

Survey of Commercial and Institutional Energy Use, 2009

Collected under authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S19.

Si vous préférez recevoir cette feuille de travail en français, veuillez composer le 1-800-263-1136.

Information for the Respondant

The purpose of this survey

Statistics Canada, in partnership with Natural Resources Canada and Environment Canada, is conducting this survey to collect detailed information on the energy demand and consumption patterns of Canadian businesses, organizations and institutions as well as buildings. This survey collects data on the types and quantities of energy (such as electricity, natural gas etc.) consumed by small, medium and large businesses and institutions in Canada. One of the principal goals of Natural Resources Canada is to continually improve energy efficiency in Canada through various measures. Improving energy efficiency reduces greenhouse gas emissions that contribute to climate change. Given the current energy situation, this survey will be used to assess how well Canada is fulfilling its commitment both to increasing energy efficiency and reducing greenhouse gas emissions.

This worksheet is designed to help you gather the required information prior to our personal interview that will take place. Gathering this information prior to your personal interview is crucial to the success of this initiative. You will be contacted shortly to set up an interview time that works for you.

Your participation is important

This survey is conducted under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S19. Completion of this survey is mandatory and your co-operation is essential to ensure the accuracy of the information collected.

The data you report are confidential

Statistics Canada is prohibited by law from publishing or releasing any statistics which would divulge information obtained from this survey that relates to any identifiable business, organization or institution without the previous consent of that business or institution. The data reported in this worksheet will be treated in strict confidence, used for statistical purposes and published in aggregate form only. The confidentiality provisions of the *Statistics Act* are not affected by either the *Access to Information Act* or any other legislation.

Data sharing agreements

For information on data-sharing agreements, please refer to the letter included in this package.

1. For the purpose of this worksheet, please indicate the 12 month period in which you are reporting. The target of this survey is to capture data for 2009. If a fiscal period is being reported, please report for the fiscal year in which the most months are in 2009.

	Year	Month		Year	Month
0101	20	0102		0103	20
Starting		Ending			

2. As of December 2009, what was the gross building area?

- Include all enclosed floors of the building, such as indoor parking, mechanical areas, common areas and basements.
- If you don't know the exact area, please provide your best estimate (i.e. multiply the length of your building by its width and by the number of floors).

Please provide the specific area: 0201

What is the area measured in? 0202 01 Square meters 03 Square feet

3. As of December 2009, what was the total rentable floor area occupied by your organization?

- Exclude indoor parking, and areas occupied by other organizations.
- If your organization occupies space in more than one building, the total rentable area should include the space occupied by your organization in all buildings.
- If you don't know the exact area, please provide your best estimate.

Please provide the specific area:

0301

Is that measured in:

0302 01 Square meters 03 Square feet

4. What percentage of the gross building area occupied by this organization was heated to at least 10 degrees Celsius (50 degrees Fahrenheit) during 2009, including basements and enclosed garages?

0401 %

5. What percentage of the gross building area occupied by this organization was air conditioned during 2009, including basements?

0501 %

6. If your building is a warehouse space, please provide the volume of refrigerated space for the following categories?

- Volume of space cooled to 1 degree Celsius or higher
- Volume of space cooled between 0 and -28 degrees Celsius
- Volume of space cooled below -28 degree Celsius

0601

0602

0603

What are these volumes measured in?

0604 01 Cubic feet
03 Cubic meters

7. In which year was construction completed for the building?

If portions of the building were constructed at different times, please provide the year in which construction was completed for the largest portion.

0701

8. Please indicate the total number of normal operating hours for your building during a typical week.

Please exclude any time when maintenance, house-keeping, or security staff are working outside of the normal operating hours. If the hours vary for different parts of the building or complex, report for that area which is open the longest.

0801

9. If your building is an elementary or secondary school, how many students can be seated in all of the classrooms in this building at one time?

0901

10. If your building is an elementary or secondary school with portables, are the portables electrically powered by the main building supply?

1001 01 Yes
03 No

11. If your building is a hospital or nursing and residential care facility, what is the inpatient licensed bed capacity?

1101

12. How many people worked in the building during its main shift in 2009?

By main shift, we mean the shift when most people are in the building.

1201

13. Please indicate the number of the following used in your building as of december 2009.

Type of Device	Number of Devices
Computers including laptops and other electronic devices with a micro-processor Exclude cash registers and battery-operated hand-held devices.	1301 <input type="text"/>
Computer servers A computer server is a computer system that provides essential services over a computer network. Do not include personal computers or laptops.	1302 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Vending machines	1303 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Cash registers	1304 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Medical diagnosis or treatment machines (e.g., X-ray, CAT scan, MRI, dialysis, ultrasound)	1305 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Printers, photocopiers, fax machines and multi-functional devices (e.g. combined printer copier and fax)	1306 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Automated Teller Machines (ATMs or bank machines)	1307 <input type="text"/> <input type="text"/> <input type="text"/>
Major domestic appliances (appliance such as stoves, microwave ovens, refrigerators, freezers, dishwashers)	1308 <input type="text"/> <input type="text"/> <input type="text"/>
Commercial food preparation appliances (e.g. stoves, ovens, refrigerators, freezers and dishwashers found in a cafeteria or restaurant)	1309 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Laundry washers and dryers	1310 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Sterilisation equipment	1311 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
14. If this building is a retail space, does it have open or closed refrigerated cases or freezer cases?	1401 <input type="radio"/> 01 Yes – Continue <input type="radio"/> 03 No – Go to Question 19
15. What is the total length of the <u>open refrigerated</u> cases? Is that measured in:	1501 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 1502 <input type="radio"/> 01 Meters <input type="radio"/> 03 Feet
16. What is the total length of the <u>closed refrigerated</u> cases? Is that measured in:	1601 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 1602 <input type="radio"/> 01 Meters <input type="radio"/> 03 Feet
17. What is the total length of the <u>open freezer</u> cases? Is that measured in:	1701 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 1702 <input type="radio"/> 01 Meters <input type="radio"/> 03 Feet
18. What is the total length of the <u>closed freezer</u> cases? Is that measured in:	1801 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> 1802 <input type="radio"/> 01 Meters <input type="radio"/> 03 Feet

19. Which of the following types of heating equipment were used for space heating in this building?

Check all that apply.

- 1901 None
- 1902 Furnaces that heat air directly, without using steam or hot water
- 1903 Packaged central unit (roof mounted)
- 1904 Boilers inside (or adjacent to) the building that produce steam or hot water
- 1905 District steam or hot water piped in from outside the building
- 1906 Heat pumps – packaged
- 1907 Heat pumps – residential-type split system
- 1908 Heat pumps – individual room system
- 1909 Individual space heaters, other than heat pumps
- 1910 Other (Please Specify)

1911

20. Which of the following types of cooling equipment were used for space cooling?

Check all that apply.

- 2001 None
- 2002 Residential-type central air conditioners, other than heat pumps, that cool air directly and circulate it without using chilled water
- 2003 Packaged air conditioning units, other than heat pumps
- 2004 Central chillers inside (or adjacent to) the building that chill water for air conditioning
- 2005 District chilled water piped in from outside the building
- 2006 Heat pumps for cooling – packaged unit
- 2007 Heat pumps for cooling – residential-type split system
- 2008 Heat pumps for cooling – individual room heat pump
- 2009 “Swamp” coolers or evaporative coolers
- 2010 Other (Please Specify)

2011

21. Were any of the following renovations or retrofits executed during the years 2005 to 2009?

Check all that apply.

- 2101 None
- 2102 Lighting
- 2103 Cooling equipment
- 2104 Heating equipment
- 2105 Insulation of basement, roof or walls
- 2106 Windows
- 2107 Plumbing
- 2108 Addition or annex
- 2109 Reduction of enclosed floor space
- 2110 Other, please specify:

2111

22. For the 2009 calendar year, please indicate the main source of energy used to heat your building as well as any alternate sources used.

Energy Source	Main Energy Source for Space Heating Mark (✓) one only		Alternate Energy Source for Space Heating Mark (✓) all that apply	
None	2201	01 <input type="radio"/>	2202	<input type="radio"/>
Electricity		02 <input type="radio"/>	2203	<input type="radio"/>
Natural Gas		03 <input type="radio"/>	2204	<input type="radio"/>
Light Fuel Oil		04 <input type="radio"/>	2205	<input type="radio"/>
Diesel		05 <input type="radio"/>	2206	<input type="radio"/>
Kerosene		06 <input type="radio"/>	2207	<input type="radio"/>
Propane or Other Bottled Gas		07 <input type="radio"/>	2208	<input type="radio"/>
District Steam purchased from an off-site plant		08 <input type="radio"/>	2209	<input type="radio"/>
District hot water purchased from an off-site plant		09 <input type="radio"/>	2210	<input type="radio"/>
District chilled water purchased from an off-site plant		10 <input type="radio"/>	2211	<input type="radio"/>
Wood or wood by-products		11 <input type="radio"/>	2212	<input type="radio"/>
On-site electricity generation (e.g. solar)		12 <input type="radio"/>	2213	<input type="radio"/>
Other – Specify		13 <input type="radio"/>	2214	<input type="radio"/>
	2215	<input type="text"/>	2216	<input type="text"/>

23. For the 2009 calendar year, please indicate only the main source of energy used to cool your organization. Also for 2009, please indicate the main source of energy used for domestic water heating (water used for consumption, not for space heating).

Energy Source	Main Energy Source for Space Cooling Mark (✓) one only		Main Energy Source for Domestic Water heating Mark (✓) one only	
None	2301	01 <input type="radio"/>	2302	01 <input type="radio"/>
Electricity		02 <input type="radio"/>		02 <input type="radio"/>
Natural Gas		03 <input type="radio"/>		03 <input type="radio"/>
Light Fuel Oil		04 <input type="radio"/>		04 <input type="radio"/>
Diesel		05 <input type="radio"/>		05 <input type="radio"/>
Kerosene		06 <input type="radio"/>		06 <input type="radio"/>
Propane or Other Bottled Gas		07 <input type="radio"/>		07 <input type="radio"/>
District Steam purchased from an off-site plant		08 <input type="radio"/>		08 <input type="radio"/>
District hot water purchased from an off-site plant		09 <input type="radio"/>		09 <input type="radio"/>
District chilled water purchased from an off-site plant		10 <input type="radio"/>		10 <input type="radio"/>
Wood or wood by-products		11 <input type="radio"/>		11 <input type="radio"/>
On-site electricity generation (e.g. solar)		12 <input type="radio"/>		12 <input type="radio"/>
Other – Specify		13 <input type="radio"/>		13 <input type="radio"/>
	2303	<input type="text"/>	2304	<input type="text"/>

