,890 A | 572,924 M | 1,113,060 A | 396,115 A | – U | |
| Gas fireplace | – U | – U | – U | – U | – U | |
| Other | 40,805 M | – U | – U | – U | – U | |
| Heat pump | 260,876 A | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – – | |
| Not stated | 188,663 M | – U | – U | – U | – – | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.2 – Profile of heating systems (1/6)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|---------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Main energy source for furnace | | | | | | | | | | | | | | |
| Electricity | 629,084 | A | - | U | 175,084 | M | 219,394 | A | 106,427 | M | - | U | - | U |
| Natural gas | 5,221,262 | A | - | U | 77,501 | M | 2,989,149 | A | 479,528 | A | 1,034,783 | A | 639,107 | A |
| Heating oil | 536,160 | A | 149,905 | A | 184,821 | M | 166,501 | M | - | U | - | U | - | U |
| Wood | 64,476 | M | 31,219 | M | - | U | - | U | - | U | - | U | - | U |
| Propane | 120,530 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Other | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Dual source | 282,095 | A | 30,295 | M | - | U | 89,891 | M | - | U | 67,455 | M | - | U |
| Don't know | 169,991 | M | - | - | - | U | - | U | - | U | - | U | - | U |
| Not stated | - | U | - | - | - | - | - | U | - | U | - | U | - | U |
| Age of furnace | | | | | | | | | | | | | | |
| 5 years or less | 1,379,428 | A | 19,434 | M | - | U | 826,366 | A | 141,515 | A | 190,035 | A | 140,967 | M |
| 6 to 10 years | 1,417,525 | A | 27,708 | M | 121,220 | M | 774,181 | A | 89,527 | A | 232,662 | M | 172,226 | M |
| 11 to 15 years | 837,780 | A | 24,159 | M | - | U | 438,629 | A | 50,209 | M | 172,546 | A | 61,379 | M |
| 16 to 20 years | 523,844 | A | 36,403 | M | - | U | 245,166 | A | 46,472 | M | 98,814 | M | 44,560 | M |
| 21 to 25 years | 289,399 | A | - | U | - | U | 121,014 | M | 37,176 | M | - | U | - | U |
| 26 years or more | 483,639 | A | - | U | - | U | - | U | 61,592 | M | 100,355 | M | 64,831 | M |
| Don't know | 422,396 | A | - | U | - | U | 178,138 | M | 67,130 | M | - | U | - | U |
| Not stated | 1,728,700 | A | 42,059 | M | 101,786 | M | 950,848 | A | 163,448 | A | 271,156 | A | 199,402 | M |
| Total households with a furnace as the main heating system | 7,082,711 | A | 227,810 | A | 540,374 | A | 3,675,362 | A | 657,069 | A | 1,174,368 | A | 807,728 | A |
| Households with an ENERGY STAR® furnace | | | | | | | | | | | | | | |
| Yes | 1,993,139 | A | 24,324 | M | - | U | 1,238,790 | A | 210,520 | A | 317,524 | A | 154,667 | M |
| No | 1,060,631 | A | 63,970 | M | 148,033 | M | 352,778 | A | 114,576 | A | 239,440 | A | 141,834 | M |
| Don't know | 1,759,951 | A | 67,692 | M | 194,543 | M | 839,693 | A | 123,029 | A | 299,584 | A | 235,410 | M |
| Not stated | 2,268,990 | A | 71,823 | A | 150,484 | M | 1,244,100 | A | 208,945 | A | 317,820 | A | 275,817 | M |
| Efficiency rating of the furnace | | | | | | | | | | | | | | |
| High (the exhaust pipe is plastic and vents through the side of the house) | 1,739,267 | A | - | U | - | U | 1,273,759 | A | 163,368 | A | 173,321 | M | 93,141 | M |
| Medium (the exhaust pipe is metal and vents through the side of the house or through the roof) | 1,359,612 | A | 58,323 | M | 137,450 | M | 580,909 | A | 112,424 | A | 291,024 | A | 179,482 | M |
| Low (the exhaust pipe is metal and vents through the roof) | 470,705 | A | 36,966 | M | - | U | 115,254 | M | 71,209 | M | 152,025 | M | 60,383 | M |
| Don't know | 1,330,373 | A | 65,348 | M | 188,600 | M | 570,267 | A | 107,087 | M | 250,650 | M | 148,421 | M |
| Not stated | 2,182,754 | A | 65,785 | M | 145,164 | M | 1,135,173 | A | 202,982 | A | 307,349 | A | 326,301 | M |
| Frequency of furnace filter cleaning/replacement | | | | | | | | | | | | | | |
| Every 3 months or more frequently | 2,986,756 | A | 46,061 | M | 159,513 | M | 1,788,567 | A | 314,494 | A | 455,107 | A | 223,014 | M |
| Every 6 months | 1,584,972 | A | 54,001 | A | 101,998 | M | 777,975 | A | 148,507 | A | 302,686 | A | 199,805 | M |
| Once in the past year | 1,590,486 | A | 80,159 | A | 96,983 | M | 711,660 | A | 147,679 | A | 274,176 | M | 279,829 | M |
| Did not change or clean filter in the past year | 146,632 | M | - | U | - | U | 56,697 | M | - | U | - | U | - | U |
| Don't know | 304,047 | M | - | U | - | U | 210,181 | M | - | U | - | U | - | U |
| Not stated | 469,818 | A | 28,494 | M | - | U | 130,282 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.2 – Profile of heating systems (2/6)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Main energy source for furnace | | | | | | |
| Electricity | 445,009 A | – U | – U | – U | – U | – U |
| Natural gas | 4,070,626 A | 712,899 A | 119,347 M | – U | – U | – U |
| Heating oil | 412,213 A | – U | – U | – U | – U | – U |
| Wood | 64,009 M | – U | – U | – – | – – | – – |
| Propane | 105,360 M | – U | – U | – – | – – | – – |
| Other | – U | – – | – U | – – | – – | – – |
| Dual source | 236,539 A | – U | – U | – – | – – | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | – U | – – | – U | – U | – U | – – |
| Age of furnace | | | | | | |
| 5 years or less | 1,096,765 A | 189,480 M | – U | – U | – U | – U |
| 6 to 10 years | 1,133,233 A | 207,407 M | – U | – U | – U | – U |
| 11 to 15 years | 550,775 A | 184,771 M | – U | – U | – U | – U |
| 16 to 20 years | 423,847 A | – U | – U | – U | – U | – U |
| 21 to 25 years | 275,467 A | – U | – U | – U | – U | – U |
| 26 years or more | 413,453 A | – U | – U | – – | – – | – U |
| Don't know | 297,168 A | – U | – U | – U | – U | – U |
| Not stated | 1,178,720 A | 145,594 M | 164,067 M | 194,101 M | – U | – U |
| Total households with a furnace as the main heating system | 5,369,427 A | 895,005 A | 277,145 M | 225,166 M | 122,718 M | – U |
| Households with an ENERGY STAR® furnace | | | | | | |
| Yes | 1,629,242 A | 266,277 A | – U | – U | – U | – U |
| No | 856,227 A | 111,581 M | – U | – U | – U | – U |
| Don't know | 1,311,592 A | 286,666 M | – U | – U | – U | – U |
| Not stated | 1,572,366 A | 230,481 M | 189,074 M | 198,481 M | – U | – U |
| Efficiency rating of the furnace | | | | | | |
| High (the exhaust pipe is plastic and vents through the side of the house) | 1,449,764 A | 207,285 M | – U | – U | – U | – U |
| Medium (the exhaust pipe is metal and vents through the side of the house or through the roof) | 1,053,656 A | 227,840 M | – U | – – | – U | – U |
| Low (the exhaust pipe is metal and vents through the roof) | 386,979 A | 37,945 M | – U | – – | – U | – U |
| Don't know | 950,360 A | 220,843 M | – U | – U | – U | – U |
| Not stated | 1,528,668 A | 201,092 M | 187,878 M | 198,481 M | – U | – U |
| Frequency of furnace filter cleaning/replacement | | | | | | |
| Every 3 months or more frequently | 2,412,060 A | 325,277 A | – U | – U | – U | – U |
| Every 6 months | 1,214,149 A | 210,957 M | – U | – U | – U | – U |
| Once in the past year | 1,156,385 A | 253,787 M | – U | – U | – U | – U |
| Did not change or clean filter in the past year | 110,149 M | – U | – U | – U | – U | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 354,009 M | – U | – U | – U | – U | – U |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.2 – Profile of heating systems (3/6)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Age of electric baseboards | | | | | | | | | | | | | | |
| 5 years or less | 290,409 | M | 28,631 | M | 155,452 | M | - | U | - | U | - | - | - | U |
| 6 to 10 years | 355,789 | M | 35,023 | M | 286,094 | M | - | U | - | U | - | - | - | U |
| 11 to 15 years | 400,078 | M | 30,997 | M | 223,791 | M | - | U | - | U | - | - | - | U |
| 16 to 20 years | 363,951 | M | 33,973 | M | 236,620 | M | - | U | - | U | - | - | - | U |
| 21 to 25 years | 220,847 | A | 26,178 | M | 135,529 | M | - | U | - | U | - | U | - | U |
| 26 years or more | 430,560 | A | 43,015 | M | 278,956 | A | - | U | - | U | - | - | - | U |
| Don't know | 445,265 | A | - | U | 243,453 | M | 89,057 | M | - | U | - | - | - | U |
| Not stated | 1,013,109 | A | 128,809 | A | 473,041 | A | 211,643 | M | - | U | - | U | - | U |
| Total households with electric baseboards as the main heating system | 3,520,008 | A | 363,608 | A | 2,032,934 | A | 417,776 | A | 121,089 | M | - | U | - | U |
| Main energy source for boiler | | | | | | | | | | | | | | |
| Electricity | 182,248 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Natural gas | 465,769 | A | - | U | - | U | 256,679 | M | - | U | - | U | - | U |
| Heating oil | 212,402 | A | 119,996 | A | - | U | - | U | - | U | - | - | - | U |
| Wood | - | U | - | U | - | - | - | U | - | U | - | - | - | U |
| Propane | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Other | - | U | - | U | - | U | - | U | - | U | - | - | - | U |
| Dual source | - | U | - | U | - | U | - | U | - | U | - | - | - | U |
| Don't know | 257,837 | M | - | U | - | U | 178,714 | M | - | U | - | U | - | U |
| Not stated | - | U | - | - | - | U | - | U | - | U | - | U | - | U |
| Age of boiler | | | | | | | | | | | | | | |
| 5 years or less | 131,842 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 6 to 10 years | 90,682 | M | 33,128 | M | - | U | - | U | - | U | - | U | - | U |
| 11 to 15 years | 61,095 | M | - | U | - | U | - | U | - | U | - | - | - | U |
| 16 to 20 years | 34,699 | M | - | U | - | U | - | U | - | - | - | U | - | U |
| 21 to 25 years | - | U | - | U | - | U | - | U | - | - | - | U | - | U |
| 26 years or more | 65,669 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | - | - | U |
| Not stated | 738,676 | A | - | U | 138,170 | M | 387,506 | M | 36,669 | M | - | U | - | U |
| Total households with boilers as the main heating system | 1,256,762 | A | 156,957 | A | 254,620 | A | 555,962 | A | 50,263 | M | 75,331 | M | - | U |
| Households with an ENERGY STAR® boiler | | | | | | | | | | | | | | |
| Yes | 104,455 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| No | 105,814 | M | 17,490 | M | - | U | - | U | - | U | - | U | - | U |
| Don't know | 203,024 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 843,469 | A | 99,069 | A | 149,349 | M | 401,007 | M | 36,640 | M | - | U | - | U |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.2 – Profile of heating systems (4/6)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Age of electric baseboards | | | | | | |
| 5 years or less | 127,578 M | - U | - U | - U | - U | - U |
| 6 to 10 years | 192,564 M | - U | - U | - U | - U | - U |
| 11 to 15 years | 147,631 M | - U | - U | - U | - U | - U |
| 16 to 20 years | 132,978 M | - U | - U | - U | - U | - U |
| 21 to 25 years | 118,320 A | - U | - U | - U | - U | - U |
| 26 years or more | 272,567 A | - U | - U | - U | - U | - U |
| Don't know | 96,633 M | - U | 206,849 M | - U | - U | - U |
| Not stated | 269,619 A | 114,947 M | 424,524 M | 192,268 M | - U | - U |
| Total households with electric baseboards as the main heating system | 1,357,890 A | 572,924 M | 1,113,060 A | 396,115 A | - U | - U |
| Main energy source for boiler | | | | | | |
| Electricity | - U | - U | - U | - U | - - | - - |
| Natural gas | 230,360 A | - U | 129,925 M | - U | - - | - - |
| Heating oil | 134,236 A | - U | - U | - U | - - | - - |
| Wood | - U | - - | - - | - - | - - | - - |
| Propane | - U | - - | - - | - - | - - | - - |
| Other | - U | - U | - U | - U | - - | - - |
| Dual source | - U | - U | - U | - U | - - | - U |
| Don't know | - U | - U | - U | - U | - U | - - |
| Not stated | - - | - U | - U | - U | - U | - - |
| Age of boiler | | | | | | |
| 5 years or less | 98,713 M | - U | - U | - U | - - | - - |
| 6 to 10 years | 75,809 M | - U | - U | - - | - - | - U |
| 11 to 15 years | 32,189 M | - U | - - | - - | - U | - U |
| 16 to 20 years | - U | - U | - U | - - | - - | - - |
| 21 to 25 years | - U | - U | - - | - - | - - | - - |
| 26 years or more | 48,658 M | - U | - - | - - | - U | - - |
| Don't know | - U | - U | - U | - U | - U | - - |
| Not stated | 104,219 M | - U | 387,692 M | 194,082 M | - - | - - |
| Total households with boilers as the main heating system | 445,816 A | 129,214 M | 437,752 A | 213,504 M | - U | - U |
| Households with an ENERGY STAR® boiler | | | | | | |
| Yes | 70,297 M | - U | - U | - - | - - | - - |
| No | 94,191 M | - U | - U | - - | - - | - - |
| Don't know | 95,813 M | - U | - U | - U | - - | - - |
| Not stated | 185,515 M | - U | 400,935 A | 191,591 M | - U | - U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.2 – Profile of heating systems (5/6)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a heat pump | | | | | | | | | | | | | | |
| Yes | 563,607 | A | 36,352 | M | 294,939 | A | 109,373 | M | – | U | – | U | 70,515 | M |
| No | 8,525,293 | A | 649,959 | A | 2,311,520 | A | 2,956,822 | A | 563,140 | A | 902,428 | A | 1,141,424 | A |
| Don't know | 675,516 | A | – | U | – | U | 290,864 | A | 43,146 | M | – | U | – | U |
| Not stated | 1,418,347 | A | 147,609 | A | 292,678 | A | 547,879 | A | 95,136 | M | 150,404 | M | 184,641 | M |
| Type of heat pump | | | | | | | | | | | | | | |
| Air source | 412,847 | A | 28,998 | M | 236,251 | A | – | U | – | U | – | U | 55,550 | M |
| Ground source | 93,335 | M | – | U | – | U | – | U | – | U | – | – | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | – | – | U | – | U |
| Not stated | – | U | – | – | – | U | – | U | – | – | – | – | – | U |
| Age of heat pump | | | | | | | | | | | | | | |
| 5 years or less | 258,997 | A | 21,146 | M | 158,494 | M | – | U | – | U | – | – | – | U |
| 6 to 10 years | 116,132 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| 11 to 15 years | – | U | – | U | – | U | – | U | – | – | – | U | – | U |
| 16 to 20 years | – | U | – | U | – | U | – | U | – | U | – | – | – | U |
| 21 to 25 years | – | U | – | U | – | U | – | U | – | – | – | – | – | – |
| 26 years or more | – | U | – | – | – | U | – | U | – | – | – | – | – | – |
| Don't know | – | U | – | U | – | – | – | U | – | – | – | U | – | U |
| Not stated | – | U | – | U | – | U | – | U | – | U | – | – | – | U |
| Households with an ENERGY STAR® heat pump | | | | | | | | | | | | | | |
| Yes | 251,997 | A | 21,767 | M | 134,196 | M | 47,913 | M | – | U | – | – | – | U |
| No | 113,180 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 186,087 | M | – | U | 94,728 | M | – | U | – | U | – | U | – | U |
| Not stated | – | U | – | U | – | U | – | U | – | U | – | – | – | – |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.2 – Profile of heating systems (6/6)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Households with a heat pump | | | | | | |
| Yes | 463,249 A | - U | - U | - U | - U | - U |
| No | 5,669,912 A | 1,235,471 A | 940,745 A | 265,150 M | 128,753 M | |
| Don't know | 328,454 M | 122,367 M | - U | - U | - U | |
| Not stated | 756,021 A | 153,284 M | 315,932 M | 118,635 M | - U | |
| Type of heat pump | | | | | | |
| Air source | 350,065 A | - U | - U | - U | - U | - U |
| Ground source | 75,143 M | - U | - - | - U | - - | - - |
| Don't know | - U | - U | - U | - - | - - | - - |
| Not stated | - U | - - | - - | - U | - - | - - |
| Age of heat pump | | | | | | |
| 5 years or less | 214,860 A | - U | - U | - - | - - | - - |
| 6 to 10 years | 90,690 M | - U | - U | - U | - U | - U |
| 11 to 15 years | - U | - U | - U | - U | - - | - - |
| 16 to 20 years | - U | - U | - - | - - | - U | - - |
| 21 to 25 years | - U | - - | - - | - - | - - | - - |
| 26 years or more | - U | - - | - - | - - | - - | - - |
| Don't know | - U | - U | - U | - U | - U | - - |
| Not stated | - U | - - | - - | - - | - - | - - |
| Households with an ENERGY STAR® heat pump | | | | | | |
| Yes | 209,227 A | - U | - U | - - | - - | - U |
| No | 97,988 M | - U | - U | - U | - - | - - |
| Don't know | 143,691 M | - U | - U | - U | - U | - - |
| Not stated | - U | - - | - - | - - | - - | - - |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.3 – Supplementary heating systems (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households using supplementary heating equipment | | | | | | | | | | | | | | |
| Yes | 5,098,293 | A | 413,571 | A | 1,048,207 | A | 2,023,565 | A | 279,200 | A | 530,472 | A | 803,278 | A |
| No | 7,973,571 | A | 503,536 | A | 2,178,058 | A | 2,884,989 | A | 591,369 | A | 823,255 | A | 992,365 | A |
| Don't know | 277,962 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 249,296 | A | – | U | 130,835 | M | – | U | – | U | – | U | – | U |
| Type of supplementary heating equipment used most often | | | | | | | | | | | | | | |
| Electric baseboards | 705,578 | A | 84,759 | A | 296,300 | A | 142,352 | M | 41,110 | M | – | U | 140,562 | M |
| Portable electric heater | 1,166,719 | A | 60,477 | M | – | U | 553,697 | A | 95,729 | M | 149,223 | M | 240,201 | M |
| Woodstove | 626,930 | A | 85,479 | A | 308,935 | A | 115,234 | M | – | U | – | U | – | U |
| Wood fireplace | 273,280 | A | – | U | 87,675 | M | 109,854 | M | – | U | – | U | – | U |
| Gas fireplace | 1,116,861 | A | 30,212 | M | 75,518 | M | 633,632 | A | 41,976 | M | 124,923 | M | 210,601 | M |
| Electric fireplace | 306,388 | A | 37,482 | M | – | U | 146,187 | M | 21,543 | M | – | U | – | U |
| Furnace | 229,142 | M | 29,725 | M | – | U | – | U | – | U | – | U | – | U |
| Radiant floor heating | 116,148 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Other | 217,495 | A | 38,270 | M | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | – | – | U | – | U | – | – | – | – | – | U |
| Not stated | 864,469 | A | 82,618 | M | 212,826 | M | 301,021 | A | 32,479 | M | – | U | 95,893 | M |
| Use of supplementary heating equipment in an average week during the heating season | | | | | | | | | | | | | | |
| Did not use supplementary heating during an average week | 1,101,931 | A | 78,701 | A | 258,469 | A | 378,851 | A | 76,997 | A | 105,238 | M | 203,675 | M |
| 1 to 7 hours | 1,296,444 | A | 98,011 | A | 172,538 | M | 578,648 | A | 79,333 | A | 166,095 | M | 201,818 | M |
| 8 to 21 hours | 831,609 | A | 77,414 | A | 125,160 | M | 319,403 | A | 41,970 | M | 105,378 | M | 162,282 | M |
| 22 to 50 hours | 498,773 | A | 39,604 | M | 152,928 | M | 207,319 | M | – | U | – | U | 55,541 | M |
| 51 hours or more | 354,176 | A | 35,455 | M | 84,450 | M | 117,923 | M | – | U | – | U | 63,153 | M |
| Don't know | 819,785 | A | 83,824 | M | 293,803 | M | 264,980 | A | 39,134 | M | 60,541 | M | 77,503 | M |
| Not stated | 722,833 | A | 63,360 | M | 120,808 | M | 311,365 | A | 30,897 | M | – | U | – | U |
| Households using a supplementary furnace | | | | | | | | | | | | | | |
| Yes | 1,451,686 | A | 150,075 | A | 260,677 | A | 606,203 | A | 68,627 | M | 184,317 | M | 181,787 | M |
| No | 3,500,755 | A | 256,882 | A | 802,067 | A | 1,343,242 | A | 194,562 | A | 334,134 | A | 569,867 | A |
| Don't know | – | U | – | – | – | U | – | U | – | U | – | – | – | U |
| Not stated | 640,023 | A | 69,412 | M | 144,104 | M | 224,606 | M | – | U | – | U | – | U |
| Energy source of the supplementary furnace | | | | | | | | | | | | | | |
| Electricity | 491,477 | A | 59,802 | M | 85,004 | M | 198,049 | M | – | U | – | U | 72,754 | M |
| Natural gas | 439,694 | A | – | – | – | U | 240,617 | A | – | U | 108,474 | M | 64,878 | M |
| Heating oil | 96,739 | M | 35,311 | M | – | U | – | U | – | U | – | – | – | U |
| Wood | 273,031 | A | 32,507 | M | 122,103 | M | 70,463 | M | – | U | – | U | – | U |
| Propane | 70,366 | M | – | U | – | U | – | U | – | U | – | – | – | U |
| Other | – | U | – | U | – | – | – | U | – | – | – | – | – | U |
| Dual sources | 55,586 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | – | – | U | – | U | – | U | – | – | – | U |
| Not stated | 643,097 | A | 70,071 | M | 144,104 | M | 227,021 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.3 – Supplementary heating systems (2/2)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Households using supplementary heating equipment | | | | | | |
| Yes | 3,984,615 A | 622,303 A | 228,350 A | 122,699 M | 37,137 M | |
| No | 4,052,055 A | 1,084,337 A | 1,708,823 A | 771,205 A | 123,631 M | |
| Don't know | - U | - U | - U | - U | - | |
| Not stated | 110,812 A | - U | - U | - U | - | |
| Type of supplementary heating equipment used most often | | | | | | |
| Electric baseboards | 515,931 A | 136,055 M | - U | - U | - | |
| Portable electric heater | 754,612 A | 213,048 M | 99,717 M | - U | - | |
| Woodstove | 575,762 A | - U | - U | - - | - | |
| Wood fireplace | 248,792 A | - U | - U | - - | - | |
| Gas fireplace | 883,072 A | 145,452 M | - U | - U | - | |
| Electric fireplace | 199,712 M | - U | - U | - U | - | |
| Furnace | 198,943 M | - U | - U | - - | - | |
| Radiant floor heating | 112,267 M | - U | - U | - U | - | |
| Other | 183,933 A | - U | - U | - - | - | |
| Don't know | - U | - - | - U | - - | - | |
| Not stated | 504,370 A | 73,583 M | 119,943 M | - U | - | |
| Use of supplementary heating equipment in an average week during the heating season | | | | | | |
| Did not use supplementary heating during an average week | 828,467 A | 162,977 M | - U | - U | - | |
| 1 to 7 hours | 1,018,723 A | 158,356 M | - U | - U | - | |
| 8 to 21 hours | 631,291 A | 143,672 M | - U | - U | - | |
| 22 to 50 hours | 432,652 A | - U | - U | - U | - | |
| 51 hours or more | 287,595 A | - U | - U | - U | - | |
| Don't know | 616,208 A | - U | - U | - U | - | |
| Not stated | 363,605 A | - U | 123,929 M | - U | - | |
| Households using a supplementary furnace | | | | | | |
| Yes | 1,151,834 A | 146,171 M | - U | - U | - | |
| No | 2,645,602 A | 470,553 A | 177,867 M | - U | - | |
| Don't know | - U | - - | - U | - - | - | |
| Not stated | 348,588 A | - U | 112,300 M | - U | - | |
| Energy source of the supplementary furnace | | | | | | |
| Electricity | 321,138 A | 67,363 M | - U | - U | - | |
| Natural gas | 378,981 A | - U | - U | - - | - | |
| Heating oil | 80,260 M | - U | - - | - - | - | |
| Wood | 255,928 A | - U | - U | - - | - | |
| Propane | 59,887 M | - U | - - | - - | - | |
| Other | - U | - - | - - | - - | - | |
| Dual sources | 32,806 M | - U | - U | - - | - | |
| Don't know | - U | - - | - U | - - | - | |
| Not stated | 350,206 A | - U | 112,541 M | - U | - | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.4 – Wood heating (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|--|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---------|---------------------|---|-----------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | Alberta | British Columbia | | | |
| Wood/wood pellets used by the household for heating | | | | | | | | | | | | | | |
| Yes | 1,741,904 | A | 312,739 | A | 661,647 | A | 460,522 | A | 57,175 | M | 114,208 | M | 135,612 | M |
| No | 10,895,310 | A | 571,227 | A | 2,461,427 | A | 4,325,419 | A | 785,384 | A | 1,261,528 | A | 1,490,327 | A |
| Not stated | 961,907 | A | 95,939 | A | 263,142 | M | 277,538 | A | 46,713 | M | 73,017 | M | 205,558 | M |
| Wood burned (full cords) | | | | | | | | | | | | | | |
| 1 cord or less | 357,363 | A | 37,671 | M | 115,265 | M | 122,639 | M | – | U | – | U | – | U |
| 1.1 to 2 cords | 183,366 | A | 43,955 | M | 85,340 | M | – | U | – | U | – | U | – | U |
| 2.1 to 3 cords | 173,487 | M | 36,214 | M | – | U | – | U | – | U | – | U | – | U |
| 3.1 to 5.9 cords | 305,482 | A | 74,670 | A | – | U | 87,923 | M | – | U | – | U | – | U |
| 6 cords or more | 243,555 | A | 46,943 | M | 133,522 | M | – | U | – | U | – | U | – | U |
| Don't know | 309,140 | M | 31,450 | M | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,131,418 | A | 137,776 | A | 318,166 | A | 322,716 | A | 47,956 | M | 94,718 | M | 210,086 | M |
| Type of wood burned | | | | | | | | | | | | | | |
| Hard wood | 791,593 | A | 138,020 | A | 378,110 | A | 249,762 | M | – | U | – | U | – | U |
| Soft wood | 630,070 | A | 122,040 | A | 197,853 | A | 160,239 | M | 28,083 | M | – | U | 76,392 | M |
| Hard and soft (mixed) | 168,641 | A | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 103,559 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | – | U | – | U | – | U | – | U | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.4 – Wood heating (2/2)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Wood/wood pellets used by the household for heating | | | | | | |
| Yes | 1,587,360 A | – U | – U | – – | – U | |
| No | 6,091,399 A | 1,579,886 A | 1,828,314 A | 956,884 A | 132,061 M | |
| Not stated | 551,838 A | 96,693 M | 217,085 M | – U | – U | |
| Wood burned (full cords) | | | | | | |
| 1 cord or less | 297,650 A | – U | – U | – – | – U | |
| 1.1 to 2 cords | 172,242 A | – U | – – | – – | – U | |
| 2.1 to 3 cords | 160,914 M | – U | – – | – – | – U | |
| 3.1 to 5.9 cords | 286,394 A | – – | – U | – – | – U | |
| 6 cords or more | 233,743 A | – U | – U | – – | – U | |
| Don't know | 292,398 M | – U | – U | – U | – U | |
| Not stated | 695,856 A | 102,101 M | 226,424 M | – U | – U | |
| Type of wood burned | | | | | | |
| Hard wood | 743,815 A | – U | – U | – – | – U | |
| Soft wood | 552,858 A | – U | – – | – – | – U | |
| Hard and soft (mixed) | 157,916 A | – U | – U | – – | – U | |
| Don't know | 91,542 M | – U | – U | – – | – – | |
| Not stated | – U | – U | – U | – – | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.5 – Fireplaces (1/4)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a fireplace | | | | | | | | | | | | | | |
| Yes | 6,154,561 | A | 336,390 | A | 1,023,267 | A | 2,811,204 | A | 251,591 | A | 684,654 | A | 1,047,456 | A |
| No | 7,192,114 | A | 604,802 | A | 2,268,550 | A | 2,173,518 | A | 627,187 | A | 748,234 | A | 769,823 | A |
| Don't know | - | U | - | - | - | U | - | U | - | U | - | U | - | U |
| Not stated | 203,722 | A | 38,713 | M | 65,223 | M | 67,766 | M | - | U | - | U | - | U |
| Households with a wood-burning fireplace | | | | | | | | | | | | | | |
| One | 2,170,785 | A | 127,665 | A | 659,343 | A | 828,751 | A | 106,646 | M | 229,845 | M | 218,535 | M |
| Two or more | 450,187 | M | - | U | - | U | 291,822 | M | - | U | - | U | 47,867 | M |
| None | 3,239,440 | A | 185,029 | A | 256,233 | M | 1,554,755 | A | 128,789 | A | 382,745 | A | 731,890 | A |
| Don't know | - | U | - | - | - | - | - | - | - | U | - | - | - | U |
| Not stated | 286,421 | A | - | U | - | U | 135,877 | M | - | U | - | U | - | U |
| Total households with a wood-burning fireplace | 2,915,121 | A | 151,361 | A | 767,034 | A | 1,256,450 | A | 122,802 | A | 301,909 | A | 315,566 | M |
| Households with an electric fireplace | | | | | | | | | | | | | | |
| One | 1,123,452 | A | 133,191 | A | 141,254 | M | 525,238 | A | 59,216 | A | 112,751 | M | 151,802 | M |
| Two or more | 156,604 | A | - | U | - | U | 69,396 | M | - | U | - | U | - | U |
| None | 4,482,426 | A | 174,750 | A | 773,428 | A | 2,044,101 | A | 171,894 | A | 477,674 | A | 840,579 | A |
| Don't know | - | U | - | - | - | - | - | - | - | - | - | - | - | U |
| Not stated | 384,173 | A | - | U | - | U | 172,469 | M | - | U | - | U | - | U |
| Total households with an electric fireplace | 1,672,134 | A | 161,640 | A | 249,839 | M | 767,103 | A | 79,697 | A | 206,979 | M | 206,877 | M |
| Main purpose of electric fireplace | | | | | | | | | | | | | | |
| Primarily for heat | 151,592 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Primarily for aesthetics | 518,842 | A | 70,284 | A | 69,369 | M | 265,957 | M | 26,548 | M | - | U | 36,101 | M |
| For both heat and aesthetics | 445,927 | A | 38,338 | M | - | U | 239,832 | M | 27,033 | M | - | U | - | U |
| Don't know | - | U | - | U | - | - | - | U | - | - | - | - | - | U |
| Not stated | 529,726 | A | 34,084 | M | - | U | 193,362 | A | - | U | - | U | - | U |
| Households with a gas fireplace | | | | | | | | | | | | | | |
| One | 2,333,347 | A | 56,744 | M | 148,379 | M | 1,126,567 | A | 89,935 | A | 309,287 | A | 602,434 | M |
| Two or more | 594,073 | A | - | U | - | U | 308,468 | M | - | U | 82,665 | M | 155,307 | M |
| None | 2,919,409 | A | 255,550 | A | 755,742 | A | 1,256,207 | A | 147,335 | A | 265,203 | A | 239,373 | M |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | U | - | U |
| Not stated | 286,282 | A | - | U | - | U | 113,438 | M | - | U | - | U | - | U |
| Total households with a gas fireplace | 3,235,152 | A | 80,840 | A | 267,525 | M | 1,554,998 | A | 104,255 | A | 419,451 | A | 808,083 | A |
| Main energy source of gas fireplace | | | | | | | | | | | | | | |
| Natural gas | 2,583,305 | A | - | U | - | U | 1,350,793 | A | 89,854 | A | 381,686 | A | 702,501 | A |
| Propane | 308,728 | A | 59,390 | M | 131,953 | M | 62,332 | M | - | U | - | U | - | U |
| Other | - | U | - | - | - | U | - | U | - | U | - | - | - | U |
| Dual source | - | U | - | - | - | - | - | - | - | - | - | - | - | U |
| Not stated | 337,620 | A | 20,070 | M | - | U | 140,075 | M | - | U | - | U | 51,955 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.5 – Fireplaces (2/4)

| | Number of households by type of dwelling ¹ | | | | | |
|---|---|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Households with a fireplace | | | | | | |
| Yes | 4,892,760 A | 637,379 A | 321,213 M | – U | – U | – U |
| No | 3,217,382 A | 1,074,807 A | 1,671,751 A | 849,523 A | 138,868 M | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 89,786 A | – U | – U | – U | – U | – U |
| Households with a wood-burning fireplace | | | | | | |
| One | 1,861,277 A | 164,568 M | – U | – U | – U | – U |
| Two or more | 431,930 M | – U | – U | – U | – U | – U |
| None | 2,370,031 A | 435,071 A | 200,623 M | – U | – U | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 221,795 M | – U | – U | – U | – U | – U |
| Total households with a wood-burning fireplace | 2,522,729 A | 202,308 A | – U | – U | – U | – U |
| Households with an electric fireplace | | | | | | |
| One | 861,753 A | 94,493 M | 78,408 M | – U | – U | – U |
| Two or more | 138,902 A | – U | – U | – U | – U | – U |
| None | 3,558,556 A | 491,348 A | 234,818 M | – U | – U | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 333,551 M | – U | – U | – U | – U | – U |
| Total households with an electric fireplace | 1,334,205 A | 146,032 M | 86,395 M | – U | – U | – U |
| Main purpose of electric fireplace | | | | | | |
| Primarily for heat | 121,374 M | – U | – U | – U | – U | – U |
| Primarily for aesthetics | 402,565 A | 44,818 M | – U | – U | – U | – U |
| For both heat and aesthetics | 332,397 A | – U | – U | – U | – U | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 459,751 A | – U | – U | – U | – U | – U |
| Households with a gas fireplace | | | | | | |
| One | 1,762,030 A | 287,034 A | – U | – U | – U | – U |
| Two or more | 497,531 A | – U | – U | – U | – U | – U |
| None | 2,401,456 A | 230,201 A | 165,614 M | – U | – U | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 225,007 A | – U | – U | – U | – U | – U |
| Total households with a gas fireplace | 2,491,305 A | 407,179 A | 155,598 M | – U | – U | – U |
| Main energy source of gas fireplace | | | | | | |
| Natural gas | 1,964,280 A | 343,797 M | – U | – U | – U | – U |
| Propane | 265,220 M | – U | – U | – U | – U | – U |
| Other | – U | – U | – U | – U | – U | – U |
| Dual source | – U | – U | – U | – U | – U | – U |
| Not stated | 258,103 A | – U | – U | – U | – U | – U |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.5 – Fireplaces (3/4)

| Number of households by region | | | | | | | | | | | | | | |
|--|-----------|---|----------|---|---------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Pilot light turned off in the summer | | | | | | | | | | | | | | |
| Yes | 1,680,294 | A | 46,708 | M | 126,757 | M | 734,949 | A | 50,722 | M | 186,069 | M | 535,089 | M |
| No | 1,149,085 | A | - | U | - | U | 641,937 | A | 41,444 | M | 182,377 | M | 209,610 | M |
| No pilot light | 68,900 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 280,102 | A | - | U | - | U | 115,426 | M | - | U | - | U | - | U |
| Type of venting for the main gas fireplace | | | | | | | | | | | | | | |
| Out the chimney | 983,566 | A | - | U | - | U | 455,187 | A | 31,489 | M | 117,104 | M | 319,098 | M |
| Out the side wall (direct vent) | 1,636,393 | A | 36,508 | M | 133,800 | M | 851,656 | A | 54,119 | M | 236,931 | A | 323,380 | M |
| Don't know | 277,504 | M | - | U | - | U | 110,090 | M | - | U | - | U | - | U |
| Not stated | 337,689 | A | 20,070 | M | - | U | 138,065 | M | - | U | - | U | 49,450 | M |
| Use of the main gas fireplace during the heating season | | | | | | | | | | | | | | |
| Every day | 606,949 | A | - | U | - | U | 356,688 | A | - | U | - | U | 112,469 | M |
| Several times a week | 519,676 | A | - | U | - | U | 250,252 | A | - | U | - | U | 115,348 | M |
| A few times a week | 452,750 | A | - | U | - | U | 209,944 | M | - | U | - | U | 74,511 | M |
| A few times a month | 958,241 | A | - | U | - | U | 413,488 | A | - | U | 114,725 | M | 361,801 | M |
| Never | 361,713 | A | - | U | - | U | 185,022 | M | - | U | - | U | 91,764 | M |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 306,138 | A | 20,716 | M | - | U | 116,717 | M | - | U | - | U | 50,446 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 6.5 – Fireplaces (4/4)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Pilot light turned off in the summer | | | | | | |
| Yes | 1,281,716 A | 237,605 M | 48,016 M | - U | - U | - U |
| No | 901,155 A | 107,612 M | - U | - U | - U | - U |
| No pilot light | 46,993 M | - U | - U | - - | - - | - - |
| Don't know | - U | - U | - U | - - | - - | - - |
| Not stated | 218,417 A | - U | - U | - U | - U | - - |
| Type of venting for the main gas fireplace | | | | | | |
| Out the chimney | 782,419 A | 71,918 M | - U | - U | - U | - U |
| Out the side wall (direct vent) | 1,291,032 A | 227,812 M | - U | - U | - U | - U |
| Don't know | 149,594 M | - U | - U | - U | - U | - - |
| Not stated | 268,259 A | - U | - U | - U | - U | - - |
| Use of the main gas fireplace during the heating season | | | | | | |
| Every day | 454,093 A | - U | - U | - U | - U | - U |
| Several times a week | 396,038 A | - U | - U | - U | - U | - - |
| A few times a week | 396,196 A | - U | - U | - U | - - | - U |
| A few times a month | 690,688 A | - U | - U | - U | - U | - U |
| Never | 290,224 A | - U | - U | - U | - U | - U |
| Don't know | - U | - - | - - | - - | - - | - - |
| Not stated | 235,456 A | - U | - U | - U | - U | - - |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 7



Air conditioning

Table 7.1 – Air conditioning of dwellings (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|---|-----------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with air conditioning | | | | | | | | | | | | | | |
| Yes | 7,774,028 | A | 274,512 | A | 1,873,870 | A | 4,025,171 | A | 660,373 | A | 364,566 | A | 575,537 | M |
| No | 5,682,397 | A | 681,934 | A | 1,438,216 | A | 1,020,066 | A | 219,458 | A | 1,072,295 | A | 1,250,428 | A |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 127,621 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Type of air conditioner | | | | | | | | | | | | | | |
| Central air conditioner | 4,787,156 | A | 55,531 | A | 549,496 | A | 3,176,004 | A | 450,789 | A | 241,595 | A | 313,741 | M |
| Window/room air conditioner | 2,986,873 | A | 218,980 | A | 1,324,374 | A | 849,167 | A | 209,584 | A | 122,971 | M | 261,796 | M |
| No air conditioner | 5,682,397 | A | 681,934 | A | 1,438,216 | A | 1,020,066 | A | 219,458 | A | 1,072,295 | A | 1,250,428 | A |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 127,621 | M | – | U | – | U | – | U | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 7.1 – Air conditioning of dwellings (2/2)

| | Number of households by type of dwelling ¹ | | | | | | | | | |
|---|---|---|-------------------|---|---------------------|---|----------------------|---|--------------|---|
| | Single detached houses | | Double/row houses | | Low-rise apartments | | High-rise apartments | | Mobile homes | |
| Households with air conditioning | | | | | | | | | | |
| Yes | 4,871,481 | A | 1,019,819 | A | 1,009,469 | A | 601,930 | A | 103,289 | M |
| No | 3,273,293 | A | 701,747 | A | 1,029,173 | A | 388,931 | M | – | U |
| Don't know | – | U | – | U | – | U | – | – | – | – |
| Not stated | – | U | – | U | – | U | – | U | – | U |
| Type of air conditioner | | | | | | | | | | |
| Central air conditioner | 3,699,184 | A | 540,663 | A | 127,522 | M | 255,259 | M | – | U |
| Window/room air conditioner | 1,172,297 | A | 479,156 | A | 881,946 | A | 346,670 | M | 53,425 | M |
| No air conditioner | 3,273,293 | A | 701,747 | A | 1,029,173 | A | 388,931 | M | – | U |
| Don't know | – | U | – | U | – | U | – | – | – | – |
| Not stated | – | U | – | U | – | U | – | U | – | U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 7.2 – Central air conditioning (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|--|-----------|---|----------|---|---------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Age of the central air conditioner | | | | | | | | | | | | | | |
| 5 years or less | 1,435,280 | A | - | U | 214,577 | A | 886,388 | A | 111,944 | A | 59,412 | M | - | U |
| 6 to 10 years | 1,166,572 | A | - | U | 160,586 | M | 765,235 | A | 88,758 | A | 57,080 | M | - | U |
| 11 to 15 years | 886,925 | A | - | U | 82,741 | M | 636,726 | A | 61,798 | M | - | U | - | U |
| 16 to 20 years | 383,485 | A | - | U | - | U | 274,436 | A | 53,024 | M | - | U | - | U |
| 21 years or more | 363,801 | A | - | U | - | U | 218,340 | A | 83,256 | M | - | U | - | U |
| Don't know | 451,591 | A | - | U | - | U | 357,189 | A | 49,191 | M | - | U | - | U |
| Not stated | 99,501 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Households with an ENERGY STAR® central air conditioner | | | | | | | | | | | | | | |
| Yes | 1,703,145 | A | - | U | 237,303 | M | 1,195,647 | A | 124,702 | A | 62,825 | M | 66,102 | M |
| No | 861,897 | A | - | U | 105,626 | M | 520,906 | A | 114,031 | A | - | U | - | U |
| Don't know | 2,048,758 | A | - | U | 175,927 | A | 1,358,546 | A | 205,554 | A | 94,201 | M | - | U |
| Not stated | 173,357 | A | - | U | - | U | 100,905 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 7.2 – Central air conditioning (2/2)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|-----|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Age of the central air conditioner | | | | | | |
| 5 years or less | 1,129,135 A | 193,618 M | – U | – U | – | – U |
| 6 to 10 years | 959,357 A | 118,013 M | – U | – U | – | – U |
| 11 to 15 years | 646,808 A | 153,799 M | – U | – U | – | – U |
| 16 to 20 years | 295,049 A | – U | – U | – U | – | – U |
| 21 years or more | 304,400 A | – U | – U | – U | – | – |
| Don't know | 287,758 M | – U | – U | – U | – | – U |
| Not stated | 76,676 M | – U | – U | – U | – | – U |
| Households with an ENERGY STAR® central air conditioner | | | | | | |
| Yes | 1,392,752 A | 204,241 M | – U | – U | – | – U |
| No | 739,832 A | 48,844 M | – U | – U | – | – U |
| Don't know | 1,425,788 A | 284,325 M | – U | – U | 223,512 M | – U |
| Not stated | 140,811 M | – U | – U | – U | – | – U |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 7.3 – Window/room air conditioners (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|---------|---|---------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Number of window/room air conditioners | | | | | | | | | | | | | | |
| One | 1,804,197 | A | 155,212 | A | 802,376 | A | 553,734 | A | 142,793 | A | 75,896 | M | 74,186 | M |
| Two or more | 506,875 | A | 33,252 | M | 223,516 | M | 154,205 | M | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | – | – | – | – | – |
| Not stated | 619,029 | A | 29,414 | M | 261,518 | M | 122,524 | M | – | U | – | U | – | U |
| Type of window/room air conditioner most frequently used | | | | | | | | | | | | | | |
| Window-mounted (louvred) unit | 1,376,117 | A | 128,704 | A | 629,130 | A | 468,907 | A | 59,575 | M | – | U | – | U |
| Through-the-wall mounted (non-louvred) unit | 323,668 | A | – | U | 128,342 | M | – | U | 90,795 | M | – | U | – | U |
| Free-standing portable unit | 505,127 | A | 39,210 | M | 183,897 | M | 165,108 | M | – | U | – | U | – | U |
| Mini-split air conditioner | – | U | – | U | – | U | – | U | – | U | – | – | – | – |
| Wall-mounted heat pump/air conditioner | 76,977 | M | – | U | 61,453 | M | – | U | – | U | – | – | – | – |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | – | – | – |
| Not stated | 626,141 | A | 28,526 | M | 267,715 | M | 123,040 | M | – | U | – | U | – | U |
| Capacity of the window/room air conditioner most frequently used | | | | | | | | | | | | | | |
| Less than 8,000 Btu | 443,810 | A | 30,862 | M | 275,239 | M | 114,975 | M | – | U | – | U | – | U |
| 8,000 to 10,000 Btu | 200,779 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| More than 10,000 Btu | 613,480 | A | 38,792 | M | 381,086 | A | 149,152 | M | – | U | – | U | – | U |
| Don't know | 1,101,588 | A | 99,099 | A | 320,299 | M | 372,903 | A | 143,856 | A | 78,689 | M | 86,742 | M |
| Not stated | 627,214 | A | 37,951 | M | 260,857 | M | 122,464 | M | – | U | – | U | – | U |
| Age of the window/room air conditioner most frequently used | | | | | | | | | | | | | | |
| 5 years or less | 1,436,462 | A | 124,979 | A | 627,519 | A | 457,400 | A | 80,281 | M | – | U | 81,150 | M |
| 6 to 10 years | 584,176 | A | 36,184 | M | 340,572 | A | 150,980 | M | 25,218 | M | – | U | – | U |
| 11 to 15 years | 130,328 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| 16 to 20 years | 65,358 | M | – | U | – | U | – | U | – | U | – | – | – | U |
| 21 years or more | – | U | – | U | – | U | – | U | – | U | – | – | – | U |
| Don't know | 133,883 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 595,640 | A | 27,298 | M | 250,514 | M | 112,716 | M | – | U | – | U | – | U |
| Households with an ENERGY STAR® window/room air conditioner (most frequently used) | | | | | | | | | | | | | | |
| Yes | 1,142,280 | A | 102,010 | A | 596,232 | A | 284,118 | A | 58,211 | M | – | U | – | U |
| No | 381,330 | A | 20,280 | M | 154,756 | M | 130,369 | M | 39,727 | M | – | U | – | U |
| Don't know | 860,091 | A | 68,489 | M | 319,399 | A | 319,550 | M | 77,875 | M | – | U | – | U |
| Not stated | 603,172 | A | 28,201 | M | 253,988 | M | 115,130 | M | – | U | – | U | – | U |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 7.3 – Window/room air conditioners (2/2)

| | Number of households by type of dwelling ¹ | | | | | |
|---|---|-------------------|---------------------|----------------------|--------------|---|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Number of window/room air conditioners | | | | | | |
| One | 686,601 A | 279,319 M | 505,944 A | 277,202 M | - | U |
| Two or more | 251,296 A | 94,084 M | 106,099 M | - | U | - |
| Don't know | - | U | - | U | - | - |
| Not stated | 217,488 A | - | U | 254,527 M | - | U |
| Type of window/room air conditioner most frequently used | | | | | | |
| Window-mounted (louvred) unit | 544,540 A | 266,123 M | 323,491 M | 168,966 M | - | U |
| Through-the-wall mounted (non-louvred) unit | 110,451 M | - | U | 77,825 M | - | U |
| Free-standing portable unit | 219,315 A | - | U | 188,801 M | - | U |
| Mini-split air conditioner | - | U | - | U | - | U |
| Wall-mounted heat pump/air conditioner | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U |
| Not stated | 209,421 A | - | U | 263,403 M | - | U |
| Capacity of the window/room air conditioner most frequently used | | | | | | |
| Less than 8,000 Btu | 159,333 A | 68,456 M | - | U | - | U |
| 8,000 to 10,000 Btu | 55,962 M | - | U | - | U | - |
| More than 10,000 Btu | 292,228 A | 125,711 M | 123,549 M | - | U | - |
| Don't know | 454,444 A | 179,022 M | 259,314 A | 163,341 M | - | U |
| Not stated | 210,331 A | - | U | 266,812 M | - | U |
| Age of the window/room air conditioner most frequently used | | | | | | |
| 5 years or less | 575,720 A | 245,985 M | 399,865 A | 175,391 M | - | U |
| 6 to 10 years | 254,026 A | 101,996 M | 124,453 M | - | U | - |
| 11 to 15 years | 62,665 M | - | U | - | U | - |
| 16 to 20 years | - | U | - | U | - | U |
| 21 years or more | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U |
| Not stated | 196,564 A | - | U | 252,806 M | - | U |
| Households with an ENERGY STAR® window/room air conditioner (most frequently used) | | | | | | |
| Yes | 558,515 A | 220,555 M | 250,423 M | - | U | - |
| No | 155,248 A | - | U | 89,431 M | - | U |
| Don't know | 263,689 A | 112,837 M | 289,090 M | 166,607 M | - | U |
| Not stated | 194,844 A | - | U | 253,003 M | - | U |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 8



Dwelling temperature

Table 8.1 – Thermostats (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a thermostat | | | | | | | | | | | | | | |
| Yes | 12,881,158 | A | 942,961 | A | 3,312,366 | A | 4,613,838 | A | 875,052 | A | 1,439,155 | A | 1,697,786 | A |
| No | 372,494 | M | - | U | - | U | 283,830 | M | - | U | - | U | - | U |
| Don't know | 190,226 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 155,244 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Households with a mechanical built-in unit thermostat | | | | | | | | | | | | | | |
| One | 538,798 | A | 39,356 | M | 192,041 | M | 142,555 | M | - | U | - | U | - | U |
| Two or more | 743,010 | A | 65,425 | A | 303,686 | M | 124,514 | M | - | U | - | U | - | U |
| None | 3,127,499 | A | 191,385 | A | 664,762 | A | 1,172,086 | A | 233,283 | A | 538,373 | A | 327,611 | M |
| Don't know | 706,512 | A | - | U | 142,702 | M | 305,735 | M | - | U | - | U | - | U |
| Not stated | 8,110,808 | A | 620,034 | A | 2,069,156 | A | 3,034,758 | A | 510,269 | A | 812,739 | A | 1,063,851 | A |
| Households with a mechanical wall unit thermostat | | | | | | | | | | | | | | |
| One | 2,647,435 | A | 172,916 | A | 348,033 | A | 869,169 | A | 245,397 | A | 642,892 | A | 369,029 | A |
| Two or more | 2,171,143 | A | 375,423 | A | 909,325 | A | 351,179 | A | 100,291 | M | 64,479 | M | 370,446 | M |
| None | 1,887,215 | A | 74,970 | A | 490,472 | A | 798,739 | A | 149,009 | A | 245,403 | A | 128,622 | M |
| Don't know | 586,431 | A | 50,286 | M | - | U | 263,378 | M | - | U | - | U | - | U |
| Not stated | 5,934,402 | A | 284,981 | A | 1,519,523 | A | 2,497,184 | A | 325,163 | A | 476,718 | A | 830,834 | A |
| Households with an electronic, non-programmable thermostat | | | | | | | | | | | | | | |
| One | 747,246 | A | 39,994 | M | 211,635 | M | 274,340 | A | 73,404 | M | 69,428 | M | 78,445 | M |
| Two or more | 1,027,543 | A | 121,336 | A | 693,385 | A | 82,586 | M | - | U | - | U | - | U |
| None | 3,042,697 | A | 203,994 | A | 621,289 | A | 1,133,214 | A | 256,704 | A | 506,850 | A | 320,646 | M |
| Don't know | 532,737 | A | - | U | - | U | 260,534 | M | - | U | - | U | - | U |
| Not stated | 7,876,405 | A | 555,421 | A | 1,760,401 | A | 3,028,973 | A | 500,713 | A | 830,250 | A | 1,200,647 | A |
| Households with an electronic, programmable thermostat | | | | | | | | | | | | | | |
| One | 4,570,925 | A | 116,186 | A | 551,500 | A | 2,465,517 | A | 353,602 | A | 568,660 | A | 515,459 | M |
| Two or more | 1,628,709 | A | 109,671 | A | 1,072,138 | A | 249,753 | M | - | U | 65,581 | M | 97,092 | M |
| None | 1,910,517 | A | 162,232 | A | 456,795 | A | 560,415 | A | 132,648 | M | 354,510 | M | 243,917 | M |
| Don't know | 534,309 | A | - | U | - | U | 279,552 | M | - | U | - | U | - | U |
| Not stated | 4,582,167 | A | 539,144 | A | 1,218,006 | A | 1,224,411 | A | 318,815 | A | 438,793 | A | 842,998 | A |
| Households with a main programmable thermostat | | | | | | | | | | | | | | |
| Yes | 5,404,589 | A | 181,285 | A | 1,299,366 | A | 2,437,009 | A | 347,851 | A | 593,674 | A | 545,403 | A |
| No | 496,056 | A | 38,392 | M | 228,150 | M | 160,328 | M | 24,326 | U | - | U | - | U |
| Don't know | - | U | - | - | - | U | - | U | - | U | - | - | - | U |
| Not stated | 240,521 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Households with a main electronic, programmable thermostat that was programmed | | | | | | | | | | | | | | |
| Yes | 4,743,453 | A | 148,021 | A | 1,063,492 | A | 2,201,055 | A | 297,499 | A | 510,535 | A | 522,851 | A |
| No | 650,682 | A | 31,196 | M | 234,822 | M | 230,027 | A | 48,946 | M | 83,139 | M | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | - | - | - |
| Not stated | - | U | - | - | - | - | - | U | - | - | - | - | - | - |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 8.1 – Thermostats (2/2)

| | Number of households by occupation mode | |
|---|---|-------------|
| | Owner | Renter |
| Households with a thermostat | | |
| Yes | 9,957,686 A | 2,923,472 A |
| No | – U | 312,106 M |
| Don't know | – U | – U |
| Not stated | – U | – U |
| Households with a mechanical built-in unit thermostat | | |
| One | 355,784 A | 183,014 M |
| Two or more | 515,631 M | 227,379 M |
| None | 2,293,458 A | 834,041 A |
| Don't know | 328,751 M | 377,761 A |
| Not stated | 6,554,862 A | 1,555,946 A |
| Households with a mechanical wall unit thermostat | | |
| One | 1,958,329 A | 689,106 A |
| Two or more | 1,300,795 A | 870,348 A |
| None | 1,519,956 A | 367,259 A |
| Don't know | 301,172 M | 285,259 A |
| Not stated | 4,968,235 A | 966,168 A |
| Households with an electronic, non-programmable thermostat | | |
| One | 665,128 A | 82,118 M |
| Two or more | 721,218 A | 306,325 M |
| None | 2,211,355 A | 831,342 A |
| Don't know | 250,891 M | 281,846 M |
| Not stated | 6,199,895 A | 1,676,510 A |
| Households with an electronic, programmable thermostat | | |
| One | 4,232,898 A | 338,027 M |
| Two or more | 1,322,474 A | 306,235 M |
| None | 1,095,089 A | 815,429 A |
| Don't know | 273,278 M | 261,031 M |
| Not stated | 3,124,748 A | 1,457,419 A |
| Households with a main programmable thermostat | | |
| Yes | 4,921,476 A | 483,113 M |
| No | 345,744 A | 150,311 M |
| Don't know | – U | – U |
| Not stated | 238,702 M | – U |
| Households with a main electronic, programmable thermostat that was programmed | | |
| Yes | 4,343,474 A | 399,980 M |
| No | 567,919 A | – U |
| Don't know | – U | – U |
| Not stated | – U | – |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 8.2 – Dwelling temperature (°C) (1/4)

| | Number of households by region | | | | | | | |
|--|--------------------------------|-----------|-----------|-------------|---------------------------|-----------|---------------------|-----|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Dwelling temperature when there and awake during the winter | | | | | | | | |
| Thermostat turned off | – U | – U | – U | – U | – U | – U | – U | – U |
| 17 degrees or less | 485,399 A | 90,748 M | – U | 103,853 M | – U | – U | 166,520 M | |
| 18 degrees | 684,903 A | 64,323 A | 118,328 M | 165,661 A | 35,516 M | 108,042 M | – U | |
| 19 degrees | 560,896 A | 45,651 M | 130,964 M | 207,171 M | 35,385 M | 59,712 M | – U | |
| 20 degrees | 3,036,519 A | 269,362 A | 740,429 A | 1,041,081 A | 198,391 A | 384,798 A | 402,458 A | |
| 21 degrees | 3,171,847 A | 183,207 A | 731,493 A | 1,344,852 A | 223,807 A | 289,588 A | 398,900 M | |
| 22 degrees | 2,256,416 A | 97,084 A | 724,638 A | 869,099 A | 169,450 A | 219,541 M | 176,604 M | |
| 23 degrees or more | 1,354,535 A | 95,561 A | 484,367 A | 503,563 A | 119,448 A | 92,118 M | 59,478 M | |
| Don't know | 276,120 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 780,424 A | – U | – U | 172,036 M | – U | – U | – U | |
| Dwelling temperature when asleep during the winter | | | | | | | | |
| Thermostat turned off | 445,139 A | 33,994 M | – U | – U | – U | – U | 161,403 M | |
| 17 degrees or less | 2,756,178 A | 362,978 A | 655,446 A | 716,919 A | 171,947 A | 409,408 A | 439,480 A | |
| 18 degrees | 2,263,555 A | 126,359 A | 730,687 A | 727,188 A | 131,287 A | 248,763 A | 299,272 M | |
| 19 degrees | 1,281,677 A | 51,785 M | 309,422 A | 562,771 A | 99,209 M | 86,581 M | – U | |
| 20 degrees | 2,020,995 A | 155,068 A | 528,025 A | 822,142 A | 172,758 A | 173,452 M | 169,550 M | |
| 21 degrees | 1,299,425 A | 62,075 A | 269,790 A | 637,551 A | 79,122 A | 90,685 M | – U | |
| 22 degrees | 824,738 A | 22,574 M | 209,006 A | 341,887 A | 44,193 M | 160,289 M | – U | |
| 23 degrees or more | 543,544 A | 27,291 M | 185,402 M | 199,064 M | 71,453 M | – U | – U | |
| Don't know | 435,214 A | 44,067 M | – U | 240,457 M | – U | – U | – U | |
| Not stated | 780,424 A | – U | – U | 172,036 M | – U | – U | – U | |
| Dwelling temperature when there and awake during the summer | | | | | | | | |
| Thermostat turned off | 471,457 A | – U | 112,320 M | 189,123 M | 52,757 M | – U | – U | |
| 17 degrees or less | 205,098 M | – U | – U | – U | – U | – U | – | |
| 18 degrees | 244,492 M | – U | – U | – U | – U | – U | – U | |
| 19 degrees | 120,835 M | – U | – U | 65,042 M | – U | – U | – U | |
| 20 degrees | 602,917 A | 22,878 M | 186,204 M | 263,023 M | 74,444 M | – U | – U | |
| 21 degrees | 801,550 A | 33,168 M | 180,323 M | 376,005 A | 87,071 M | 44,101 M | – U | |
| 22 degrees | 884,427 A | – U | 234,599 A | 482,633 A | 64,696 M | – U | – U | |
| 23 degrees or more | 2,582,958 A | – U | 489,176 A | 1,593,054 A | 225,692 A | 75,845 M | 175,331 M | |
| Don't know | 692,346 A | 53,627 M | 193,437 M | 350,189 A | 45,151 M | – U | – U | |
| Not stated | 769,077 A | – U | – U | 172,036 M | – U | – U | – U | |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 8.2 – Dwelling temperature (°C) (2/4)

| | Number of households by occupation mode | |
|--|---|-----------|
| | Owner | Renter |
| Dwelling temperature when there and awake during the winter | | |
| Thermostat turned off | – U | – U |
| 17 degrees or less | 307,689 A | 177,710 M |
| 18 degrees | 586,078 A | 98,825 M |
| 19 degrees | 470,539 A | – U |
| 20 degrees | 2,275,324 A | 761,195 A |
| 21 degrees | 2,688,740 A | 483,107 A |
| 22 degrees | 1,783,323 A | 473,093 M |
| 23 degrees or more | 921,639 A | 432,896 A |
| Don't know | 166,382 M | – U |
| Not stated | 625,341 A | – U |
| Dwelling temperature when asleep during the winter | | |
| Thermostat turned off | 189,977 M | 255,162 M |
| 17 degrees or less | 2,088,595 A | 667,583 A |
| 18 degrees | 1,885,970 A | 377,585 A |
| 19 degrees | 1,158,934 A | 122,743 M |
| 20 degrees | 1,554,926 A | 466,070 A |
| 21 degrees | 1,061,634 A | 237,791 M |
| 22 degrees | 653,530 A | 171,209 M |
| 23 degrees or more | 341,461 A | 202,083 M |
| Don't know | 292,145 M | 143,069 M |
| Not stated | 625,341 A | – U |
| Dwelling temperature when there and awake during the summer | | |
| Thermostat turned off | 412,170 A | – U |
| 17 degrees or less | 105,169 M | – U |
| 18 degrees | 157,526 M | – U |
| 19 degrees | 100,499 M | – U |
| 20 degrees | 466,235 A | – U |
| 21 degrees | 666,867 A | 134,683 M |
| 22 degrees | 788,992 A | 95,436 M |
| 23 degrees or more | 2,289,726 A | 293,233 A |
| Don't know | 467,672 A | 224,674 M |
| Not stated | 613,994 A | – U |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 8.2 – Dwelling temperature (°C) (3/4)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|---------|---|---------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| Dwelling temperature when asleep during the summer | | | | | | | | | | | | | | |
| Thermostat turned off | 1,691,297 | A | 80,758 | A | 466,077 | A | 589,934 | A | 213,610 | A | 143,183 | M | 197,736 | M |
| 17 degrees or less | 250,905 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 18 degrees | 219,639 | M | - | U | - | U | 105,201 | M | - | U | - | U | - | U |
| 19 degrees | 234,341 | M | - | U | - | U | 76,580 | M | - | U | - | U | - | U |
| 20 degrees | 548,540 | A | - | U | 159,285 | M | 290,168 | A | 53,548 | M | - | U | - | U |
| 21 degrees | 552,319 | A | - | U | 120,549 | M | 334,838 | A | 57,572 | M | - | U | - | U |
| 22 degrees | 623,386 | A | - | U | 155,792 | M | 364,536 | A | 42,078 | M | - | U | - | U |
| 23 degrees or more | 1,885,062 | A | - | U | 376,448 | A | 1,284,938 | A | 145,185 | A | - | U | - | U |
| Don't know | 600,591 | A | 41,363 | M | - | U | 366,074 | M | 32,692 | M | - | U | - | U |
| Not stated | 769,077 | A | - | U | - | U | 172,036 | M | - | U | - | U | - | U |
| Dwelling temperature when not at home during the summer | | | | | | | | | | | | | | |
| Thermostat turned off | 3,336,569 | A | 149,366 | A | 1,059,786 | A | 1,372,698 | A | 320,799 | A | 178,339 | M | 255,581 | M |
| 17 degrees or less | 114,503 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 18 degrees | 148,342 | M | - | U | - | U | 110,747 | M | - | U | - | U | - | U |
| 19 degrees | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| 20 degrees | 266,570 | A | - | U | - | U | 115,944 | M | 27,585 | M | - | U | - | U |
| 21 degrees | 278,967 | A | - | U | - | U | 152,178 | M | - | U | - | U | - | U |
| 22 degrees | 369,950 | A | - | U | 102,126 | M | 207,100 | A | 39,125 | M | - | U | - | U |
| 23 degrees or more | 1,618,003 | A | - | U | 218,771 | M | 1,184,060 | A | 132,876 | A | - | U | - | U |
| Don't know | 333,909 | M | - | U | - | U | 227,294 | M | - | U | - | U | - | U |
| Not stated | 772,393 | A | - | U | - | U | 175,352 | M | - | U | - | U | - | U |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 8.2 – Dwelling temperature (°C) (4/4)

| | Number of households by occupation mode | |
|--|---|-----------|
| | Owner | Renter |
| Dwelling temperature when asleep during the summer | | |
| Thermostat turned off | 1,248,129 A | 443,168 A |
| 17 degrees or less | 135,516 M | - U |
| 18 degrees | 200,009 M | - U |
| 19 degrees | 216,848 M | - U |
| 20 degrees | 441,911 A | - U |
| 21 degrees | 460,708 A | - U |
| 22 degrees | 564,908 A | - U |
| 23 degrees or more | 1,706,861 A | 178,201 M |
| Don't know | 479,967 A | 120,625 M |
| Not stated | 613,994 A | - U |
| Dwelling temperature when not at home during the summer | | |
| Thermostat turned off | 2,490,346 A | 846,223 A |
| 17 degrees or less | 93,330 M | - U |
| 18 degrees | 135,438 M | - U |
| 19 degrees | - U | - U |
| 20 degrees | 217,384 A | - U |
| 21 degrees | 233,961 A | - U |
| 22 degrees | 340,642 A | - U |
| 23 degrees or more | 1,516,164 A | 101,839 M |
| Don't know | 294,303 M | - U |
| Not stated | 617,310 A | - U |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 9



Hot water

Table 9.1 – Hot water* (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a hot water heater | | | | | | | | | | | | | | |
| Yes | 9,231,489 | A | 639,526 | A | 1,986,408 | A | 3,625,693 | A | 606,394 | A | 1,094,612 | A | 1,278,857 | A |
| No | 502,236 | A | 62,128 | A | – | U | 183,585 | M | – | U | – | U | 81,678 | M |
| Don't know | – | U | – | U | – | – | – | U | – | U | – | U | – | U |
| Not stated | 290,525 | M | – | U | 93,283 | M | – | U | – | U | – | U | – | U |
| The hot water heater is located in the dwelling | | | | | | | | | | | | | | |
| Yes | 8,862,749 | A | 633,037 | A | 1,886,297 | A | 3,571,309 | A | 581,875 | A | 1,070,636 | A | 1,119,595 | A |
| No | 285,553 | M | – | U | 86,661 | M | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | – | – | – | – | – | – | – | – | U | – | U |
| Not stated | 397,144 | A | – | U | 106,733 | M | 134,403 | M | – | U | – | U | – | U |
| Type of hot water heater | | | | | | | | | | | | | | |
| Standard hot water tank | 8,338,976 | A | 590,598 | A | 1,865,621 | A | 3,349,547 | A | 555,555 | A | 991,819 | A | 985,836 | A |
| Tankless (instantaneous water heater) | 219,722 | M | – | U | – | U | 142,545 | M | – | U | – | U | – | U |
| Combination boiler (typically a wall-hung unit) | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Other | 61,431 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 504,477 | A | 24,641 | M | 102,986 | M | 154,052 | M | – | U | – | U | – | U |
| Energy source of the hot water heater | | | | | | | | | | | | | | |
| Electricity | 3,749,151 | A | 508,721 | A | 1,737,984 | A | 674,627 | A | 212,783 | A | 96,507 | M | 518,528 | A |
| Oil | 230,224 | A | 115,891 | A | – | U | 43,403 | M | – | – | – | – | – | U |
| Natural gas | 4,415,095 | A | – | U | 80,862 | M | 2,607,711 | A | 347,041 | A | 896,208 | A | 480,749 | A |
| Propane | 86,974 | M | – | U | – | – | – | U | – | U | – | U | – | U |
| Other source | – | U | – | U | – | – | – | U | – | U | – | – | – | U |
| Don't know | 310,593 | M | – | U | – | – | – | U | – | U | – | U | – | U |
| Not stated | 519,291 | A | – | U | 104,336 | M | 185,205 | M | – | U | – | U | – | U |
| Age of the hot water heater | | | | | | | | | | | | | | |
| 5 years or less | 2,717,791 | A | 179,569 | A | 584,625 | A | 1,193,079 | A | 176,780 | A | 253,957 | A | 329,780 | M |
| 6 to 10 years | 2,144,240 | A | 153,946 | A | 653,377 | A | 673,094 | A | 113,798 | A | 251,765 | A | 298,261 | M |
| 11 to 15 years | 505,193 | A | 24,770 | M | 162,694 | M | 197,165 | A | – | U | 66,861 | M | – | U |
| 16 to 20 years | 146,022 | M | – | U | – | U | 73,639 | M | – | U | – | U | – | U |
| 21 to 25 years | 47,526 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| 26 years or more | 69,770 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 3,690,543 | A | 272,153 | A | 558,787 | A | 1,530,200 | A | 284,775 | A | 467,157 | A | 577,470 | A |

* Only respondents who own their dwellings

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 9.1 – Hot water* (2/2)

| Number of households by region | | | | | | | | | | | | | | |
|---|-----------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Replaced the previous hot water tank with the current hot water heater | | | | | | | | | | | | | | |
| Yes | 5,085,198 | A | 405,708 | A | 1,164,987 | A | 2,071,988 | A | 366,596 | A | 527,652 | A | 548,268 | A |
| No | 3,248,100 | A | 192,978 | A | 647,217 | A | 1,274,450 | A | 188,695 | A | 497,339 | A | 447,421 | M |
| Don't know | 419,091 | A | – | U | – | U | 151,087 | M | – | U | – | U | – | U |
| Not stated | 568,696 | A | 24,744 | M | 107,533 | M | 208,186 | M | – | U | – | U | – | U |
| Condition of the previous hot water tank when replaced | | | | | | | | | | | | | | |
| Still working | 2,323,042 | A | 126,593 | A | 500,029 | A | 1,113,335 | A | 89,208 | A | 291,696 | A | 202,182 | M |
| Not working | 2,651,893 | A | 268,544 | A | 622,492 | A | 930,156 | A | 269,807 | A | 220,265 | A | 340,629 | A |
| Don't know | 133,313 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 964,738 | A | 59,518 | M | 197,903 | M | 310,257 | A | 53,235 | M | 72,441 | M | 271,384 | M |
| Age of the previous hot water tank when replaced | | | | | | | | | | | | | | |
| 5 years or less | – | U | – | U | – | U | – | U | – | U | – | – | – | U |
| 6 to 10 years | 408,190 | A | – | U | 122,670 | M | 210,335 | M | – | U | – | U | – | U |
| 11 to 15 years | 316,115 | A | – | U | 132,359 | M | 128,879 | M | – | U | – | U | – | U |
| 16 to 20 years | 193,045 | A | – | U | – | U | 75,762 | M | – | U | – | U | – | U |
| 21 to 25 years | 126,240 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| 26 years or more | 69,597 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 2,279,383 | A | 128,877 | A | 413,503 | A | 984,656 | A | 109,827 | A | 256,263 | A | 386,256 | A |
| Households with a low-flow showerhead | | | | | | | | | | | | | | |
| Yes | 8,344,712 | A | 583,536 | A | 2,206,011 | A | 3,357,746 | A | 449,783 | A | 739,168 | A | 1,008,468 | A |
| No | 3,773,105 | A | 311,677 | A | 897,166 | A | 1,279,657 | A | 315,762 | A | 397,833 | A | 571,010 | A |
| Don't know | 657,513 | A | 44,882 | M | 119,176 | M | 251,839 | M | 76,924 | M | 125,975 | M | – | U |
| Not stated | 823,791 | A | – | U | – | U | 174,237 | M | – | U | – | U | – | U |

* Only respondents who own their dwellings

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 10



Household appliances

Table 10.1 – Refrigerator (1/2)

| | Number of households by region | | | | | | | |
|--|--------------------------------|-----------|-------------|-------------|---------------------------|-----------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Households with a refrigerator | | | | | | | | |
| One | 8,901,954 A | 734,048 A | 2,233,984 A | 3,238,290 A | 529,638 A | 932,700 A | 1,233,294 A | |
| Two | 4,137,689 A | 204,142 A | 999,936 A | 1,628,056 A | 294,682 A | 487,031 A | 523,842 A | |
| Three or more | 234,067 A | – U | – U | 126,547 M | – U | – U | – U | |
| None | – U | – – | – U | – – | – – | – – | – – | |
| Don't know | – U | – U | – – | – U | – U | – – | – – | |
| Not stated | 311,025 M | – U | – U | 67,959 M | – U | – U | – U | |
| Age of the main refrigerator | | | | | | | | |
| 5 years or less | 5,133,352 A | 330,463 A | 1,386,518 A | 1,878,114 A | 360,641 A | 489,763 A | 687,853 A | |
| 6 to 10 years | 4,072,784 A | 304,821 A | 1,000,081 A | 1,559,294 A | 215,978 A | 462,889 A | 529,721 A | |
| 11 to 15 years | 1,989,831 A | 123,079 A | 555,811 A | 795,062 A | 110,716 A | 181,001 A | 224,162 M | |
| 16 to 20 years | 888,076 A | 86,449 M | 229,334 M | 243,735 M | 53,724 M | 88,009 M | 186,825 M | |
| 21 to 25 years | 226,287 A | – U | – U | 87,797 M | 26,976 M | – U | – U | |
| 26 years or more | 179,840 M | – U | – U | – U | – U | – U | – U | |
| Don't know | 1,001,043 A | 92,194 A | – U | 386,856 A | 99,264 M | 197,069 M | 143,231 M | |
| Not stated | 104,939 M | – U | – U | – U | – U | – U | – U | |
| Household with an ENERGY STAR® main refrigerator | | | | | | | | |
| Yes | 6,435,600 A | 439,833 A | 1,691,813 A | 2,366,443 A | 401,342 A | 698,129 A | 838,040 A | |
| No | 3,041,934 A | 201,405 A | 833,600 A | 1,073,669 A | 217,192 A | 269,051 A | 447,017 M | |
| Don't know | 2,633,883 A | 226,992 A | 416,239 A | 1,166,086 A | 178,884 A | 338,019 A | 307,662 M | |
| Not stated | 1,484,734 A | 111,675 A | 441,593 A | 457,281 A | 91,854 A | 143,554 M | 238,778 M | |
| Age of the secondary refrigerator | | | | | | | | |
| 5 years or less | 1,369,788 A | 74,605 M | 216,668 M | 574,787 A | 98,093 A | 166,790 M | 238,845 M | |
| 6 to 10 years | 1,098,705 A | 63,659 A | 257,360 M | 496,318 A | 46,141 M | 103,804 M | 131,422 M | |
| 11 to 15 years | 855,004 A | 26,745 M | 255,515 A | 342,105 A | 77,256 M | 61,583 M | 91,800 M | |
| 16 to 20 years | 402,582 A | 24,431 M | 105,121 M | 108,509 M | 53,640 M | – U | – U | |
| 21 to 25 years | 267,014 A | – U | 81,447 M | 97,272 M | – U | – U | – U | |
| 26 years or more | 249,799 A | – U | 118,616 M | 69,974 M | 22,757 M | – U | – U | |
| Don't know | 164,933 M | – U | – U | 68,130 M | – U | – U | – U | |
| Not stated | 289,344 M | – U | – U | 68,093 M | – U | – U | – U | |
| Households with an ENERGY STAR® secondary refrigerator | | | | | | | | |
| Yes | 1,443,941 A | 68,765 M | 266,968 M | 664,232 A | 76,310 M | 151,790 M | 215,876 M | |
| No | 1,688,391 A | 81,411 A | 493,147 A | 601,136 A | 178,467 A | 185,730 A | 148,500 M | |
| Don't know | 768,779 A | 52,327 M | 136,797 M | 327,988 A | 55,840 M | 106,547 M | 89,279 M | |
| Not stated | 796,056 A | 43,354 M | 255,320 M | 231,832 A | 49,017 M | 71,985 M | 144,547 M | |
| What was done with the previous refrigerator when it was replaced with the current one? | | | | | | | | |
| No old refrigerator – current one is original/first | 4,316,435 A | 196,346 A | 1,156,043 A | 1,491,026 A | 231,765 A | 523,866 A | 717,388 A | |
| Disposed of refrigerator | 3,663,385 A | 372,263 A | 717,020 A | 1,636,976 A | 244,575 A | 382,294 A | 310,256 A | |
| Kept it at home and plugged in all year | 714,019 A | 36,550 M | 244,289 M | 216,630 M | 53,890 M | 103,771 M | 58,888 M | |
| Kept it at home/plugged it in when needed | 238,949 M | – U | – U | 65,217 M | 21,588 M | – U | – U | |
| Resold | 1,068,103 A | 119,652 A | 277,159 A | 367,114 A | 83,328 A | 116,592 M | 104,258 M | |
| Other | 1,756,909 A | 90,081 A | 495,644 A | 671,235 A | 127,448 A | 124,582 M | 247,919 M | |
| Don't know | 1,223,262 A | 102,845 A | – U | 465,159 A | 92,630 M | 146,142 M | 316,957 M | |
| Not stated | 615,088 A | 42,989 M | 319,506 A | 150,121 M | – U | – U | 54,854 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.1 – Refrigerator (2/2)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a refrigerator | | | | | | |
| One | 2,692,461 A | 2,871,474 A | 1,228,588 A | 1,538,376 A | 571,055 M | |
| Two | 430,922 A | 1,339,161 A | 763,133 A | 1,387,416 A | 217,057 M | |
| Three or more | – U | 98,139 M | – U | 90,252 M | – U | |
| None | – U | – | – | – | – | |
| Don't know | – U | – | – | – | – | |
| Not stated | – U | 111,869 M | – U | – U | – U | |
| Age of the main refrigerator | | | | | | |
| 5 years or less | 1,018,366 A | 1,663,415 A | 900,115 A | 1,218,813 A | 332,643 M | |
| 6 to 10 years | 837,673 A | 1,341,663 A | 649,691 A | 1,046,454 A | 197,303 M | |
| 11 to 15 years | 500,003 A | 674,833 A | 219,844 A | 485,730 M | – U | |
| 16 to 20 years | 271,733 A | 298,359 A | 128,828 M | 118,654 M | – U | |
| 21 to 25 years | 58,860 M | 77,051 M | – U | – U | – U | |
| 26 years or more | 101,231 M | 50,614 M | – U | – U | – U | |
| Don't know | 404,735 A | 290,070 A | 101,320 M | 122,046 M | – U | |
| Not stated | – U | – U | – U | – U | – U | |
| Households with an ENERGY STAR® main refrigerator | | | | | | |
| Yes | 1,014,742 A | 2,133,168 A | 1,183,032 A | 1,664,619 A | 440,039 M | |
| No | 982,338 A | 948,570 A | 365,069 A | 592,438 A | – U | |
| Don't know | 764,560 A | 816,173 A | 327,438 A | 560,543 A | 165,169 M | |
| Not stated | 451,694 A | 522,732 A | 196,627 A | 246,688 A | – U | |
| Age of the secondary refrigerator | | | | | | |
| 5 years or less | 188,737 M | 393,133 A | 225,564 A | 482,576 M | – U | |
| 6 to 10 years | 65,996 M | 363,745 A | 173,470 A | 393,411 A | – U | |
| 11 to 15 years | 43,462 M | 320,133 A | 191,339 M | 271,185 A | – U | |
| 16 to 20 years | 47,323 M | 133,438 A | 68,121 M | 141,684 M | – U | |
| 21 to 25 years | – U | 113,766 M | – U | 83,546 M | – U | |
| 26 years or more | – U | 129,053 M | – U | – U | – U | |
| Don't know | – U | 45,987 M | – U | – U | – U | |
| Not stated | 97,899 M | 49,914 M | – U | – U | – U | |
| Households with an ENERGY STAR® secondary refrigerator | | | | | | |
| Yes | 89,866 M | 452,017 A | 277,319 A | 542,599 A | – U | |
| No | 128,267 M | 589,025 A | 308,809 A | 567,426 A | – U | |
| Don't know | 110,528 M | 247,891 A | 127,936 M | 243,765 A | – U | |
| Not stated | 195,182 M | 260,237 A | 129,516 M | 172,122 M | – U | |
| What was done with the previous refrigerator when it was replaced with the current one? | | | | | | |
| No old refrigerator – current one is original/first | 1,150,057 A | 1,247,216 A | 614,681 A | 1,056,282 A | 248,200 M | |
| Disposed of refrigerator | 774,852 A | 1,274,277 A | 686,410 A | 740,186 A | 187,660 M | |
| Kept it at home and plugged in all year | – U | 231,200 A | 131,353 M | 254,688 A | – U | |
| Kept it at home/plugged it in when needed | – U | 63,824 M | – U | – U | – U | |
| Resold | 159,346 M | 403,510 A | 189,654 A | 280,673 A | – U | |
| Other | 394,107 A | 687,113 A | 242,880 A | 401,480 A | – U | |
| Don't know | 435,746 A | 313,774 A | 145,646 M | 160,385 M | – U | |
| Not stated | 223,036 M | 199,730 A | – U | 137,360 M | – U | |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.2 – Freezer (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a freezer (stand-alone) | | | | | | | | | | | | | | |
| One | 6,946,597 | A | 637,057 | A | 1,627,105 | A | 2,648,901 | A | 517,118 | A | 762,183 | A | 754,234 | A |
| Two | 756,434 | A | 68,143 | A | 102,176 | M | 179,279 | A | 108,912 | A | 152,555 | M | 145,368 | M |
| Three or more | 92,911 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| None | 5,182,861 | A | 215,552 | A | 1,401,520 | A | 2,028,741 | A | 217,439 | A | 477,764 | A | 841,845 | A |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 593,230 | A | 43,433 | M | 246,552 | M | 181,892 | M | – | U | – | U | – | U |
| Age of the main freezer | | | | | | | | | | | | | | |
| 5 years or less | 2,316,581 | A | 205,684 | A | 554,808 | A | 828,187 | A | 135,313 | A | 242,652 | A | 349,937 | M |
| 6 to 10 years | 1,827,102 | A | 174,811 | A | 424,581 | A | 698,313 | A | 132,030 | A | 221,142 | A | 176,227 | M |
| 11 to 15 years | 1,330,411 | A | 128,465 | A | 342,575 | A | 463,330 | A | 102,231 | A | 142,954 | M | 150,855 | M |
| 16 to 20 years | 902,351 | A | 73,319 | A | 210,134 | A | 277,751 | A | 111,466 | A | 143,184 | M | 86,496 | M |
| 21 to 25 years | 601,216 | A | 54,580 | M | 108,285 | M | 223,361 | A | 71,326 | M | – | U | 69,229 | M |
| 26 years or more | 468,954 | A | 43,123 | A | 65,385 | M | 187,543 | A | 63,584 | M | 53,183 | M | 56,135 | M |
| Don't know | 212,174 | A | – | U | – | U | 80,248 | M | – | U | – | U | – | U |
| Not stated | 757,472 | A | 53,899 | M | 266,287 | M | 276,005 | A | 37,557 | M | – | U | – | U |
| Households with an ENERGY STAR® main freezer | | | | | | | | | | | | | | |
| Yes | 2,652,743 | A | 224,876 | A | 626,745 | A | 1,048,622 | A | 163,018 | A | 313,509 | A | 275,974 | M |
| No | 2,594,351 | A | 206,421 | A | 622,215 | A | 858,324 | A | 295,478 | A | 251,581 | A | 360,333 | A |
| Don't know | 1,544,657 | A | 180,152 | A | 239,149 | A | 621,206 | A | 99,692 | A | 264,232 | A | 140,226 | M |
| Not stated | 1,624,508 | A | 152,905 | A | 496,586 | A | 506,587 | A | 113,645 | A | 141,667 | M | 213,119 | M |
| Size of the main freezer | | | | | | | | | | | | | | |
| Very small (less than 7.0 cu. ft.) | 1,134,517 | A | 113,632 | A | 254,792 | A | 478,566 | A | 58,328 | M | 110,904 | M | – | U |
| Small (7.1 to 13.9 cu. ft.) | 2,754,272 | A | 240,571 | A | 662,333 | A | 975,020 | A | 249,810 | A | 316,465 | A | 310,073 | A |
| Medium (14.0 to 17.9 cu. ft.) | 2,362,818 | A | 232,286 | A | 508,991 | A | 840,136 | A | 180,386 | A | 297,806 | A | 303,213 | M |
| Large (18.0 to 22.9 cu. ft.) | 1,115,670 | A | 99,835 | A | 251,856 | A | 358,947 | A | 109,994 | A | 134,779 | M | 160,259 | M |
| Very large (more than 23 cu. ft.) | 117,393 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 277,593 | M | – | U | – | U | 133,654 | M | – | U | – | U | – | U |
| Not stated | 653,997 | A | 54,482 | M | 224,741 | M | 220,231 | M | 43,007 | M | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.2 – Freezer (2/2)

| | Number of households by size of household | | | | | |
|---|---|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a freezer (stand-alone) | | | | | | |
| One | 1,119,354 A | 2,542,277 A | 1,086,595 A | 1,840,800 A | 357,572 A | |
| Two | 52,243 M | 251,608 A | 125,159 M | 267,535 M | – U | |
| Three or more | – U | – U | – U | – U | – U | |
| None | 1,746,444 A | 1,427,007 A | 771,233 A | 880,377 A | 357,801 M | |
| Don't know | – U | – U | – U | – | – | |
| Not stated | 280,087 M | 130,545 M | – U | – U | – U | |
| Age of the main freezer | | | | | | |
| 5 years or less | 340,716 A | 894,987 A | 374,629 A | 599,949 A | – U | |
| 6 to 10 years | 270,197 A | 634,869 A | 276,911 A | 535,027 A | – U | |
| 11 to 15 years | 178,834 M | 469,429 A | 187,924 A | 412,391 A | – U | |
| 16 to 20 years | 153,013 M | 305,279 A | 144,478 M | 251,822 A | – U | |
| 21 to 25 years | 74,497 M | 228,610 A | 111,439 M | 169,036 M | – U | |
| 26 years or more | 114,401 M | 175,102 A | 94,448 M | 68,474 M | – U | |
| Don't know | – U | 82,802 M | – U | 59,075 M | – U | |
| Not stated | 298,539 A | 202,558 A | 89,559 M | 88,136 M | – U | |
| Households with an ENERGY STAR® main freezer | | | | | | |
| Yes | 301,759 A | 1,003,589 A | 449,981 A | 770,714 A | 126,701 M | |
| No | 391,791 A | 1,001,121 A | 388,821 A | 708,907 A | 103,711 M | |
| Don't know | 307,311 A | 483,466 A | 273,978 A | 383,622 A | – U | |
| Not stated | 468,999 A | 505,461 A | 188,155 A | 320,668 A | 141,225 M | |
| Size of the main freezer | | | | | | |
| Very small (less than 7.0 cu. ft.) | 287,208 M | 437,951 A | 133,210 M | 238,627 A | – U | |
| Small (7.1 to 13.9 cu. ft.) | 448,822 A | 1,071,607 A | 444,174 A | 613,012 A | 176,656 M | |
| Medium (14.0 to 17.9 cu. ft.) | 289,743 A | 855,152 A | 366,035 A | 750,875 A | 101,012 M | |
| Large (18.0 to 22.9 cu. ft.) | 116,754 A | 388,458 A | 203,408 A | 342,294 A | – U | |
| Very large (more than 23 cu. ft.) | – U | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | 85,086 M | – U | |
| Not stated | 255,881 M | 151,931 M | 77,126 M | 95,442 M | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.3 – Cooking appliances (1/6)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|-----------|---|-----------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| Households with a regular stove/range, separate cooktop or built-in oven | | | | | | | | | | | | | | |
| Yes | 13,450,475 | A | 971,853 | A | 3,344,675 | A | 4,990,425 | A | 879,517 | A | 1,442,251 | A | 1,821,754 | A |
| No | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 129,294 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Households with a regular stove/range | | | | | | | | | | | | | | |
| Yes | 12,753,597 | A | 912,709 | A | 3,122,856 | A | 4,772,732 | A | 841,008 | A | 1,358,799 | A | 1,745,493 | A |
| No | 494,445 | A | 37,046 | M | 146,531 | M | 167,320 | M | - | U | - | U | 55,776 | M |
| Not stated | 351,078 | A | 30,150 | M | 116,828 | M | 123,427 | M | - | U | - | U | - | U |
| Age of the regular stove/range | | | | | | | | | | | | | | |
| 5 years or less | 4,410,144 | A | 312,219 | A | 1,072,322 | A | 1,689,157 | A | 279,783 | A | 339,214 | A | 717,448 | A |
| 6 to 10 years | 3,635,798 | A | 246,423 | A | 990,613 | A | 1,349,129 | A | 174,887 | A | 473,278 | A | 401,469 | M |
| 11 to 15 years | 2,057,557 | A | 116,193 | A | 582,839 | A | 735,646 | A | 128,249 | A | 233,968 | A | 260,662 | M |
| 16 to 20 years | 852,370 | A | 60,236 | M | 166,285 | M | 333,246 | A | 54,275 | M | 88,292 | M | 150,036 | M |
| 21 to 25 years | 382,575 | A | 52,604 | M | 84,987 | M | 157,970 | A | 39,446 | M | - | U | - | U |
| 26 years or more | 339,251 | A | 23,938 | M | 117,477 | M | 106,310 | M | 31,419 | M | - | U | 43,806 | M |
| Don't know | 1,075,902 | A | 101,096 | M | - | U | 401,274 | A | 132,948 | A | 191,175 | M | 141,075 | M |
| Not stated | 351,078 | A | 30,150 | M | 116,828 | M | 123,427 | M | - | U | - | U | - | U |
| Energy source of the regular stove/range | | | | | | | | | | | | | | |
| Electricity | 9,821,595 | A | 765,878 | A | 2,839,213 | A | 3,320,069 | A | 668,924 | A | 966,033 | A | 1,261,479 | A |
| Natural gas | 1,039,203 | A | - | U | - | U | 681,230 | A | - | U | 105,661 | M | 217,616 | M |
| Electricity and natural gas | 335,656 | M | - | U | - | U | 230,223 | M | - | U | - | U | - | U |
| Propane | 123,797 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | 185,881 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 1,598,544 | A | 140,305 | A | 280,949 | M | 579,219 | A | 166,673 | A | 235,930 | M | 195,468 | M |
| Households with a separate cooktop | | | | | | | | | | | | | | |
| Yes | 1,768,624 | A | 128,526 | A | 416,338 | A | 537,731 | A | 92,164 | M | 199,284 | M | 394,580 | M |
| No | 8,614,299 | A | 560,028 | A | 1,982,227 | A | 3,420,490 | A | 574,781 | A | 942,604 | A | 1,134,169 | A |
| Not stated | 3,216,198 | A | 291,350 | A | 987,650 | A | 1,105,257 | A | 222,327 | A | 306,865 | A | 302,748 | M |
| Age of the separate cooktop | | | | | | | | | | | | | | |
| 5 years or less | 724,578 | A | 33,323 | M | 193,219 | M | 168,906 | M | - | U | - | U | 240,364 | M |
| 6 to 10 years | 337,178 | A | - | U | - | U | 162,166 | M | - | U | - | U | - | U |
| 11 to 15 years | 166,704 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 16 to 20 years | 109,665 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 21 to 25 years | 94,756 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 26 years or more | 78,183 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | 257,559 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 3,216,198 | A | 291,350 | A | 987,650 | A | 1,105,257 | A | 222,327 | A | 306,865 | A | 302,748 | M |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.3 – Cooking appliances (2/6)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a regular stove/range, separate cooktop or built-in oven | | | | | | |
| Yes | 3,174,842 A | 4,383,206 A | 2,040,424 A | 3,045,285 A | 806,717 A | |
| No | - U | - U | - - | - U | - U | |
| Not stated | - U | - U | - U | - U | - U | |
| Households with a regular stove/range | | | | | | |
| Yes | 3,084,890 A | 4,054,285 A | 1,937,504 A | 2,921,498 A | 755,420 A | |
| No | - U | 219,615 M | 74,240 M | 80,083 M | - U | |
| Not stated | 47,556 M | 146,744 A | - U | - U | - U | |
| Age of the regular stove/range | | | | | | |
| 5 years or less | 854,026 A | 1,334,706 A | 797,995 A | 1,164,119 A | 259,298 M | |
| 6 to 10 years | 678,336 A | 1,235,442 A | 614,328 A | 925,962 A | 181,731 M | |
| 11 to 15 years | 551,082 A | 658,830 A | 219,535 A | 484,469 A | - U | |
| 16 to 20 years | 273,862 M | 273,003 A | 98,013 M | 143,294 M | - U | |
| 21 to 25 years | 115,825 A | 141,916 M | 54,593 M | 58,692 M | - U | |
| 26 years or more | 179,593 M | 97,966 M | - U | - U | - U | |
| Don't know | 432,166 A | 312,422 A | 124,856 M | 121,957 M | - U | |
| Not stated | 47,556 M | 146,744 A | - U | - U | - U | |
| Energy source of the regular stove/range | | | | | | |
| Electricity | 2,380,512 A | 3,240,959 A | 1,548,365 A | 2,157,511 A | 494,248 A | |
| Natural gas | 129,875 M | 296,741 A | 149,936 A | 363,337 M | - U | |
| Electricity and natural gas | - U | - U | - U | 159,964 M | - U | |
| Propane | - U | - U | - U | - U | - U | |
| Don't know | - U | - U | - U | - U | - U | |
| Not stated | 498,802 A | 514,456 A | 207,784 M | 227,893 A | - U | |
| Households with a separate cooktop | | | | | | |
| Yes | 283,128 M | 625,764 A | 243,711 A | 373,209 A | - U | |
| No | 1,926,523 A | 2,709,123 A | 1,383,653 A | 2,209,463 A | 385,537 M | |
| Not stated | 1,006,652 A | 1,085,757 A | 444,803 A | 481,615 A | 197,371 M | |
| Age of the separate cooktop | | | | | | |
| 5 years or less | - U | 260,034 M | 86,981 M | 171,872 M | - U | |
| 6 to 10 years | - U | 111,208 M | - U | 105,989 M | - U | |
| 11 to 15 years | - U | 88,225 M | - U | - U | - U | |
| 16 to 20 years | - U | 42,746 M | - U | - U | - U | |
| 21 to 25 years | - U | 31,496 M | - U | - U | - U | |
| 26 years or more | - U | - U | - U | - U | - U | |
| Don't know | - U | - U | - U | - U | - U | |
| Not stated | 1,006,652 A | 1,085,757 A | 444,803 A | 481,615 A | 197,371 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.3 – Cooking appliances (3/6)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Energy source of the separate cooktop | | | | | | | | | | | | | | |
| Electricity | 1,013,996 | A | 96,989 | A | 334,770 | A | 295,509 | A | 64,267 | M | 68,898 | M | - | U |
| Natural gas | 247,640 | M | - | - | - | U | 117,552 | M | - | U | - | U | - | U |
| Electricity and natural gas | - | U | - | - | - | - | - | U | - | - | - | U | - | U |
| Propane | - | U | - | U | - | U | - | U | - | - | - | - | - | U |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | U | - | U |
| Not stated | 3,646,265 | A | 316,747 | A | 1,052,606 | A | 1,192,239 | A | 248,960 | A | 394,291 | A | 441,423 | A |
| Households with a built-in oven | | | | | | | | | | | | | | |
| Yes | 2,468,491 | A | 129,342 | A | 421,066 | A | 872,443 | A | 143,225 | A | 325,038 | M | 577,377 | A |
| No | 7,840,975 | A | 554,586 | A | 1,957,379 | A | 3,098,690 | A | 517,809 | A | 830,650 | A | 881,861 | A |
| Not stated | 3,289,654 | A | 295,977 | A | 1,007,770 | A | 1,092,345 | A | 228,239 | A | 293,064 | A | 372,259 | M |
| Age of the built-in oven | | | | | | | | | | | | | | |
| 5 years or less | 968,906 | A | 22,345 | M | 174,259 | M | 364,235 | A | 57,258 | M | - | U | 282,498 | M |
| 6 to 10 years | 444,163 | A | 26,815 | M | - | U | 240,026 | A | - | U | - | U | 33,520 | M |
| 11 to 15 years | 341,397 | M | - | U | - | U | 79,344 | M | - | U | - | U | - | U |
| 16 to 20 years | 209,680 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 21 to 25 years | 82,914 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| 26 years or more | 86,800 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | 334,631 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 3,289,654 | A | 295,977 | A | 1,007,770 | A | 1,092,345 | A | 228,239 | A | 293,064 | A | 372,259 | M |
| Energy source of the built-in oven | | | | | | | | | | | | | | |
| Electricity | 1,732,320 | A | 102,513 | A | 309,307 | A | 618,854 | A | 72,197 | M | 184,368 | M | 445,080 | M |
| Natural gas | 96,334 | M | - | - | - | - | - | U | - | U | - | U | - | U |
| Electricity and natural gas | - | U | - | - | - | - | - | U | - | U | - | U | - | U |
| Propane | - | U | - | U | - | - | - | U | - | - | - | - | - | - |
| Don't know | - | U | - | - | - | - | - | U | - | U | - | U | - | U |
| Not stated | 3,839,153 | A | 320,946 | A | 1,119,529 | A | 1,240,614 | A | 295,573 | A | 398,313 | A | 464,178 | A |
| Use of the regular stove/range or built-in oven with a separate cooktop during an average week | | | | | | | | | | | | | | |
| Three or more times a day | 2,562,995 | A | 256,384 | A | 457,679 | A | 905,751 | A | 171,777 | A | 360,846 | M | 410,558 | M |
| Two times a day | 4,001,062 | A | 291,741 | A | 1,020,200 | A | 1,593,772 | A | 280,974 | A | 358,942 | A | 455,434 | A |
| Once a day | 4,410,573 | A | 252,933 | A | 1,187,040 | A | 1,620,979 | A | 266,901 | A | 420,572 | A | 662,147 | A |
| A few times each week | 1,873,833 | A | 132,350 | A | 470,140 | A | 761,471 | A | 115,298 | A | 183,021 | M | 211,553 | M |
| Once a week | 164,912 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Less than once a week | 133,991 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Never | - | U | - | - | - | - | - | U | - | - | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 329,896 | A | - | U | 178,360 | M | - | U | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.3 – Cooking appliances (4/6)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Energy source of the separate cooktop | | | | | | |
| Electricity | 165,584 M | 387,700 A | 148,816 M | 212,059 A | – U | |
| Natural gas | – U | 77,864 M | – U | – U | – U | |
| Electricity and natural gas | – – | – U | – – | – U | – – | |
| Propane | – – | – U | – U | – U | – – | |
| Don't know | – U | – U | – – | – U | – U | |
| Not stated | 1,092,878 A | 1,187,917 A | 511,481 A | 569,381 A | 284,608 M | |
| Households with a built-in oven | | | | | | |
| Yes | 392,201 A | 878,586 A | 326,971 A | 594,745 A | 275,988 M | |
| No | 1,859,311 A | 2,422,248 A | 1,297,887 A | 1,942,737 A | 318,792 M | |
| Not stated | 964,791 A | 1,119,810 A | 447,309 A | 526,806 A | 230,939 M | |
| Age of the built-in oven | | | | | | |
| 5 years or less | – U | 341,285 M | 135,228 M | 283,124 M | – U | |
| 6 to 10 years | – U | 114,934 A | 77,383 M | 156,305 M | – U | |
| 11 to 15 years | – U | 176,209 M | – U | 69,508 M | – U | |
| 16 to 20 years | – U | 70,083 M | – U | – U | – U | |
| 21 to 25 years | – U | 30,318 M | – U | – U | – U | |
| 26 years or more | – U | 37,150 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 964,791 A | 1,119,810 A | 447,309 A | 526,806 A | 230,939 M | |
| Energy source of the built-in oven | | | | | | |
| Electricity | 189,482 M | 643,148 A | 222,914 M | 472,133 M | – U | |
| Natural gas | – U | – U | – U | – U | – U | |
| Electricity and natural gas | – – | – U | – U | – U | – – | |
| Propane | – U | – U | – – | – U | – – | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 1,144,971 A | 1,308,103 A | 512,303 A | 575,477 A | 298,299 M | |
| Use of the regular stove/range or built-in oven with a separate cooktop during an average week | | | | | | |
| Three or more times a day | 406,454 A | 756,801 A | 425,639 A | 729,641 A | 244,460 M | |
| Two times a day | 694,367 A | 1,424,694 A | 595,816 A | 1,072,631 A | 213,554 M | |
| Once a day | 849,266 A | 1,543,532 A | 814,364 A | 964,107 A | 239,304 M | |
| A few times each week | 918,243 A | 518,429 A | 191,468 A | 169,220 A | – U | |
| Once a week | – U | – U | – U | – U | – – | |
| Less than once a week | 103,153 M | – U | – U | – – | – U | |
| Never | – U | – U | – – | – U | – – | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 77,974 M | 117,562 M | – U | – U | – U | |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.3 – Cooking appliances (5/6)

| Number of households by region | | | | | | | | | | | | | | |
|---|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a microwave oven | | | | | | | | | | | | | | |
| Yes | 12,812,836 | A | 956,282 | A | 3,254,474 | A | 4,714,450 | A | 868,697 | A | 1,350,530 | A | 1,668,402 | A |
| No | 748,055 | A | - | U | - | U | 341,878 | M | - | U | - | U | 160,414 | M |
| Not stated | - | U | - | U | - | U | - | U | - | U | - | - | - | U |
| Age of the microwave oven | | | | | | | | | | | | | | |
| 5 years or less | 6,382,397 | A | 466,123 | A | 1,523,661 | A | 2,389,458 | A | 387,738 | A | 616,376 | A | 999,040 | A |
| 6 to 10 years | 3,643,219 | A | 282,959 | A | 885,607 | A | 1,389,781 | A | 256,097 | A | 428,983 | A | 399,793 | A |
| 11 to 15 years | 1,300,930 | A | 83,537 | A | 465,596 | A | 436,647 | A | 89,931 | A | 111,041 | M | 114,178 | M |
| 16 to 20 years | 509,834 | A | 51,261 | A | 123,598 | M | 170,225 | A | 53,616 | M | - | U | - | U |
| 21 to 25 years | 333,625 | A | 25,117 | M | 113,731 | M | 110,653 | M | - | U | - | U | - | U |
| 26 years or more | 140,175 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | 208,858 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 332,029 | A | - | U | - | U | 126,434 | M | - | U | - | U | - | U |
| Use of the microwave oven during an average week | | | | | | | | | | | | | | |
| Less than 5 minutes | 1,105,424 | A | 48,595 | M | 276,073 | M | 404,477 | A | 42,441 | M | - | U | 266,855 | M |
| 5 to 15 minutes | 3,490,685 | A | 266,352 | A | 1,012,599 | A | 1,169,973 | A | 252,015 | A | 306,077 | A | 483,670 | A |
| 16 to 30 minutes | 3,557,072 | A | 268,169 | A | 980,207 | A | 1,400,161 | A | 237,577 | A | 408,542 | A | 262,417 | A |
| 31 to 60 minutes | 3,079,694 | A | 230,993 | A | 673,876 | A | 1,149,911 | A | 216,033 | A | 334,539 | A | 474,342 | M |
| 61 minutes to 2 hours | 894,265 | A | 70,564 | M | 144,192 | M | 333,788 | A | 69,027 | M | 157,744 | M | 118,950 | M |
| More than 2 hours | 293,303 | A | 31,070 | M | - | U | 145,417 | M | - | U | - | U | - | U |
| Don't know | 294,372 | A | - | U | - | U | 95,357 | M | - | U | - | U | - | U |
| Not stated | 136,251 | M | - | U | - | U | - | U | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.3 – Cooking appliances (6/6)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a microwave oven | | | | | | |
| Yes | 2,912,942 A | 4,166,030 A | 2,022,764 A | 2,943,684 A | 767,415 A | |
| No | 275,482 M | 251,069 M | - U | - U | - U | |
| Not stated | - U | - U | - U | - - | - U | |
| Age of the microwave oven | | | | | | |
| 5 years or less | 1,286,654 A | 2,027,360 A | 973,275 A | 1,658,310 A | 436,798 M | |
| 6 to 10 years | 839,607 A | 1,149,593 A | 665,960 A | 808,770 A | 179,289 M | |
| 11 to 15 years | 345,599 A | 489,642 A | 161,849 M | 222,903 M | - U | |
| 16 to 20 years | 151,260 M | 162,072 A | 72,210 M | 88,296 M | - U | |
| 21 to 25 years | 80,938 M | 136,299 M | - U | - U | - U | |
| 26 years or more | - U | 56,324 M | - U | - U | - U | |
| Don't know | - U | - U | - U | - U | - U | |
| Not stated | 119,046 M | 88,726 M | - U | - U | - U | |
| Use of the microwave oven during an average week | | | | | | |
| Less than 5 minutes | 263,330 M | 384,048 M | 115,892 M | 235,778 M | - U | |
| 5 to 15 minutes | 819,079 A | 1,113,355 A | 634,045 A | 641,970 A | 282,235 M | |
| 16 to 30 minutes | 844,209 A | 1,088,383 A | 589,942 A | 929,919 A | 104,619 M | |
| 31 to 60 minutes | 662,196 A | 1,047,777 A | 440,700 A | 728,156 A | 200,865 M | |
| 61 minutes to 2 hours | 151,088 M | 304,833 A | 151,874 M | 248,174 A | - U | |
| More than 2 hours | 66,483 M | 68,712 M | - U | 98,029 M | - U | |
| Don't know | - U | 73,417 M | - U | 59,810 M | - U | |
| Not stated | - U | - U | - U | - U | - U | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.4 – Dishwasher (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a dishwasher | | | | | | | | | | | | | | |
| Yes | 9,299,413 | A | 573,391 | A | 2,118,762 | A | 3,395,910 | A | 554,629 | A | 1,199,337 | A | 1,457,384 | A |
| No | 3,968,440 | A | 356,698 | A | 1,127,087 | A | 1,590,004 | A | 307,988 | A | 234,229 | M | 352,434 | M |
| Not stated | 331,269 | A | 49,816 | M | – | U | 77,565 | M | – | U | – | U | – | U |
| Size of the dishwasher | | | | | | | | | | | | | | |
| Compact (mini – exterior width less than 56 cm/22 in.) | 495,455 | M | – | U | – | U | 199,831 | M | – | U | – | U | – | U |
| Standard (full size – exterior width greater than or equal to 56 cm/22 in.) | 8,220,994 | A | 523,125 | A | 1,992,397 | A | 3,093,690 | A | 511,566 | A | 1,030,221 | A | 1,069,995 | A |
| Don't know | 129,024 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 785,208 | A | 77,608 | M | 167,839 | M | 171,791 | M | 47,296 | M | – | U | 219,328 | M |
| Age of the dishwasher | | | | | | | | | | | | | | |
| 5 years or less | 3,922,247 | A | 220,704 | A | 898,785 | A | 1,352,097 | A | 245,111 | A | 427,486 | A | 778,065 | A |
| 6 to 10 years | 2,699,356 | A | 170,331 | A | 658,466 | A | 1,050,788 | A | 145,824 | A | 382,012 | A | 291,935 | A |
| 11 to 15 years | 1,327,981 | A | 82,270 | A | 259,250 | A | 627,034 | A | 64,280 | A | 172,210 | A | 122,938 | M |
| 16 to 20 years | 555,615 | A | 41,723 | M | 131,959 | M | 158,397 | M | – | U | 69,583 | M | 124,814 | M |
| 21 to 25 years | 202,912 | M | – | U | – | U | 65,585 | M | – | U | – | U | – | U |
| 26 years or more | 79,718 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 415,335 | A | – | U | – | U | 113,075 | M | – | U | – | U | – | U |
| Not stated | 427,518 | A | 53,213 | M | 190,581 | M | 88,750 | M | – | U | – | U | – | U |
| Households with an ENERGY STAR® dishwasher | | | | | | | | | | | | | | |
| Yes | 4,661,513 | A | 275,447 | A | 1,065,544 | A | 1,739,777 | A | 259,964 | A | 574,236 | A | 746,546 | A |
| No | 1,922,489 | A | 99,487 | A | 467,206 | A | 641,950 | A | 140,215 | A | 240,312 | A | 333,319 | M |
| Don't know | 1,711,571 | A | 150,079 | A | 269,886 | A | 700,450 | A | 107,413 | M | 258,484 | A | 225,258 | A |
| Not stated | 1,335,108 | A | 98,195 | A | 456,492 | A | 391,299 | A | 73,692 | M | 141,491 | M | 173,940 | M |
| Usual dishwasher dish drying method used | | | | | | | | | | | | | | |
| Heat on (with the door closed) | 5,191,682 | A | 324,040 | A | 1,331,715 | A | 1,840,632 | A | 347,187 | A | 678,643 | A | 669,464 | A |
| Heat off (with the door closed) | 2,324,099 | A | 154,342 | A | 469,312 | A | 1,064,927 | A | 120,099 | A | 232,900 | A | 282,519 | M |
| Door open (dishes dry naturally) | 1,214,259 | A | 58,272 | M | 305,036 | A | 353,992 | A | 59,644 | M | 131,844 | M | 305,470 | M |
| Don't know | 147,654 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 752,987 | A | 79,936 | M | 124,988 | M | 180,648 | M | 46,896 | M | 103,938 | M | 216,582 | M |
| Loads of dishes washed by dishwasher during an average week | | | | | | | | | | | | | | |
| One or less | 1,608,337 | A | 59,548 | M | 486,524 | A | 539,118 | A | 118,886 | A | 122,628 | M | 281,633 | M |
| Two to three | 3,337,304 | A | 237,758 | A | 921,407 | A | 1,301,291 | A | 161,457 | A | 377,911 | A | 337,480 | M |
| Four to seven | 3,270,921 | A | 222,061 | A | 578,188 | A | 1,235,585 | A | 213,252 | A | 463,282 | A | 558,552 | M |
| More than seven | 378,047 | A | – | U | – | U | 154,823 | M | – | U | – | U | – | U |
| Don't know | 178,257 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 857,815 | A | 83,629 | A | 214,220 | M | 179,462 | M | 50,156 | M | 103,587 | M | 226,760 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.4 – Dishwasher (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a dishwasher | | | | | | |
| Yes | 1,389,555 A | 3,070,503 A | 1,516,909 A | 2,656,627 A | 665,819 A | |
| No | 1,637,080 A | 1,291,565 A | 529,167 A | 378,730 A | 131,898 M | |
| Not stated | 189,669 M | 58,576 M | – U | – U | – U | |
| Size of the dishwasher | | | | | | |
| Compact (mini – exterior width less than 56 cm/22 in.) | – U | 164,104 M | – U | – U | – U | |
| Standard (full size – exterior width greater than or equal to 56 cm/22 in.) | 1,184,804 A | 2,810,130 A | 1,424,808 A | 2,368,919 A | 432,332 M | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 320,543 M | 136,587 M | 76,475 M | 106,755 M | – U | |
| Age of the dishwasher | | | | | | |
| 5 years or less | 457,527 A | 1,317,698 A | 663,318 A | 1,218,248 A | 265,457 M | |
| 6 to 10 years | 364,250 A | 875,708 A | 451,274 A | 852,186 A | – U | |
| 11 to 15 years | 217,277 A | 443,076 A | 238,259 M | 336,541 M | – U | |
| 16 to 20 years | 130,762 M | 175,772 A | 81,836 M | 97,204 M | – U | |
| 21 to 25 years | 38,814 M | 92,216 M | – U | – U | – U | |
| 26 years or more | – U | – U | – U | – U | – U | |
| Don't know | 127,870 M | 108,518 M | – U | – U | – U | |
| Not stated | 220,693 M | 90,306 M | – U | – U | – U | |
| Households with an ENERGY STAR® dishwasher | | | | | | |
| Yes | 477,835 A | 1,551,602 A | 806,097 A | 1,491,480 A | 334,499 M | |
| No | 322,622 A | 619,132 A | 259,629 A | 498,925 A | – U | |
| Don't know | 365,603 A | 580,644 A | 279,771 A | 412,787 A | – U | |
| Not stated | 413,164 M | 377,700 A | 197,504 M | 282,367 A | – U | |
| Usual dishwasher dish drying method used | | | | | | |
| Heat on (with the door closed) | 684,975 A | 1,661,555 A | 827,755 A | 1,695,476 A | 321,921 M | |
| Heat off (with the door closed) | 360,074 A | 870,908 A | 443,519 A | 553,794 A | – U | |
| Door open (dishes dry naturally) | 209,763 M | 433,076 A | 197,931 M | 291,900 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 290,932 M | 143,736 M | 64,766 M | 112,569 M | – U | |
| Loads of dishes washed by dishwasher during an average week | | | | | | |
| One or less | 557,738 A | 614,053 A | 108,587 M | 237,944 M | – U | |
| Two to three | 448,345 A | 1,318,386 A | 623,091 A | 674,621 A | 272,861 M | |
| Four to seven | 178,401 M | 955,500 A | 660,741 A | 1,363,846 A | – U | |
| More than seven | – U | – U | – U | 274,032 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 364,580 M | 161,032 M | 79,435 M | 112,363 M | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.5 – Clothes washer (1/4)

| Number of households by region | | | | | | | | | | | | | | |
|--|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a clothes washer | | | | | | | | | | | | | | |
| Yes | 12,033,046 | A | 926,466 | A | 3,113,119 | A | 4,326,574 | A | 735,219 | A | 1,268,946 | A | 1,662,721 | A |
| No | 1,518,260 | A | 50,924 | M | 273,096 | M | 703,658 | A | 143,649 | A | – | U | 167,127 | M |
| Not stated | – | U | – | U | – | – | – | U | – | U | – | – | – | U |
| Type of clothes washer | | | | | | | | | | | | | | |
| Standard top-loading | 6,892,793 | A | 693,756 | A | 1,996,700 | A | 2,252,182 | A | 414,104 | A | 674,056 | A | 861,995 | A |
| Standard front-loading | 3,966,709 | A | 146,354 | A | 911,598 | A | 1,632,434 | A | 222,707 | A | 483,549 | A | 570,067 | A |
| Washer/dryer combination with top-loading washer | 315,653 | A | 28,109 | M | – | U | 141,251 | M | – | U | – | U | 65,444 | M |
| Washer/dryer combination with front-loading washer | 409,018 | A | 35,426 | M | 83,805 | M | 153,588 | M | – | U | – | U | – | U |
| Other | 124,674 | M | – | U | – | U | 70,689 | M | – | U | – | U | – | U |
| Don't know | – | U | – | – | – | U | – | U | – | U | – | – | – | – |
| Not stated | 367,430 | A | – | U | – | U | 108,831 | M | – | U | – | U | – | U |
| Size of the clothes washer | | | | | | | | | | | | | | |
| Mini (compact – less than 45 L/10 gal.) | 673,896 | A | 27,876 | M | 126,676 | M | 237,618 | M | – | U | – | U | – | U |
| Standard (full size – greater than or equal to 45 L/10 gal.) | 10,797,870 | A | 869,931 | A | 2,850,604 | A | 3,945,240 | A | 660,118 | A | 1,153,166 | A | 1,318,810 | A |
| Don't know | 374,007 | M | – | U | 118,404 | M | – | U | – | U | – | U | – | U |
| Not stated | 235,088 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Age of the clothes washer | | | | | | | | | | | | | | |
| 5 years or less | 5,046,454 | A | 353,590 | A | 1,292,333 | A | 1,895,473 | A | 323,987 | A | 510,005 | A | 671,065 | A |
| 6 to 10 years | 3,297,413 | A | 282,105 | A | 846,718 | A | 1,210,932 | A | 172,585 | A | 369,079 | A | 415,993 | A |
| 11 to 15 years | 1,849,326 | A | 126,854 | A | 597,494 | A | 591,109 | A | 84,781 | A | 204,394 | M | 244,694 | M |
| 16 to 20 years | 701,121 | A | 58,705 | A | 171,818 | M | 228,136 | A | 24,208 | M | 79,408 | M | – | U |
| 21 to 25 years | 269,348 | A | – | U | 99,278 | M | 78,106 | M | – | U | – | U | – | U |
| 26 years or more | 149,133 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 429,085 | A | – | U | – | U | 164,147 | M | 47,799 | M | – | U | – | U |
| Not stated | 338,981 | A | – | U | – | U | 144,068 | M | – | U | – | U | – | U |
| Households with an ENERGY STAR® clothes washer | | | | | | | | | | | | | | |
| Yes | 6,119,506 | A | 434,606 | A | 1,531,440 | A | 2,409,434 | A | 367,184 | A | 618,085 | A | 758,756 | A |
| No | 2,466,324 | A | 165,532 | A | 709,073 | A | 736,081 | A | 151,028 | A | 285,447 | A | 419,161 | M |
| Don't know | 1,949,340 | A | 187,837 | A | 441,328 | A | 737,328 | A | 131,189 | M | 219,503 | M | 232,156 | M |
| Not stated | 1,545,691 | A | 141,006 | A | 431,278 | A | 476,977 | A | 96,222 | A | 145,910 | M | 254,297 | M |
| Water temperature used most for washing clothes | | | | | | | | | | | | | | |
| Hot | 399,394 | A | – | U | 110,781 | M | 163,108 | M | – | U | – | U | – | U |
| Cold | 6,752,911 | A | 601,989 | A | 2,110,203 | A | 2,326,674 | A | 268,958 | A | 555,144 | A | 889,944 | A |
| Warm | 4,541,068 | A | 289,093 | A | 827,971 | A | 1,709,657 | A | 416,861 | A | 642,641 | A | 654,845 | A |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 289,386 | A | – | U | – | U | 113,616 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.5 – Clothes washer (2/4)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a clothes washer | | | | | | |
| Yes | 2,306,108 A | 3,990,699 A | 2,013,456 A | 3,028,985 A | 693,797 A | |
| No | 900,970 A | 410,554 A | - U | - U | - U | |
| Not stated | - U | - U | - - | - - | - U | |
| Type of clothes washer | | | | | | |
| Standard top-loading | 1,565,642 A | 2,507,431 A | 1,080,626 A | 1,324,295 A | 414,798 A | |
| Standard front-loading | 418,937 A | 1,060,761 A | 788,736 A | 1,517,920 A | 180,355 M | |
| Washer/dryer combination with top-loading washer | 111,317 M | 92,751 M | - U | - U | - U | |
| Washer/dryer combination with front-loading washer | 52,323 M | 162,346 M | - U | 99,269 M | - U | |
| Other | - U | - U | - U | - U | - - | |
| Don't know | - U | - U | - - | - - | - - | |
| Not stated | 138,981 M | 133,520 M | - U | - U | - U | |
| Size of the clothes washer | | | | | | |
| Mini (compact – less than 45 L/10 gal.) | 141,713 M | 202,740 M | - U | - U | - U | |
| Standard (full size – greater than or equal to 45 L/10 gal.) | 1,968,219 A | 3,669,747 A | 1,866,814 A | 2,774,976 A | 518,114 A | |
| Don't know | - U | 62,560 M | - U | - U | - U | |
| Not stated | 100,905 M | - U | - U | - U | - U | |
| Age of the clothes washer | | | | | | |
| 5 years or less | 793,374 A | 1,496,050 A | 908,483 A | 1,582,720 A | 265,828 M | |
| 6 to 10 years | 544,123 A | 1,128,524 A | 610,278 A | 827,340 A | 187,148 M | |
| 11 to 15 years | 410,022 A | 728,686 A | 236,564 A | 357,525 A | - U | |
| 16 to 20 years | 206,803 M | 229,800 A | 81,909 M | 101,845 M | - U | |
| 21 to 25 years | 81,452 M | 128,436 M | - U | - U | - U | |
| 26 years or more | - U | 51,165 M | - U | - U | - U | |
| Don't know | 115,343 M | 154,880 M | - U | - U | - U | |
| Not stated | 115,327 M | 92,550 M | - U | - U | - U | |
| Households with an ENERGY STAR® clothes washer | | | | | | |
| Yes | 759,459 A | 1,927,550 A | 1,196,386 A | 1,953,342 A | 282,768 M | |
| No | 647,488 A | 837,107 A | 373,614 A | 385,350 A | 222,764 M | |
| Don't know | 464,343 A | 716,127 A | 290,373 A | 385,265 A | - U | |
| Not stated | 444,045 A | 529,306 A | 153,082 M | 305,027 A | 114,231 M | |
| Water temperature used most for washing clothes | | | | | | |
| Hot | 78,116 M | 170,016 M | - U | 75,094 M | - U | |
| Cold | 1,192,656 A | 2,281,960 A | 1,166,492 A | 1,770,990 A | 340,813 M | |
| Warm | 941,265 A | 1,454,004 A | 736,084 A | 1,132,209 A | 277,506 M | |
| Don't know | - U | - U | - U | - U | - U | |
| Not stated | 99,789 M | 96,231 M | - U | - U | - U | |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.5 – Clothes washer (3/4)

| Number of households by region | | | | | | | | | | | | | | |
|--|-----------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Water temperature used most for rinsing clothes | | | | | | | | | | | | | | |
| Hot | 211,515 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Cold | 9,630,771 | A | 780,691 | A | 2,698,136 | A | 3,459,049 | A | 524,857 | A | 929,597 | A | 1,238,441 | A |
| Warm | 1,792,971 | A | 119,752 | A | 294,478 | A | 673,872 | A | 148,586 | A | 279,650 | M | 276,633 | M |
| Don't know | 218,626 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 226,978 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Loads of clothes washed in an average winter week | | | | | | | | | | | | | | |
| One or less | 1,183,724 | A | 71,844 | A | 400,351 | A | 423,725 | A | 48,393 | M | 111,109 | M | 128,303 | M |
| Two to three | 4,324,954 | A | 251,994 | A | 1,320,820 | A | 1,398,823 | A | 233,987 | A | 406,144 | A | 713,185 | A |
| Four to seven | 4,484,398 | A | 391,068 | A | 1,039,786 | A | 1,683,328 | A | 295,973 | A | 537,859 | A | 536,384 | A |
| More than seven | 1,333,268 | A | 152,333 | A | 253,370 | A | 575,447 | A | 79,912 | A | 165,999 | A | 106,205 | M |
| Don't know | 418,592 | A | 48,497 | M | - | U | 164,041 | M | - | U | - | U | - | U |
| Not stated | 335,925 | A | - | U | - | U | 114,456 | M | - | U | - | U | - | U |
| Loads of clothes washed in an average summer week | | | | | | | | | | | | | | |
| One or less | 965,857 | A | 53,546 | M | 285,206 | A | 378,506 | A | 36,151 | M | 89,952 | M | 122,496 | M |
| Two to three | 4,401,230 | A | 244,022 | A | 1,300,567 | A | 1,350,726 | A | 233,434 | A | 393,790 | A | 878,691 | A |
| Four to seven | 4,522,008 | A | 408,627 | A | 1,086,155 | A | 1,786,952 | A | 292,850 | A | 568,433 | A | 378,991 | A |
| More than seven | 1,366,857 | A | 151,955 | A | 276,719 | A | 586,459 | A | 89,602 | M | 160,791 | A | 101,331 | M |
| Don't know | 535,163 | A | 63,566 | M | - | U | 173,457 | M | - | U | - | U | - | U |
| Not stated | 289,745 | M | - | U | - | U | 83,722 | M | - | U | - | U | - | U |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.5 – Clothes washer (4/4)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|-----|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Water temperature used most for rinsing clothes | | | | | | |
| Hot | – U | 62,402 M | – U | – U | – U | – U |
| Cold | 1,824,709 A | 3,253,733 A | 1,661,844 A | 2,425,490 A | 464,994 A | – U |
| Warm | 317,745 A | 580,316 A | 248,684 A | 467,779 A | 178,447 M | – U |
| Don't know | – U | – U | – U | – U | – U | – U |
| Not stated | 83,264 M | – U | – U | – U | – U | – U |
| Loads of clothes washed in an average winter week | | | | | | |
| One or less | 666,302 A | 352,667 A | – U | – U | – U | – U |
| Two to three | 1,100,982 A | 1,845,490 A | 576,617 A | 452,485 A | 349,380 M | – U |
| Four to seven | 358,516 A | 1,466,349 A | 987,943 A | 1,488,891 A | 182,698 M | – U |
| More than seven | – U | 168,257 A | 236,717 A | 864,761 A | – U | – U |
| Don't know | – U | 66,872 M | 98,118 M | 148,407 M | – U | – U |
| Not stated | 108,334 M | 110,454 M | – U | – U | – U | – U |
| Loads of clothes washed in an average summer week | | | | | | |
| One or less | 522,953 A | 326,509 A | – U | – U | – U | – U |
| Two to three | 1,150,063 A | 1,702,168 A | 594,674 A | 614,732 A | 339,593 M | – U |
| Four to seven | 386,290 A | 1,600,375 A | 945,984 A | 1,376,612 A | 212,747 M | – U |
| More than seven | – U | 200,670 A | 280,305 A | 819,145 A | – U | – U |
| Don't know | 115,562 M | 87,627 M | 100,993 M | 168,095 M | – U | – U |
| Not stated | 101,913 M | – U | – U | – U | – U | – U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.6 – Clothes dryer (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a clothes dryer | | | | | | | | | | | | | | |
| Yes | 11,748,687 | A | 896,095 | A | 2,956,903 | A | 4,221,004 | A | 711,956 | A | 1,313,709 | A | 1,649,020 | A |
| No | 1,715,104 | A | 76,147 | M | 376,028 | A | 794,871 | A | 151,980 | A | – | U | 181,817 | M |
| Not stated | 135,331 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Size of the clothes dryer | | | | | | | | | | | | | | |
| Compact (less than 125 L/28 gal. capacity) | 681,422 | A | 38,998 | M | 116,789 | M | 253,378 | M | – | U | – | U | – | U |
| Standard (greater than or equal to 125 L/28 gal. capacity) | 10,399,060 | A | 818,786 | A | 2,719,229 | A | 3,786,150 | A | 626,734 | A | 1,187,411 | A | 1,260,749 | A |
| Don't know | 321,702 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 481,833 | A | – | U | – | U | 172,499 | M | – | U | – | U | – | U |
| Age of the clothes dryer | | | | | | | | | | | | | | |
| 5 years or less | 4,494,796 | A | 341,898 | A | 1,089,648 | A | 1,635,663 | A | 307,435 | A | 486,016 | A | 634,136 | A |
| 6 to 10 years | 3,227,194 | A | 252,064 | A | 834,135 | A | 1,197,593 | A | 165,722 | A | 371,027 | A | 406,652 | A |
| 11 to 15 years | 1,928,378 | A | 119,864 | A | 590,599 | A | 652,618 | A | 116,347 | A | 208,045 | A | 240,906 | M |
| 16 to 20 years | 836,202 | A | 71,676 | M | 225,554 | M | 274,972 | A | 36,892 | M | 70,632 | M | – | U |
| 21 to 25 years | 309,861 | A | 28,040 | M | 111,055 | M | 91,071 | M | 28,293 | M | – | U | – | U |
| 26 years or more | 226,792 | A | 19,412 | M | 50,420 | M | 84,874 | M | – | U | – | U | – | U |
| Don't know | 529,865 | A | – | U | – | U | 193,899 | M | 47,159 | M | – | U | 103,805 | M |
| Not stated | 330,929 | M | – | U | – | U | 137,918 | M | – | U | – | U | – | U |
| Energy source of the clothes dryer | | | | | | | | | | | | | | |
| Electricity | 10,096,381 | A | 813,313 | A | 2,822,430 | A | 3,371,321 | A | 622,060 | A | 1,089,702 | A | 1,377,554 | A |
| Natural gas | 550,326 | A | – | – | – | U | 448,467 | A | – | U | 41,441 | M | – | U |
| Electricity and natural gas | 111,259 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Propane | – | U | – | U | – | – | – | U | – | – | – | U | – | U |
| Don't know | 127,615 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 976,371 | A | 79,320 | M | 142,958 | M | 367,363 | A | 75,436 | M | 143,509 | M | 167,785 | M |
| Households with a moisture detector in the clothes dryer | | | | | | | | | | | | | | |
| Yes | 4,691,426 | A | 283,677 | A | 1,050,824 | A | 1,822,474 | A | 294,911 | A | 610,961 | A | 628,580 | A |
| No | 4,132,541 | A | 360,480 | A | 1,135,505 | A | 1,373,657 | A | 223,055 | A | 460,498 | A | 579,344 | A |
| Don't know | 2,585,790 | A | 239,691 | A | 747,492 | A | 907,965 | A | 151,143 | A | 206,469 | M | 333,031 | M |
| Not stated | 474,260 | A | – | U | – | U | 164,512 | M | – | U | – | U | – | U |
| Loads of clothes dried in an average winter week | | | | | | | | | | | | | | |
| One or less | 1,462,874 | A | 81,993 | A | 428,867 | A | 524,259 | A | 55,369 | M | 222,466 | M | 149,919 | M |
| Two to three | 4,377,679 | A | 268,724 | A | 1,299,476 | A | 1,422,527 | A | 223,014 | A | 374,618 | A | 789,319 | A |
| Four to seven | 3,949,826 | A | 358,632 | A | 879,046 | A | 1,526,042 | A | 289,727 | A | 491,224 | A | 405,156 | A |
| More than seven | 1,136,966 | A | 134,339 | A | 218,654 | A | 469,963 | A | 74,681 | A | 164,020 | A | 75,310 | M |
| Don't know | 413,032 | A | 46,841 | M | – | U | 140,830 | M | – | U | – | U | – | U |
| Not stated | 543,640 | A | – | U | – | U | 184,987 | M | – | U | – | U | – | U |
| Loads of clothes dried in an average summer week | | | | | | | | | | | | | | |
| One or less | 3,188,810 | A | 274,539 | A | 1,126,374 | A | 1,089,957 | A | 89,677 | A | 247,894 | A | 360,368 | M |
| Two to three | 4,006,906 | A | 246,118 | A | 1,023,898 | A | 1,399,292 | A | 224,766 | A | 365,930 | A | 746,901 | A |
| Four to seven | 2,873,922 | A | 233,448 | A | 471,737 | A | 1,170,021 | A | 260,318 | A | 482,668 | A | 255,729 | M |
| More than seven | 691,978 | A | 57,021 | M | 125,311 | M | 269,894 | A | 57,699 | M | 137,110 | M | 44,943 | M |
| Don't know | 512,415 | A | 75,397 | M | – | U | 145,802 | M | – | U | – | U | – | U |
| Not stated | 609,987 | A | – | U | 131,483 | M | 193,643 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 10.6 – Clothes dryer (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a clothes dryer | | | | | | |
| Yes | 2,161,048 A | 3,929,754 A | 1,972,673 A | 2,943,057 A | 742,155 A | |
| No | 974,235 A | 460,858 A | – U | – U | – U | |
| Not stated | – U | – U | – U | – U | – U | |
| Size of the clothes dryer | | | | | | |
| Compact (less than 125 L/28 gal. capacity) | 125,814 M | 210,188 M | – U | – U | – U | |
| Standard (greater than or equal to 125 L/28 gal. capacity) | 1,806,240 A | 3,568,553 A | 1,764,939 A | 2,727,299 A | 532,029 A | |
| Don't know | 101,763 M | 49,752 M | – U | – U | – U | |
| Not stated | 208,252 M | 131,292 M | – U | – U | – U | |
| Age of the clothes dryer | | | | | | |
| 5 years or less | 710,552 A | 1,345,685 A | 812,935 A | 1,391,842 A | 233,781 M | |
| 6 to 10 years | 493,961 A | 1,087,591 A | 610,887 A | 857,609 A | 177,144 M | |
| 11 to 15 years | 392,446 A | 757,447 A | 257,641 A | 373,453 A | 147,391 M | |
| 16 to 20 years | 224,384 M | 277,761 A | 118,552 M | 137,613 M | – U | |
| 21 to 25 years | 97,536 M | 141,705 M | – U | – U | – U | |
| 26 years or more | 66,161 M | 94,574 M | – U | – U | – U | |
| Don't know | 126,704 M | 173,166 M | – U | – U | – U | |
| Not stated | – U | 81,857 M | – U | – U | – U | |
| Energy source of the clothes dryer | | | | | | |
| Electricity | 1,887,545 A | 3,422,067 A | 1,691,573 A | 2,494,105 A | 601,091 A | |
| Natural gas | 49,285 M | 168,090 A | 92,326 M | 202,886 M | – U | |
| Electricity and natural gas | – U | – U | – U | – U | – U | |
| Propane | – U | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 289,458 M | 288,788 A | 126,701 M | 165,151 M | – U | |
| Households with a moisture detector in the clothes dryer | | | | | | |
| Yes | 519,108 A | 1,490,468 A | 923,147 A | 1,569,068 A | 189,635 M | |
| No | 849,797 A | 1,459,064 A | 588,328 A | 810,661 A | 424,691 M | |
| Don't know | 663,373 A | 880,322 A | 393,312 A | 532,054 A | 116,729 M | |
| Not stated | 209,791 M | 129,931 M | – U | – U | – U | |
| Loads of clothes dried in an average winter week | | | | | | |
| One or less | 657,204 A | 453,383 A | 125,426 M | 111,338 M | – U | |
| Two to three | 1,013,263 A | 1,857,488 A | 612,990 A | 549,498 A | 344,439 M | |
| Four to seven | 257,664 A | 1,287,336 A | 865,841 A | 1,368,022 A | 170,963 M | |
| More than seven | – U | 115,415 A | 209,275 M | 757,103 A | – U | |
| Don't know | 74,590 M | 92,500 M | 67,865 M | 112,475 M | – U | |
| Not stated | 209,666 M | 153,663 M | – U | – U | – U | |
| Loads of clothes dried in an average summer week | | | | | | |
| One or less | 819,914 A | 1,194,983 A | 417,644 A | 505,472 A | 250,797 M | |
| Two to three | 849,879 A | 1,469,130 A | 593,707 A | 803,632 A | 290,558 M | |
| Four to seven | 200,678 A | 910,859 A | 670,183 A | 992,938 A | – U | |
| More than seven | – U | 91,065 M | 114,695 M | 457,332 A | – U | |
| Don't know | 109,888 M | 127,239 M | 69,252 M | 136,474 M | – U | |
| Not stated | 248,743 M | 166,509 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 11



Home electronics

Table 11.1 – Television (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a television | | | | | | | | | | | | | | |
| Yes | 13,286,588 | A | 958,792 | A | 3,354,229 | A | 4,967,696 | A | 858,854 | A | 1,383,606 | A | 1,763,411 | A |
| No | 229,952 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 82,581 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Number of televisions | | | | | | | | | | | | | | |
| One | 4,870,627 | A | 276,272 | A | 1,352,770 | A | 1,671,279 | A | 290,787 | A | 496,610 | A | 782,910 | A |
| Two | 4,425,876 | A | 368,106 | A | 1,182,675 | A | 1,643,342 | A | 298,234 | A | 412,818 | A | 520,702 | A |
| Three | 2,252,616 | A | 158,948 | A | 466,060 | A | 951,986 | A | 142,435 | A | 219,554 | A | 313,633 | M |
| Four or more | 1,332,612 | A | 119,807 | A | 247,893 | M | 597,921 | A | 77,833 | M | 187,133 | M | 102,024 | M |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 485,517 | A | 46,283 | M | 113,630 | M | 138,672 | M | - | U | - | U | - | U |
| Type of televisions | | | | | | | | | | | | | | |
| Regular (tube) | 4,395,559 | A | 372,741 | A | 1,128,698 | A | 1,685,466 | A | 345,177 | A | 453,287 | A | 410,191 | A |
| Regular (tube) high definition (HD) | 1,644,918 | A | 127,329 | A | 423,063 | A | 634,761 | A | 79,655 | A | 222,856 | M | 157,256 | M |
| Projection | 475,144 | A | 38,280 | M | - | U | 215,333 | A | - | U | - | U | - | U |
| Direct light projection (DLP) | 263,414 | M | - | U | - | U | 141,242 | M | - | U | - | U | - | U |
| Liquid crystal display (LCD) | 5,050,363 | A | 303,140 | A | 1,179,643 | A | 1,825,673 | A | 354,731 | A | 559,822 | A | 827,354 | A |
| Plasma | 2,657,385 | A | 206,061 | A | 659,017 | A | 1,031,915 | A | 161,160 | A | 305,012 | A | 294,220 | M |
| Light emitting diodes (LED) | 1,468,973 | A | 71,948 | A | 245,985 | M | 616,184 | A | 83,494 | A | 165,453 | M | 285,910 | M |
| Age of the most frequently used television | | | | | | | | | | | | | | |
| 5 years or less | 8,730,469 | A | 620,877 | A | 2,054,702 | A | 3,158,663 | A | 585,250 | A | 992,216 | A | 1,318,760 | A |
| 6 to 10 years | 2,723,636 | A | 169,183 | A | 733,217 | A | 1,166,658 | A | 140,557 | A | 219,849 | A | 294,172 | M |
| 11 to 15 years | 676,701 | A | 56,585 | M | 176,829 | M | 290,258 | A | 44,511 | M | - | U | 50,794 | M |
| 16 years or more | 254,338 | A | - | U | 105,764 | M | 69,875 | M | - | U | - | U | - | U |
| Don't know | 166,835 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 817,190 | A | 87,771 | M | 219,501 | M | 283,332 | A | 87,582 | M | 87,768 | M | 51,237 | M |
| Households with an ENERGY STAR® qualified television (most frequently used television) | | | | | | | | | | | | | | |
| Yes | 6,395,608 | A | 460,612 | A | 1,567,857 | A | 2,372,200 | A | 440,011 | A | 691,938 | A | 862,989 | A |
| No | 2,108,903 | A | 133,001 | A | 610,331 | A | 771,256 | A | 110,964 | A | 153,182 | M | 330,170 | M |
| Don't know | 3,451,020 | A | 260,681 | A | 677,828 | A | 1,428,903 | A | 210,275 | A | 400,709 | A | 472,624 | M |
| Not stated | 1,413,637 | A | 115,517 | A | 508,539 | A | 430,841 | A | 112,675 | M | 146,011 | M | 100,054 | M |
| Use of the most frequently used television in an average week | | | | | | | | | | | | | | |
| 4 hours or less | 1,625,261 | A | 94,617 | A | 388,126 | A | 721,230 | A | 63,608 | M | 129,973 | M | 227,705 | M |
| 5 to 10 hours | 3,117,973 | A | 204,700 | A | 732,397 | A | 1,197,906 | A | 207,945 | A | 348,682 | A | 426,343 | M |
| 11 to 20 hours | 2,367,479 | A | 163,689 | A | 622,635 | A | 763,424 | A | 148,283 | A | 300,481 | A | 368,967 | M |
| 21 to 30 hours | 2,118,244 | A | 144,833 | A | 528,928 | A | 773,298 | A | 120,483 | A | 203,670 | M | 347,032 | M |
| 31 to 40 hours | 1,604,306 | A | 124,544 | A | 390,549 | A | 605,737 | A | 124,224 | A | 146,525 | M | 212,727 | M |
| 41 to 55 hours | 775,139 | A | 79,739 | A | 266,499 | A | 250,794 | A | 71,566 | M | - | U | 48,336 | M |
| 56 hours or more | 801,494 | A | 79,107 | A | 206,385 | M | 325,783 | A | 44,861 | M | 91,482 | M | 53,876 | M |
| Don't know | 350,484 | A | - | U | - | U | 157,286 | M | - | U | - | U | - | U |
| Not stated | 608,790 | A | 50,413 | M | 144,299 | M | 207,741 | A | - | U | 93,450 | M | 43,938 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.1 – Television (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a television | | | | | | |
| Yes | 3,099,602 A | 4,330,441 A | 2,066,984 A | 3,037,007 A | 752,554 A | |
| No | – U | – U | – U | – U | – U | |
| Not stated | – U | – U | – U | – U | – U | |
| Number of televisions | | | | | | |
| One | 1,951,481 A | 1,625,859 A | 483,846 A | 456,379 A | 353,063 M | |
| Two | 726,829 A | 1,703,281 A | 714,095 A | 1,078,454 A | 203,217 M | |
| Three | 165,405 A | 709,094 A | 517,898 A | 786,130 A | – U | |
| Four or more | 74,114 M | 191,222 A | 312,667 A | 662,687 A | – U | |
| Don't know | – | – | – | – | – | |
| Not stated | 216,529 M | 124,910 M | – U | – U | – U | |
| Type of televisions | | | | | | |
| Regular (tube) | 1,184,903 A | 1,293,192 A | 717,901 A | 959,610 A | 239,953 M | |
| Regular (tube) high definition (HD) | 393,039 A | 532,193 A | 261,823 M | 384,341 A | – U | |
| Projection | – U | 118,496 A | 82,448 M | 162,419 M | – U | |
| Direct light projection (DLP) | – U | 63,382 M | – U | 106,171 M | – U | |
| Liquid crystal display (LCD) | 804,442 A | 1,695,381 A | 897,967 A | 1,473,373 A | 179,200 M | |
| Plasma | 439,756 A | 836,217 A | 501,718 A | 756,896 A | – U | |
| Light emitting diodes (LED) | 165,001 M | 475,125 A | 245,218 A | 441,648 M | – U | |
| Age of the most frequently used television | | | | | | |
| 5 years or less | 1,712,170 A | 3,011,303 A | 1,359,814 A | 2,130,360 A | 516,822 M | |
| 6 to 10 years | 804,022 A | 737,092 A | 441,245 A | 604,107 A | – U | |
| 11 to 15 years | 153,520 A | 245,710 A | 126,811 M | 119,481 M | – U | |
| 16 years or more | 136,982 M | 70,716 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 253,211 M | 237,179 A | 113,956 M | 158,675 M | – U | |
| Households with an ENERGY STAR® qualified television (most frequently used television) | | | | | | |
| Yes | 1,007,278 A | 2,200,309 A | 1,138,327 A | 1,691,058 A | 358,636 M | |
| No | 656,377 A | 770,817 A | 262,083 A | 322,012 A | – U | |
| Don't know | 947,077 A | 915,868 A | 527,009 A | 812,133 A | 248,934 M | |
| Not stated | 523,627 A | 467,373 A | 142,792 M | 222,813 M | – U | |
| Use of the most frequently used television in an average week | | | | | | |
| 4 hours or less | 434,332 A | 512,571 A | 180,947 M | 250,377 M | – U | |
| 5 to 10 hours | 779,633 A | 1,012,456 A | 458,884 A | 704,523 A | 162,478 M | |
| 11 to 20 hours | 448,256 A | 797,360 A | 394,529 A | 599,693 A | – U | |
| 21 to 30 hours | 486,057 A | 686,424 A | 328,712 A | 558,656 A | – U | |
| 31 to 40 hours | 366,933 A | 534,157 A | 267,466 A | 366,486 A | – U | |
| 41 to 55 hours | 133,410 M | 281,794 A | 162,606 M | 166,538 A | – U | |
| 56 hours or more | 145,688 M | 248,542 A | 156,526 M | 239,768 A | – U | |
| Don't know | – U | 104,541 M | – U | 90,315 M | – U | |
| Not stated | 256,825 M | 176,521 A | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.2 – Television receiver box (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with an analog/digital television receiver box | | | | | | | | | | | | | | |
| Yes | 9,350,833 | A | 622,575 | A | 2,407,242 | A | 3,358,694 | A | 596,878 | A | 1,029,615 | A | 1,335,829 | A |
| No | 3,246,350 | A | 253,568 | A | 803,323 | A | 1,331,612 | A | 217,136 | A | 307,282 | A | 333,428 | M |
| Not stated | 771,987 | A | 93,667 | A | 153,990 | M | 312,894 | A | 59,911 | M | 54,944 | M | – | U |
| Number of analog/digital television receiver boxes | | | | | | | | | | | | | | |
| One | 4,942,155 | A | 316,869 | A | 1,305,931 | A | 1,714,431 | A | 307,748 | A | 508,924 | A | 788,251 | A |
| Two | 2,507,829 | A | 172,331 | A | 629,131 | A | 994,149 | A | 183,545 | A | 242,479 | A | 286,195 | M |
| Three | 781,227 | A | 60,089 | M | 152,761 | M | 329,681 | A | 68,637 | M | 84,435 | M | 85,624 | M |
| Four or more | 312,103 | A | – | U | – | U | 114,068 | M | – | U | – | U | – | U |
| Don't know | 119,411 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,460,094 | A | 143,030 | A | 353,926 | A | 483,143 | A | 74,491 | M | 193,960 | M | 211,544 | M |
| Type of television receiver box | | | | | | | | | | | | | | |
| Regular (analog) cable or satellite | 1,630,936 | A | 178,129 | A | 320,732 | A | 671,991 | A | 91,653 | A | 172,683 | M | 195,747 | M |
| Digital cable or satellite | 4,932,922 | A | 355,468 | A | 1,239,265 | A | 1,858,143 | A | 309,412 | A | 499,081 | A | 671,553 | A |
| Personal video recorder (PVR) | 954,113 | A | 65,630 | M | 194,888 | M | 365,910 | A | 47,407 | M | 132,794 | M | 147,483 | M |
| High definition (HD) | 2,607,298 | A | 159,575 | A | 889,488 | A | 922,158 | A | 134,313 | A | 170,677 | M | 331,088 | M |
| HD and PVR | 2,239,524 | A | 113,341 | A | 371,080 | A | 748,545 | A | 181,776 | A | 420,992 | A | 403,790 | A |
| Age of the most frequently used analog/digital television receiver box | | | | | | | | | | | | | | |
| 5 years or less | 6,977,439 | A | 448,182 | A | 1,844,437 | A | 2,471,740 | A | 482,935 | A | 751,882 | A | 978,263 | A |
| 6 to 10 years | 1,060,426 | A | 53,505 | M | 229,258 | M | 420,166 | A | 52,103 | M | 116,052 | M | – | U |
| 11 years or more | 165,609 | A | – | U | – | U | 68,468 | M | – | U | – | U | – | U |
| Don't know | 209,631 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,709,715 | A | 176,880 | A | 417,462 | A | 618,184 | A | 95,417 | A | 184,106 | M | 217,666 | M |
| Use of the most frequently used analog/digital television receiver box in an average week | | | | | | | | | | | | | | |
| 4 hours or less | 996,749 | A | 64,191 | M | 248,723 | M | 387,602 | A | 43,313 | M | 125,598 | M | – | U |
| 5 to 10 hours | 1,874,780 | A | 95,227 | A | 427,744 | A | 737,001 | A | 127,507 | A | 181,553 | A | 305,749 | M |
| 11 to 20 hours | 1,525,754 | A | 99,501 | M | 399,142 | A | 494,514 | A | 107,364 | M | 198,495 | M | 226,738 | M |
| 21 to 30 hours | 1,314,353 | A | 88,057 | A | 345,811 | A | 449,175 | A | 63,030 | M | 155,774 | M | 212,506 | M |
| 31 to 40 hours | 1,084,078 | A | 76,603 | A | 270,586 | A | 373,165 | A | 90,615 | M | 99,325 | M | 173,784 | M |
| 41 to 55 hours | 527,161 | A | 40,862 | M | 184,456 | M | 174,762 | M | 53,985 | M | – | U | – | U |
| 56 hours or more | 695,179 | A | 56,994 | A | 178,077 | M | 286,839 | A | 45,440 | M | 74,572 | M | 53,257 | M |
| Don't know | 381,468 | A | – | U | – | U | 164,053 | M | – | U | – | U | – | U |
| Not stated | 1,723,297 | A | 163,927 | A | 428,798 | A | 604,477 | A | 97,792 | A | 193,471 | M | 234,831 | M |
| When the household turns off the television, do they turn off the analog/digital television receiver box? | | | | | | | | | | | | | | |
| Always | 5,342,023 | A | 404,646 | A | 1,440,403 | A | 1,856,804 | A | 251,814 | A | 535,388 | A | 852,967 | A |
| Sometimes | 1,962,279 | A | 101,705 | A | 427,707 | A | 784,196 | A | 137,480 | A | 260,953 | A | 250,237 | M |
| Never | 2,190,232 | A | 153,149 | A | 587,938 | A | 781,797 | A | 207,622 | A | 228,925 | A | 230,801 | M |
| Don't know | 334,191 | A | 26,377 | M | – | U | 130,824 | M | – | U | – | U | – | U |
| Not stated | 294,095 | A | 30,365 | M | – | U | 117,967 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.2 – Television receiver box (2/2)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with an analog/digital television receiver box | | | | | | |
| Yes | 1,831,560 A | 3,013,085 A | 1,531,965 A | 2,383,503 A | 590,720 A | |
| No | 1,045,923 A | 1,085,697 A | 438,962 A | 569,099 A | 106,669 M | |
| Not stated | 256,875 M | 255,586 A | 99,284 M | 95,415 M | – U | |
| Number of analog/digital television receiver boxes | | | | | | |
| One | 1,386,943 A | 1,642,060 A | 691,242 A | 884,555 A | 337,355 M | |
| Two | 300,807 M | 777,567 A | 463,628 A | 807,960 A | – U | |
| Three | – U | 227,704 A | 199,323 M | 310,719 A | – U | |
| Four or more | – U | 36,223 M | 76,539 M | 156,580 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 351,806 A | 549,689 A | 165,582 M | 293,576 M | – U | |
| Type of television receiver box | | | | | | |
| Regular (analog) cable or satellite | 426,107 A | 532,988 A | 256,396 A | 302,613 A | – U | |
| Digital cable or satellite | 934,559 A | 1,577,733 A | 800,712 A | 1,360,015 A | 259,902 M | |
| Personal video recorder (PVR) | 124,543 M | 317,145 A | 149,780 M | 281,196 A | – U | |
| High definition (HD) | 389,028 A | 907,808 A | 459,312 A | 673,306 A | – U | |
| HD and PVR | 285,518 A | 664,467 A | 491,334 A | 665,993 A | – U | |
| Age of the most frequently used analog/digital television receiver box | | | | | | |
| 5 years or less | 1,413,078 A | 2,172,009 A | 1,170,598 A | 1,812,211 A | 409,543 M | |
| 6 to 10 years | 209,573 M | 329,716 A | 179,162 M | 264,521 M | – U | |
| 11 years or more | – U | 43,565 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 414,270 A | 653,266 A | 191,345 M | 334,729 M | 116,106 M | |
| Use of the most frequently used analog/digital television receiver box in an average week | | | | | | |
| 4 hours or less | 251,862 M | 324,102 A | 114,017 M | 127,037 M | – U | |
| 5 to 10 hours | 375,016 M | 600,776 A | 254,821 A | 524,711 A | – U | |
| 11 to 20 hours | 234,566 A | 537,142 A | 275,218 A | 386,387 A | – U | |
| 21 to 30 hours | 269,424 M | 346,628 A | 249,191 M | 405,780 A | – U | |
| 31 to 40 hours | 226,873 M | 337,344 A | 205,931 A | 251,302 A | – U | |
| 41 to 55 hours | 99,479 M | 173,050 M | 106,113 M | 126,898 M | – U | |
| 56 hours or more | 130,957 M | 208,795 A | 143,009 A | 206,898 M | – U | |
| Don't know | 60,845 M | 105,657 M | 81,260 M | – U | – U | |
| Not stated | 439,414 A | 635,177 A | 201,688 M | 329,026 M | 117,992 M | |
| When the household turns off the television, do they turn off the analog/digital television receiver box? | | | | | | |
| Always | 980,019 A | 1,815,623 A | 831,838 A | 1,335,322 A | 379,220 M | |
| Sometimes | 398,610 A | 489,774 A | 364,516 A | 561,207 A | – U | |
| Never | 496,473 A | 742,665 A | 359,732 A | 508,824 A | – U | |
| Don't know | 126,631 M | 117,167 M | – U | – U | – U | |
| Not stated | 86,702 M | 103,440 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.3 – Home theatre system (1/2)

| | Number of households by region | | | | | | | |
|---|--------------------------------|-----------|-------------|-------------|---------------------------|-----------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Households with a home theatre system | | | | | | | | |
| Yes | 3,471,460 A | 217,855 A | 881,077 A | 1,259,679 A | 219,500 A | 407,169 A | 486,181 A | |
| No | 8,360,713 A | 580,232 A | 2,120,856 A | 3,136,074 A | 528,922 A | 849,095 A | 1,145,535 A | |
| Not stated | 1,766,947 A | 181,818 A | 384,283 A | 667,726 A | 140,850 A | 192,489 M | 199,781 M | |
| Number of home theatre systems | | | | | | | | |
| One | 3,191,191 A | 203,395 A | 802,504 A | 1,141,310 A | 205,700 A | 374,359 A | 463,923 A | |
| Two or more | 280,270 A | – U | – U | 118,368 M | – U | – U | – U | |
| Don't know | 92,878 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 1,674,069 A | 176,248 A | 363,397 A | 611,231 A | 139,282 A | 190,647 M | 193,264 M | |
| Age of the most frequently used home theatre system | | | | | | | | |
| 5 years or less | 2,049,045 A | 123,883 A | 502,370 A | 746,564 A | 128,977 A | 257,908 A | 289,343 M | |
| 6 to 10 years | 1,130,376 A | 68,672 A | 286,189 M | 443,960 A | 56,921 M | 104,926 M | – U | |
| 11 years or more | 238,624 A | – U | – U | 64,831 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | – U | – U | |
| Not stated | 1,742,829 A | 187,777 A | 404,798 A | 630,742 A | 146,305 A | 180,338 M | 192,869 M | |
| Households with an ENERGY STAR® qualified home theatre system (most frequently used home theatre system) | | | | | | | | |
| Yes | 1,306,092 A | 94,975 A | 344,878 A | 506,511 A | 76,436 A | 149,249 M | 134,042 M | |
| No | 797,617 A | 41,396 M | 257,266 M | 271,128 A | 62,635 M | 53,714 M | 111,478 M | |
| Don't know | 1,442,934 A | 80,282 A | 309,461 A | 520,777 A | 73,194 M | 191,606 M | 267,614 M | |
| Not stated | 1,691,765 A | 183,021 A | 353,754 A | 628,989 A | 148,085 A | 205,089 M | 172,828 M | |
| Use of the most frequently used home theatre system in an average week | | | | | | | | |
| 4 hours or less | 1,648,948 A | 104,653 A | 456,844 A | 537,400 A | 103,402 A | 236,772 M | 209,878 M | |
| 5 to 10 hours | 577,370 A | 51,093 M | 162,494 A | 202,153 M | 43,809 M | – U | – U | |
| 11 to 20 hours | 345,610 A | – U | – U | 137,619 A | – U | – U | – U | |
| 21 to 30 hours | 326,065 A | – U | – U | 130,685 M | – U | – U | – U | |
| 31 to 40 hours | 258,030 A | – U | – U | 113,861 M | – U | – U | – U | |
| 41 to 55 hours | 59,791 M | – U | – U | – U | – U | – U | – U | |
| 56 hours or more | 55,909 M | – U | – U | – U | – U | – U | – U | |
| Don't know | 115,112 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 1,851,574 A | 196,399 A | 402,228 A | 687,545 A | 144,765 A | 191,854 M | 228,783 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.3 – Home theatre system (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a home theatre system | | | | | | |
| Yes | 478,383 A | 984,751 A | 730,516 A | 1,128,237 A | 149,573 M | |
| No | 2,138,792 A | 2,754,118 A | 1,141,895 A | 1,768,281 A | 557,627 M | |
| Not stated | 599,129 A | 681,774 A | 199,756 M | 167,770 A | 118,518 M | |
| Number of home theatre systems | | | | | | |
| One | 454,419 A | 934,654 A | 647,028 A | 1,018,251 A | 136,838 M | |
| Two or more | – U | 50,097 M | 83,489 M | 109,986 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 593,738 A | 636,042 A | 183,176 M | 144,966 A | 116,147 M | |
| Age of the most frequently used home theatre system | | | | | | |
| 5 years or less | 227,628 M | 602,415 A | 449,772 A | 686,438 A | – U | |
| 6 to 10 years | 220,432 M | 299,048 A | 217,122 M | 338,170 M | – U | |
| 11 years or more | – U | 80,217 M | – U | 96,083 M | – – | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 599,650 A | 647,722 A | 214,056 M | 166,818 A | 114,583 M | |
| Households with an ENERGY STAR® qualified home theatre system (most frequently used home theatre system) | | | | | | |
| Yes | 148,363 M | 393,121 A | 322,299 A | 363,700 A | – U | |
| No | 93,748 M | 252,367 A | 108,798 M | 298,762 A | – U | |
| Don't know | 284,689 M | 372,425 A | 322,465 A | 422,646 M | – U | |
| Not stated | 550,712 A | 648,612 A | 176,711 M | 210,899 A | 104,830 M | |
| Use of the most frequently used home theatre system in an average week | | | | | | |
| 4 hours or less | 240,756 M | 396,734 A | 301,811 A | 613,105 A | – U | |
| 5 to 10 hours | – U | 174,905 M | 115,367 M | 210,570 A | – U | |
| 11 to 20 hours | – U | 163,066 M | 90,367 M | 66,920 M | – U | |
| 21 to 30 hours | – U | 92,051 M | – U | 83,432 M | – – | |
| 31 to 40 hours | – U | 80,042 M | – U | – U | – – | |
| 41 to 55 hours | – U | – U | – U | – U | – – | |
| 56 hours or more | – U | – U | – U | – U | – – | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 655,810 A | 666,201 A | 215,960 M | 181,765 M | 131,838 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.4 – Video game console (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a video game console | | | | | | | | | | | | | | |
| Yes | 5,106,967 | A | 359,369 | A | 1,215,370 | A | 2,066,731 | A | 333,512 | A | 534,966 | A | 597,020 | A |
| No | 6,798,075 | A | 449,030 | A | 1,745,796 | A | 2,409,282 | A | 447,480 | A | 747,324 | A | 999,162 | A |
| Not stated | 1,694,078 | A | 171,506 | A | 425,049 | A | 587,466 | A | 108,280 | M | 166,463 | M | 235,315 | M |
| Number of video game consoles | | | | | | | | | | | | | | |
| One | 3,694,867 | A | 255,698 | A | 963,793 | A | 1,405,248 | A | 237,576 | A | 361,063 | A | 471,489 | A |
| Two | 1,115,787 | A | 83,765 | A | 204,720 | M | 555,078 | A | 81,232 | M | 92,783 | M | - | U |
| Three or more | 296,313 | A | - | U | - | U | 106,404 | M | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 1,646,429 | A | 168,704 | A | 411,863 | A | 569,482 | A | 107,191 | M | 157,139 | M | 232,050 | M |
| Age of the most frequently used video game console | | | | | | | | | | | | | | |
| 5 years or less | 4,293,368 | A | 315,580 | A | 995,485 | A | 1,690,152 | A | 291,591 | A | 467,738 | A | 532,822 | M |
| 6 to 10 years | 539,030 | A | - | U | 161,038 | M | 255,499 | M | - | U | - | U | - | U |
| 11 years or more | 113,784 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 1,809,972 | A | 185,492 | A | 439,760 | A | 664,952 | A | 117,708 | A | 165,516 | M | 236,544 | M |
| Use of the most frequently used video game console in an average week | | | | | | | | | | | | | | |
| 4 hours or less | 3,086,962 | A | 200,475 | A | 772,864 | A | 1,250,916 | A | 195,020 | A | 289,023 | A | 378,663 | M |
| 5 to 10 hours | 944,159 | A | 76,365 | A | 221,627 | M | 358,897 | A | 50,639 | M | 137,691 | M | 98,940 | M |
| 11 to 20 hours | 517,759 | A | 24,244 | M | 114,061 | M | 192,891 | A | - | U | - | U | - | U |
| 21 hours or more | 331,876 | A | 25,948 | M | - | U | 178,361 | M | - | U | - | U | - | U |
| Don't know | 136,784 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Not stated | 1,783,505 | A | 187,126 | A | 434,655 | A | 610,726 | A | 125,382 | A | 189,116 | M | 236,500 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.4 – Video game console (2/2)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a video game console | | | | | | |
| Yes | 357,609 A | 1,153,415 A | 1,118,481 A | 2,243,577 A | 233,885 M | |
| No | 2,203,665 A | 2,607,902 A | 786,636 A | 730,367 A | 469,506 M | |
| Not stated | 655,029 A | 659,327 A | 167,049 M | 90,344 M | 122,329 M | |
| Number of video game consoles | | | | | | |
| One | 298,770 M | 925,760 A | 826,515 A | 1,430,349 A | 213,473 M | |
| Two | – U | 208,490 M | 224,719 A | 629,916 A | – U | |
| Three or more | – U | – U | 67,247 M | 183,313 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 652,621 A | 641,094 A | 155,509 M | 75,147 M | 122,057 M | |
| Age of the most frequently used video game console | | | | | | |
| 5 years or less | 292,010 M | 936,525 A | 906,316 A | 1,963,595 A | 194,921 M | |
| 6 to 10 years | – U | 118,438 M | 123,963 M | 220,224 M | – U | |
| 11 years or more | – U | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 654,617 A | 717,197 A | 199,578 M | 120,499 M | 118,080 M | |
| Use of the most frequently used video game console in an average week | | | | | | |
| 4 hours or less | 265,649 M | 787,577 A | 640,585 A | 1,268,222 A | – U | |
| 5 to 10 hours | – U | 134,375 M | 195,557 M | 515,031 A | – U | |
| 11 to 20 hours | – U | 102,320 M | 112,527 M | 250,809 A | – U | |
| 21 hours or more | – U | – U | 108,411 M | 155,362 M | – – | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 654,796 A | 718,074 A | 177,377 M | 90,264 M | 142,994 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.5 – DVD player (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a Blu-ray/DVD player (stand-alone) | | | | | | | | | | | | | | |
| Yes | 8,908,804 | A | 607,442 | A | 2,137,029 | A | 3,453,128 | A | 597,902 | A | 960,540 | A | 1,152,763 | A |
| No | 3,598,534 | A | 247,155 | A | 977,142 | A | 1,256,793 | A | 221,809 | A | 378,389 | A | 517,246 | A |
| Not stated | 1,091,783 | A | 125,308 | A | 272,044 | A | 353,558 | A | 69,561 | M | 109,824 | M | 161,488 | M |
| Number of Blu-ray/DVD players (stand-alone) | | | | | | | | | | | | | | |
| One | 6,656,487 | A | 449,503 | A | 1,645,316 | A | 2,578,446 | A | 432,013 | A | 671,713 | A | 879,496 | A |
| Two | 1,840,950 | A | 137,144 | A | 384,632 | A | 663,465 | A | 151,963 | A | 248,647 | A | 255,099 | M |
| Three or more | 411,367 | A | – | U | 107,081 | M | 211,217 | M | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,058,123 | A | 124,184 | A | 264,223 | A | 338,703 | A | 68,991 | M | 104,355 | M | 157,666 | M |
| Age of the most frequently used Blu-ray/DVD player (stand-alone) | | | | | | | | | | | | | | |
| 5 years or less | 6,352,341 | A | 447,117 | A | 1,513,580 | A | 2,482,416 | A | 413,791 | A | 682,801 | A | 812,635 | A |
| 6 to 10 years | 2,066,771 | A | 130,843 | A | 483,182 | A | 809,369 | A | 133,330 | A | 217,463 | M | 292,583 | M |
| 11 years or more | 191,037 | A | – | U | – | U | 60,235 | M | – | U | – | U | – | U |
| Don't know | 60,757 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,329,682 | A | 134,932 | A | 345,059 | A | 438,968 | A | 102,257 | M | 138,405 | M | 170,060 | M |
| Households with an ENERGY STAR® qualified Blu-ray/DVD player (most frequently used Blu-ray/DVD player) | | | | | | | | | | | | | | |
| Yes | 3,620,444 | A | 236,548 | A | 899,128 | A | 1,366,525 | A | 221,262 | A | 395,198 | A | 501,783 | A |
| No | 1,722,190 | A | 101,891 | A | 490,662 | A | 644,011 | A | 127,751 | A | 118,648 | M | 239,227 | M |
| Don't know | 2,758,432 | A | 188,356 | A | 559,065 | A | 1,173,064 | A | 198,376 | A | 333,283 | A | 306,289 | M |
| Not stated | 1,899,521 | A | 205,954 | A | 460,218 | A | 623,087 | A | 120,074 | A | 223,235 | A | 266,952 | M |
| Use of the most frequently used Blu-ray/DVD player in an average week | | | | | | | | | | | | | | |
| 4 hours or less | 6,709,526 | A | 463,296 | A | 1,592,797 | A | 2,559,168 | A | 454,345 | A | 739,356 | A | 900,565 | A |
| 5 to 10 hours | 924,889 | A | 63,981 | M | 261,523 | M | 377,200 | A | 59,965 | M | 91,623 | M | – | U |
| 11 to 20 hours | 307,445 | A | – | U | – | U | 134,155 | M | – | U | – | U | – | U |
| 21 hours or more | 139,737 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 187,082 | M | – | U | – | U | 93,239 | M | – | U | – | U | – | U |
| Not stated | 1,731,909 | A | 170,540 | A | 411,911 | A | 583,921 | A | 112,028 | A | 170,665 | M | 282,844 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.5 – DVD player (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a Blu-ray/DVD player (stand-alone) | | | | | | |
| Yes | 1,635,032 A | 2,716,775 A | 1,640,666 A | 2,427,463 A | 488,867 M | |
| No | 1,102,222 A | 1,311,519 A | 369,498 A | 563,608 A | 251,688 M | |
| Not stated | 479,049 A | 392,350 A | 62,003 M | 73,217 M | – U | |
| Number of Blu-ray/DVD players (stand-alone) | | | | | | |
| One | 1,487,006 A | 2,195,392 A | 1,132,808 A | 1,436,325 A | 404,955 M | |
| Two | 136,593 M | 437,796 A | 413,284 A | 777,810 A | – U | |
| Three or more | – U | 83,587 M | 94,574 M | 213,328 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 474,687 A | 382,013 A | 57,812 M | 58,822 M | – U | |
| Age of the most frequently used Blu-ray/DVD player (stand-alone) | | | | | | |
| 5 years or less | 1,026,097 A | 1,850,714 A | 1,248,207 A | 1,826,129 A | 401,195 M | |
| 6 to 10 years | 475,825 A | 737,318 A | 311,420 A | 494,544 A | – U | |
| 11 years or more | – U | 64,434 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 535,314 A | 439,917 A | 112,210 M | 138,983 M | 103,258 M | |
| Households with an ENERGY STAR® qualified Blu-ray/DVD player (most frequently used Blu-ray/DVD player) | | | | | | |
| Yes | 468,880 A | 1,073,744 A | 770,863 A | 1,036,541 A | 270,416 M | |
| No | 398,591 A | 642,303 A | 244,307 A | 386,659 A | – U | |
| Don't know | 550,970 A | 751,981 A | 538,028 A | 783,937 A | – U | |
| Not stated | 695,640 A | 641,097 A | 149,473 M | 293,543 M | 119,767 M | |
| Use of the most frequently used Blu-ray/DVD player in an average week | | | | | | |
| 4 hours or less | 1,215,105 A | 2,093,524 A | 1,144,995 A | 1,832,227 A | 423,675 M | |
| 5 to 10 hours | 90,821 M | 238,139 M | 264,495 M | 308,941 A | – U | |
| 11 to 20 hours | – U | 101,208 M | 75,930 M | 84,510 M | – – | |
| 21 hours or more | – U | – U | – U | – U | – U | |
| Don't know | – U | 49,223 M | – U | – U | – U | |
| Not stated | 688,998 A | 600,558 A | 140,108 M | 182,100 M | 120,144 M | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.6 – Video cassette recorder (VCR) (1/2)

| | Number of households by region | | | | | | | |
|---|--------------------------------|-----------|-------------|-------------|---------------------------|-----------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Households with a VCR | | | | | | | | |
| Yes | 5,083,007 A | 394,561 A | 1,321,900 A | 2,030,316 A | 355,693 A | 543,886 A | 436,650 A | |
| No | 7,047,752 A | 454,963 A | 1,692,850 A | 2,569,031 A | 429,532 A | 801,060 A | 1,100,315 A | |
| Not stated | 1,468,363 A | 130,381 A | 371,465 A | 464,131 A | 104,046 M | 103,807 M | 294,531 M | |
| Number of VCRs | | | | | | | | |
| One | 4,579,589 A | 359,876 A | 1,214,916 A | 1,809,591 A | 325,840 A | 489,653 A | 379,714 A | |
| Two or more | 503,418 A | 34,685 M | 106,984 M | 220,725 A | 29,853 M | 54,234 M | 56,937 M | |
| Don't know | – U | – U | – U | – U | – | – U | – U | |
| Not stated | 1,413,484 A | 126,981 A | 358,192 A | 431,875 A | 104,046 M | 101,659 M | 290,730 M | |
| Age of the most frequently used VCR | | | | | | | | |
| 5 years or less | 1,293,516 A | 140,771 A | 238,495 A | 585,625 A | 74,579 M | 141,472 M | 112,573 M | |
| 6 to 10 years | 2,240,522 A | 157,452 A | 613,729 A | 874,641 A | 154,653 A | 241,903 A | 198,144 M | |
| 11 years or more | 1,339,802 A | 81,523 A | 408,124 A | 487,596 A | 119,488 A | 130,024 M | 113,047 M | |
| Don't know | 82,644 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 1,594,886 A | 140,508 A | 419,100 A | 512,734 A | 108,716 M | 120,180 M | 293,648 M | |
| Households with an ENERGY STAR® qualified VCR (most frequently used VCR) | | | | | | | | |
| Yes | 586,693 A | 60,901 M | 145,198 M | 249,538 M | 38,572 M | – U | – U | |
| No | 2,194,619 A | 140,662 A | 595,521 A | 917,036 A | 169,735 A | 199,603 A | 172,062 M | |
| Don't know | 1,732,825 A | 139,222 A | 389,839 A | 645,360 A | 100,044 M | 249,355 M | 209,005 M | |
| Not stated | 2,037,232 A | 184,157 A | 562,807 A | 682,514 A | 151,389 A | 157,794 A | 298,572 M | |
| Use of the most frequently used VCR in an average week | | | | | | | | |
| 4 hours or less | 3,955,856 A | 289,229 A | 968,217 A | 1,608,423 A | 278,601 A | 480,848 A | 330,538 A | |
| 5 to 10 hours | 203,309 A | – U | – U | 58,441 M | – U | – U | – U | |
| 11 hours or more | 77,706 M | – U | – U | – U | – U | – U | – U | |
| Don't know | 152,503 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 2,161,995 A | 201,046 A | 606,422 A | 710,264 A | 143,289 A | 147,148 M | 353,825 M | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.6 – Video cassette recorder (VCR) (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a VCR | | | | | | |
| Yes | 1,172,211 A | 1,774,601 A | 823,247 A | 1,075,988 A | 236,959 M | |
| No | 1,564,096 A | 2,194,168 A | 1,068,199 A | 1,730,982 A | 490,308 M | |
| Not stated | 479,997 A | 451,874 A | 180,722 M | 257,317 M | – U | |
| Number of VCRs | | | | | | |
| One | 1,125,749 A | 1,570,187 A | 709,340 A | 944,388 A | 229,925 M | |
| Two or more | 46,463 M | 204,415 A | 113,906 M | 131,600 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 473,713 A | 437,172 A | 173,827 M | 230,320 M | – U | |
| Age of the most frequently used VCR | | | | | | |
| 5 years or less | 296,657 A | 396,045 A | 296,959 M | 232,744 A | – U | |
| 6 to 10 years | 561,558 A | 817,883 A | 290,269 A | 483,322 A | – U | |
| 11 years or more | 245,967 A | 475,911 A | 244,098 A | 325,513 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 535,561 A | 513,958 A | 171,475 M | 259,375 M | 114,517 M | |
| Households with an ENERGY STAR® qualified VCR (most frequently used VCR) | | | | | | |
| Yes | 117,240 M | 192,937 A | – U | 114,550 M | – U | |
| No | 495,751 A | 783,767 A | 345,486 A | 500,641 A | – U | |
| Don't know | 416,296 A | 527,354 A | 287,275 A | 397,948 A | – U | |
| Not stated | 622,921 A | 722,418 A | 226,143 A | 320,167 M | 145,583 M | |
| Use of the most frequently used VCR in an average week | | | | | | |
| 4 hours or less | 850,961 A | 1,349,858 A | 677,012 A | 908,247 A | 169,777 M | |
| 5 to 10 hours | 60,077 M | 62,572 M | – U | – U | – U | |
| 11 hours or more | – U | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 674,559 A | 719,796 A | 251,820 A | 355,336 A | 160,484 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.7 – Stereo, portable media devices and smart phones (1/4)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a component stereo | | | | | | | | | | | | | | |
| Yes | 6,387,215 | A | 365,213 | A | 1,946,475 | A | 2,376,664 | A | 333,247 | A | 638,875 | A | 726,741 | A |
| No | 5,743,802 | A | 450,584 | A | 1,170,131 | A | 2,177,182 | A | 449,109 | A | 655,859 | A | 840,938 | A |
| Not stated | 1,468,103 | A | 164,108 | A | 269,609 | M | 509,633 | A | 106,916 | M | 154,019 | M | 263,819 | M |
| Number of component stereos | | | | | | | | | | | | | | |
| One | 5,773,946 | A | 330,674 | A | 1,760,553 | A | 2,164,189 | A | 292,923 | A | 581,394 | A | 644,213 | A |
| Two or more | 613,270 | A | 34,539 | M | 185,922 | M | 212,475 | M | 40,324 | M | – | U | 82,528 | M |
| Don't know | 77,544 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,390,559 | A | 155,027 | A | 260,090 | M | 476,808 | A | 103,048 | M | 136,022 | M | 259,564 | M |
| Age of the most frequently used component stereo | | | | | | | | | | | | | | |
| 5 years or less | 2,037,385 | A | 107,992 | A | 509,838 | A | 757,257 | A | 86,332 | M | 243,549 | A | 332,417 | M |
| 6 to 10 years | 1,997,592 | A | 114,771 | A | 714,019 | A | 715,891 | A | 93,086 | M | 179,906 | M | 179,919 | M |
| 11 years or more | 1,911,882 | A | 112,766 | A | 611,455 | A | 719,674 | A | 133,271 | A | 175,725 | M | 158,991 | M |
| Don't know | 157,930 | M | – | U | – | U | 71,177 | M | – | U | – | U | – | U |
| Not stated | 1,750,529 | A | 185,527 | A | 361,008 | A | 622,298 | A | 117,393 | A | 154,887 | M | 309,417 | M |
| Households with an ENERGY STAR® qualified component stereo (most frequently used component stereo) | | | | | | | | | | | | | | |
| Yes | 955,432 | A | 54,639 | A | 236,592 | A | 335,475 | A | 37,581 | M | 100,687 | M | 190,459 | M |
| No | 2,633,712 | A | 147,045 | A | 967,546 | A | 896,264 | A | 145,885 | A | 211,883 | A | 265,090 | A |
| Don't know | 2,103,072 | A | 113,019 | A | 482,660 | A | 815,445 | A | 104,324 | A | 321,008 | A | 266,615 | M |
| Not stated | 2,163,102 | A | 214,619 | A | 529,287 | A | 839,112 | A | 152,372 | A | 159,316 | A | 268,396 | M |
| Use of the most frequently used component stereo in an average week | | | | | | | | | | | | | | |
| 4 hours or less | 3,888,176 | A | 229,458 | A | 1,148,045 | A | 1,450,887 | A | 211,784 | A | 433,728 | A | 414,274 | M |
| 5 to 10 hours | 940,609 | A | 41,556 | M | 277,441 | A | 381,071 | A | 33,270 | M | 45,105 | M | 162,166 | M |
| 11 hours or more | 891,609 | A | 48,027 | M | 320,075 | A | 280,323 | A | 40,116 | M | 115,148 | M | 87,919 | M |
| Don't know | 184,371 | M | – | U | – | U | 118,192 | M | – | U | – | U | – | U |
| Not stated | 1,950,554 | A | 197,382 | A | 454,206 | A | 655,823 | A | 143,315 | A | 185,149 | M | 314,680 | M |
| Households with portable media and smart phones | | | | | | | | | | | | | | |
| Yes | 7,890,470 | A | 463,676 | A | 1,652,245 | A | 3,127,977 | A | 474,554 | A | 1,005,314 | A | 1,166,705 | A |
| No | 4,102,457 | A | 349,462 | A | 1,309,715 | A | 1,426,580 | A | 321,545 | A | 301,355 | A | 393,799 | A |
| Not stated | 1,606,194 | A | 166,767 | A | 424,255 | A | 508,922 | A | 93,173 | A | 142,084 | M | 270,993 | M |
| Number of portable media and smart phones | | | | | | | | | | | | | | |
| One | 2,868,538 | A | 156,547 | A | 742,634 | A | 1,141,049 | A | 177,782 | A | 307,104 | A | 343,422 | M |
| Two | 2,332,971 | A | 148,680 | A | 456,291 | A | 861,169 | A | 93,695 | M | 288,427 | A | 484,709 | M |
| Three or more | 2,688,962 | A | 158,450 | A | 453,321 | A | 1,125,758 | A | 203,077 | A | 409,784 | A | 338,573 | A |
| Don't know | 91,229 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,514,965 | A | 163,844 | A | 398,119 | A | 479,809 | A | 89,154 | A | 120,676 | M | 263,363 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.7 – Stereo, portable media devices and smart phones (2/4)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a component stereo | | | | | | |
| Yes | 1,284,118 A | 1,980,118 A | 1,124,947 A | 1,648,963 A | 349,069 M | |
| No | 1,458,055 A | 1,954,244 A | 803,670 A | 1,214,911 A | 312,921 M | |
| Not stated | 474,130 A | 486,282 A | 143,550 M | 200,413 M | 163,729 M | |
| Number of component stereos | | | | | | |
| One | 1,203,056 A | 1,782,348 A | 1,001,447 A | 1,452,144 A | 334,950 M | |
| Two or more | 81,062 M | 197,769 A | 123,500 M | 196,819 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 467,283 A | 465,038 A | 122,653 M | 172,510 M | 163,075 M | |
| Age of the most frequently used component stereo | | | | | | |
| 5 years or less | 331,400 A | 580,671 A | 361,240 A | 607,216 A | – U | |
| 6 to 10 years | 388,207 A | 676,778 A | 317,346 A | 547,974 A | – U | |
| 11 years or more | 448,635 A | 623,793 A | 363,688 A | 412,607 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 553,606 A | 545,659 A | 208,462 A | 237,755 M | 205,048 M | |
| Households with an ENERGY STAR® qualified component stereo (most frequently used component stereo) | | | | | | |
| Yes | 135,136 M | 325,073 A | 172,996 M | 298,501 M | – U | |
| No | 642,562 A | 810,711 A | 435,429 A | 648,908 A | – U | |
| Don't know | 430,311 A | 586,399 A | 373,922 A | 539,292 A | – U | |
| Not stated | 550,239 A | 744,216 A | 286,150 M | 362,676 A | 219,822 M | |
| Use of the most frequently used component stereo in an average week | | | | | | |
| 4 hours or less | 685,999 A | 1,206,569 A | 631,847 A | 1,136,728 A | 227,034 M | |
| 5 to 10 hours | 171,979 M | 286,054 A | 244,876 M | 230,177 A | – U | |
| 11 hours or more | 247,838 A | 294,513 A | 166,356 M | 165,595 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 617,768 A | 637,690 A | 172,137 A | 270,711 M | 252,247 M | |
| Households with portable media and smart phones | | | | | | |
| Yes | 1,096,452 A | 2,185,177 A | 1,526,765 A | 2,592,150 A | 489,926 M | |
| No | 1,519,594 A | 1,664,918 A | 408,551 A | 329,974 A | 179,420 M | |
| Not stated | 600,258 A | 570,548 A | 136,851 M | – U | 156,373 M | |
| Number of portable media and smart phones | | | | | | |
| One | 761,903 A | 897,074 A | 544,119 A | 440,678 A | 224,763 M | |
| Two | 247,149 M | 651,497 A | 503,138 A | 798,595 A | – U | |
| Three or more | – U | 636,606 A | 479,507 A | 1,352,877 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 593,927 A | 534,579 A | 104,312 M | – U | 156,373 M | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.7 – Stereo, portable media devices and smart phones (3/4)

| Number of households by region | | | | | | | | | | | | | | |
|--|-----------|---|----------|---|-----------|---|-----------|---|---------------------------|---|---------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Age of the most frequently used portable media and smart phones | | | | | | | | | | | | | | |
| 5 years or less | 7,363,371 | A | 437,945 | A | 1,487,731 | A | 2,891,498 | A | 432,948 | A | 953,701 | A | 1,159,549 | A |
| 6 years or more | 362,784 | M | – | U | – | U | 162,909 | M | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,716,560 | A | 177,829 | A | 457,686 | A | 560,397 | A | 97,188 | A | 170,921 | M | 252,540 | M |
| Households with ENERGY STAR® qualified portable media and smart phones (most frequently used) | | | | | | | | | | | | | | |
| Yes | 2,222,756 | A | 158,185 | A | 464,567 | A | 861,190 | A | 139,035 | A | 228,714 | A | 371,065 | M |
| No | 942,696 | A | 55,878 | M | 340,317 | M | 302,617 | A | 38,916 | M | – | U | 141,327 | M |
| Don't know | 4,283,303 | A | 234,220 | A | 744,159 | A | 1,812,290 | A | 262,965 | A | 648,018 | A | 581,650 | A |
| Not stated | 2,047,910 | A | 182,160 | A | 527,456 | A | 660,802 | A | 126,811 | A | 207,026 | M | 343,655 | M |
| Use of the most frequently used portable media and smart phones in an average week | | | | | | | | | | | | | | |
| 4 hours or less | 2,523,525 | A | 187,521 | A | 666,211 | A | 991,614 | A | 149,635 | A | 278,852 | A | 249,694 | M |
| 5 to 10 hours | 1,622,887 | A | 82,851 | A | 392,705 | A | 581,226 | A | 81,991 | M | 180,204 | M | 303,910 | M |
| 11 to 20 hours | 862,628 | A | 52,291 | M | 213,686 | M | 288,020 | A | 60,952 | M | 126,808 | M | 120,870 | M |
| 21 to 30 hours | 459,278 | A | 39,702 | M | – | U | 197,154 | M | – | U | – | U | – | U |
| 31 to 40 hours | 367,310 | A | – | U | – | U | 173,141 | M | – | U | – | U | – | U |
| 41 hours or more | 1,445,987 | A | 51,778 | M | 170,284 | M | 557,330 | A | 76,542 | A | 229,404 | M | 360,649 | M |
| Don't know | 489,348 | A | 43,827 | M | – | U | 259,758 | M | – | U | – | U | – | U |
| Not stated | 1,725,701 | A | 159,491 | A | 443,903 | A | 588,656 | A | 96,713 | A | 181,223 | M | 255,716 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.7 – Stereo, portable media devices and smart phones (4/4)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Age of the most frequently used portable media and smart phones | | | | | | |
| 5 years or less | 1,019,606 A | 1,975,193 A | 1,473,216 A | 2,485,434 A | 409,922 M | |
| 6 years or more | – U | – U | – U | 77,599 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 585,136 A | 642,352 A | 114,482 M | 163,038 M | 211,552 M | |
| Households with ENERGY STAR® qualified portable media and smart phones (most frequently used) | | | | | | |
| Yes | 229,605 M | 598,773 A | 496,226 A | 791,007 A | – U | |
| No | 158,046 M | 355,136 M | 162,718 M | 249,063 A | – U | |
| Don't know | 693,297 A | 1,002,931 A | 850,547 A | 1,452,693 A | 283,835 M | |
| Not stated | 615,762 A | 798,885 A | 154,126 M | 241,551 M | 237,586 M | |
| Use of the most frequently used portable media and smart phones in an average week | | | | | | |
| 4 hours or less | 510,553 A | 822,902 A | 443,487 A | 642,183 A | – U | |
| 5 to 10 hours | 205,986 M | 414,994 A | 366,172 A | 511,273 A | – U | |
| 11 to 20 hours | – U | 209,411 M | 185,605 M | 350,536 A | – U | |
| 21 to 30 hours | – U | 76,685 M | 72,513 M | 217,658 M | – U | |
| 31 to 40 hours | – U | 106,866 M | – U | 146,686 M | – U | |
| 41 hours or more | 157,292 M | 371,872 M | 333,899 M | 466,358 A | – U | |
| Don't know | – U | 98,839 M | 85,659 M | 243,568 M | – U | |
| Not stated | 603,135 A | 654,156 A | 100,084 M | 156,051 M | 212,274 M | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.8 – Computer (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a personal computer (including laptop) | | | | | | | | | | | | | | |
| Yes | 11,912,317 | A | 769,339 | A | 2,786,693 | A | 4,495,565 | A | 763,210 | A | 1,349,243 | A | 1,748,266 | A |
| No | 1,447,522 | A | 182,767 | A | 471,141 | A | 508,226 | A | 113,772 | M | 90,986 | M | 80,629 | M |
| Not stated | 239,282 | M | - | U | - | U | - | U | - | U | - | U | - | U |
| Number of personal computers | | | | | | | | | | | | | | |
| One | 5,291,687 | A | 377,509 | A | 1,391,948 | A | 2,006,302 | A | 371,910 | A | 496,453 | A | 647,566 | A |
| Two | 3,655,180 | A | 218,901 | A | 861,937 | A | 1,208,554 | A | 202,779 | A | 508,994 | A | 654,015 | A |
| Three or more | 2,279,273 | A | 92,891 | A | 402,002 | A | 1,102,241 | A | 122,003 | A | 262,642 | A | 297,493 | A |
| Don't know | - | U | - | U | - | U | - | U | - | - | - | - | - | U |
| Not stated | 906,793 | A | 107,443 | A | 248,537 | M | 232,344 | A | 78,808 | M | 89,678 | M | - | U |
| Type of personal computer most frequently used | | | | | | | | | | | | | | |
| Desktop | 5,832,740 | A | 398,550 | A | 1,544,326 | A | 2,155,747 | A | 432,394 | A | 570,838 | A | 730,885 | A |
| Laptop | 5,528,294 | A | 349,535 | A | 1,097,193 | A | 2,172,132 | A | 311,643 | A | 723,640 | A | 874,151 | A |
| Don't know | - | U | - | U | - | U | - | U | - | U | - | - | - | U |
| Not stated | 754,126 | A | 48,641 | M | 259,946 | M | 209,710 | M | - | U | - | U | - | U |
| Age of the most frequently used personal computer | | | | | | | | | | | | | | |
| 5 years or less | 8,838,557 | A | 566,616 | A | 1,970,016 | A | 3,406,381 | A | 532,746 | A | 1,055,072 | A | 1,307,727 | A |
| 6 to 10 years | 1,830,831 | A | 91,076 | A | 492,855 | A | 716,495 | A | 121,989 | A | 157,025 | M | 251,392 | M |
| 11 years or more | 196,714 | A | - | U | 95,458 | M | 42,246 | M | - | U | - | U | - | U |
| Don't know | - | U | - | U | - | U | - | U | - | - | - | U | - | U |
| Not stated | 1,232,183 | A | 128,060 | A | 354,247 | A | 370,761 | A | 109,424 | M | 109,784 | M | 159,909 | M |
| Households with an ENERGY STAR® qualified personal computer (most frequently used personal computer) | | | | | | | | | | | | | | |
| Yes | 4,787,295 | A | 290,333 | A | 1,054,126 | A | 1,843,196 | A | 292,373 | A | 596,887 | A | 710,380 | A |
| No | 1,680,413 | A | 94,272 | A | 529,651 | A | 569,826 | A | 122,396 | A | 150,784 | M | 213,484 | A |
| Don't know | 3,979,093 | A | 243,312 | A | 798,868 | A | 1,632,999 | A | 247,231 | A | 467,195 | A | 589,487 | A |
| Not stated | 1,704,799 | A | 169,221 | A | 532,428 | A | 509,231 | A | 113,501 | A | 142,900 | M | 237,517 | M |
| Time the most frequently used personal computer is ON in a typical week | | | | | | | | | | | | | | |
| 10 hours or less | 3,452,272 | A | 241,841 | A | 953,790 | A | 1,200,366 | A | 201,500 | A | 300,694 | A | 554,081 | A |
| 11 to 20 hours | 2,148,999 | A | 133,717 | A | 516,138 | A | 821,834 | A | 127,229 | A | 237,659 | A | 312,422 | M |
| 21 to 40 hours | 2,237,219 | A | 116,526 | A | 454,317 | A | 939,710 | A | 132,122 | A | 214,506 | A | 380,039 | M |
| 41 hours or more | 2,568,059 | A | 150,547 | A | 486,952 | A | 981,967 | A | 163,540 | A | 421,008 | A | 364,045 | A |
| Don't know | 1,340,624 | A | 118,734 | A | 335,320 | A | 473,533 | A | 129,074 | A | 157,502 | M | 126,460 | M |
| Not stated | 404,426 | A | 35,773 | M | 168,556 | M | 137,843 | M | - | U | - | U | - | U |
| Time the most frequently used personal computer is IN USE in a typical week | | | | | | | | | | | | | | |
| 10 hours or less | 4,266,257 | A | 309,444 | A | 1,208,071 | A | 1,416,836 | A | 295,236 | A | 417,698 | A | 618,971 | A |
| 11 to 20 hours | 2,918,277 | A | 195,702 | A | 677,322 | A | 1,083,260 | A | 185,012 | A | 334,703 | A | 442,277 | M |
| 21 to 40 hours | 2,530,944 | A | 131,814 | A | 487,875 | A | 1,112,061 | A | 135,660 | A | 285,287 | A | 378,247 | M |
| 41 hours or more | 817,578 | A | 35,842 | M | 120,623 | M | 332,741 | A | 30,548 | M | 158,774 | M | 139,050 | M |
| Don't know | 1,310,627 | A | 95,103 | A | 284,357 | A | 510,248 | A | 108,964 | M | 143,645 | M | 168,310 | M |
| Not stated | 307,916 | A | 29,234 | M | 136,826 | M | 100,105 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.8 – Computer (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a personal computer (including laptop) | | | | | | |
| Yes | 2,267,321 A | 3,908,988 A | 2,020,621 A | 3,040,614 A | 674,773 A | |
| No | 835,831 A | 428,360 A | 44,743 M | – U | 120,432 M | |
| Not stated | 113,152 M | – U | – U | – U | – U | |
| Number of personal computers | | | | | | |
| One | 1,675,110 A | 1,846,851 A | 757,196 A | 741,125 A | 271,405 M | |
| Two | 384,766 A | 1,341,264 A | 652,667 A | 1,035,036 A | 241,446 M | |
| Three or more | – U | 450,967 A | 545,139 A | 1,141,873 A | – U | |
| Don't know | – – | – U | – U | – U | – – | |
| Not stated | 256,977 A | 350,725 A | 70,055 M | – U | – U | |
| Type of personal computer most frequently used | | | | | | |
| Desktop | 1,146,543 A | 1,968,086 A | 972,231 A | 1,405,450 A | 340,429 M | |
| Laptop | 1,058,029 A | 1,741,003 A | 946,208 A | 1,470,706 A | 312,349 M | |
| Don't know | – U | – U | – U | – U | – – | |
| Not stated | 162,897 M | 263,109 M | 106,702 M | 168,910 M | – U | |
| Age of the most frequently used personal computer | | | | | | |
| 5 years or less | 1,546,462 A | 2,813,007 A | 1,575,242 A | 2,419,593 A | 484,254 M | |
| 6 to 10 years | 431,285 A | 675,695 A | 315,403 A | 344,308 A | – U | |
| 11 years or more | 76,143 M | 83,382 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 319,756 A | 401,816 A | 114,567 M | 263,859 M | – U | |
| Households with an ENERGY STAR® qualified personal computer (most frequently used personal computer) | | | | | | |
| Yes | 663,578 A | 1,625,735 A | 903,066 A | 1,314,028 A | 280,888 M | |
| No | 365,396 A | 638,082 A | 258,700 A | 349,152 A | – U | |
| Don't know | 818,917 A | 1,096,017 A | 697,777 A | 1,157,053 A | 209,329 M | |
| Not stated | 532,582 A | 632,449 A | 167,881 M | 225,900 M | – U | |
| Time the most frequently used personal computer is ON in a typical week | | | | | | |
| 10 hours or less | 740,271 A | 1,321,993 A | 470,474 A | 678,665 A | 240,869 M | |
| 11 to 20 hours | 316,491 A | 720,912 A | 355,849 A | 583,056 M | – U | |
| 21 to 40 hours | 454,370 A | 646,862 A | 384,363 A | 676,299 A | – U | |
| 41 hours or more | 438,857 M | 781,279 A | 548,172 A | 685,479 A | – U | |
| Don't know | 261,059 A | 394,162 A | 231,026 A | 384,547 A | – U | |
| Not stated | 169,424 M | 127,075 M | – U | – U | – U | |
| Time the most frequently used personal computer is IN USE in a typical week | | | | | | |
| 10 hours or less | 890,330 A | 1,571,682 A | 619,782 A | 941,298 A | 243,164 M | |
| 11 to 20 hours | 496,631 A | 1,001,675 A | 462,829 A | 770,865 A | 186,277 M | |
| 21 to 40 hours | 490,868 A | 743,322 A | 468,680 A | 718,749 A | – U | |
| 41 hours or more | – U | 231,753 A | 189,864 M | 202,968 M | – U | |
| Don't know | 199,473 M | 377,214 A | 262,507 A | 395,869 A | – U | |
| Not stated | 170,319 M | 66,636 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.9 – Computer monitor (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|---------|---|-----------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| Households with a computer monitor | | | | | | | | | | | | | | |
| Yes | 7,520,514 | A | 482,047 | A | 1,341,500 | A | 3,105,851 | A | 516,023 | A | 834,108 | A | 1,240,985 | A |
| No | 1,447,522 | A | 182,767 | A | 471,141 | A | 508,226 | A | 113,772 | M | 90,986 | M | 80,629 | M |
| Not stated | 4,631,086 | A | 315,091 | A | 1,573,574 | A | 1,449,402 | A | 259,476 | A | 523,659 | A | 509,883 | A |
| Number of computer monitors | | | | | | | | | | | | | | |
| One | 5,899,417 | A | 395,922 | A | 1,058,786 | A | 2,403,569 | A | 436,871 | A | 643,399 | A | 960,870 | A |
| Two | 1,324,035 | A | 72,115 | M | 245,024 | A | 582,718 | A | 63,955 | M | 154,227 | M | 205,994 | M |
| Three or more | 297,062 | A | – | U | – | U | 119,564 | M | – | U | – | U | – | U |
| Don't know | 77,107 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 4,553,979 | A | 312,607 | A | 1,525,868 | A | 1,437,724 | A | 256,660 | A | 518,670 | A | 502,450 | A |
| Type of computer monitor most frequently used | | | | | | | | | | | | | | |
| Regular (CRT) | 919,633 | A | 92,759 | A | 335,763 | M | 273,546 | A | 92,605 | M | 51,118 | M | 73,843 | M |
| LCD flat panel | 5,059,242 | A | 285,923 | A | 1,282,570 | A | 1,853,660 | A | 327,664 | A | 548,383 | A | 761,042 | A |
| Don't know | 209,001 | A | – | U | – | U | 73,144 | M | – | U | – | U | – | U |
| Not stated | 5,963,723 | A | 397,302 | A | 1,236,663 | A | 2,354,902 | A | 334,721 | A | 744,685 | A | 895,451 | A |
| Age of the most frequently used computer monitor | | | | | | | | | | | | | | |
| 5 years or less | 5,634,176 | A | 377,115 | A | 1,012,808 | A | 2,272,801 | A | 357,562 | A | 619,425 | A | 994,464 | A |
| 6 to 10 years | 1,600,248 | A | 88,925 | A | 255,538 | A | 706,844 | A | 147,987 | A | 183,232 | A | 217,723 | A |
| 11 years or more | 167,429 | A | – | U | – | U | 70,788 | M | – | U | – | U | – | U |
| Don't know | 107,291 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 4,642,455 | A | 319,126 | A | 1,550,225 | A | 1,475,270 | A | 259,586 | A | 524,036 | A | 514,212 | A |
| Households with an ENERGY STAR® qualified computer monitor (most frequently used computer monitor) | | | | | | | | | | | | | | |
| Yes | 3,342,037 | A | 210,595 | A | 645,391 | A | 1,298,943 | A | 211,784 | A | 333,192 | A | 642,132 | A |
| No | 1,221,145 | A | 80,338 | A | 285,684 | M | 453,771 | A | 110,843 | A | 150,554 | M | 139,954 | M |
| Don't know | 2,745,461 | A | 157,840 | A | 434,920 | A | 1,228,865 | A | 170,593 | A | 322,524 | A | 430,719 | A |
| Not stated | 4,842,957 | A | 348,364 | A | 1,549,079 | A | 1,573,674 | A | 282,279 | A | 551,497 | A | 538,063 | A |
| When the most frequently used computer is turned off, the computer monitor ... | | | | | | | | | | | | | | |
| Remains on in stand-by mode (monitor turns on automatically with the computer) | 2,604,794 | A | 177,881 | A | 647,529 | A | 915,771 | A | 227,636 | A | 252,954 | A | 383,023 | A |
| Is turned off (monitor must be manually turned on) | 3,399,396 | A | 204,708 | A | 931,700 | A | 1,263,900 | A | 195,377 | A | 346,459 | A | 457,251 | A |
| Don't know | 173,268 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 5,974,141 | A | 402,096 | A | 1,248,511 | A | 2,341,331 | A | 339,881 | A | 744,791 | A | 897,531 | A |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.9 – Computer monitor (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a computer monitor | | | | | | |
| Yes | 1,167,759 A | 2,389,299 A | 1,351,806 A | 2,148,062 A | 463,589 M | |
| No | 835,831 A | 428,360 A | 44,743 M | – U | 120,432 M | |
| Not stated | 1,212,714 A | 1,602,985 A | 675,619 A | 898,071 A | 241,698 M | |
| Number of computer monitors | | | | | | |
| One | 995,115 A | 1,962,159 A | 1,008,071 A | 1,593,661 A | 340,412 M | |
| Two | 158,408 M | 380,562 A | 262,329 A | 426,499 A | – U | |
| Three or more | – U | 46,578 M | 81,406 M | 127,902 M | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 1,185,167 A | 1,575,033 A | 664,662 A | 887,754 A | 241,363 M | |
| Type of computer monitor most frequently used | | | | | | |
| Regular (CRT) | 203,614 M | 427,194 A | 141,402 M | 122,512 M | – U | |
| LCD flat panel | 859,173 A | 1,633,835 A | 881,968 A | 1,378,245 A | 306,021 M | |
| Don't know | 74,255 M | 74,164 M | – U | – U | – U | |
| Not stated | 1,243,431 A | 1,857,089 A | 994,449 A | 1,516,743 A | 352,012 M | |
| Age of the most frequently used computer monitor | | | | | | |
| 5 years or less | 879,817 A | 1,749,403 A | 1,028,893 A | 1,611,705 A | 364,358 M | |
| 6 to 10 years | 219,967 A | 524,118 A | 281,930 A | 496,345 A | – U | |
| 11 years or more | – U | 74,110 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 1,202,693 A | 1,615,012 A | 676,928 A | 900,538 A | 247,283 M | |
| Households with an ENERGY STAR® qualified computer monitor (most frequently used computer monitor) | | | | | | |
| Yes | 417,058 A | 1,062,806 A | 699,612 A | 969,282 A | – U | |
| No | 232,753 A | 429,177 A | 157,478 A | 324,099 A | – U | |
| Don't know | 468,895 A | 797,714 A | 475,178 A | 843,819 A | – U | |
| Not stated | 1,261,767 A | 1,702,587 A | 695,156 A | 908,932 A | 274,514 M | |
| When the most frequently used computer is turned off, the computer monitor ... | | | | | | |
| Remains on in stand-by mode (monitor turns on automatically with the computer) | 434,911 A | 790,795 A | 473,467 A | 795,223 A | – U | |
| Is turned off (monitor must be manually turned on) | 646,264 A | 1,256,042 A | 541,415 A | 727,689 A | 227,987 M | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 1,253,917 A | 1,861,110 A | 991,170 A | 1,510,991 A | 356,953 M | |

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 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.10 – Computer printer (1/2)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with a computer printer | | | | | | | | | | | | | | |
| Yes | 9,566,999 | A | 589,659 | A | 2,126,554 | A | 3,698,327 | A | 593,135 | A | 1,130,153 | A | 1,429,170 | A |
| No | 2,001,968 | A | 151,146 | A | 567,144 | A | 635,287 | A | 142,897 | M | 196,925 | M | 308,569 | M |
| Not stated | 582,633 | A | 56,333 | M | 221,375 | M | 221,639 | M | 39,468 | M | – | U | – | U |
| Number of computer printers | | | | | | | | | | | | | | |
| One | 7,644,053 | A | 473,179 | A | 1,783,457 | A | 2,974,220 | A | 453,426 | A | 878,226 | A | 1,081,544 | A |
| Two | 1,000,506 | A | 32,875 | M | 191,783 | A | 412,384 | A | 68,838 | M | 116,602 | M | 178,025 | M |
| Three or more | 120,547 | M | – | U | – | U | 78,186 | M | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | – | – | – | – | – |
| Not stated | 1,371,447 | A | 132,074 | A | 348,427 | A | 449,365 | A | 105,045 | M | 157,259 | M | 179,277 | M |
| Age of the most frequently used computer printer | | | | | | | | | | | | | | |
| 5 years or less | 7,111,942 | A | 417,284 | A | 1,578,284 | A | 2,849,123 | A | 399,877 | A | 780,744 | A | 1,086,630 | A |
| 6 to 10 years | 1,330,855 | A | 83,988 | A | 331,019 | A | 492,005 | A | 115,194 | A | 162,585 | M | 146,064 | M |
| 11 years or more | 140,006 | A | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | – | – | U | – | U |
| Not stated | 1,513,342 | A | 139,909 | A | 384,901 | A | 507,592 | A | 114,403 | M | 182,027 | M | 184,511 | M |
| Households with an ENERGY STAR® qualified computer printer (most frequently used computer printer) | | | | | | | | | | | | | | |
| Yes | 3,669,862 | A | 222,965 | A | 837,613 | A | 1,439,457 | A | 198,009 | A | 405,502 | A | 566,317 | A |
| No | 1,396,802 | A | 73,239 | A | 416,972 | A | 463,324 | A | 94,171 | A | 142,674 | M | 206,422 | M |
| Don't know | 3,227,016 | A | 180,710 | A | 613,717 | A | 1,373,576 | A | 208,439 | A | 412,946 | A | 437,628 | A |
| Not stated | 1,855,952 | A | 169,078 | A | 479,627 | A | 643,610 | A | 131,984 | A | 199,721 | A | 231,933 | M |
| Statement that best describes how the household uses their most frequently used computer printer | | | | | | | | | | | | | | |
| The printer is manually turned on when the computer is turned on and manually turned off when the computer is turned off | 1,631,045 | A | 94,874 | M | 437,438 | A | 618,862 | A | 107,013 | A | 157,603 | M | 215,254 | M |
| When using the computer, the printer is manually turned on only when needed and then manually turned off when not needed | 4,888,745 | A | 336,788 | A | 1,079,533 | A | 1,979,906 | A | 288,827 | A | 541,490 | A | 662,202 | A |
| The printer is on or in stand-by mode all the time (even if the computer is off) | 3,018,122 | A | 151,716 | A | 621,604 | A | 1,103,981 | A | 202,131 | A | 424,610 | A | 514,079 | A |
| Don't know | 195,432 | M | – | U | – | U | 80,848 | M | – | U | – | U | – | U |
| Not stated | 416,288 | A | 45,211 | M | 144,012 | M | 136,369 | M | – | U | – | U | – | U |

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Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.10 – Computer printer (2/2)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a computer printer | | | | | | |
| Yes | 1,538,130 A | 3,120,618 A | 1,696,148 A | 2,681,106 A | 530,996 A | |
| No | 626,795 A | 693,724 A | 255,910 A | 291,486 M | – U | |
| Not stated | 215,548 M | 177,942 M | – U | 73,540 M | – U | |
| Number of computer printers | | | | | | |
| One | 1,353,112 A | 2,439,778 A | 1,410,856 A | 2,018,734 A | 421,573 M | |
| Two | 81,167 M | 327,586 A | 185,878 M | 358,133 A | – U | |
| Three or more | – U | – U | – U | – U | – U | |
| Don't know | – – | – U | – – | – U | – – | |
| Not stated | 313,501 A | 481,511 A | 148,659 M | 326,183 M | – U | |
| Age of the most frequently used computer printer | | | | | | |
| 5 years or less | 1,144,298 A | 2,268,343 A | 1,297,701 A | 2,014,641 A | 386,958 M | |
| 6 to 10 years | 218,086 A | 453,636 A | 258,300 A | 352,025 A | – U | |
| 11 years or more | – U | 61,636 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 326,023 A | 499,861 A | 194,222 M | 374,083 M | – U | |
| Households with an ENERGY STAR® qualified computer printer (most frequently used computer printer) | | | | | | |
| Yes | 439,871 A | 1,240,813 A | 697,072 A | 1,096,796 A | 195,311 M | |
| No | 334,100 M | 438,032 A | 231,670 A | 321,860 A | – U | |
| Don't know | 584,879 A | 958,271 A | 645,693 A | 891,082 A | – U | |
| Not stated | 394,828 A | 661,443 A | 197,079 A | 444,909 A | – U | |
| Statement that best describes how the household uses their most frequently used computer printer | | | | | | |
| The printer is manually turned on when the computer is turned on and manually turned off when the computer is turned off | 244,024 A | 515,566 A | 249,208 A | 469,726 A | – U | |
| When using the computer, the printer is manually turned on only when needed and then manually turned off when not needed | 852,127 A | 1,671,998 A | 851,701 A | 1,324,454 A | 188,465 M | |
| The printer is on or in stand-by mode all the time (even if the computer is off) | 436,559 A | 940,298 A | 587,313 A | 881,832 A | 172,119 M | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | 186,183 M | 113,488 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.11 – Telephone (1/2)

| | Number of households by region | | | | | | | |
|--|--------------------------------|-----------|-------------|-------------|---------------------------|-------------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Households with a telephone that requires an electrical outlet and phone jack (excluding cell phones) | | | | | | | | |
| Yes | 11,443,479 A | 813,227 A | 2,855,518 A | 4,495,994 A | 739,746 A | 1,137,387 A | 1,401,607 A | |
| No | 1,846,770 A | 139,380 A | 462,639 A | 482,324 A | 109,020 M | 276,328 M | 377,080 M | |
| Not stated | - U | - U | - U | - U | - U | - U | - U | |
| Don't know | 278,999 M | - U | - U | 74,713 M | - U | - U | - U | |
| Number of telephones that require an electrical outlet and phone jack | | | | | | | | |
| One | 5,077,476 A | 349,111 A | 1,332,528 A | 1,828,729 A | 351,949 A | 442,204 A | 772,956 A | |
| Two | 3,324,617 A | 267,055 A | 825,891 A | 1,364,687 A | 205,556 A | 304,533 A | 356,895 A | |
| Three | 1,801,742 A | 120,590 A | 432,761 A | 740,124 A | 119,130 A | 230,318 A | 158,819 M | |
| Four or more | 1,239,644 A | 76,471 A | 264,338 A | 562,454 A | 63,111 A | 160,332 M | 112,937 M | |
| Don't know | - U | - U | - U | - U | - U | - U | - U | |
| Not stated | 278,999 M | - U | - U | 74,713 M | - U | - U | - U | |
| Age of the most frequently used telephone that requires an electrical outlet and phone jack | | | | | | | | |
| 5 years or less | 7,395,641 A | 511,298 A | 1,723,849 A | 2,989,826 A | 485,822 A | 761,432 A | 923,414 A | |
| 6 to 10 years | 2,645,367 A | 176,524 A | 771,386 A | 979,248 A | 153,325 A | 233,103 A | 331,781 A | |
| 11 years or more | 943,327 A | 60,364 A | 267,205 A | 346,545 A | 85,879 M | 85,929 M | 97,405 M | |
| Don't know | 227,155 M | - U | - U | - U | - U | - U | - U | |
| Not stated | 540,862 A | 57,375 M | 116,552 M | 196,219 M | 49,408 M | - U | - U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.11 – Telephone (2/2)

| Number of households by size of household | | | | | | |
|--|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a telephone that requires an electrical outlet and phone jack (excluding cell phones) | | | | | | |
| Yes | 2,386,681 A | 3,707,159 A | 1,876,592 A | 2,850,547 A | 622,500 A | |
| No | 720,333 A | 618,882 A | 156,959 M | 166,851 M | – U | |
| Not stated | – U | – U | – U | – U | – U | |
| Don't know | – U | 82,366 M | – U | – U | – U | |
| Number of telephones that require an electrical outlet and phone jack | | | | | | |
| One | 1,341,512 A | 1,586,359 A | 684,220 A | 1,106,687 A | 358,698 M | |
| Two | 675,753 A | 1,129,816 A | 599,854 A | 765,680 A | 153,514 M | |
| Three | 223,715 M | 608,086 A | 353,459 A | 549,272 A | – U | |
| Four or more | 145,701 M | 382,897 A | 239,059 A | 428,909 A | – U | |
| Don't know | – U | – U | – U | – U | – U | |
| Not stated | – U | 82,366 M | – U | – U | – U | |
| Age of the most frequently used telephone that requires an electrical outlet and phone jack | | | | | | |
| 5 years or less | 1,419,115 A | 2,190,976 A | 1,255,590 A | 2,082,770 A | 447,191 M | |
| 6 to 10 years | 510,103 A | 974,899 A | 431,365 A | 623,490 A | 105,510 M | |
| 11 years or more | 306,351 A | 363,945 A | 129,405 M | 109,285 M | – U | |
| Don't know | – U | 99,488 M | – U | – U | – U | |
| Not stated | 195,085 M | 172,453 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
 Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.12 – Water cooler (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|---|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---------|---------------------|---|-----------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | Alberta | British Columbia | | | |
| Households with a water cooler | | | | | | | | | | | | | | |
| Yes | 1,422,760 | A | 125,815 | A | 492,976 | A | 407,867 | A | 125,327 | A | 156,848 | M | 113,928 | M |
| No | 10,291,506 | A | 667,162 | A | 2,449,453 | A | 3,993,414 | A | 639,741 | A | 1,129,275 | A | 1,412,460 | A |
| Not stated | 77,993 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 1,806,862 | A | 175,490 | A | 434,308 | A | 615,446 | A | 122,820 | A | 157,510 | M | 301,288 | M |
| Number of water coolers | | | | | | | | | | | | | | |
| One | 1,398,566 | A | 122,941 | A | 490,720 | A | 401,012 | A | 123,495 | A | 153,830 | M | 106,569 | M |
| Two or more | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | 77,993 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,806,862 | A | 175,490 | A | 434,308 | A | 615,446 | A | 122,820 | A | 157,510 | M | 301,288 | M |
| Age of the most frequently used water cooler | | | | | | | | | | | | | | |
| 5 years or less | 802,658 | A | 75,722 | A | 266,638 | M | 233,525 | A | 76,729 | M | 101,512 | M | – | U |
| 6 to 10 years | 424,721 | A | 28,563 | M | 112,518 | M | 138,379 | M | 43,406 | M | – | U | – | U |
| 11 years or more | 168,696 | M | – | U | 95,583 | M | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 1,853,426 | A | 184,977 | A | 449,856 | A | 642,249 | A | 122,701 | A | 160,407 | M | 293,236 | M |
| Households with an ENERGY STAR® qualified water cooler (most frequently used water cooler) | | | | | | | | | | | | | | |
| Yes | 431,375 | A | 36,819 | M | 162,402 | M | 113,193 | M | 57,219 | M | – | U | – | U |
| No | 468,871 | A | 41,201 | M | 141,404 | M | 175,359 | M | – | U | – | U | – | U |
| Don't know | 552,318 | A | 43,277 | M | 166,397 | M | 154,101 | M | 30,188 | M | – | U | – | U |
| Not stated | 1,855,051 | A | 191,447 | A | 466,558 | A | 627,411 | A | 131,657 | A | 163,959 | M | 274,019 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 11.12 – Water cooler (2/2)

| Number of households by size of household | | | | | | |
|---|-------------|-------------|---------------|----------------------|------------|--|
| | One member | Two members | Three members | Four or more members | Not stated | |
| Households with a water cooler | | | | | | |
| Yes | 221,887 M | 488,327 A | 243,821 A | 402,290 A | – U | |
| No | 2,361,505 A | 3,276,738 A | 1,638,599 A | 2,396,947 A | 617,717 M | |
| Not stated | – U | – U | – U | – U | – – | |
| Don't know | 618,405 A | 640,174 A | 169,563 M | 237,153 M | 141,567 M | |
| Number of water coolers | | | | | | |
| One | 219,224 M | 483,979 A | 242,708 A | 386,619 A | – U | |
| Two or more | – U | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – – | |
| Not stated | 618,405 A | 640,174 A | 169,563 M | 237,153 M | 141,567 M | |
| Age of the most frequently used water cooler | | | | | | |
| 5 years or less | 118,522 M | 281,771 M | 134,086 M | 227,883 A | – U | |
| 6 to 10 years | – U | 139,294 A | 74,513 M | 124,436 M | – U | |
| 11 years or more | – U | 58,480 M | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – – | |
| Not stated | 626,074 A | 647,946 A | 185,840 M | 245,541 M | 148,024 M | |
| Households with an ENERGY STAR® qualified water cooler (most frequently used water cooler) | | | | | | |
| Yes | – U | 189,162 M | 71,340 M | 92,783 M | – U | |
| No | – U | 109,690 A | 100,404 M | 141,602 M | – U | |
| Don't know | – U | 186,326 M | 67,835 M | 151,854 M | – U | |
| Not stated | 571,079 A | 658,728 A | 193,990 M | 281,100 M | 150,154 M | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 12



Lighting

Table 12.1 – Light bulbs (1/4)

| Number of households by region | | | | | | | | | | | | | | |
|--|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Households with incandescent light bulbs | | | | | | | | | | | | | | |
| Yes | 8,553,840 | A | 549,206 | A | 2,169,725 | A | 3,203,025 | A | 575,816 | A | 993,508 | A | 1,062,560 | A |
| No | 1,113,624 | A | 112,277 | A | 227,145 | M | 419,309 | A | 131,646 | A | – | U | 113,957 | M |
| Don't know | 1,732,547 | A | 105,292 | A | 293,050 | M | 707,352 | A | 76,266 | A | 194,228 | M | 356,360 | M |
| Not stated | 2,199,111 | A | 213,130 | A | 696,295 | A | 733,793 | A | 105,545 | A | 151,728 | M | 298,620 | M |
| Number of incandescent light bulbs | | | | | | | | | | | | | | |
| 1 to 5 bulbs | 1,944,515 | A | 138,533 | A | 488,412 | A | 721,845 | A | 146,975 | A | 225,218 | M | 223,532 | M |
| 6 to 10 bulbs | 2,611,495 | A | 165,753 | A | 697,912 | A | 1,011,407 | A | 136,420 | A | 235,808 | M | 364,196 | A |
| 11 to 20 bulbs | 2,146,664 | A | 129,393 | A | 543,967 | A | 841,374 | A | 170,306 | A | 253,290 | A | 208,333 | M |
| More than 20 bulbs | 1,851,165 | A | 115,527 | A | 439,435 | A | 628,399 | A | 122,114 | A | 279,191 | A | 266,499 | A |
| Don't know | 1,732,547 | A | 105,292 | A | 293,050 | M | 707,352 | A | 76,266 | A | 194,228 | M | 356,360 | M |
| Not stated | 2,199,111 | A | 213,130 | A | 696,295 | A | 733,793 | A | 105,545 | A | 151,728 | M | 298,620 | M |
| Households with any energy-saving lights | | | | | | | | | | | | | | |
| Yes | 11,725,855 | A | 838,254 | A | 2,879,949 | A | 4,574,606 | A | 807,815 | A | 1,105,978 | A | 1,519,254 | A |
| No | 1,000,405 | A | 101,564 | A | 342,403 | A | 285,909 | M | 32,935 | M | 147,910 | M | – | U |
| Don't know | – | U | – | U | – | – | – | U | – | U | – | U | – | U |
| Not stated | 823,791 | A | – | U | – | U | 174,237 | M | – | U | – | U | – | U |
| Households with compact fluorescent light bulbs | | | | | | | | | | | | | | |
| Yes | 11,259,329 | A | 795,298 | A | 2,704,888 | A | 4,301,640 | A | 666,497 | A | 1,219,750 | A | 1,571,256 | A |
| No | 2,098,722 | A | 171,624 | A | 612,289 | A | 701,706 | A | 209,932 | A | 200,446 | A | 202,725 | M |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 233,343 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Number of compact fluorescent light bulbs | | | | | | | | | | | | | | |
| 1 to 5 bulbs | 2,391,583 | A | 121,953 | A | 667,580 | A | 814,213 | A | 187,755 | A | 235,124 | A | 364,957 | A |
| 6 to 10 bulbs | 1,909,036 | A | 99,189 | A | 466,457 | A | 741,621 | A | 107,835 | A | 285,681 | M | 208,254 | M |
| 11 to 20 bulbs | 1,954,429 | A | 158,056 | A | 335,563 | A | 857,840 | A | 133,499 | A | 155,548 | M | 313,924 | M |
| More than 20 bulbs | 802,225 | A | 87,959 | A | 101,825 | M | 356,485 | A | 47,856 | M | 112,054 | M | 96,047 | M |
| Don't know | 1,470,654 | A | 109,353 | A | 247,394 | M | 655,007 | A | 53,086 | M | 170,494 | M | 235,321 | M |
| Not stated | 2,972,472 | A | 231,771 | A | 955,107 | A | 936,609 | A | 149,309 | A | 289,406 | A | 410,269 | M |
| Households with halogen light bulbs | | | | | | | | | | | | | | |
| Yes | 10,486,300 | A | 658,599 | A | 2,791,034 | A | 3,802,908 | A | 563,685 | A | 1,155,516 | A | 1,514,559 | A |
| No | 2,967,441 | A | 304,620 | A | 564,982 | A | 1,211,094 | A | 302,486 | A | 281,178 | A | 303,081 | M |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 140,347 | M | – | U | – | U | – | U | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.1 – Light bulbs (2/4)

| Number of households by heated area (excluding garage) | | | | | | | | |
|--|--|---|--|---|---|--|--|--|
| | 56 square metres or less (600 square feet or less) | 56 to 93 square metres (601 to 1,000 square feet) | 93 to 139 square metres (1,001 to 1,500 square feet) | 139 to 186 square metres (1,501 to 2,000 square feet) | 186 to 232 square metres (2,001 to 2,500 square feet) | 232 or more square metres (2,501 or more square feet) | | |
| Households with incandescent light bulbs | | | | | | | | |
| Yes | 438,510 A | 1,361,536 A | 1,158,922 A | 1,626,703 A | 1,593,359 A | 2,374,810 A | | |
| No | – U | 167,198 M | 199,651 M | 218,505 M | 184,810 M | 222,576 A | | |
| Don't know | – U | 219,065 M | 276,904 M | 228,569 M | 244,859 M | 676,786 A | | |
| Not stated | 146,169 M | 477,520 A | 368,171 A | 361,145 M | 337,593 A | 508,513 A | | |
| Number of incandescent light bulbs | | | | | | | | |
| 1 to 5 bulbs | 227,211 M | 470,601 A | 292,275 A | 286,057 A | 398,717 A | 269,654 A | | |
| 6 to 10 bulbs | 141,466 M | 590,736 A | 326,761 A | 613,908 A | 358,219 A | 580,405 A | | |
| 11 to 20 bulbs | – U | 265,555 A | 306,507 A | 381,782 A | 477,211 A | 670,367 A | | |
| More than 20 bulbs | – U | – U | 233,379 M | 344,955 A | 359,212 A | 854,384 A | | |
| Don't know | – U | 219,065 M | 276,904 M | 228,569 M | 244,859 M | 676,786 A | | |
| Not stated | 146,169 M | 477,520 A | 368,171 A | 361,145 M | 337,593 A | 508,513 A | | |
| Households with any energy-saving lights | | | | | | | | |
| Yes | 614,850 A | 1,789,503 A | 1,675,948 A | 2,117,321 A | 2,036,744 A | 3,491,488 A | | |
| No | 135,207 M | 294,726 M | 184,890 M | 159,590 M | 134,248 M | 91,744 M | | |
| Don't know | – U | – U | – U | – U | – U | – U | | |
| Not stated | – U | – U | – U | 138,499 M | 186,800 M | 181,060 M | | |
| Households with compact fluorescent light bulbs | | | | | | | | |
| Yes | 632,456 A | 1,766,419 A | 1,585,431 A | 2,033,907 A | 1,939,332 A | 3,301,785 A | | |
| No | 159,470 M | 457,285 A | 364,957 A | 333,116 A | 334,884 A | 449,009 A | | |
| Don't know | – – | – – | – – | – – | – – | – U | | |
| Not stated | – – | – U | – U | – U | – U | – U | | |
| Number of compact fluorescent light bulbs | | | | | | | | |
| 1 to 5 bulbs | 223,411 M | 456,356 A | 423,062 A | 352,706 A | 366,764 A | 569,286 A | | |
| 6 to 10 bulbs | – U | 284,555 M | 226,018 A | 435,000 A | 400,160 A | 495,156 A | | |
| 11 to 20 bulbs | – U | 182,743 M | 227,815 A | 479,188 A | 399,152 A | 631,697 A | | |
| More than 20 bulbs | – U | – U | 48,038 M | 142,186 A | 194,104 A | 389,061 A | | |
| Don't know | – U | 221,985 M | 232,521 M | 214,595 A | 179,341 M | 534,060 A | | |
| Not stated | 197,155 M | 615,315 A | 481,238 A | 478,133 A | 486,215 A | 714,416 A | | |
| Households with halogen light bulbs | | | | | | | | |
| Yes | 588,591 A | 1,454,619 A | 1,497,085 A | 1,855,037 A | 1,887,072 A | 3,203,895 A | | |
| No | 203,335 A | 762,903 A | 476,603 A | 538,350 A | 443,895 A | 542,355 A | | |
| Don't know | – – | – – | – – | – – | – – | – U | | |
| Not stated | – – | – U | – U | – U | – U | – U | | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.1 – Light bulbs (3/4)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Number of halogen light bulbs | | | | | | | | | | | | | | |
| 1 to 5 bulbs | 2,896,090 | A | 172,140 | A | 668,689 | A | 983,863 | A | 224,228 | A | 334,729 | A | 512,441 | A |
| 6 to 10 bulbs | 1,708,204 | A | 85,953 | A | 537,773 | A | 594,928 | A | 94,960 | A | 174,640 | M | 219,950 | M |
| 11 to 20 bulbs | 1,384,274 | A | 37,506 | M | 381,115 | A | 535,050 | A | 63,426 | M | 193,361 | M | 173,816 | M |
| More than 20 bulbs | 647,972 | A | – | U | 200,179 | A | 297,379 | M | – | U | – | U | 69,482 | M |
| Don't know | 1,294,078 | A | 81,625 | M | 237,376 | M | 558,359 | A | 37,874 | M | 140,279 | M | 238,565 | M |
| Not stated | 2,701,062 | A | 284,182 | A | 796,101 | A | 882,806 | A | 152,089 | A | 271,722 | A | 314,163 | M |
| Households with fluorescent tubes | | | | | | | | | | | | | | |
| Yes | 10,414,241 | A | 721,437 | A | 2,707,061 | A | 3,919,776 | A | 661,696 | A | 1,016,843 | A | 1,387,427 | A |
| No | 2,950,687 | A | 245,808 | A | 670,659 | A | 1,092,101 | A | 210,484 | A | 351,659 | A | 379,974 | M |
| Don't know | – | U | – | – | – | – | – | U | – | – | – | – | – | U |
| Not stated | 227,689 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Number of fluorescent tubes | | | | | | | | | | | | | | |
| 1 to 5 bulbs | 4,007,340 | A | 278,346 | A | 1,066,744 | A | 1,550,663 | A | 321,144 | A | 331,182 | A | 459,261 | A |
| 6 to 10 bulbs | 1,593,187 | A | 63,837 | A | 447,666 | A | 602,513 | A | 112,528 | A | 191,905 | M | 174,738 | M |
| 11 to 20 bulbs | 545,456 | A | 45,917 | M | 123,845 | M | 223,843 | A | 46,294 | M | 52,654 | M | 52,902 | M |
| More than 20 bulbs | 164,538 | A | – | U | – | U | 56,558 | M | – | U | – | U | – | U |
| Don't know | 1,240,128 | A | 77,125 | M | 196,210 | M | 562,898 | A | 37,262 | M | 144,217 | M | 222,415 | M |
| Not stated | 3,097,785 | A | 255,704 | A | 874,544 | A | 974,902 | A | 139,793 | A | 347,440 | A | 505,402 | M |
| Households with LED holiday lights | | | | | | | | | | | | | | |
| Yes | 4,555,382 | A | 404,820 | A | 1,046,029 | A | 1,792,001 | A | 328,589 | A | 429,545 | A | 554,397 | M |
| No | 8,170,879 | A | 534,997 | A | 2,176,323 | A | 3,068,513 | A | 512,161 | A | 824,342 | A | 1,054,542 | A |
| Don't know | – | U | – | U | – | – | – | U | – | U | – | U | – | U |
| Not stated | 823,791 | A | – | U | – | U | 174,237 | M | – | U | – | U | – | U |
| Households with other types of LED lights | | | | | | | | | | | | | | |
| Yes | 1,540,648 | A | 75,215 | A | 310,785 | A | 621,901 | A | 89,354 | M | 134,390 | M | 309,004 | M |
| No | 11,185,613 | A | 864,603 | A | 2,911,568 | A | 4,238,614 | A | 751,396 | A | 1,119,497 | A | 1,299,935 | A |
| Don't know | – | U | – | U | – | – | – | U | – | U | – | U | – | U |
| Not stated | 823,791 | A | – | U | 163,862 | U | 174,237 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.1 – Light bulbs (4/4)

| Number of households by heated area (excluding garage) | | | | | | | |
|--|--|---|--|---|---|--|--|
| | 56 square metres or less (600 square feet or less) | 56 to 93 square metres (601 to 1,000 square feet) | 93 to 139 square metres (1,001 to 1,500 square feet) | 139 to 186 square metres (1,501 to 2,000 square feet) | 186 to 232 square metres (2,001 to 2,500 square feet) | 232 or more square metres (2,501 or more square feet) | |
| Number of halogen light bulbs | | | | | | | |
| 1 to 5 bulbs | 226,577 M | 517,655 A | 384,510 A | 598,418 A | 530,344 A | 638,585 A | |
| 6 to 10 bulbs | – U | 200,941 M | 196,553 A | 351,913 M | 348,893 A | 591,551 A | |
| 11 to 20 bulbs | – U | – U | 133,458 M | 281,589 A | 398,959 M | 455,245 A | |
| More than 20 bulbs | – – | – U | – U | 86,679 M | 111,188 M | 399,325 A | |
| Don't know | – U | 141,661 M | 245,854 M | 157,487 M | 141,993 M | 538,525 A | |
| Not stated | 251,456 M | 492,925 A | 533,748 A | 420,487 A | 385,349 A | 617,098 A | |
| Households with fluorescent tubes | | | | | | | |
| Yes | 585,671 A | 1,625,848 A | 1,456,056 A | 1,879,143 A | 1,759,671 A | 3,107,851 A | |
| No | 206,255 M | 537,305 A | 504,203 A | 534,209 A | 523,150 A | 645,565 A | |
| Don't know | – – | – – | – – | – – | – – | – U | |
| Not stated | – – | – U | – U | – U | – U | – U | |
| Number of fluorescent tubes | | | | | | | |
| 1 to 5 bulbs | 240,776 M | 607,813 A | 592,572 A | 814,532 A | 735,932 A | 1,015,715 A | |
| 6 to 10 bulbs | – U | – U | 179,932 M | 276,862 A | 290,725 A | 639,947 A | |
| 11 to 20 bulbs | – U | – U | – U | 119,370 M | 117,076 A | 227,433 A | |
| More than 20 bulbs | – – | – U | – U | – U | – U | 94,229 M | |
| Don't know | – U | 182,842 M | 229,727 M | 154,425 M | 160,143 M | 436,201 A | |
| Not stated | 216,652 M | 676,141 A | 468,285 A | 505,094 A | 508,018 A | 723,594 A | |
| Households with LED holiday lights | | | | | | | |
| Yes | 152,166 M | 348,453 A | 577,496 A | 833,480 A | 974,371 A | 1,669,417 A | |
| No | 597,892 A | 1,735,777 A | 1,283,343 A | 1,443,431 A | 1,196,621 A | 1,913,815 A | |
| Don't know | – U | – U | – U | – U | – U | – U | |
| Not stated | – U | – U | – U | 138,499 M | 186,800 M | 181,060 M | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published. Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.2 – Lighting use – incandescent (1/2)

| | Number of households by region | | | | | | | |
|--|--------------------------------|-----------|-------------|-------------|---------------------------|-----------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Households that turn on an incandescent light bulb (excluding small bulbs and night lights) for three or more hours during an average day | | | | | | | | |
| Yes | 6,443,953 A | 462,683 A | 1,321,151 A | 2,387,098 A | 443,815 A | 881,802 A | 947,403 A | |
| No | 6,441,029 A | 462,367 A | 1,928,640 A | 2,357,887 A | 391,943 A | 485,508 A | 814,683 A | |
| Don't know | 503,528 A | 34,778 M | – U | 238,329 M | – U | – U | 57,200 M | |
| Not stated | 210,611 M | – U | – U | 80,164 M | – U | – U | – U | |
| Number of incandescent light bulbs turned on for three or more hours | | | | | | | | |
| 1 to 2 bulbs | 2,059,169 A | 116,698 A | 476,307 A | 830,818 A | 102,355 A | 249,458 A | 283,534 M | |
| 3 to 5 bulbs | 1,886,377 A | 130,860 A | 514,651 A | 662,273 A | 131,863 A | 205,738 M | 240,991 M | |
| 6 to 10 bulbs | 853,663 A | 68,763 A | 152,769 M | 303,789 A | 86,936 M | 120,597 M | 120,808 M | |
| More than 10 bulbs | 262,998 M | – U | – U | 83,450 M | – U | – U | – U | |
| Don't know | 1,057,661 A | 94,468 A | 114,459 M | 377,253 A | 76,812 M | 223,687 M | 170,982 M | |
| Not stated | 1,038,225 A | 92,116 A | 166,517 M | 448,008 A | 87,369 M | 117,662 M | 126,552 M | |
| Typical wattage of incandescent light bulbs turned on for three or more hours | | | | | | | | |
| Less than 60 watts | 1,319,204 A | 100,415 A | 329,762 A | 507,199 A | 48,341 M | 133,446 M | 200,041 M | |
| 60 watts | 3,172,567 A | 254,204 A | 674,301 A | 1,151,550 A | 251,298 A | 452,129 A | 389,084 A | |
| 61 to 100 watts | 737,422 A | 32,833 M | 143,643 M | 239,793 A | 87,047 A | 108,898 M | 125,209 M | |
| More than 100 watts | 69,820 M | – U | – U | – U | – U | – U | – U | |
| Don't know | 1,108,052 A | 72,186 A | 158,553 M | 449,205 A | 50,213 M | 162,973 M | 214,920 M | |
| Not stated | 751,028 A | 56,232 M | 125,696 M | 336,186 A | 56,755 M | 96,626 M | 79,533 M | |
| Hours incandescent light bulbs are turned on during an average day in the winter | | | | | | | | |
| Less than 3 hours | – – | – – | – – | – – | – – | – – | – – | |
| 3 to 5 hours | 1,654,049 A | 107,601 A | 366,690 A | 628,578 A | 89,034 A | 144,635 M | 317,511 M | |
| 6 to 9 hours | 2,641,887 A | 190,770 A | 599,504 A | 885,432 A | 211,694 A | 471,190 A | 283,297 A | |
| More than 9 hours | 989,261 A | 68,696 A | 131,878 M | 366,884 A | 73,183 M | 144,015 M | 204,605 M | |
| Don't know | 1,088,383 A | 81,475 M | 211,901 M | 477,056 A | 64,781 M | 122,319 M | 130,850 M | |
| Not stated | 784,512 A | 68,995 A | 147,602 M | 347,641 A | 58,637 M | 81,086 M | 80,551 M | |
| Hours incandescent light bulbs are turned on during an average day in the summer | | | | | | | | |
| Less than 3 hours | 1,689,124 A | 119,561 A | 344,183 A | 566,338 A | 130,311 A | 258,188 A | 270,542 M | |
| 3 to 5 hours | 2,765,976 A | 192,051 A | 650,189 A | 1,006,456 A | 184,948 A | 378,294 M | 354,038 A | |
| 6 to 9 hours | 570,962 A | 37,452 M | 78,443 M | 216,502 A | 34,331 M | – U | 127,931 M | |
| More than 9 hours | 219,589 M | – U | – U | 85,749 M | – U | – U | – U | |
| Don't know | 1,121,778 A | 89,232 M | 203,663 M | 484,998 A | 77,031 A | 132,904 M | 133,950 M | |
| Not stated | 698,884 A | 56,782 M | 118,772 M | 319,502 A | 51,396 M | 77,031 M | 75,401 M | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.2 – Lighting use – incandescent (2/2)

| | Number of households by heated area (excluding garage) | | | | | | |
|--|--|---|--|---|---|---|--|
| | 56 square metres or less (600 square feet or less) | 56 to 93 square metres (601 to 1,000 square feet) | 93 to 139 square metres (1,001 to 1,500 square feet) | 139 to 186 square metres (1,501 to 2,000 square feet) | 186 to 232 square metres (2,001 to 2,500 square feet) | 232 or more square metres (2,501 or more square feet) | |
| Households that turn on an incandescent light bulb (excluding small bulbs and night lights) for three or more hours during an average day | | | | | | | |
| Yes | 324,416 M | 946,362 A | 965,042 A | 1,116,156 A | 1,210,968 A | 1,881,009 A | |
| No | 446,066 A | 1,156,267 A | 957,824 A | 1,226,651 A | 1,022,509 A | 1,631,712 A | |
| Don't know | – U | – U | – U | – U | 74,625 M | 226,252 M | |
| Not stated | – U | – U | – U | – U | – U | – U | |
| Number of incandescent light bulbs turned on for three or more hours | | | | | | | |
| 1 to 2 bulbs | 199,469 M | 396,862 A | 447,687 A | 273,024 A | 383,397 A | 358,729 A | |
| 3 to 5 bulbs | – U | 288,759 M | 279,157 A | 408,639 A | 321,399 A | 533,482 A | |
| 6 to 10 bulbs | – U | – U | 46,057 M | 198,982 A | 197,020 A | 328,975 A | |
| More than 10 bulbs | – – | – U | – U | – U | 42,712 M | 172,955 M | |
| Don't know | – U | 130,168 M | – U | 155,085 M | 215,247 A | 419,551 A | |
| Not stated | – U | 175,786 M | 134,954 M | 140,634 M | 178,337 M | 337,281 A | |
| Typical wattage of incandescent light bulbs turned on for three or more hours | | | | | | | |
| Less than 60 watts | – U | 139,273 M | 195,384 M | 236,944 M | 311,882 A | 375,737 A | |
| 60 watts | 130,008 M | 491,439 A | 469,420 A | 539,376 A | 555,128 A | 987,195 A | |
| 61 to 100 watts | – U | 140,301 M | 100,638 M | 144,190 M | 117,595 M | 176,629 A | |
| More than 100 watts | – – | – U | – U | – U | – U | – U | |
| Don't know | – U | 172,174 M | 183,698 M | 160,010 M | 199,813 M | 313,973 M | |
| Not stated | – U | 121,102 M | 87,737 M | 116,328 M | 129,978 M | 276,468 A | |
| Hours incandescent light bulbs are turned on during an average day in the winter | | | | | | | |
| Less than 3 hours | – – | – – | – – | – – | – – | – – | |
| 3 to 5 hours | – U | 287,709 M | 278,095 M | 247,352 A | 290,087 A | 465,067 A | |
| 6 to 9 hours | 115,987 M | 410,196 A | 372,846 M | 460,334 A | 510,176 A | 772,348 A | |
| More than 9 hours | – U | 118,740 M | 118,468 M | 170,047 M | 197,149 M | 338,154 A | |
| Don't know | – U | 113,050 M | 176,713 M | 201,239 M | 234,384 A | 291,114 A | |
| Not stated | – U | 139,356 M | 99,701 M | 129,299 M | 106,316 M | 284,290 A | |
| Hours incandescent light bulbs are turned on during an average day in the summer | | | | | | | |
| Less than 3 hours | – U | 163,817 M | 256,827 M | 305,076 A | 292,652 A | 593,625 A | |
| 3 to 5 hours | 134,539 M | 519,155 A | 421,075 A | 399,237 A | 548,155 A | 743,816 A | |
| 6 to 9 hours | – U | 136,251 M | 58,232 M | 89,469 M | 117,269 M | 155,687 A | |
| More than 9 hours | – U | – U | – U | – U | – U | 54,471 M | |
| Don't know | – U | 94,097 M | 180,642 M | 226,966 M | 242,305 A | 305,221 A | |
| Not stated | – U | 125,475 M | 88,290 M | 106,692 M | 89,599 M | 269,412 A | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.3 – Lighting controls (1/2)

| Number of households by region | | | | | | | | | | | | | | |
|---|------------|---|----------|---|-----------|---|-----------|---|---------------------------|---------|---------------------|---|-----------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | Alberta | British Columbia | | | |
| Number of light bulbs using a programmable timer control | | | | | | | | | | | | | | |
| One | 703,832 | A | 25,642 | M | 131,612 | M | 360,912 | A | 48,089 | M | – | U | 82,922 | M |
| Two to three | 582,281 | A | 23,871 | M | 184,709 | M | 251,203 | A | 26,256 | M | – | U | 60,863 | M |
| More than three | 538,702 | A | – | U | 123,183 | M | 249,619 | M | – | U | – | U | – | U |
| None | 10,406,823 | A | 804,137 | A | 2,737,698 | A | 3,670,628 | A | 706,185 | A | 1,187,286 | A | 1,300,889 | A |
| Don't know | 256,756 | M | – | U | – | U | 116,716 | M | – | U | – | U | – | U |
| Not stated | 1,110,726 | A | 77,738 | A | 181,441 | M | 414,401 | A | 87,304 | M | 121,313 | M | 228,528 | M |
| Number of light bulbs using a motion detector | | | | | | | | | | | | | | |
| One | 1,142,858 | A | 55,300 | M | 241,372 | M | 436,568 | A | 84,786 | A | 190,919 | M | 133,912 | M |
| Two to three | 1,294,079 | A | 84,604 | A | 239,210 | M | 452,488 | A | 105,207 | A | 169,092 | M | 243,477 | M |
| More than three | 315,403 | A | – | U | – | U | 140,708 | M | – | U | – | U | 52,941 | M |
| None | 9,008,225 | A | 679,829 | A | 2,354,697 | A | 3,356,575 | A | 594,237 | A | 973,678 | A | 1,049,211 | A |
| Don't know | 235,322 | M | – | U | – | U | 104,273 | M | – | U | – | U | – | U |
| Not stated | 1,603,234 | A | 114,116 | A | 477,260 | A | 572,868 | A | 79,505 | M | 61,207 | M | 298,278 | M |
| Number of light bulbs using a light sensor | | | | | | | | | | | | | | |
| One | 603,984 | A | 19,975 | M | 121,428 | M | 242,490 | M | 65,147 | M | – | U | – | U |
| Two to three | 525,680 | A | 25,714 | M | 131,717 | M | 194,422 | M | – | U | – | U | – | U |
| More than three | 93,652 | A | – | U | – | U | – | U | – | U | – | U | – | U |
| None | 10,066,320 | A | 744,048 | A | 2,585,131 | A | 3,702,149 | A | 688,963 | A | 1,133,267 | A | 1,212,762 | A |
| Don't know | 245,527 | M | – | U | – | U | 108,599 | M | – | U | – | U | – | U |
| Not stated | 2,063,957 | A | 157,355 | A | 499,385 | A | 773,668 | A | 102,768 | A | 140,624 | M | 390,157 | M |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 12.3 – Lighting controls (2/2)

| Number of households by heated area (excluding garage) | | | | | | | |
|---|--|---|--|---|---|--|--|
| | 56 square metres or less (600 square feet or less) | 56 to 93 square metres (601 to 1,000 square feet) | 93 to 139 square metres (1,001 to 1,500 square feet) | 139 to 186 square metres (1,501 to 2,000 square feet) | 186 to 232 square metres (2,001 to 2,500 square feet) | 232 or more square metres (2,501 or more square feet) | |
| Number of light bulbs using a programmable timer control | | | | | | | |
| One | – U | – U | 126,565 M | 140,301 A | 164,096 A | 225,652 M | |
| Two to three | – U | – U | 38,476 M | 79,848 M | 156,087 M | 290,022 A | |
| More than three | – U | – U | – U | – U | 51,107 M | 303,481 M | |
| None | 733,174 A | 1,796,925 A | 1,604,499 A | 1,996,097 A | 1,690,194 A | 2,585,935 A | |
| Don't know | – U | – U | – U | – U | – U | – U | |
| Not stated | – U | 173,157 M | 186,865 M | 155,762 M | 275,233 M | 311,100 M | |
| Number of light bulbs using a motion detector | | | | | | | |
| One | – U | – U | 103,921 M | 211,027 A | 319,893 A | 414,983 A | |
| Two to three | – U | – U | 121,192 M | 284,241 M | 230,380 A | 617,825 A | |
| More than three | – U | – U | – U | 71,898 M | 73,629 M | 141,422 M | |
| None | 628,255 A | 1,697,549 A | 1,487,469 A | 1,642,335 A | 1,419,524 A | 2,133,094 A | |
| Don't know | – U | – U | – U | – U | – U | 69,384 M | |
| Not stated | – U | 345,399 M | 245,649 M | 213,391 A | 306,737 A | 405,976 A | |
| Number of light bulbs using a light sensor | | | | | | | |
| One | – U | – U | 56,978 M | 96,807 M | 165,342 M | 210,770 M | |
| Two to three | – U | – U | – U | 108,262 M | 139,145 M | 161,361 M | |
| More than three | – U | – U | – U | – U | – U | 61,496 M | |
| None | 647,027 A | 1,712,120 A | 1,530,294 A | 1,911,868 A | 1,632,173 A | 2,632,838 A | |
| Don't know | – U | – U | – U | – U | – U | – U | |
| Not stated | – U | 348,275 M | 286,947 A | 291,565 A | 396,885 A | 655,798 A | |

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 13



Air quality

Table 13.1 – Air quality improvement in the dwelling (1/4)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|-----------|---|-----------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| Improvement made to the air quality by ... | | | | | | | | | | | | | | |
| Opening windows more often to increase air circulation | | | | | | | | | | | | | | |
| Yes | 12,042,327 | A | 887,070 | A | 3,122,657 | A | 4,497,466 | A | 785,769 | A | 1,196,191 | A | 1,553,174 | A |
| No | 697,508 | A | 53,025 | A | 99,696 | M | 356,280 | A | 56,700 | M | 66,785 | M | 65,023 | M |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Turning on a floor or ceiling fan to increase air circulation | | | | | | | | | | | | | | |
| Yes | 8,022,694 | A | 653,098 | A | 2,037,840 | A | 3,188,891 | A | 491,635 | A | 760,999 | A | 890,231 | A |
| No | 4,717,141 | A | 286,997 | A | 1,184,513 | A | 1,664,856 | A | 350,834 | A | 501,976 | A | 727,966 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Using an air conditioner more frequently | | | | | | | | | | | | | | |
| Yes | 1,685,378 | A | 58,446 | M | 439,130 | A | 877,168 | A | 140,645 | A | 77,637 | M | - | U |
| No | 11,054,457 | A | 881,648 | A | 2,783,222 | A | 3,976,578 | A | 701,824 | A | 1,185,338 | A | 1,525,846 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Using a dehumidifier | | | | | | | | | | | | | | |
| Yes | 3,925,807 | A | 397,764 | A | 1,109,998 | A | 1,875,238 | A | 277,564 | A | 113,306 | M | 151,937 | M |
| No | 8,814,028 | A | 542,331 | A | 2,112,355 | A | 2,978,508 | A | 564,905 | A | 1,149,670 | A | 1,466,259 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Using a humidifier | | | | | | | | | | | | | | |
| Yes | 2,951,379 | A | 100,103 | A | 426,118 | A | 1,493,518 | A | 187,702 | A | 525,940 | A | 217,999 | M |
| No | 9,788,456 | A | 839,992 | A | 2,796,234 | A | 3,360,229 | A | 654,768 | A | 737,036 | A | 1,400,197 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Using an air cleaning system (excluding ionizing systems) | | | | | | | | | | | | | | |
| Yes | 1,643,899 | A | 142,359 | A | 552,848 | A | 593,947 | A | 115,311 | A | 100,180 | M | - | U |
| No | 11,095,936 | A | 797,735 | A | 2,669,504 | A | 4,259,799 | A | 727,158 | A | 1,162,795 | A | 1,478,944 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Using higher quality filters in the furnace | | | | | | | | | | | | | | |
| Yes | 3,152,233 | A | 78,609 | M | 173,037 | A | 1,774,583 | A | 288,387 | A | 504,294 | A | 333,323 | M |
| No | 9,587,602 | A | 861,486 | A | 3,049,315 | A | 3,079,164 | A | 554,082 | A | 758,682 | A | 1,284,873 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Using the furnace or a heat recovery ventilation (HRV) system to increase air circulation | | | | | | | | | | | | | | |
| Yes | 3,184,702 | A | 199,991 | A | 634,852 | A | 1,505,954 | A | 264,712 | A | 311,292 | A | 267,903 | M |
| No | 9,555,133 | A | 740,104 | A | 2,587,501 | A | 3,347,793 | A | 577,757 | A | 951,684 | A | 1,350,294 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | - |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 13.1 – Air quality improvement in the dwelling (2/4)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| Improvement made to the air quality by ... | | | | | | |
| Opening windows more often to increase air circulation | | | | | | |
| Yes | 7,236,138 A | 1,564,993 A | 1,907,835 A | 874,569 A | 145,460 M | |
| No | 464,929 A | 72,080 M | – U | – U | – U | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Turning on a floor or ceiling fan to increase air circulation | | | | | | |
| Yes | 5,052,409 A | 1,008,440 A | 1,241,433 A | 447,815 A | 91,733 M | |
| No | 2,648,658 A | 628,632 A | 732,702 A | 494,011 A | – U | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Using an air conditioner more frequently | | | | | | |
| Yes | 1,021,045 A | 250,972 M | 185,033 M | 168,833 M | – U | |
| No | 6,680,022 A | 1,386,100 A | 1,789,102 A | 772,993 A | 133,270 M | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Using a dehumidifier | | | | | | |
| Yes | 3,137,104 A | 403,472 A | 152,516 M | – U | – U | |
| No | 4,563,963 A | 1,233,600 A | 1,821,619 A | 807,960 A | 146,846 M | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Using a humidifier | | | | | | |
| Yes | 2,024,333 A | 362,814 A | 228,338 A | 225,930 M | – U | |
| No | 5,676,734 A | 1,274,258 A | 1,745,797 A | 715,897 A | 125,534 M | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Using an air cleaning system (excluding ionizing systems) | | | | | | |
| Yes | 1,119,991 A | 189,904 M | 149,278 M | 149,606 M | – U | |
| No | 6,581,076 A | 1,447,168 A | 1,824,857 A | 792,221 A | 151,970 M | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Using higher quality filters in the furnace | | | | | | |
| Yes | 2,636,749 A | 328,559 A | – U | – U | – U | |
| No | 5,064,318 A | 1,308,513 A | 1,918,244 A | 912,493 A | 126,153 M | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |
| Using the furnace or a heat recovery ventilation (HRV) system to increase air circulation | | | | | | |
| Yes | 2,522,060 A | 337,126 M | 167,001 M | – U | – U | |
| No | 5,179,007 A | 1,299,946 A | 1,807,134 A | 883,937 A | 132,098 M | |
| Don't know | – U | – U | – – | – – | – – | |
| Not stated | 512,878 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 13.1 – Air quality improvement in the dwelling (3/4)

| | Number of households by region | | | | | | | | | | | | | |
|--|--------------------------------|----------|---------|---------|---------------------------|---------|---------------------|---|---------|---|-----------|---|-----------|---|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | | | | | | | |
| During the winter season, how often do you open a window to allow fresh air into your dwelling? | | | | | | | | | | | | | | |
| Every day | 3,840,721 | A | 188,475 | A | 965,152 | A | 1,457,826 | A | 134,605 | A | 235,530 | A | 859,134 | A |
| At least once a week | 3,511,873 | A | 288,526 | A | 975,215 | A | 1,263,821 | A | 166,865 | A | 339,613 | A | 477,833 | A |
| A few times during the season | 3,232,296 | A | 311,688 | A | 869,327 | A | 1,216,653 | A | 274,902 | A | 419,976 | A | 139,750 | M |
| Never | 1,426,472 | A | 97,605 | A | 306,996 | A | 551,490 | A | 208,122 | A | 186,564 | M | 75,695 | M |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 859,286 | A | – | U | – | U | 209,732 | M | – | U | – | U | – | U |
| During the summer season, how often do you open a window to allow fresh air into your dwelling? | | | | | | | | | | | | | | |
| Every day | 9,855,777 | A | 772,777 | A | 2,665,699 | A | 3,280,704 | A | 623,673 | A | 1,061,998 | A | 1,450,926 | A |
| At least once a week | 1,666,819 | A | 79,874 | A | 346,394 | A | 935,868 | A | 123,964 | A | 87,798 | M | – | U |
| A few times during the season | 390,500 | A | – | U | – | U | 220,357 | A | – | U | – | U | – | U |
| Never | 109,041 | M | – | U | – | U | – | U | – | U | – | U | – | U |
| Don't know | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | 859,478 | A | – | U | – | U | 209,732 | M | – | U | – | U | – | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 13.1 – Air quality improvement in the dwelling (4/4)

| | Number of households by type of dwelling ¹ | | | | | |
|--|---|-------------------|---------------------|----------------------|--------------|--|
| | Single detached houses | Double/row houses | Low-rise apartments | High-rise apartments | Mobile homes | |
| During the winter season, how often do you open a window to allow fresh air into your dwelling? | | | | | | |
| Every day | 1,919,951 A | 471,015 A | 861,540 A | 499,056 A | – U | |
| At least once a week | 2,115,178 A | 457,299 A | 589,104 A | 200,498 M | – U | |
| A few times during the season | 2,156,897 A | 494,898 A | 316,475 A | 122,636 M | – U | |
| Never | 1,035,711 A | 135,920 M | 133,666 M | – U | – U | |
| Don't know | – U | – U | – U | – – | – U | |
| Not stated | 529,529 A | – U | – U | – U | – U | |
| During the summer season, how often do you open a window to allow fresh air into your dwelling? | | | | | | |
| Every day | 5,790,487 A | 1,238,637 A | 1,705,365 A | 744,120 A | 114,566 M | |
| At least once a week | 1,097,971 A | 284,056 M | 141,432 M | – U | – U | |
| A few times during the season | 281,096 A | – U | – U | – U | – U | |
| Never | 59,511 M | – U | – U | – U | – U | |
| Don't know | – U | – U | – U | – U | – – | |
| Not stated | 529,721 A | – U | – U | – U | – U | |

¹ Does not include the "Don't know/not stated" category.

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Section 14



Outdoor equipment

Table 14.1 – Outdoor equipment (1/4)

| | Number of households by region | | | | | | | | | | | | | |
|---|--------------------------------|---|----------|---|-----------|---|-----------|---|---------------------------|---|-----------|---|---------------------|---|
| | Canada | | Atlantic | | Quebec | | Ontario | | Manitoba/ Saskatchewan | | Alberta | | British Columbia | |
| Household owned any recreational vehicles | | | | | | | | | | | | | | |
| Yes | 2,485,356 | A | 266,930 | A | 596,058 | A | 792,462 | A | 201,681 | A | 258,727 | A | 369,497 | M |
| No | 10,279,444 | A | 673,165 | A | 2,626,294 | A | 4,088,211 | A | 640,788 | A | 1,004,249 | A | 1,246,737 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Household owned an all-terrain vehicle (ATV) | | | | | | | | | | | | | | |
| Yes | 1,234,249 | A | 189,923 | A | 377,925 | A | 266,754 | A | 102,003 | A | 128,090 | M | 169,554 | M |
| No | 11,530,551 | A | 750,172 | A | 2,844,427 | A | 4,613,919 | A | 740,467 | A | 1,134,885 | A | 1,446,681 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Household owned a snowmobile | | | | | | | | | | | | | | |
| Yes | 651,773 | A | 110,391 | A | 167,808 | M | 195,611 | M | 70,691 | A | - | U | - | U |
| No | 12,113,026 | A | 829,703 | A | 3,054,544 | A | 4,685,062 | A | 771,778 | A | 1,192,694 | A | 1,579,244 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Household owned a dirt bike or motocross motorcycle | | | | | | | | | | | | | | |
| Yes | 392,653 | A | 36,960 | M | - | U | 153,765 | M | 38,078 | M | - | U | - | U |
| No | 12,372,147 | A | 903,134 | A | 3,172,397 | A | 4,726,909 | A | 804,391 | A | 1,211,216 | A | 1,554,100 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Household owned a personal watercraft (for example a Sea-Doo or Jet Ski) | | | | | | | | | | | | | | |
| Yes | 185,420 | A | - | U | - | U | 100,526 | M | - | U | - | U | - | U |
| No | 12,579,380 | A | 919,014 | A | 3,215,136 | A | 4,780,147 | A | 824,452 | A | 1,241,053 | A | 1,599,578 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Household owned a motorboat | | | | | | | | | | | | | | |
| Yes | 1,189,644 | A | 93,535 | A | 205,887 | M | 432,624 | A | 112,352 | A | 120,034 | M | 225,212 | M |
| No | 11,575,156 | A | 846,559 | A | 3,016,466 | A | 4,448,049 | A | 730,118 | A | 1,142,942 | A | 1,391,022 | A |
| Don't know | - | U | - | - | - | - | - | U | - | - | - | - | - | U |
| Not stated | 823,791 | A | - | U | - | U | 174,237 | M | - | U | - | U | - | U |
| Household used a snow blower, lawn mower, grass trimmer, or leaf blower | | | | | | | | | | | | | | |
| Yes | 8,221,786 | A | 700,182 | A | 1,832,290 | A | 3,249,129 | A | 572,969 | A | 1,004,784 | A | 862,433 | A |
| No | 1,057,769 | A | 79,187 | M | 220,543 | M | 382,066 | A | 44,519 | M | 47,237 | M | 284,216 | M |
| Not stated | 847,877 | A | - | U | - | U | 191,895 | M | - | U | - | U | - | U |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 14.1 – Outdoor equipment (2/4)

| | Number of households by household income ¹ | | | | | | | |
|---|---|--------------------------------|--------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------|--|
| | Less than \$20,000 | \$20,000 to less than \$40,000 | \$40,000 to less than \$60,000 | \$60,000 to less than \$80,000 | \$80,000 to less than \$100,000 | \$100,000 to less than \$150,000 | \$150,000 and over | |
| Household owned any recreational vehicles | | | | | | | | |
| Yes | 61,176 M | 182,536 A | 322,147 A | 401,181 A | 286,701 M | 445,144 A | 408,454 A | |
| No | 727,029 A | 1,845,780 A | 1,499,024 A | 1,332,246 A | 1,014,337 A | 1,253,971 A | 933,283 A | |
| Don't know | - U | - - | - - | - - | - - | - - | - - | |
| Not stated | - - | - - | - - | - - | - - | - - | - - | |
| Household owned an all-terrain vehicle (ATV) | | | | | | | | |
| Yes | - U | 113,526 M | 164,104 A | 215,109 M | 153,438 M | 205,818 M | 158,720 M | |
| No | 747,785 A | 1,914,790 A | 1,657,068 A | 1,518,318 A | 1,147,599 A | 1,493,297 A | 1,183,017 A | |
| Don't know | - U | - - | - - | - - | - - | - - | - - | |
| Not stated | - - | - - | - - | - - | - - | - - | - - | |
| Household owned a snowmobile | | | | | | | | |
| Yes | - U | 58,173 M | 96,207 M | 92,766 M | 58,373 M | 120,778 M | 91,288 M | |
| No | 785,115 A | 1,970,143 A | 1,724,964 A | 1,640,660 A | 1,242,664 A | 1,578,337 A | 1,250,449 A | |
| Don't know | - U | - - | - - | - - | - - | - - | - - | |
| Not stated | - - | - - | - - | - - | - - | - - | - - | |
| Household owned a dirt bike or motocross motorcycle | | | | | | | | |
| Yes | - U | - U | - U | - U | 59,698 M | 102,913 M | 76,409 M | |
| No | 788,043 A | 2,016,955 A | 1,793,989 A | 1,659,113 A | 1,241,339 A | 1,596,202 A | 1,265,327 A | |
| Don't know | 8,569 U | - - | - - | - - | - - | - - | - - | |
| Not stated | - - | - - | - - | - - | - - | - - | - - | |
| Household owned a personal watercraft (for example a Sea-Doo or Jet Ski) | | | | | | | | |
| Yes | - U | - U | - U | - U | - U | - U | 52,567 M | |
| No | 780,274 A | 2,026,226 A | 1,813,027 A | 1,714,974 A | 1,281,296 A | 1,668,178 A | 1,289,170 A | |
| Don't know | - U | - - | - - | - - | - - | - - | - - | |
| Not stated | - - | - - | - - | - - | - - | - - | - - | |
| Household owned a motorboat | | | | | | | | |
| Yes | - U | 62,703 M | 148,424 M | 176,672 M | 115,864 M | 239,771 A | 227,635 M | |
| No | 771,889 A | 1,965,612 A | 1,672,747 A | 1,556,755 A | 1,185,173 A | 1,459,343 A | 1,114,102 A | |
| Don't know | - U | - - | - - | - - | - - | - - | - - | |
| Not stated | - - | - - | - - | - - | - - | - - | - - | |
| Household used a snow blower, lawn mower, grass trimmer, or leaf blower | | | | | | | | |
| Yes | 250,310 A | 842,874 A | 1,116,672 A | 1,212,913 A | 903,064 A | 1,397,698 A | 1,074,635 A | |
| No | - U | 331,851 M | 87,631 M | 100,827 M | - U | 109,197 M | 68,846 M | |
| Not stated | - U | - U | - U | - U | - - | - U | - U | |

¹ Does not include the "Not stated" category.

The letter beside each estimate classifies its quality as follows: A – Acceptable, M – Use with caution, U – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 14.1 – Outdoor equipment (3/4)

| | Number of households by region | | | | | | | |
|---------------------------------------|--------------------------------|-----------|-------------|-------------|---------------------------|-----------|---------------------|--|
| | Canada | Atlantic | Quebec | Ontario | Manitoba/ Saskatchewan | Alberta | British Columbia | |
| Household used a lawn mower | | | | | | | | |
| Yes – any type of engine | 7,859,375 A | 661,237 A | 1,766,283 A | 3,133,828 A | 539,543 A | 957,534 A | 800,951 A | |
| Yes – gas engine | 6,179,466 A | 603,189 A | 1,430,786 A | 2,342,801 A | 439,757 A | 717,371 A | 645,562 A | |
| Yes – electric engine | 1,105,396 A | 31,790 M | 243,250 A | 513,834 A | 71,926 M | 148,409 M | 96,187 M | |
| Yes – manual (push reel) | 362,839 A | – U | – U | 217,186 M | – U | – U | – U | |
| Yes – more than 1 type of engine | 211,674 A | – U | – U | 60,007 M | – U | – U | – U | |
| Did not use a lawn mower | 1,303,586 A | 107,457 A | 254,708 M | 474,245 A | 59,244 M | 83,831 M | 324,100 M | |
| Don't know | – U | – U | – U | – U | – | – | – | |
| Not stated | 824,541 A | – U | – U | 174,237 M | – U | – U | – U | |
| Household used a grass trimmer | | | | | | | | |
| Yes – any type of engine | 6,188,108 A | 525,469 A | 1,427,211 A | 2,416,675 A | 383,005 A | 766,283 A | 669,465 A | |
| Yes – gas engine | 2,874,266 A | 342,683 A | 651,032 A | 1,090,674 A | 162,644 A | 270,228 A | 357,005 M | |
| Yes – electric engine | 3,185,969 A | 168,115 A | 730,207 A | 1,292,384 A | 211,585 A | 489,833 A | 293,845 A | |
| Yes – more than 1 type of engine | 127,872 M | – U | – U | 33,617 M | – U | – U | – U | |
| Did not use a grass trimmer | 2,927,839 A | 242,755 A | 585,766 A | 1,170,013 A | 211,977 A | 267,965 A | 449,363 A | |
| Don't know | 53,562 M | – U | – U | – U | – U | – U | – U | |
| Not stated | 834,832 A | – U | – U | 183,329 M | – U | – U | – U | |
| Household used a leaf blower | | | | | | | | |
| Yes – any type of engine | 1,742,383 A | 57,133 A | 369,413 A | 757,674 A | 138,120 A | 195,031 A | 225,012 M | |
| Yes – gas engine | 555,226 A | 33,842 M | 133,278 M | 203,179 A | 28,839 M | – U | – U | |
| Yes – electric engine | 1,166,992 A | 22,904 M | 231,971 A | 544,539 A | 109,281 A | 137,960 M | 120,337 M | |
| Yes – more than 1 type of engine | – U | – U | – U | – U | – | – U | – U | |
| Did not use a leaf blower | 7,418,179 A | 712,931 A | 1,661,553 A | 2,839,203 A | 459,811 A | 845,159 A | 899,522 A | |
| Don't know | – U | – U | – | – U | – U | – U | – U | |
| Not stated | 828,441 A | – U | – U | 177,285 M | – U | – U | – U | |
| Household used a chain saw | | | | | | | | |
| Yes – any type of engine | 2,013,621 A | 278,288 A | 435,797 A | 633,399 A | 195,568 A | 233,405 A | 237,164 A | |
| Yes – gas engine | 1,643,734 A | 258,855 A | 331,101 A | 503,351 A | 164,056 A | 206,510 M | 179,862 M | |
| Yes – electric engine | 295,455 A | – U | 84,450 M | 112,013 M | – U | – U | 41,559 M | |
| Yes – more than 1 type of engine | 74,431 M | – U | – U | – U | – U | – U | – U | |
| Did not use a chain saw | 7,805,756 A | 527,684 A | 1,757,098 A | 3,189,022 A | 447,584 A | 878,567 A | 1,005,801 A | |
| Don't know | – U | – U | – U | – U | – | – U | – | |
| Not stated | 845,835 A | – U | – U | 191,142 M | – U | – U | – U | |
| Household used a snow blower | | | | | | | | |
| Yes – any type of engine | 3,062,634 A | 312,361 A | 774,178 A | 1,393,964 A | 245,468 A | 244,589 A | 92,074 M | |
| Yes – gas engine | 2,880,038 A | 306,180 A | 750,408 A | 1,287,271 A | 231,415 A | 217,289 A | 87,474 M | |
| Yes – electric engine | 167,971 M | – U | – U | 98,159 M | – U | – U | – U | |
| Yes – more than 1 type of engine | – U | – U | – U | – U | – U | – | – | |
| Did not use a snow blower | 6,750,598 A | 495,207 A | 1,411,135 A | 2,426,628 A | 398,290 A | 868,449 A | 1,150,891 A | |
| Don't know | – U | – U | – U | – U | – U | – U | – | |
| Not stated | 824,977 A | – U | – U | 174,237 M | – U | – U | – U | |

The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.
Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Table 14.1 – Outdoor equipment (4/4)

| | Number of households by household income ¹ | | | | | | | | | | | | | |
|---------------------------------------|---|--------------------------------|--------------------------------|--------------------------------|---------------------------------|----------------------------------|--------------------|---|---------|---|-----------|---|-----------|---|
| | Less than \$20,000 | \$20,000 to less than \$40,000 | \$40,000 to less than \$60,000 | \$60,000 to less than \$80,000 | \$80,000 to less than \$100,000 | \$100,000 to less than \$150,000 | \$150,000 and over | | | | | | | |
| Household used a lawn mower | | | | | | | | | | | | | | |
| Yes – any type of engine | 230,575 | A | 786,249 | A | 1,076,573 | A | 1,178,869 | A | 852,822 | A | 1,344,897 | A | 1,019,625 | A |
| Yes – gas engine | 172,880 | A | 623,001 | A | 839,578 | A | 895,392 | A | 689,742 | A | 1,095,250 | A | 797,358 | A |
| Yes – electric engine | – | U | 128,101 | M | 127,298 | M | 203,771 | M | 115,635 | M | 177,589 | A | 125,595 | M |
| Yes – manual (push reel) | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Yes – more than 1 type of engine | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Did not use a lawn mower | 83,611 | M | 368,825 | M | 115,929 | M | 124,518 | M | 149,369 | M | 146,912 | M | 116,126 | M |
| Don't know | – | – | – | U | – | U | – | U | – | U | – | – | – | – |
| Not stated | – | U | – | – | – | – | – | – | – | – | – | – | – | – |
| Household used a grass trimmer | | | | | | | | | | | | | | |
| Yes – any type of engine | 151,245 | A | 622,136 | A | 765,631 | A | 934,829 | A | 684,299 | A | 1,129,066 | A | 885,517 | A |
| Yes – gas engine | 60,629 | M | 303,661 | A | 343,132 | A | 386,806 | A | 321,489 | A | 565,112 | A | 405,906 | A |
| Yes – electric engine | 86,777 | M | 312,603 | A | 390,726 | A | 536,942 | A | 353,467 | A | 551,615 | A | 459,562 | A |
| Yes – more than 1 type of engine | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Did not use a grass trimmer | 162,942 | M | 530,713 | M | 417,984 | A | 361,109 | A | 312,034 | M | 349,321 | A | 246,162 | A |
| Don't know | – | – | – | U | – | U | – | U | – | U | – | U | – | U |
| Not stated | – | U | – | U | – | U | – | – | – | U | – | U | – | U |
| Household used a leaf blower | | | | | | | | | | | | | | |
| Yes – any type of engine | – | U | 163,704 | M | 184,346 | A | 193,399 | A | 187,562 | A | 344,663 | A | 270,202 | A |
| Yes – gas engine | – | U | – | U | 53,451 | M | 54,638 | M | – | U | 113,936 | M | 82,077 | M |
| Yes – electric engine | – | U | 66,926 | A | 128,153 | M | 138,374 | A | 147,049 | M | 225,538 | A | 187,747 | A |
| Yes – more than 1 type of engine | – | – | – | U | – | U | – | U | – | U | – | U | – | U |
| Did not use a leaf blower | 288,880 | A | 993,941 | A | 1,007,712 | A | 1,108,039 | A | 816,179 | A | 1,146,293 | A | 865,548 | A |
| Don't know | – | – | – | U | – | U | – | U | – | – | – | – | – | – |
| Not stated | – | U | – | U | – | – | – | – | – | – | – | U | – | – |
| Household used a chain saw | | | | | | | | | | | | | | |
| Yes – any type of engine | 44,391 | M | 197,499 | A | 293,540 | A | 339,818 | A | 200,327 | A | 314,369 | A | 281,196 | A |
| Yes – gas engine | 37,116 | M | 144,453 | M | 245,302 | A | 278,910 | A | 160,773 | A | 266,059 | A | 245,981 | A |
| Yes – electric engine | – | U | – | U | 30,463 | M | – | U | – | U | – | U | – | U |
| Yes – more than 1 type of engine | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Did not use a chain saw | 288,631 | A | 1,060,454 | A | 967,849 | A | 1,020,020 | A | 872,438 | A | 1,260,224 | A | 952,592 | A |
| Don't know | – | – | – | U | – | U | – | U | – | U | – | U | – | – |
| Not stated | – | U | – | U | – | U | – | U | – | – | – | – | – | U |
| Household used a snow blower | | | | | | | | | | | | | | |
| Yes – any type of engine | 95,593 | M | 270,731 | A | 421,957 | A | 428,028 | A | 308,949 | A | 550,952 | A | 388,315 | A |
| Yes – gas engine | 80,155 | M | 258,575 | A | 413,242 | A | 382,884 | A | 300,368 | A | 504,853 | A | 376,928 | A |
| Yes – electric engine | – | U | – | U | – | U | – | U | – | U | – | U | – | U |
| Yes – more than 1 type of engine | – | – | – | U | – | U | – | U | – | U | – | U | – | U |
| Did not use a snow blower | 237,430 | A | 985,874 | A | 843,915 | A | 946,212 | A | 762,823 | A | 1,024,777 | A | 846,364 | A |
| Don't know | – | – | – | U | – | U | – | U | – | U | – | – | – | U |
| Not stated | – | U | – | – | – | – | – | – | – | – | – | U | – | – |

¹ Does not include the "Not stated" category.The letter beside each estimate classifies its quality as follows: **A** – Acceptable, **M** – Use with caution, **U** – Too unreliable to be published.

Due to rounding, the numbers may not add up and may differ slightly among tables. Source: 2011 Survey of Household Energy Use

Appendix A



Methodology

1.0 Data validation and merging

1.1 Background

The Households and the Environment Survey (HES) data were collected in two separate phases.

In Phase One, survey data were collected through computer-assisted telephone interviews with household owners and renters. This phase was the first part of the HES. The HES questionnaire covered a range of topics including household energy use, recycling, composting, indoor environment, recreational vehicles and outdoor equipment, purchasing decisions, and air quality.

This detailed statistical report presents only HES data concerning energy use. For more information on the HES, contact Statistics Canada.

Phase Two focused on the factors affecting energy use in households. In this phase, data were obtained either through a paper mail-back questionnaire sent to dwelling owners and renters or through the energy supplier(s) for the household. The content of this phase included questions on the dwelling characteristics, household appliances, electrical devices, heating and cooling equipment and amounts of energy consumed by the household.

Phase Two, conducted by Statistics Canada on behalf of Natural Resources Canada (NRCan), is referred to as the Households and the Environment Survey: Energy Use. For the purposes of this report, Phase Two and the energy use-related questions from Phase One are referred to as SHEU–2011.

Data from both phases are assumed to be for the calendar year 2011.

Data estimates contained in this report represent a merging of data from both phases. The merging of data was performed by NRCan in an effort to improve the data estimates for SHEU–2011.

1.2 Data validation

Since the same sample of households responded to both phases of the survey, it was assumed that the responses to common question variables from both phases would generally be consistent. However, data validation revealed that there were significant inconsistencies in household responses between the two phases as well as within an individual phase for common question variables.

An example of an inconsistency between phases is when a household responded in Phase One that their main heating equipment was a natural gas furnace, but responded “don’t know” in Phase Two for their main heating equipment and “not stated” for the energy source.

An example of an inconsistency within an individual phase is when a household responded in Phase Two that they “do not use a computer in [their] dwelling,” but “not stated” for the number of computers used and “5 years or less” for the age of the most frequently used computer.

1.3 Data merging

The inconsistencies found in the SHEU–2011 data were addressed during the data merging process using logic flows.

An example of a logic flow to address an inconsistency between phases is accepting a “certain” response over an “uncertain” response (i.e. “don’t know” and “not stated”). For instance, if a household responded in Phase One that their main heating equipment was a natural gas furnace, but responded “don’t know” in Phase Two for their main heating equipment and “not stated” for the energy source, the data merging would code the household as having a natural gas furnace. In this example, the “certain” response of natural gas furnace is accepted over the “uncertain” response of “don’t know” for the main heating equipment and “not stated” for the energy source.

An example of a logic flow to address an inconsistency within an individual phase is determining a topic entry question and either permitting or not permitting responses to follow-up questions based on the response to the topic entry question. For instance, if a household responded in Phase Two that they “do not use a computer in [their] dwelling” but “not stated” for the number of computers used and “5 years or less” for the age of the most frequently used computer, the data merging would code the household as “do not use a computer in [their] dwelling,” and the number of computers used would be coded as zero with a valid skip for the age of the most frequently used computer. In this example, the question “do you use a computer in your dwelling” was determined to be the topic entry question for computers. A negative response to this question does not permit the household to respond to any follow-up computer questions, whereas a positive response would have permitted a household to respond to follow-up computer questions.

Generally, for common question variables, Phase Two responses were accepted over Phase One unless a topic entry question in Phase One produced significantly fewer “uncertain” responses.

The data presented in this report represent data estimates from the final SHEU–2011 database (i.e. post data validation and merging).

For more information on the data validation and merging process, contact NRCan.

2.0 Households and the Environment Survey: Energy Use Supplement, 2011

2.1 Background

The 2011 version of the Households and the Environment Survey (HES) was conducted in two parts: first a short telephone interview was conducted as a supplement to the Canadian Community Health Survey (CCHS). The content of the telephone survey focused on the household’s behaviours and practices in relation to the environment.

The telephone interview was followed by a mail-out/mail-back HES–Energy Use Supplement (with an online option as well).

The objective of the HES–Energy Use Supplement is to provide NRCan with information on energy use for Canadian households.

The supplement included questions on the dwelling characteristics, household appliances, electrical devices, heating and cooling equipment and amounts of energy consumed by the household during the 2011 calendar year.

The HES–Energy Use Supplement profiles

- the use of selected energy-consuming equipment and appliances
- energy-related characteristics of dwellings
- household demographics
- patterns of behaviour related to consumption
- amounts of energy consumed during the reference period

Data on the age and size of the dwelling, dwelling conditions, improvements, types of heating and cooling equipment were also collected in this survey.

The HES–Energy Use Supplement data will allow NRCan’s Office of Energy Efficiency to determine average household energy intensity levels (amount of energy used in a certain area) and compare the intensity levels of different types of houses and house areas, ages and storeys, within different population centres, etc. These data can also be broken down into energy source subcategories for efficiency comparisons.

As a result, the data will allow NRCan to

- improve its understanding of household energy use (trends)
- assess energy efficiency potential in the residential sector
- analyze and better understand the effects of energy efficiency measures being considered for the future
- review existing energy efficiency programs
- assist with the implementation of energy consumption regulations for household appliances. The regulations set minimum performance standards to eliminate less energy-efficient products from the market.

In addition, the HES–Energy Use Supplement data will be used to determine where future policy should be directed to improve Canada’s energy efficiency to help consumers save money and better the environment.

2.2 Objectives

The objectives of the HES–Energy Use Supplement were to collect data on the energy use characteristics and energy consumption for occupied dwellings in Canada. The energy use, coupled with discrete energy consumption obtained from respondents’ energy bills or obtained directly from energy suppliers can be used to assess the effectiveness of energy efficiency programs. The survey content also covers the following themes:

- dwelling characteristics
- household appliances
- electrical devices

- heating and air conditioning equipment
- energy consumption

Additionally, the information collected through the first phase of the survey that the respondent has agreed to share has been added to the energy use supplement file.

Phase One of the HES covers the following themes:

- basic dwelling and household characteristics
- heating equipment and energy conservation practices
- water use and water conservation practices
- use of fertilizers and pesticides
- recycling and composting activities
- household behaviours relating to air quality
- use of recreational vehicles and gasoline-powered equipment

This survey was conducted as a supplement to the CCHS for respondents who were interviewed between January and June 2011. For a detailed description of the Households and the Environment Survey 2011, see the HES 2011 *Microdata User Guide*.⁵

2.3 Survey methodology

The Households and the Environment Survey: Energy Use is a supplement to the Households and the Environment Survey (HES). First, the HES was administered from October 2011 to November 2011 to a subsample of the dwellings that were part of the CCHS that was conducted between January 1 and June 30, 2011. Second, all the HES respondents were sent a paper questionnaire for the energy use supplemental survey.

Since the HES sample design is closely tied to that of the CCHS, the next section briefly describes the CCHS sample design.

⁵ Statistics Canada. *Households and the Environment Survey: Public Use Microdata File*, Catalogue no. 16M0001XCB. Accompanying this product is a user guide and codebook.

2.3.1 Canadian Community Health Survey sample design

The CCHS data are collected from people aged 12 years and over living in private dwellings within the 10 provinces and three territories. Specifically excluded from the survey's coverage are residents of Indian Reserves and Crown land, full-time members of the Canadian Armed Forces, inmates of institutions and residents of isolated areas. The CCHS represents approximately 98% of the Canadian population aged 12 years and over.

To provide reliable estimates to the 115 Health Regions (HRs), and given the budget allocated to the 2011 CCHS, a sample of 63,500 respondents was desired. The sample allocation strategy consisting of three steps, gave relatively equal importance to the HRs and the provinces. In the first two steps, the sample was allocated among the provinces according to their respective populations and the number of HRs they contain. In the third step, each province's sample was allocated among its HRs proportionally to the square root of the estimated population in each HR.

The CCHS used three sampling frames to select the sample of households: 40.5% of the sample of households came from an area frame, 58.5% came from a list frame of telephone numbers and the remaining 1% came from a random digit dialling (RDD) sampling frame. For most of the health regions, 41% of the sample was selected from the area frame and 59% from the list frame of telephone numbers.

The CCHS used the area frame designed for the Canadian Labour Force Survey (LFS) as its primary frame. The sampling plan of the LFS is a multistage stratified cluster design in which the dwelling is the final sampling unit. In the first stage, homogeneous strata were formed and independent samples of clusters were drawn from each stratum. In the second stage, dwelling lists were prepared for each cluster and dwellings, or households, were selected from the lists.

For the purpose of the plan, each province is divided into three types of regions: major urban centres, cities and rural regions. Geographic or socio-economic strata are created within each major urban centre. Within the strata, dwellings are regrouped to create clusters. Some urban centres have separate strata for apartments or for census enumeration areas (EA) in which the average household income is high. In each stratum, six clusters or residential buildings (sometimes 12 or 18 apartments) are chosen by a random sampling method with a probability proportional to size (PPS), the size of which corresponds to the number of households. The number six was used throughout the sample design to allow a one-sixth rotation of the sample every month for the LFS.

The other cities and rural regions of each province are stratified first on a geographical basis, then according to socio-economic characteristics. In the majority of strata, six clusters (usually census EAs) are selected using the PPS method. Where there is low population density, a three-step plan is used whereby two or three primary sampling units (PSUs), which normally correspond to groups of EAs, are selected and divided into clusters, six of which are sampled. The final sample is obtained using a systematic sampling of dwellings.

2.3.2 Sample size by province for the Households and the Environment Survey – Energy Use

The Households and the Environment Survey (HES) sample consisted of a stratified random sample of the CCHS (January to June) responding dwellings. The sample for the HES supplement on energy use simply consisted of all the HES responding dwellings. Note that the information collected from the respondents who did not accept to share their data with the client, NRCan, does not appear in the microdata share file.

The following table shows the number of responding dwellings in the microdata share file of the 2011 HES–Energy Use.

Sample size

| Province | Dwellings |
|---------------------------|-------------|
| Newfoundland and Labrador | 248 |
| Prince Edward Island | 109 |
| Nova Scotia | 345 |
| New Brunswick | 372 |
| Quebec | 1099 |
| Ontario | 2203 |
| Manitoba | 429 |
| Saskatchewan | 329 |
| Alberta | 559 |
| British Columbia | 708 |
| Canada | 6401 |

2.4 Data collection

The respondents were first contacted between the months of January and June 2011 through the Canadian Community Health Survey. They were then surveyed for the telephone portion of the HES between the months of October and November 2011. Finally, responding households to the telephone portion of the survey were asked to complete a paper questionnaire on energy use. Data collection for the HES–Energy Use was carried out between January and April 2012.

The last step of the survey was to establish contact with the energy suppliers. Then, residential energy consumption for 2011 was collected directly from the suppliers in cases where the account holder had given their consent.

2.5 Data processing

This section presents a brief summary of the processing steps involved in the production of the final file.

2.5.1 Data capture

The data were captured using imaging and automated data entry technology. A small proportion of questionnaires, those that could not be read by the optical scanners, were captured using heads-down keying by experienced operators. Questionable zones method with standard quality control measures were used to verify the error rate of the capture operations. For the Households and the Environment Survey (HES), based on the quality control sample that was selected, it was determined that the overall data capture error rate did not exceed 0.1%.

2.5.2 Editing

The first type of error treated was errors in questionnaire flow, where questions that did not apply to the respondent (and should therefore not have been answered) were found to contain answers. In this case, a computer edit automatically eliminated superfluous data by following the flow of the questionnaire implied by answers to previous, and in some cases, subsequent questions.

The second type of error treated involved a lack of information in questions that should have been answered. For this type of error, a non-response or “not-stated” code was assigned to the item.

2.5.3 Coding of open-ended questions

A few data items on the questionnaire were reported in an open-ended format. These questions required coding for inclusion on the data file. The open-ended questions related to responses to “other” categories throughout the questionnaire.

2.5.4 Imputation

Imputation is the process that supplies valid values for those variables that have been identified for a change either because of invalid information or because of missing information. The new values are supplied in such a way as to preserve the underlying structure of the data and to ensure that the resulting records will pass all required edits. In other words, the objective is not to reproduce the true microdata values, but rather to establish internally consistent data records that yield good aggregate estimates.

We can distinguish between three types of non-response. Complete non-response is when the respondent does not provide the minimum set of answers. These records are dropped and accounted for in the weighting process. Item non-response is when the respondent does not provide an answer to one question, but goes on to the next question. These are usually handled using the “not stated” code or are imputed. Finally, partial non-response is when the respondent provides the minimum set of answers but does not finish the interview. These records can be handled like either complete non-response or multiple item non-response.

In the case of the HES–Energy Use Supplement, donor imputation was used to fill in missing data for some missing data item and partial non-response.

2.5.5 Creation of derived variables

A number of data items on the microdata file have been derived by combining items on the questionnaire in order to facilitate data analysis.

2.5.6 Weighting

The principle behind estimation in a probability sample is that each unit in the sample “represents,” besides itself, several other persons not in the sample. For example, in a simple random 2% sample of the population, each unit in the sample represents 50 units in the population.

The weighting phase is a step that calculates, for each record, what this number is. This weight appears on the microdata file and **must** be used to derive meaningful estimates from the survey.

2.6 Data quality

2.6.1 Response rates

The following table summarizes the response rates to the Canadian Community Health Survey (CCHS), to the Households and the Environment Survey (HES) and to the HES–Energy Use Supplement.

| Province | CCHS | | HES | | | HES–Energy Use | | |
|---------------------------|---------------------|---------------------|---------------------|-----------------------|----------------------|-----------------------|--------------------|----------------------|
| | Selected households | Response rate (%) * | Selected households | Responding households | Response rate (%) ** | Responding households | Sharing households | Sharing rate (%) *** |
| Newfoundland and Labrador | 1225 | 81.3 | 835 | 560 | 67.1 | 340 | 248 | 72.9 |
| Prince Edward Island | 612 | 80.7 | 373 | 247 | 66.2 | 141 | 109 | 77.3 |
| Nova Scotia | 1568 | 83.4 | 963 | 711 | 73.8 | 421 | 345 | 81.9 |
| New Brunswick | 1500 | 80.9 | 994 | 731 | 73.5 | 507 | 372 | 73.4 |
| Quebec | 8300 | 79.6 | 3490 | 2471 | 70.8 | 1462 | 1099 | 75.2 |
| Ontario | 15,067 | 79.6 | 6637 | 4594 | 69.2 | 2966 | 2203 | 74.3 |
| Manitoba | 2197 | 79.9 | 1332 | 927 | 69.6 | 592 | 429 | 72.5 |
| Saskatchewan | 2413 | 80.2 | 1074 | 724 | 67.4 | 442 | 329 | 74.4 |
| Alberta | 3826 | 76.3 | 1928 | 1365 | 70.8 | 705 | 559 | 79.3 |
| British Columbia | 5442 | 78.1 | 2374 | 1573 | 66.3 | 891 | 708 | 79.5 |
| Canada | 42,150 | 79.4 | 20,000 | 13,903 | 69.5 | 8467 | 6401 | 75.6 |

* The CCHS response rate is the number of CCHS responding households as a percentage of the number of CCHS selected households for the January 1 to June 30, 2011 period.

** The HES response rate is the number of HES responding households as a percentage of the number of HES selected households.

*** The HES–Energy Use Supplement response + share rate is the number of HES–Energy Use Supplement responding households who agreed to share their information with NRCan, as a percentage of the number of HES–Energy Use Supplement selected households.

2.6.2 Survey errors

The estimates derived from this survey are based on a sample of households. Somewhat different estimates might have been obtained if a complete census had been taken using the same questionnaire, interviewers, supervisors, processing methods, etc. as those actually used in the survey. The difference between the estimates obtained from the sample and those resulting from a complete count taken under similar conditions is called the sampling error of the estimate.

Errors that are not related to sampling may occur at almost every phase of a survey operation. Interviewers may misunderstand instructions, respondents may make errors in answering questions, the answers may be incorrectly entered on the questionnaire, and errors may be introduced in the processing and tabulation of the data. These are all examples of non-sampling errors.

Over a large number of observations, randomly occurring errors will have little effect on estimates derived from the survey. However, errors occurring systematically will contribute to biases in the survey estimates. Considerable time and effort were taken to reduce non-sampling errors in the survey.

Quality assurance measures were implemented at each step of the data collection and processing cycle to monitor the quality of the data. These measures include

- the use of highly skilled interviewers
- extensive training of interviewers with respect to the survey procedures and questionnaire
- observation of interviewers to detect problems of questionnaire design or misunderstanding of instructions
- procedures to ensure that data capture errors were minimized
- coding and edit quality checks to verify the processing logic

2.6.2.1 The frame

Because the 2011 HES (and indirectly the 2011 HES–Energy Use Supplement) was a supplement to the CCHS, the frame used was the CCHS frame. The CCHS frame was based on both the Labour Force Survey (LFS) area frame and a telephone frame including a random digit dialling component. The CCHS survey coverage was very good (98% of all households in Canada). It is unlikely that the 2% exclusion introduces any significant bias into the survey data.

2.6.2.2 Data collection

The survey used a mail-out/mail-back methodology for collection. Instructions and help text were provided for questions that needed clarifications and a help line was also set up to answer any questions the respondent may have with regard to completing the survey. Non-respondents to the mail-out portion of the survey were followed up by telephone for up to five attempts.

2.6.2.3 Data processing

Data processing of the HES–Energy Use Supplement was done in a number of steps including verification, coding, editing, imputation, estimation, etc. At each step a picture of the output files is taken and an easy verification can be made comparing files at the current and previous step.

2.6.2.4 Non-response

A major source of non-sampling errors in surveys is the effect of non-response on the survey results. The extent of non-response varies from partial non-response (failure to answer just one or some questions) to total non-response. Total non-response occurred because no member of the household living in the dwelling was able to provide the information, or the respondent refused to participate in the survey. Total non-response was handled by adjusting the weight of dwellings that responded to the survey to compensate for those who did not respond.

In most cases, partial non-response to the survey occurred when the respondent did not understand or misinterpreted a question, refused to answer a question, or could not recall the requested information.

In partial non-response cases, imputation was performed for certain variables (mainly the energy consumption variables) using various imputation methods:

- based on other data reported by the respondent himself/herself
- based on the data reported by other respondents with similar characteristics

Partial non-response occurred when energy consumption information was reported for most but not all days of the reference period. For example, if the electricity consumption was reported for the period January 6 to December 31, 2011, then the electricity consumption was imputed for the missing days, that is, January 1 to January 5 in this case. In such a case, missing days were imputed using the data that were reported by the respondent himself/herself for the other days of the reference period.

2.6.2.5 Measurement of sampling error

Since it is an unavoidable fact that estimates from a sample survey are subject to sampling error, sound statistical practice calls for researchers to provide users with some indication of the magnitude of this sampling error. This section of the documentation outlines the measures of sampling error that Statistics Canada commonly uses and that it urges users producing estimates from this microdata file to use also.

The basis for measuring the potential size of sampling errors is the standard error of the estimates derived from survey results.

However, because of the large variety of estimates that can be produced from a survey, the standard error of an estimate is usually expressed relative to the estimate to which it pertains. This resulting measure, known as the coefficient of variation (CV) of an estimate, is obtained by dividing the standard error of the estimate by the estimate itself and is expressed as a percentage of the estimate.

For example, suppose that, based upon the HES survey results, one estimates that 34.9% of households had a plasma television in 2011, and this estimate is found to have a standard error of 0.0051. Then the coefficient of variation of the estimate is calculated as

$$\left(\frac{0.0051}{0.349} \right) \times 100\% = 1.46\%$$

2.7 Weighting

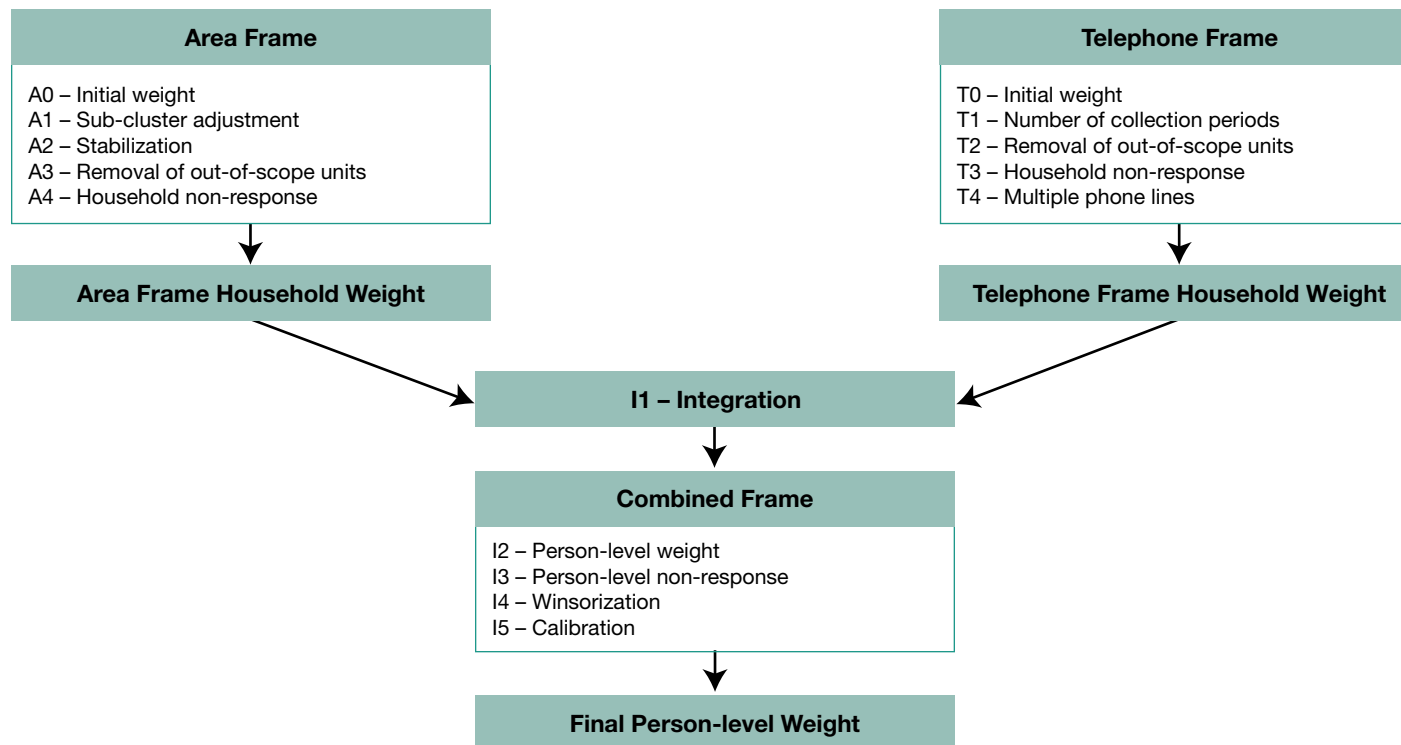
Since the HES and its energy use supplement used a subsample of the CCHS sample, the derivation of weights for the survey records is clearly tied to the weighting procedure used for the CCHS. The CCHS weighting procedure is briefly described below.

2.7.1 Weighting procedures for the Canadian Community Health Survey

The CCHS has recourse to three sampling frames for its sample selection: an area frame acting as the primary frame and two frames formed of telephone numbers complementing the area frame. Since only minor differences differentiate the two telephone frames in terms of weighting, they are treated together as one and referred to as being part of the telephone frame.

The weighting strategy was developed by treating both the area and telephone frames independently. Household-level weights resulting from these two frames are then combined into a single set of household weights through a step called “integration.” After applying person-level weights and some further adjustments, this integrated weight becomes the final weight. Note that the CCHS household subweight (after the “**I**” Integration step) corresponds to the initial HES weight.

Diagram A – CCHS Weighting strategy overview



The CCHS household subweight (required for the HES weighting) is available once the steps **A0** to **A4** (for the area frame), **T0** to **T4** (for the telephone frame) and **I1** (integration) are completed. Each CCHS weighting step is described below.

A0 – Initial weight

The weighting on the area frame sample begins with a weight provided by the Labour Force Survey (LFS). The initial weight, **A0**, is based on the LFS design since the CCHS sample is derived from the LFS. The LFS design consists of a sample of dwellings within the selected clusters of the LFS strata.

A1 – Sub-cluster adjustment

In clusters that experience significant growth, a subsampling methodology is used to ensure that the workload of the interviewers is kept at a reasonable level. This can consist in subsampling from the selected dwellings, dividing the cluster into sub-clusters, or reclassifying the cluster as a stratum and creating new clusters within the stratum. In all these cases, a subsample adjustment is calculated and applied to the CCHS weight. This adjustment is applied to weight **A0** to produce weight **A1**.

A2 – Stabilization

In some health regions (HRs), the increase of the sample size results in a significantly larger sample than necessary. Stabilization is used to bring the sample size back down to the desired level. The stabilization process consists in randomly subsampling dwellings at the HR level from the dwellings originally obtained within each cluster. An adjustment factor representing the effect of this stabilization is calculated in order to adjust the probability of selection appropriately. This factor, multiplied by weight **A1**, produces weight **A2**.

A3 – Removal of out-of-scope units

Among all dwellings sampled, a certain proportion is identified during collection as being out-of-scope. Dwellings that are demolished or under construction, vacant, seasonal or secondary, and institutions, are examples of out-of-scope cases for the CCHS. These dwellings and their associated weight are simply removed from the sample. This leaves a sample that consists of, and is representative of, in-scope dwellings. These remaining dwellings maintain the same weight as in the previous step, which is now called **A3**.

A4 – Household non-response

During collection, a certain proportion of sampled households inevitably result in non-response. Weights of the non-responding households are redistributed to responding households within response homogeneity groups (RHGs). In order to create the response groups, a scoring method based on logistic regression models is used to determine the propensity to respond, and these response probabilities are used to divide the sample into groups with similar response properties. The information available for non-respondents is limited so the regression model uses characteristics such as the collection period and geographic information, as well as paradata, which includes the number of contact attempts, the time/day of attempt, and whether the household was called on a weekend or weekday. An adjustment factor is calculated within each class as follows:

$$\frac{\text{Sum of weights A3 for all households}}{\text{Sum of weights A3 for all responding households}}$$

The weight **A3** is multiplied by this factor to produce weight **A4** for the responding households. Non-responding households are dropped from the process at this point.

T0 – Initial weight

The initial weight **T0** for the units on the telephone frames is defined as the inverse of the probability of selection and is computed separately for the random digit dialing (RDD) and list frame samples since the method of selection differs between these two frames.

T1 – Number of collection periods

On the area frame, the entire sample is selected at the beginning of the year. This is in contrast to the telephone frame, where samples are drawn every two months. Each of these samples comes with an initial weight that allows each sample to be representative at the HR level. To ensure that the total sample represents the population only once, an adjustment factor is applied to reduce the weights of each two-month sample. The adjustment factor applied to each two-month sample is equal to the inverse of the number of samples being combined (i.e. the number of collection periods). Following this adjustment, the entire list frame sample corresponds to the average over the entire combined collection period. The initial weights are multiplied by this adjustment factor to produce weight **T1**.

T2 – Removal of out-of-scope numbers

Telephone numbers associated with businesses, institutions or other out-of-scope dwellings, as well as numbers not in service or any other non-working numbers are all examples of out-of-scope cases for the telephone frame. Similar to the methods used on the area frame, these cases are simply removed from the process, leaving only in-scope dwellings in the sample. These in-scope dwellings keep the same weight as in the previous step, now called weight **T2**.

T3 – Household non-response

The adjustment applied here to compensate for the effect of household non-response is identical to the one applied for the area frame (adjustment **A4**), although the paradata used do differ because of the differences in collection applications for personal and telephone interviews. The adjustment factor calculated within each class was obtained as follows:

$$\frac{\text{Sum of weights T2 for all households}}{\text{Sum of weights T2 for all responding households}}$$

The weight **T2** of responding households is multiplied by this factor to produce the weight **T3**. Non-responding households are removed from the process at this point.

T4 – Multiple phone lines

Some households can possess more than one residential telephone line. This has an impact on the weighting as these households have a higher probability of being selected, so the weights for these households need to be adjusted for the number of residential telephone lines within the household. The adjustment factor represents the inverse of the number of lines in the household. The weight **T4** is obtained by multiplying this factor by the weight **T3**.

2.7.2 Weighting procedures for the Households and the Environment Survey – Energy Use Supplement

The principles behind the calculation of the weights for the HES–Energy Use Supplement are identical to those for the CCHS. However, further adjustments are made to the CCHS household subweight in order to derive a final weight for the records on the HES–Energy Use Supplement microdata share file.

Diagram B – HES–Energy Use Supplement weighting strategy overview

| Weighting steps |
|--|
| H0 – CCHS subweight |
| H1 – HES initial weight |
| H2 – HES non-response adjustment |
| H3 – HES – Energy Use non-response adjustment |
| H3* – HES – Energy Use non-sharing adjustment |
| H4 – Calibration |

H0 – CCHS subweight

The CCHS subweight is obtained once the **I1** step of the CCHS weighting process is completed. The CCHS **I1** step consists in integrating the weights for households common to the area and telephone frames into a single weight by applying a method of integration. The integration factor can be calculated as follows:

$$\alpha = \frac{n_A}{(n_A + n_T)}$$

where n_A and n_T represent the area and telephone frames sample sizes, respectively. The weight of the area frame units is multiplied by this factor α , while the weight of the telephone frame units is multiplied by $1 - \alpha$. The product between the factor derived here and the final household weight calculated earlier (**A4** or **T4**, depending on which frame the unit belongs to), gives the integrated household weight **I1**, also called the CCHS subweight.

H1 – HES initial weight

The HES sample is a random subsample of the CCHS respondents. The probability of being selected in the HES sample is first calculated. For each household selected in the HES, an adjustment factor is defined as the inverse of its probability of selection. This factor, multiplied by weight **H0**, produces weight **H1**.

H2 – HES non-response adjustment

Weights of the non-responding HES households are redistributed to responding households within response homogeneity groups (RHGs). In order to create the RHGs, a scoring method based on logistic regression models is used to determine the propensity to respond and these response probabilities are used to divide the sample into groups with similar response properties. An adjustment factor is calculated within each class as follows:

$$\frac{\text{Sum of weights H1 for all HES households}}{\text{Sum of weights H1 for all HES responding households}}$$

The weight **H1** of responding households is multiplied by this factor to produce the weight **H2**. Non-responding households are removed from the process at this point.

H3 – HES–Energy Use non-response adjustment

This step is similar to the previous one. Weights of the non-responding HES–Energy Use Supplement households are redistributed to responding HES–Energy Use Supplement households within response homogeneity groups (RHGs). An adjustment factor is calculated within each class (RHG) as follows:

$$\frac{\text{Sum of weights H2 for all HES responding households}}{\text{Sum of weights H2 for all HES Energy Use responding households}}$$

The weight **H2** of responding households is multiplied by this factor to produce the weight **H3**. HES–Energy Use Supplement non-responding households are removed from the process at this point.

H3* – HES–Energy Use Supplement non-sharing adjustment

This adjustment is applied only to the share file weights. Households that refused to share their data with NRCAN cannot be included in the share file. Therefore, for the share file, an adjustment must be made to the weights of households that agreed to share their data in order to compensate for the households that did not agree to share their data. The weights of the non-sharing HES–Energy Use Supplement households are redistributed to sharing households within sharing homogeneity groups. In order to create the sharing homogeneity groups, a scoring method based on a logistic regression model is used to determine the propensity to share. The logistic regression model is used to predict the probabilities of being a sharing household. These probabilities are then used to divide the sample into groups with similar sharing probabilities. An adjustment factor is calculated within each group as follows:

$$\frac{\text{Sum of weights H3 for all HES Energy Use responding households}}{\text{Sum of weights H3 for all HES Energy Use responding households that agreed to share}}$$

The weight **H3** of responding households that agreed to share their data is multiplied by this factor to produce the weight **H3***. The HES–Energy Use Supplement responding households that refused to share their data are removed from the share file at this point. The weight **H3*** is then used in the calibration step to obtain the final weight **H4**.

H4 – Calibration

The final step necessary to obtain the final HES–Energy Use Supplement weight **H4** is calibration. Calibration is done to ensure that the sum of the final weights corresponds to the census projections defined at the province and household size (one person, two persons or three persons and more) levels. The weight **H4**, produced at this step, is the final HES–Energy Use Supplement weight, WTHM, on the microdata share file.

Appendix B



Glossary

Air conditioner: Device used to cool air within a dwelling.

Air leaks: Unintended exchange of interior and exterior air around windows.

Apartment building: Building originally designed to contain multiple dwelling units (apartments) within it. Duplexes (two dwellings one above the other, not attached to any other structure) are not included in this definition.

Attic: Uppermost storey of a dwelling, below the roof, used more for storage purposes than for living purposes.

Bag of firewood: One bag of firewood is equivalent to a stack of wood with 1 foot length by 1 foot width with a height of 2 feet.

Basement: Usable part of a building which is located partially or completely beneath the outside ground level.

Boiler (space heating): Space heating system with a pump that distributes heated water through a network of pipes to radiators in various rooms in the dwelling. The radiators are heat-emitting.

British thermal unit (Btu): Quantity of heat required to raise the temperature of 1 pound of water 1 degree Fahrenheit.

Built-in oven: Domestic appliance placed in a closed compartment with a supply of heat, used for cooking food. In contrast to the regular stove/range, the built-in oven cannot be moved and is not equipped with surface heating elements (burners).

Caulking: Material used to make an air-tight seal by filling in cracks, such as those around windows and doors.

Central air conditioner: An air conditioner which typically uses ventilation ducts to distribute cooled and/or dehumidified air to more than one room.

Clothes dryer: Appliance used to dry clothing by evaporation accelerated by applying heat and rapid air movement. The air is usually heated by electricity or natural gas.

Clothes washer (washing machine): An appliance for washing laundry composed of a washtub, an agitator and a system for draining used water. An opening at the top or front of the appliance provides access to the washtub.

Combination boiler (typically a wall-hung unit): Typically a small boiler used for domestic hot water in addition to space heating.

Compact fluorescent light bulbs (CLF): Also known as corkscrew or spiral light bulbs. A light that is similar to and can replace most incandescent lights, but uses 75% less energy and can last up to ten times as long as a conventional incandescent light bulb.

Compact stereo: A one-component stereo system that is not capable of being easily carried or moved about because of its size or design (no built-in handles or carrying straps).

Component stereo: A stereo system with two or more separate components. Each component has its own electrical plug. The components and speakers operate together to produce sound. Components may include an amplifier, audio-video receiver, CD player, tape player, record player and radio tuner.

Computer monitor: An electrical device used to provide a visual display of images generated from the video output of a desktop computer. Laptop computers do not use a computer monitor as a video display is already built within their casing.

Computer printer: A peripheral computer device that produces a hard copy (usually on paper) of a graphic display relayed from a computer.

Concrete slabs: A concrete surface supported directly by the ground beneath.

Condensation: Physical reaction in which water vapour molecules join together to form water droplets that attach themselves to the interior surface of a window.

Condominium: Individual ownership of a dwelling unit in a multi-dwelling structure (as an apartment building) or on land owned in common (as a town house complex).

Cooktop: An appliance not attached to an oven, used for cooking food (the regular stove/range is a one-piece appliance containing an oven and a cooktop).

Crawl space: A low-height space between the bottom of the floor of the lowest building storey and the ground; may have an earth, gravel or paved floor. In cases where houses have no basements, the space between the first floor and the surface of the ground is made large enough for someone to crawl through for repairs and installation of utilities.

Desktop computer: A personal computer in a form intended for regular use at a single location.

Dimmers: A device that controls the illumination of a light, which allows for a gradual increase or decrease of illumination.

Dishwasher: An appliance designed to wash dishes automatically. Water is sprayed over dishes either by fixed jets aimed at a rotating basket or by rotating jets.

- **Compact dishwasher:** Categorized as a dishwasher that has a capacity less than eight place settings and six serving pieces.
- **Standard dishwasher:** Categorized as a dishwasher with a capacity equal to or greater than eight place settings plus six serving pieces.

Double/Row house: A house connected to at least one other dwelling, which together form a building. For SHEU-2011, duplexes (two dwellings one above the other, not attached to any other structure) are included in this category.

Drafts: Unintended exchange of interior and exterior air around windows.

DVD player: A stand-alone device that plays DVDs (digital video disks). It contains a DVD drive and the electronics to decode the digital video. DVD players are cabled directly to a TV or indirectly to a TV through a home theatre system for audio/video display.

Dwelling: Any set of living quarters which is structurally separate from the living quarters of other dwellings and has a private entrance outside the building or a private entrance from a common hall or stairway inside the building. The private entrance must be one that can be used without passing through the living quarters of another dwelling.

Electric baseboards: An electric heat-emitting device located only at the baseboard level. They can be controlled at the unit itself or with a wall control.

Electric radiant heating: Radiant heat sources warm objects within their range without necessarily having to heat up the surrounding space. Two types of electric radiant heating are portable infrared heaters and electric radiant heating cables installed in a floor or ceiling.

Electricity: Electric energy measured by a meter, distributed by a public utility company to a dwelling through overhead or underground power lines. This definition does not include electricity generated by non-public utility sources.

Energy consumption: For SHEU-2011, a summation of household electricity, natural gas, heating oil, propane and wood consumption in terms of energy (gigajoules) during 2011. Household energy consumption excludes energy consumed for transportation or gas power equipment requirements.

Energy source(s): Type(s) of energy used by a household. For SHEU-2011, energy sources include electricity, natural gas, heating oil, propane, wood and other sources such as solar and wind.

ENERGY STAR qualified product: The ENERGY STAR® mark helps consumers identify which energy-consuming products on the market are the most energy efficient in their class. The ENERGY STAR symbol is used mainly to identify products offering premium performance levels in energy efficiency. The ENERGY STAR symbol can be found on the products themselves, product packaging, literature and advertising.

Face or stove cord: A face or stove cord is equivalent to a pile of wood with 8 feet length by 16 inches (one log) width with a height of 4 feet.

Fireplace: A partially enclosed space for a contained fire within a dwelling. The energy source for a fireplace is typically wood, natural gas, propane or electricity. An electric fireplace does not house an actual fire within its enclosure. However, it does produce heat and a visual rendering of a fire when in use.

Fluorescent tubes: A low-pressure electric-discharge lamp consisting of an elongated tube with one or more photo luminescent (phosphor) coatings on the inside that transforms ultraviolet light into visible light.

Foundation: Structure that supports and immobilizes houses and buildings. It is designed to distribute all loads that are transmitted to it toward or under the ground judiciously.

Freezer: A stand-alone appliance designed to freeze produce. It is built as either a vertical model (with a door that opens outward) or a chest-style model (with a lid). For SHEU–2011, a freezer compartment within a refrigerator is not included in the definition.

Full or brush cord: A full or brush cord is equivalent to a pile of wood with 8 feet length by 4 feet width with a height of 4 feet. It is also equivalent to 3 face cords or 64 bags of wood.

Furnace: A heating system that distributes heat by using a motor-driven fan to circulate heated air through the duct system of a dwelling. The heated air is delivered to different rooms through air vents.

Furnace efficiency rating: Measures the amount of heat actually delivered to the dwelling compared to the amount of fuel supplied to the furnace. The efficiency rating is referred to as the annual fuel utilization efficiency (AFUE). A high-efficiency furnace has a higher AFUE than a low-efficiency furnace.

Furnace filter: A filter designed to protect the furnace and furnace fans from debris contained in the air entering the furnace through the heating duct system. A furnace works most efficiently with a clean filter.

Garage: Generally enclosed covered space primarily designed to shelter personal vehicles.

Gigajoule: A unit of measure for energy consumption equal to 1 billion joules.

Halogen light bulbs: An incandescent lamp with a tungsten filament that contains halogen gases that carry the tungsten particles back to the filament as they evaporate, thus preventing them from accumulating on the glass wall. Bulbs become very hot while providing an intense white light when in use.

Hard wood: Typically hard wood is of higher density and hardness than soft wood. It also produces more heat when burnt.

Heat pump: An electrical device that can be used for heating and for cooling a dwelling. It is typically located outdoors if it is an air source heat pump and indoors if it is a ground source (earth or water) heat pump.

Heated area: All space within the exterior walls of a dwelling that is heated, excluding the garage and basement, if any.

Heating oil: A low-viscosity, flammable liquid petroleum product used to fuel building furnaces or boilers.

Heating season: A general term used to describe the time of the year when heating equipment is used to heat the interior of a dwelling.

Heating stove: An enclosed heating unit in which material such as wood, pellets and corn are burned.

High-rise apartment: Separate dwellings within a residential structure of five or more stories.

Home theatre system: For SHEU–2011, a home theatre system is a surround sound audio system typically used in conjunction with TV viewing.

Hot water heater: An apparatus in which water is heated to be used specifically as domestic hot water. Boilers used only for space heating are not included in this definition.

Hot water tank: A thermally insulated tank with automatic controls designed to produce and hold domestic hot water.

Household: A household is defined as any person or a group of persons living in a dwelling. A household may consist of any combination of: one person living alone, one or more families, a group of people who are not related but who share the same dwelling.

Household income: Total income of all members of the household in 2011 from all sources, before taxes and other deductions.

Improvements: For SHEU–2011, improvements are any enhancements to a dwelling that reduce energy consumption. They are commonly referred to as a retrofit.

Incandescent light bulb: A light bulb containing a tungsten filament that gives off light when an electric current flows through it. It is commonly referred to as an ordinary or regular light bulb.

Insulation: Materials that reduce unwanted heat loss or gain and can decrease the energy demands of heating and cooling systems.

Insulation around hot water pipes: Add-on insulation placed around hot water pipes to conserve energy (keep heat in). The add-on insulation is not necessary for the normal operation of the pipes and includes such things as snap-on insulation.

Laptop computer: A personal computer designed for mobile use. A laptop computer is also referred to as a notebook computer.

LED holiday lights: Generally a string of decorative indoor or outdoor light emitting diode (LED) lamps that are used to enhance the celebratory mood during the holiday season. The lights are not used for practical lighting purposes.

Light sensor – lighting timer control: A device which automatically turns connected lights on and off according to detected light levels.

Low-Emissivity coating: Low-E (Low-Emissivity) coatings are highly reflective, transparent coatings applied to window panes to slow heat loss.

Low-flow showerhead: A showerhead that can reduce hot water use without reducing the water pressure provided while taking a shower using a standard showerhead.

Low-rise apartment: Dwellings within triplexes, quadruplexes and apartment buildings of fewer than five stories.

Microwave oven: An appliance that emits electromagnetic waves capable of agitating water molecules contained in food. The repeated friction of these molecules raises the temperature, enabling the food to cook rapidly.

Mobile home: A mobile dwelling designed and built to be transported by road on its own frame to a location where it may be placed on a temporary foundation, such as concrete blocks, pillars or some other specifically designed structure. It must be able to be moved again to another location, as required.

Moisture detector: An automatic sensor in a clothes dryer used to check the amount of moisture in the clothes and to automatically terminate the dryer cycle when the clothes are at a predetermined level of dryness. It is not a timed function.

Motion detector – lighting timer control: A device which automatically turns connected lights on when motion is detected in close proximity to a sensor and off after a period of non-motion.

Natural gas: An energy source consisting of a gaseous mixture of saturated hydrocarbons that is found in underground deposits either alone or with petroleum. It is delivered directly to houses and buildings by pipelines.

Other types of LED lights: An energy-efficient type of light that uses Light Emitting Diodes (LEDs) to produce the light. Available as both stand-alone lights, such as night lights and garden lights, and replacements for screw-in light bulbs, these lights typically consume much less energy than conventional incandescent lights and have a much longer lifespan.

Outside walls/interior walls: These are the walls that are in contact with the outside of the house/building. This excludes walls that are shared between double/row houses or apartments.

Personal computer: Any general-purpose computer whose size and capabilities make it useful for individuals, and which is intended to be operated directly by an end user, with no intervening computer operator. Personal computers include desktop and laptop computers.

Pillars: Wood, concrete or sometimes metal columns that are driven into the ground and used to support a house or building and prevent it from sinking into the ground.

Pilot light: A small flame within a gas-burning or oil-burning unit that is allowed to burn continually to ensure automatic ignition of the unit.

Plastic film on windows: Plastic film installed over window frames that reduces drafts and heat loss due to gaps in insulation. Typically the film is temporary as it is installed during the heating season and then removed after the season is over.

Portable electric heater: A space heating unit that can be easily transported. The source of heat is electrical resistance.

Portable stereo: A stereo system that is capable of being easily carried or moved about (using built-in handles or carrying straps). Walkmans and MP3 players are not considered to be portable stereos.

Programmable lighting timer control: A device which automatically turns connected lights on and off according to its programmed time of day specifications.

Programmable thermostat: A thermostat that can be set to different temperatures to go on and off at different times during the day. For example, you might set it back a few degrees at night while you are sleeping and set it to come on automatically at a higher daytime temperature an hour before you get up.

Propane: An energy source that is a saturated, aliphatic, linear-chain hydrocarbon found in natural gas and petroleum.

Radiant floor heating: Embedded tubing or electrical wiring located in the floor that carries either hot water or electricity for the purposes of space heating.

Refrigerator: A movable chest in which the temperature can be reduced and controlled for the preservation of perishable foods. Most refrigerators are equipped with a second compartment for freezing foods.

Regular stove/range: A single-unit appliance used to cook food, combining a cooktop and an oven.

Single detached house: A house containing a single dwelling unit entirely separate from any other building or structure, generally known as a single family house.

Soft wood: Typically soft wood is of lower density and hardness than hard wood. It also produces less heat when burnt.

Solar power: Electricity generated from solar radiation.

Split level: A dwelling that usually has the floor level of one part about half a storey above or below the floor level of an adjacent part.

Stand-by mode: Energy consumed by an electronic device while it is perceived to be turned off. Equipment in stand-by mode can consume energy to power built-in clocks, sensor devices awaiting remote control commands, as well as other functions.

Storey: Space contained between two consecutive floors, or between a floor and a roof.

Supplementary furnace: A furnace that is used in addition to the main heating system.

Supplementary heating: A heating system that can be used in addition to a main heating system, as desired, and that is flexible enough to respond to rapid variations in heating needs.

Tankless (instantaneous) water heater: A system whereby the water passes by an instant heater on its way to the faucet. The system has no tank to store heated water. The heated water is supplied only as it is required.

Telephone: For SHEU–2011, a telephone is a phone that requires an electrical outlet and a phone jack. This does not include cellular phones.

Television: An electronic device used only to display audio/video signals from television broadcasts and other audio/video equipment such as DVD players and VCRs.

- **Digital light projection (DLP) television:** A television which uses DLP technology to provide a display of video signals. DLP televisions are capable of displaying a high definition video signal.
- **High definition (HD) television:** A television which can display a high definition video signal and which provides a higher resolution picture than traditional televisions.
- **Light emitting diodes (LED) television:** A television which uses LCD technology but which is backlit with light emitting diodes instead of cold-cathode fluorescent lamps (CCFLs).
- **Liquid crystal display (LCD) television:** A television which uses LCD technology to provide a display of video signals. LCD televisions are capable of displaying an HD video signal.
- **Plasma television:** A television which uses plasma technology to provide a display of video signals. Plasma televisions are capable of displaying an HD video signal.
- **Projection television:** A television which uses two separate devices (an image projector and a screen) to provide a display of video signals.
- **Regular (tube) television:** A television which uses cathode-ray tube (CRT) technology to provide a display of video signals. The CRT was the original technology used in televisions.

Television analog/digital receiver box: A device which converts a cable or satellite television signal for audio/visual display on an attached television. It is commonly referred to as a TV set-top box or cable box.

- **Digital cable or satellite television receiver box:** A television receiver box which is capable of converting a digital television signal from a cable or satellite television provider.
- **High definition (HD) television receiver box:** A television receiver box which is capable of converting an HD television signal from a cable or satellite television provider.
- **Personal video recorder (PVR) television receiver box:** A television receiver box which is capable of digitally recording television programs for later viewing, pausing and rewinding live programs, and recording one or several programs while watching another.
- **Regular (analog) cable or satellite television receiver box:** A television receiver box which is only capable of converting an analog television signal from a cable or satellite television provider.

Thermal envelope: Facing materials that form the shell of a building, including walls, ceilings, roof, basement walls, windows and doors.

Thermostat: A device used to control indoor dwelling temperatures; used to control the operation of space heating and cooling devices by turning the device on or off when a specified temperature is reached.

VCR (video cassette recorder): An analog tape recording device that can record and play videocassettes through a television.

Video game console: A dedicated electronic device that is designed to play video games on a television.

Water cooler: A device used for cooling and dispensing drinking water which generally requires large bottles of water to be delivered by or picked up from vendors.

Wattage: Standard measure of electrical power.

Weather-stripping: A felt or foam band, usually self-adhesive, placed at the joints of doors and windows to seal against air leaks and reduce heat loss.

Window: A construction unit set into a space within a wall or inclined roof to allow light, and possibly air, to enter. The space is typically closed by a transparent material such as a pane of glass.

- **Sealed window unit:** A multiple pane window which has the space between the panes sealed so that the panes can only be moved in unison.
- **Gas-filled window:** A multiple pane window which contains argon gas between panes.
- **Storm window:** A window which fits into, or over, primary windows and which is used to minimize drafts due to air leakage. Storm windows can be installed on the inside or the outside, and they can be permanent, seasonal or temporary.

Window/room air conditioner: An air conditioner which typically distributes cooled and/or dehumidified air to a single room.

- **Mini-split air conditioner:** A quiet, compact air conditioner consisting of an outdoor compressor and up to three indoor diffusers installed high on the walls so as to ensure a uniform distribution of air. Unlike a heat pump, it can only be used for cooling.
- **Free-standing portable air conditioner:** An air conditioner which is designed to be easily moved from location to location. Typically the unit has wheels.

- **Through-the-wall mounted (non-louvered) air conditioner:** An air conditioner which is installed in an exterior wall opening and has non-louvered sides.
- **Wall-mounted heat pump/air conditioner:** A compact heat pump consisting of an outdoor compressor and up to three indoor diffusers installed high on the walls to ensure a uniform distribution of air. It can be used for space heating as well as air conditioning.
- **Window-mounted (louvered) air conditioner:** An air conditioner that has an accordion pleat stretching from the air conditioner unit to the edge of the window frame. Louvered sides (accordion pleat) are used with window air conditioners to prevent drafts.

Wind power: Electricity derived from the wind via windmills or wind turbines.

Wood pellets: A type of wood fuel generally made from compacted sawdust. Wood pellets are small in size and extremely dense.

Appendix C



Questionnaires

Households and the Environment Survey: Phase One – Energy-related questions

In what year was this dwelling originally built?

- 00 Specific year dwelling was built
- 01 Before 1946
- 02 Between 1946 and 1960
- 03 Between 1961 and 1977
- 04 Between 1978 and 1983
- 05 Between 1984 and 1995
- 06 Between 1996 and 2000
- 07 Between 2001 and 2009
- 08 2010 or later
- 97 Don't know
- 98 Refusal

Coverage: All respondents

Is the dwelling owned by a member of the household?

- 1 Yes
- 2 No
- 7 Don't know

Coverage: All respondents

Is the dwelling part of a condominium?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents living in a townhouse, low-rise apartment or high-rise apartment

How long has your household lived in this dwelling?

- 00 How long lived in this dwelling
- 01 Months
- 02 Years
- 97 Don't know
- 98 Refusal
- 99 Not stated

Coverage: All respondents

What is your dwelling's main type of heating equipment? Is it ...?

- 01 A forced air furnace (hot air vents)
- 02 Electric baseboards
- 03 A heating stove
- 04 A boiler with hot water or steam radiators
- 05 Electric radiant heating
- 06 A heat pump
- 07 Other
- 97 Don't know

Coverage: All respondents

What source of energy does your heating equipment use?

- ... Electricity
- ... Natural gas
- ... Heating oil
- ... Wood or wood pellets
- ... Propane
- ... Other
- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who do not use electric baseboards, electric radiant heating, or a heat pump as the main heating equipment in their dwelling

Does your dwelling have an air conditioner?

- 1 Yes
- 2 No
- 7 Don't know

Coverage: All respondents

Is it ...?

- ... A central air system
- ... A stand-alone unit in a window or elsewhere
- ... Other
- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have an air conditioner

Do you have a thermostat?

- 1 Yes
- 2 No
- 7 Don't know

Coverage: All respondents

Does your dwelling have more than one thermostat?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have at least one thermostat in their dwelling

Is your main thermostat programmable? That is, it can be set to automatically change the temperature according to the time of day.

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have at least one thermostat in their dwelling

Is it programmed?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 8 Refusal
- 9 Not stated

Coverage: Respondents who have a programmable thermostat in their dwelling

During the winter season, at what temperature is the dwelling usually kept when you are there and awake?

- 00 Winter – temperature when awake
- 96 Valid skip
- 97 Don't know
- 98 Refusal
- 99 Not stated

Coverage: Respondents who have at least one thermostat in their dwelling

During the winter season, at what temperature is the dwelling usually kept when you are asleep?

- 00 Winter – temperature when asleep
- 96 Valid skip
- 97 Don't know
- 98 Refusal
- 99 Not stated

Coverage: Respondents who have at least one thermostat in their dwelling

During the summer season, at what temperature is the dwelling usually kept when you are there and awake?

- 00 Summer – temperature when awake
- 96 Valid skip
- 97 Don't know
- 98 Refusal
- 99 Not stated

Coverage: Respondents who have central air conditioning in their home and can control or regulate the temperature in their dwelling

During the summer season, at what temperature is the dwelling usually kept when you are asleep?

- 00 Summer – temperature when asleep
- 96 Valid skip
- 97 Don't know
- 98 Refusal
- 99 Not stated

Coverage: Respondents who have central air conditioning in their home and can control or regulate the temperature in their dwelling

During the summer season, at what temperature is the dwelling usually kept when you are not at home?

- 00 Summer – temperature when not at home
- 96 Valid skip
- 97 Don't know
- 98 Refusal
- 99 Not stated

Coverage: Respondents who have central air conditioning in their home and can control or regulate the temperature in their dwelling

Do you have any of the following types of energy-saving bulbs?

- ... Compact fluorescent lights (for example corkscrew or spiral)
 - ... Fluorescent tubes
 - ... Halogen lights
 - ... LED holiday lights
 - ... Other types of LED lights
 - ... None of the above – household does not have any energy-saving lights
- 1 Yes
 - 2 No
 - 7 Don't know

Coverage: All respondents

Has an energy audit ever been conducted for your dwelling?

- 1 Yes
- 2 No
- 7 Don't know

Coverage: All respondents

Was it conducted in the last 10 years?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who had an energy audit for their dwelling

Were any changes made to the dwelling as a result of the audit?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who had an energy audit for their dwelling

Was a government grant received as part of a home energy retrofit program?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who had an energy audit for their dwelling

Do you have a water-saving, low-flow showerhead?

- 1 Yes
- 2 No
- 7 Don't know
- 8 Refusal

Coverage: All respondents

During the past 12 months, how often has the filter in your furnace been changed or cleaned?

- 1 Every three months or more frequently
- 2 Every six months
- 3 Once in the past year
- 4 Did not change or clean filter in the past year
- 6 Valid skip
- 7 Don't know
- 8 Refusal
- 9 Not stated

Coverage: Respondents who have a forced air furnace as the main type of heating equipment in their dwelling

What measures does your household take to improve the quality of the air in your dwelling? Do you ...?

- ... Open windows more often to increase air circulation
 - ... Turn on a floor or ceiling fan to increase air circulation
 - ... Use an air conditioner more frequently
 - ... Use a dehumidifier
 - ... Use a humidifier
 - ... Use an air cleaning system (excluding ionizing systems)
 - ... Use higher-quality filters in the furnace
 - ... Use the furnace fan or a heat recovery ventilation (HRV) system to increase air circulation
- 1 Yes
 - 2 No
 - 7 Don't know

Coverage: All respondents

During the winter season, how often do you open a window to allow fresh air into your dwelling?

- 1 Every day
- 2 At least once a week
- 3 A few times during the season
- 4 Never
- 6 Valid skip
- 7 Don't know
- 8 Refusal
- 9 Not stated

Coverage: Respondents who opened windows in their dwelling

During the summer season, how often do you open a window to allow fresh air into your dwelling?

- 1 Every day
- 2 At least once a week
- 3 A few times during the season
- 4 Never
- 6 Valid skip
- 7 Don't know
- 8 Refusal
- 9 Not stated

Coverage: Respondents who opened windows in their dwelling

Households and the Environment Survey: Energy Use Phase Two – 2011 Survey of Household Energy Use

SECTION – DWELLING CHARACTERISTICS

What is the heated area of your dwelling? Please exclude the basement and garage.

- 00 Specific sq. ft. or m²
- 01 600 sq. ft. (55 m²) or less
- 02 601 – 1,000 sq. ft. (56 – 95 m²)
- 03 1,001 – 1,500 sq. ft. (96 – 140 m²)
- 04 1,501 – 2,000 sq. ft. (141 – 185 m²)
- 05 2,001 – 2,500 sq. ft. (186 – 230 m²)
- 06 2,501 – 3,000 sq. ft. (231 – 280 m²)
- 07 3,001 – 3,500 sq. ft. (281 – 325 m²)
- 08 3,501 – 4,000 sq. ft. (326 – 371 m²)
- 09 4,001 sq. ft. (372 m²) or more
- 97 Don't know

Coverage: All respondents

Do you currently own or rent your dwelling?

- 1 Own
- 2 Rent
- 7 Don't know

Coverage: All respondents

Is your current dwelling located within an apartment building?

- 1 Yes
- 2 No
- 7 Don't know

Coverage: Respondents who currently own their dwelling

How many storeys does your building have? Include storeys below ground and penthouses. Exclude storeys used only as indoor parking.

Number of storeys in your building

- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling and the dwelling is located within an apartment building

In what year was this dwelling originally built?

- 00 Specific year
- 01 Before 1946
- 02 Between 1946 and 1960
- 03 Between 1961 and 1977
- 04 Between 1978 and 1983
- 05 Between 1984 and 1995
- 06 Between 1996 and 2000
- 07 Between 2001 and 2005
- 08 Between 2006 and 2010
- 09 2011 or later
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

Excluding the basement, how many storeys does your dwelling have?

- 01 One storey
- 02 One and a half storeys
- 03 Two storeys
- 04 Two and a half storeys
- 05 Three storeys
- 06 Split level
- 07 Other
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

Most houses are built on basements, crawl spaces, concrete slabs (slab on grade), or some combination of these. What is your dwelling built over?

- 1 Basement
- 2 Crawl space
- 3 Concrete slabs
- 4 Pillars
- 5 Other
- 6 No foundation
- 7 Don't know
- 8 Valid skip
- 9 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

If you have indicated that you ...

- 1 Have a basement or crawl space
- 2 Do not have a basement or crawl space
- 6 Valid skip
- 9 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

During the heating season, is your basement/crawl space usually heated?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a basement or crawl space

What is the heated area of your basement/crawl space?

- 00 Specific sq. ft. or m²
- 01 600 sq. ft. (55 m²) or less
- 02 601 to 1000 sq. ft. (56 to 95 m²)
- 03 1001 to 1500 sq. ft. (96 to 140 m²)
- 04 1501 to 2000 sq. ft. (141 to 185 m²)
- 05 2001 to 2500 sq. ft. (186 to 230 m²)
- 06 2501 to 3000 sq. ft. (231 to 280 m²)
- 07 3001 sq. ft. (281 m²) or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a basement or crawl space that is usually heated during the heating season

Are any of your basement/crawl space outside walls insulated on the inside?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a basement or crawl space that is usually heated during the heating season

What percentage of the outside walls is insulated on the inside?

- 001 100 Percent of walls insulated on inside
- 996 Valid skip
- 997 Don't know
- 999 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a basement or crawl space that is usually heated during the heating season for which outside walls are insulated on the inside

Does your dwelling have an attic (a space between the roof and the top floor of your dwelling)?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

Is there insulation in your attic?

- 1 Yes – on the attic floor
- 2 Yes – on the attic walls
- 3 Yes – on both the attic floor and walls
- 4 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have an attic

Does your dwelling have a garage?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

Is your garage attached to the dwelling?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a garage

How much insulation does your garage have?

- 1 Full insulation – all walls and garage doors are insulated
- 2 Full insulation – all walls but not the garage doors are insulated
- 3 Partial insulation – some walls are insulated
- 4 None
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a garage

During the heating season, is your garage usually heated?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a garage

What type of garage does your dwelling have?

- 1 One-car garage
- 2 Two-car garage
- 3 Three-or-more-car garage
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have a garage

Have you made any of the following improvements to your dwelling that reduce energy consumption since January 1, 2000?

- 01 No improvements were made
- 02 The roof structure or surface
- 03 The heating equipment (include fireplaces and woodstoves)
- 04 Windows (include patio doors)
- 05 The caulking or weather-stripping around your windows or doors
- 06 The insulation of the basement or crawl space walls
- 07 The exterior wall siding
- 08 The insulation around the hot water pipes
- 09 The insulation of the roof or the attic
- 10 The insulation of any exterior walls (excluding basement)
- 11 Exterior doors (include garage door(s))
- 12 Installed a programmable thermostat
- 13 The ventilation or central air conditioning equipment
- 14 The foundation
- 15 Other – Specify
- 16 Other – Specify
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling, except dwellings located within an apartment building

What year were the following improvements made to your dwelling that reduce energy consumption?

- 01 Valid skip
- 02 Specific year – The roof structure or surface
- 03 Specific year – The heating equipment (include fireplaces and woodstoves)
- 04 Specific year – Windows (include patio doors)
- 05 Specific year – The caulking or weather-stripping around your windows or doors
- 06 Specific year – The insulation of the basement or crawl space walls
- 07 Specific year – The exterior wall siding
- 08 Specific year – The insulation around the hot water pipes
- 09 Specific year – The insulation of the roof or the attic
- 10 Specific year – The insulation of any exterior walls (excluding basement)
- 11 Specific year – Exterior doors (include garage door(s))
- 12 Specific year – Installed a programmable thermostat
- 13 Specific year – The ventilation or central air conditioning equipment
- 14 Specific year – The foundation
- 15 Specific year – Other – Specify
- 16 Specific year – Other – Specify

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and made improvements to their dwelling that reduce energy consumption

What is the main reason you have not made any improvements to your dwelling?

- 01 No improvements are currently necessary
- 02 Planning to make improvements in the future
- 03 Not aware of government financial aid or assistance
- 04 Planning to sell
- 05 Dwelling was recently purchased or built
- 06 Improvements are too costly
- 07 Do not have time
- 08 No government financial aid or assistance
- 09 Other
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling, do not live in an apartment building and have not made improvements to their dwelling that reduce energy consumption

Do you use a hot water heater?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling

Is the water heater located in your dwelling?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling and use a hot water heater

What type of hot water heater is used in your dwelling?

- 1 Standard hot water tank
- 2 Tankless (instantaneous water heater)
- 3 Combination boiler (typically a wall-hung unit)
- 4 Other – Specify
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling and use a hot water heater located in their dwelling

What source of energy does the water heater use?

- 01 Electricity
- 02 Oil
- 03 Natural gas
- 04 Propane
- 05 Solar
- 06 Other source
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling and use a hot water heater located in their dwelling

How old is your hot water heater?

- 00 Specific age of water heater
- 01 5 years or less
- 02 6 to 10 years
- 03 11 to 15 years
- 04 16 to 20 years
- 05 21 to 25 years
- 06 26 years or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling and use a hot water heater located in their dwelling

Did you replace a previous hot water tank with your current hot water heater?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling and use a hot water heater located in their dwelling

Was your previous hot water tank still working when you replaced it?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling, use a hot water heater located in their dwelling and replaced a previous hot water tank with their current hot water heater

How old was your previous hot water tank when you replaced it?

- 00 Specific age of water tank
- 01 5 years or less
- 02 6 to 10 years
- 03 11 to 15 years
- 04 16 to 20 years
- 05 21 to 25 years
- 06 26 years or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling, use a hot water heater located in their dwelling and replaced a previous hot water tank with their current hot water heater

What type of windows (including patio doors) are the majority in your dwelling?

- 01 Standard single pane with storm window
- 02 Standard single pane
- 03 Standard double pane
- 04 Standard double pane sealed unit
- 05 Standard triple pane sealed unit
- 06 Low-Emissivity (Low-E) coating – gas-filled double pane
- 07 Low-Emissivity (Low-E) coating – gas-filled triple pane
- 08 Standard gas-filled double pane
- 09 Standard gas-filled triple pane
- 10 Other – Specify
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who currently own their dwelling

How old are the majority of the windows in your dwelling?

- 1 5 years or less
- 2 6 to 10 years
- 3 11 to 15 years
- 4 16 years or more
- 5 Same age as dwelling
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who currently own their dwelling

Have you noticed any condensation on the inside surfaces of your windows?

- 1 Yes – on most
- 2 Yes – on some
- 3 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: All respondents

Have you noticed any air leaks or drafts around your windows?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: All respondents

Please indicate how many of the following types of light bulbs are used by your dwelling? Include exterior lights. Do not include seasonal lights such as Christmas lights, Halloween lights, etc.

- 01 Number of halogen light bulbs (include spotlights)
- 02 Number of compact fluorescent light bulbs
- 03 Number of regular fluorescent light bulbs (e.g. fluorescent tubes)
- 04 Number of incandescent light bulbs (include smaller bulbs used in chandeliers or in accent lighting fixtures)
- 997 Don't know
- 999 Not stated

Coverage: All respondents

On an average day, do you turn on any incandescent light bulbs (exclude small bulbs and night lights) for a total of three or more hours?

- 1 Yes
- 2 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

How many are turned on for a total of three or more hours?

- 00 Number of incandescent bulbs turned on for 3+ hours
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who, on an average day, turn on incandescent light bulbs for a total of three or more hours

What is the typical wattage of the light bulb(s) turned on for 3 hours or more?

- 0000 Wattage of incandescent bulbs turned on for 3+ hours
- 9996 Valid skip
- 9997 Don't know
- 9999 Not stated

Coverage: Respondents who, on an average day, turn on incandescent light bulbs for a total of three or more hours

On an average day in the winter, for how many hours do you have the light bulb(s) turned on?

- 00 Winter – hours per day light bulbs on
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who, on an average day, turn on incandescent light bulbs for a total of three or more hours

On an average day in the summer, for how many hours do you have the light bulb(s) turned on?

- 00 Summer – hours per day light bulbs on
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who, on an average day, turn on incandescent light bulbs for a total of three or more hours

How many light bulbs have a timer control?

- 00 Number of light bulbs – programmable
- 00 Number of light bulbs – motion detector
- 00 Number of light bulbs – light sensor
- 97 Don't know
- 99 Not stated

Coverage: All respondents

SECTION – HOUSEHOLD APPLIANCES

How old are the following major appliances that you use in your dwelling?

- ... Main refrigerator
- ... Second refrigerator
- ... Freezer (stand-alone)
- ... Regular stove/range
- ... Separate cooktop
- ... Built-in oven
- ... Microwave oven
- ... Dishwasher
- ... Washing machine
- ... Clothes dryer
- Not applicable
- 02 5 years or less
- 03 6 to 10 years
- 04 11 to 15 years
- 05 16 to 20 years
- 06 21 to 25 years
- 07 26 years or more
- 97 Don't know
- 99 Not stated

Coverage: All respondents

Please indicate if the following appliances used in your dwelling are an ENERGY STAR qualified product?

Note: The ENERGY STAR label can sometimes be found on the information sticker that is on the appliance. Also note that appliances bought before 2001 are generally not ENERGY STAR qualified.

- ... Main refrigerator
- ... Second refrigerator
- ... Freezer (stand-alone)
- ... Dishwasher
- ... Washing machine
- 1 Not applicable
- 2 Yes
- 3 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

What source of energy does your following major appliance use?

- ... Regular stove/range
- ... Separate cooktop
- ... Built-in oven
- ... Clothes dryer
- 01 Not applicable
- 02 Electricity
- 03 Natural gas
- 04 Electricity and natural gas
- 05 Oil
- 06 Wood
- 07 Propane
- 97 Don't know
- 99 Not stated

Coverage: All respondents

If you ...

- 1 Use a refrigerator in your dwelling
- 2 Do not use a refrigerator in your dwelling
- 9 Not stated

Coverage: All respondents

How many refrigerators do you use in your dwelling?

- 1 One
- 2 Two
- 3 Three or more
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a refrigerator in their dwelling

What did you do with your previous refrigerator when you replaced it with your current one?

- 01 No old refrigerator – current one is original/first
- 02 Disposed of refrigerator
- 03 Kept it at home and plugged in all year
- 04 Kept it at home/plugged it in when needed
- 05 Resold
- 06 Other – Specify
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a refrigerator in their dwelling

If you ...

- 1 Use a freezer (stand-alone) in your dwelling
- 2 Do not use a freezer (stand-alone) in your dwelling
- 9 Not stated

Coverage: All respondents

How many freezers (stand-alone) do you use in your dwelling?

- 1 One
- 2 Two
- 3 Three or more
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a freezer (stand-alone) in their dwelling

What is the size of your (main) freezer (stand-alone)?

- 1 Very small (less than 7.0 cu. ft.)
- 2 Small (7.1 to 13.9 cu. ft.)
- 3 Medium (14.0 to 17.9 cu. ft.)
- 4 Large (18.0 to 22.9 cu. ft.)
- 5 Very large (more than 23 cu. ft.)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a freezer (stand-alone) in their dwelling

If you ...

- 1 Use a regular stove/range, separate cooktop, or built-in oven
- 2 Do not use regular stove/range, separate cooktop, or built-in oven
- 9 Not stated

Coverage: All respondents

In an average week, how often do you use your regular stove/range or built-in oven with separate cooktop?

- 01 Three or more times a day
- 02 Two times a day
- 03 Once a day
- 04 A few times each week
- 05 Once a week
- 06 Less than once a week
- 07 Never
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a regular stove/range, separate cooktop, or built-in oven in their dwelling

If you ...

- 1 Use a microwave in your dwelling
- 2 Do not use a microwave in your dwelling
- 9 Not stated

Coverage: All respondents

In an average week, how many minutes do you use your microwave oven? Would you say ...

- 01 Less than 5 minutes
- 02 5 to 15 minutes
- 03 16 to 30 minutes
- 04 31 minutes to 60 minutes
- 05 61 minutes to 2 hours
- 06 More than 2 hours
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a microwave in their dwelling

If you ...

- 1 Use a dishwasher in your dwelling
- 2 Do not use a dishwasher in your dwelling
- 9 Not stated

Coverage: All respondents

Is the dishwasher in your dwelling compact or standard size?

- 1 Compact (mini – exterior width less than 56 cm/22 in.)
- 2 Standard (full size – exterior width greater than or equal to 56 cm/22 in.)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a dishwasher in their dwelling

Do you usually dry the dishes with the ...

- 1 Heat on (with the door closed)
- 2 Heat off (with the door closed)
- 3 Door open (dishes dry naturally)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a dishwasher in their dwelling

In an average week, how many loads of dishes do you do? Please give your best estimate.

- 00 Weekly – number of loads of dishes
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a dishwasher in their dwelling

If you ... (Please exclude washing machines used in common laundry areas.)

- 1 Use a washing machine in your dwelling
- 2 Do not use a washing machine in your dwelling
- 9 Not stated

Coverage: All respondents

What type of washing machine do you use in your dwelling?

- 1 Standard top-loading
- 2 Standard front-loading
- 3 Washer/dryer combination with top-loading washer
- 4 Washer/dryer combination with front-loading washer
- 5 Other
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a washing machine in their dwelling

What size is your washing machine?

- 1 Mini (compact – less than 45 L [10 gal.])
- 2 Standard (full size – greater than or equal to 45 L [10 gal])
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a washing machine in their dwelling

What water temperature do you use for most of your washing?

- 1 Hot
- 2 Cold
- 3 Warm
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a washing machine in their dwelling

What water temperature do you use for most of your rinsing?

- 1 Hot
- 2 Cold
- 3 Warm
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a washing machine in their dwelling

In an average week during the winter, how many loads of laundry do you wash?

- 00 Winter – number of loads of laundry
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a washing machine in their dwelling

In an average week during the summer, how many loads of laundry do you wash?

- 00 Summer – number of loads of laundry
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a washing machine in their dwelling

If you ...? (Please exclude clothes dryers used in common laundry areas.)

- 1 Use a clothes dryer in your dwelling
- 2 Do not use a clothes dryer in your dwelling
- 9 Not stated

Coverage: All respondents

What size is your clothes dryer?

- 1 Compact (less than 125 L [28 gal.] capacity)
- 2 Standard (greater than or equal to 125 L [28 gal.] capacity)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a clothes dryer in their dwelling

Does your clothes dryer have a moisture detector?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a clothes dryer in their dwelling

In an average week during the winter, how many loads of laundry do you dry in the clothes dryer?

- 00 Winter – loads of laundry in dryer
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a clothes dryer in their dwelling

In an average week during the summer, how many loads of laundry do you dry in the clothes dryer?

- 00 Summer – loads of laundry in dryer
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who use a clothes dryer in their dwelling

SECTION – ELECTRICAL DEVICES

How many of the following electrical devices do you use in your dwelling?

- ... Television
- ... Analog/digital television receiver box
- ... Home theatre system
- ... Video game console
- ... Blu-ray/DVD player (stand-alone)
- ... VCR (video cassette recorder)
- ... Component stereo
- ... Portable media devices and smart phones
- ... Personal computer (include laptop)
- ... Computer monitor
- ... Computer printer
- ... Telephone (exclude cell phones) (requires an electrical outlet and phone jack)
- ... Water cooler
- 1 Zero
- 2 One
- 3 Two
- 4 Three
- 5 Four or more
- 7 Don't know
- 9 Not stated

Coverage: All respondents

How old are the following electrical devices that you (most frequently) use in your dwelling?

- ... Television
- ... Analog/digital television receiver box
- ... Home theatre system
- ... Video game console
- ... Blu-ray/DVD player (stand-alone)
- ... VCR (video cassette recorder)
- ... Component stereo
- ... Portable media devices and smart phones
- ... Personal computer (include laptop)
- ... Computer monitor
- ... Computer printer
- ... Telephone (exclude cell phones) (requires an electrical outlet and phone jack)
- ... Water cooler
- 1 Not applicable
- 2 5 years or less
- 3 6 to 10 years
- 4 11 to 15 years
- 5 16 years or more
- 7 Don't know
- 9 Not stated

Coverage: All respondents

In an average week, how many hours do you have the following (most frequently used) electrical devices turned on? Do not include hours for devices that are in stand-by mode.

- ... Television
- ... Analog/digital television receiver box
- ... Home theatre system
- ... Video game console
- ... Blu-ray/DVD player (stand-alone)
- ... VCR (video cassette recorder)
- ... Component stereo
- ... Portable media devices and smart phones
- 01 Not applicable
- 02 4 hours or less
- 03 5 to 10 hours
- 04 11 to 20 hours
- 05 21 to 30 hours
- 06 31 to 40 hours
- 07 41 to 55 hours
- 08 56 hours or more
- 97 Don't know
- 99 Not stated

Coverage: All respondents

Please indicate if the following electrical devices, which you (most frequently) use in your dwelling, are an ENERGY STAR qualified product?

- ... Television
- ... Home theatre system
- ... Blu-ray/DVD player (stand-alone)
- ... VCR (video cassette recorder)
- ... Component stereo
- ... Portable media devices and smart phones
- ... Personal computer (include laptop)
- ... Computer monitor
- ... Computer printer
- ... Water cooler
- 1 Not applicable
- 2 Yes
- 3 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

If you ...?

- 1 Have a television in your dwelling
- 2 Do not have a television in your dwelling
- 9 Not stated

Coverage: All respondents

What type of television(s) do you have in your dwelling?

- 01 Regular (tube)
- 02 Regular (tube) high definition (HD)
- 03 Projection
- 04 Direct light projection (DLP)
- 05 Liquid crystal display (LCD)
- 06 Plasma
- 07 Light emitting diodes (LED)
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who have a television in their dwelling

If you ...?

- 1 Have an analog/digital television receiver box in your dwelling
- 2 Do not have an analog/digital television receiver box in your dwelling
- 6 Valid skip
- 9 Not stated

Coverage: Respondents who have a television in their dwelling

What type of analog/digital television receiver box do you use in your dwelling?

- 1 Regular (analog) cable or satellite
- 2 Digital cable or satellite
- 3 Personal video recorder (PVR)
- 4 High definition (HD)
- 5 HD and PVR
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a television and an analog/digital receiver box in their dwelling

When you turn off your television, do you turn off the analog/digital receiver box?

- 1 Always
- 2 Sometimes
- 3 Never
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a television and an analog/digital receiver box in their dwelling

If you ...?

- 1 Use a computer in your dwelling
- 2 Do not use a computer in your dwelling
- 9 Not stated

Coverage: All respondents

What type of computer do you (most frequently) use in your dwelling?

- 1 Desktop
- 2 Laptop
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a computer in their dwelling

What type of computer monitor do you use with your (most frequently used) computer?

- 1 Regular (CRT)
- 2 LCD flat panel
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who (most frequently) use a desktop computer in their dwelling

When the (most frequently used) computer is turned off, the monitor ...

- 1 Remains on in stand-by mode (monitor turns on automatically with the computer)
- 2 Is turned off (monitor must be manually turned on)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who (most frequently) use a desktop computer in their dwelling

In a typical week, how many hours is the (most frequently used) computer on? Include stand-by mode.

- 000 Weekly – number of hours computer on
- 996 Valid skip
- 997 Don't know
- 999 Not stated

Coverage: Respondents who use a computer in their dwelling

In a typical week, how many hours do you spend using the (most frequently used) computer? Include the time used downloading even if you are not present at the computer.

- 000 Weekly – number of hours on computer
- 996 Valid skip
- 997 Don't know
- 999 Not stated

Coverage: Respondents who use a computer in their dwelling

If you ...?

- 1 Use a printer in your dwelling
- 2 Do not use a printer in your dwelling
- 6 Valid skip
- 9 Not stated

Coverage: Respondents who use a computer in their dwelling

Which statement best describes how you use your (most frequently used) printer?

- 1 The printer is manually turned on when the computer is turned on and manually turned off when the computer is turned off.
- 2 When using the computer, the printer is manually turned on only when needed and then manually turned off when not needed.
- 3 The printer is on or in stand-by mode all the time (even if the computer is off).
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who use a computer and a printer in their dwelling

SECTION – HEATING AND COOLING

In 2011, was the unit that supplied the heat to your dwelling a central unit (for your building or structure) or was it a unit specifically used by your dwelling only?

- 1 Dwelling unit
- 2 Central unit
- 7 Don't know
- 9 Not stated

Coverage: All respondents

In 2011, did you use a heat pump? A heat pump is an electrical device that can be used for heating and for cooling. It is typically located outdoors if it uses air source and indoors if it uses ground source (earth or water).

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit

Was your heat pump an air source or ground source (earth energy system)?

- 1 Air source
- 2 Ground source
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a heat pump

How old is your heat pump?

- 00 Specific age of heat pump in years
- 01 5 years or less
- 02 6 to 10 years
- 03 11 to 15 years
- 04 16 to 20 years
- 05 21 to 25 years
- 06 26 years or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a heat pump

Is your heat pump an ENERGY STAR qualified product?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a heat pump

Was your heat pump the main source of heat for your dwelling?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a heat pump

In 2011, what type of heating equipment provided most of the heat for your dwelling?

- 01 Furnace with forced air (hot air vents)
- 02 Boiler with hot water or steam radiators
- 03 Heating stove (burning wood, pellets, corn, coal...)
- 04 Electric radiant heating
- 05 Electric baseboards
- 06 Gas fireplace
- 07 Other
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit, and who did not use a heat pump or used a heat pump that was not the main source of heat for their dwelling

What source(s) of energy did your furnace/boiler/heating stove use? Please exclude the energy used for running the fan.

- 01 Electricity
- 02 Natural gas
- 03 Oil
- 04 Wood
- 05 Wood pellets
- 06 Propane
- 07 Other
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who had a furnace, boiler or heating stove providing most of the heat for their dwelling

If you ...?

- 1 Use a boiler in your dwelling
- 2 Use a furnace in your dwelling
- 3 Use a heating stove in your dwelling
- 6 Valid skip
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who had a furnace, boiler or heating stove providing most of the heat for their dwelling

Is your boiler an ENERGY STAR qualified product?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a boiler in their dwelling

Is your furnace an ENERGY STAR qualified product?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a furnace in their dwelling

What is the efficiency rating for your furnace?

- 1 High (the exhaust pipe is plastic and vents through the side of the house)
- 2 Medium (the exhaust pipe is metal and vents through the side of the house or through the roof)
- 3 Low (the exhaust pipe is metal and vents through the roof)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a furnace in their dwelling

How old is your heating equipment?

- 00 Specific age of heating equipment in years
- 01 5 years or less
- 02 6 to 10 years
- 03 11 to 15 years
- 04 16 to 20 years
- 05 21 to 25 years
- 06 26 years or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents whose heat was supplied by a dwelling unit and who used a heat pump that was not the main source of heat for their dwelling

How many of the following types of thermostats are used in your dwelling?

- ... Mechanical – built-in units
- ... Mechanical – wall units
- ... Electronic – non-programmable
- ... Electronic – programmable
- 00 Number of thermostats
- 97 Don't know
- 99 Not stated

Coverage: All respondents

In 2011, in addition to your main heating equipment, did your household use any other supplementary heating equipment?

- 1 Yes
- 2 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

What type of supplementary heating equipment did you use most often?

- 01 Electric baseboards
- 02 Portable electric heater
- 03 Woodstove
- 04 Wood fireplace
- 05 Gas fireplace
- 06 Electric fireplace
- 07 Furnace
- 08 Radiant floor heating
- 09 Other
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who used supplementary heating equipment in addition to their main heating equipment

If you ...?

- 1 Used a supplementary furnace in your dwelling
- 2 Did not use a supplementary furnace in your dwelling
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who used supplementary heating equipment in addition to their main heating equipment

What energy source did your supplementary furnace use? Please exclude the energy used for running the fan.

- 01 Electricity
- 02 Natural gas
- 03 Oil
- 04 Wood
- 05 Propane
- 06 Other
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who used a supplementary furnace in their dwelling

In an average week during the heating season, how many hours did you use the supplementary heating?

- 000 Weekly hours supplementary heating
- 995 Unsure, the heating equipment uses a thermostat
- 996 Valid skip
- 997 Don't know
- 999 Not stated

Coverage: Respondents who used supplementary heating equipment in their dwelling

If you ...?

- 1 Use wood or wood pellets for heating
- 2 Do not use wood or wood pellets for heating
- 9 Not stated

Coverage: All respondents

On average, how much wood do you burn in a heating season?

- 01 Full or bush cord
- 02 Face or stove cord
- 03 Full-sized pick-up truck (8 ft. box)
- 04 Compact-sized pick-up truck (6 ft. box)
- 05 Bag of firewood (64 bags = one full or bush cord)
- 06 Log (1 log = 16 in. in length)
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who used wood or wood pellets for heating

What type of wood did you use?

- 1 Hard wood
- 2 Soft wood
- 3 Hard and soft (mixed)
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who used wood or wood pellets for heating

If you used wood pellets, what was the quantity consumed in the past 12 months?

- 01 Did not use wood pellets
- 02 500 lb. (228 kg) or less
- 03 501 – 1000 lb. (229 to 455 kg)
- 04 1001 – 2500 lb. (455 to 909 kg)
- 05 2501 – 4000 lb. (910 to 1818 kg)
- 06 4001 – 5500 lb. (1819 to 2500 kg)
- 07 5501 lb. (2501 kg) or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who used wood or wood pellets for heating

Do you have a fireplace (wood, gas, or electrical) in your dwelling?

- 1 Yes
- 2 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

In 2011, how many wood-burning fireplaces did you have in your dwelling?

- 00 Number of wood-burning fireplaces
- 95 None
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who have a fireplace (wood, gas, or electrical) in their dwelling

In 2011, how many electric fireplaces did you have in your dwelling?

- 00 Number of electric fireplaces
- 95 None
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who have a fireplace (wood, gas, or electrical) in their dwelling

Is the primary purpose of the electric fireplace(s) to provide heat or for aesthetics?

- 1 Primarily for heat
- 2 Primarily for aesthetics
- 3 For both heat and aesthetics
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a fireplace (wood, gas, or electrical) in their dwelling

In 2011, how many gas-burning fireplaces did you have in your dwelling?

- 00 Number of gas-burning fireplaces
- 95 None
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who have a fireplace (wood, gas, or electrical) in their dwelling

What source(s) of energy did your gas-burning fireplace use?

- 1 Natural gas
- 2 Propane
- 3 Other
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a gas-burning fireplace in their dwelling

During the summer, did you turn the pilot light off?

- 1 Yes
- 2 No
- 3 No pilot light
- 6 Valid
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a gas-burning fireplace in their dwelling

Did your (most frequently used) gas-burning fireplace vent its exhaust out the chimney or out the side wall (direct vent)?

- 1 Out the chimney
- 2 Out the side wall (direct vent)
- 6 Valid
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a gas-burning fireplace in their dwelling

During an average heating season, how often did you use your (most frequently used) gas-burning fireplace?

- 1 Every day
- 2 Several times a week
- 3 A few times a week
- 4 A few times a month
- 5 Never
- 6 Valid
- 7 Don't know
- 9 Not stated

Coverage: Respondents who have a gas-burning fireplace in their dwelling

In 2011, did you have air conditioning for your dwelling?

- 1 Yes – Central air conditioning
- 2 Yes – Window/room air conditioning
- 3 No
- 6 Valid
- 7 Don't know
- 9 Not stated

Coverage: All respondents

How old is your central air conditioner?

- 00 Specific age of central air conditioner in years
- 01 5 years or less
- 02 6 to 10 years
- 03 11 to 15 years
- 04 16 to 20 years
- 05 21 to 25 years
- 06 26 years or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who had central air conditioning for their dwelling

Is your central air conditioner an ENERGY STAR qualified product?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who had central air conditioning for their dwelling

In 2011, how many window/room air conditioners did you use?

- 00 Number of window/room air conditioners
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who had window/room air conditioning for their dwelling

Was your (most frequently used) window/room air conditioner a ...?

- 1 Window-mounted (louvered) unit
- 2 Through-the-wall mounted (non-louvered) unit
- 3 Free-standing portable unit
- 4 Mini-split air conditioner
- 5 Wall-mounted heat pump/air conditioner
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who had window/room air conditioning for their dwelling

What was the cooling capacity of your (most frequently used) window/room air conditioner in Btus?

- 0000 Cooling capacity – air conditioner
- 9996 Valid skip
- 9997 Don't know
- 9999 Not stated

Coverage: Respondents who had window/room air conditioning for their dwelling

How old is the (most frequently used) window/room air conditioner?

- 00 Specific age of window air conditioner in years
- 01 5 years or less
- 02 6 to 10 years
- 03 11 to 15 years
- 04 16 to 20 years
- 05 21 to 25 years
- 06 26 years or more
- 96 Valid skip
- 97 Don't know
- 99 Not stated

Coverage: Respondents who had window/room air conditioning for their dwelling

Is your (most frequently used) window/room air conditioner an ENERGY STAR qualified product?

- 1 Yes
- 2 No
- 6 Valid skip
- 7 Don't know
- 9 Not stated

Coverage: Respondents who had window/room air conditioning for their dwelling

SECTION – ENERGY CONSUMPTION

Which of the following energy sources does your household use in your dwelling?

- 01 Electricity
- 02 Natural gas
- 03 Oil
- 04 Propane (do not include propane used for barbeques)
- 05 Wood
- 06 Solar
- 07 Wind power
- 08 Other
- 09 Do not use any sources of energy
- 97 Don't know
- 99 Not stated

Coverage: All respondents

Is anyone in your dwelling responsible for paying the bills for any of the following: Electricity/ Natural gas/Heating oil/Propane?

- 1 Yes
- 2 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

In 2011, on an average weekday, was there someone at home all day?

- 1 Yes
- 2 No
- 7 Don't know
- 9 Not stated

Coverage: All respondents

In 2011, for how many complete weeks was there no one at your dwelling?

- 00 Number of complete weeks no one was home
- 95 None
- 97 Don't know
- 99 Not stated

Coverage: All respondents