

Survey of Commercial and Institutional Energy Use, 2009

Building

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 Respondent

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 consumption patterns of Canadian buildings. This survey collects data on the types and quantities of energy (such as electricity, natural gas etc.) consumed by buildings 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 on the 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	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

<p>3. 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. Please provide the specific year.</p>	<p>0301 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>4. If your building is a warehouse space, please provide the volume of refrigerated space for the following categories?</p> <ul style="list-style-type: none"> • 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 <p>What are these volumes measured in?</p>	<p>0401 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>0402 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>0403 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>0404 01 <input type="radio"/> Cubic feet 03 <input type="radio"/> Cubic meter</p>
<p>5. 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.</p>	<p>0501 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>6. 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?</p>	<p>0601 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>7. If your building is an elementary or secondary school with portables, are the portables electrically powered by the main building supply?</p>	<p>0701 01 <input type="radio"/> Yes 03 <input type="radio"/> No</p>
<p>8. If your building is a hospital or nursing and residential care facility, what is the inpatient licensed bed capacity?</p>	<p>0801 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>9. 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.</p>	<p>0901 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>10. Please indicate the number of computers including laptops and other electronic devices with a micro-processor that were in use in your building as of December 2009. Exclude cash registers and battery-operated hand-held devices.</p>	<p>1001 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>11. Please indicate the number of computer servers that were in use in your building as of December 2009. A computer server is a computer system that provides essential services over a computer network. Do not include personal computers or laptops.</p>	<p>1101 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>12. Please indicate the number of cash registers that were in use in your building as of December 2009.</p>	<p>1201 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>13. If your building is a hospital or medical office building, please indicate the number of medical diagnosis or treatment machines (e.g., X-ray, CAT scan, MRI, dialysis, ultrasound) that were in use in your building as of December 2009.</p>	<p>1301 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>
<p>14. If this building is a retail space, does it have open or closed refrigerated cases or freezer cases?</p>	<p>1401 01 <input type="radio"/> Yes – Continue 03 <input type="radio"/> No – Go to Question 19</p>

<p>15. What is the total length of the <u>open refrigerated</u> cases?</p> <p>Is that measured in:</p>	<p>1501 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>1502 01 <input type="radio"/> Meters 03 <input type="radio"/> Feet</p>
<p>16. What is the total length of the <u>closed refrigerated</u> cases?</p> <p>Is that measured in:</p>	<p>1601 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>1602 01 <input type="radio"/> Meters 03 <input type="radio"/> Feet</p>
<p>17. What is the total length of the <u>open freezer</u> cases?</p> <p>Is that measured in:</p>	<p>1701 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>1702 01 <input type="radio"/> Meters 03 <input type="radio"/> Feet</p>
<p>18. What is the total length of the <u>closed freezer</u> cases?</p> <p>Is that measured in:</p>	<p>1801 <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p>1802 01 <input type="radio"/> Meters 03 <input type="radio"/> Feet</p>

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 <input type="radio"/> None	2107 <input type="radio"/> Plumbing
2102 <input type="radio"/> Lighting	2108 <input type="radio"/> Addition or annex
2103 <input type="radio"/> Cooling equipment	2109 <input type="radio"/> Reduction of enclosed floor space
2104 <input type="radio"/> Heating equipment	2110 <input type="radio"/> Other, please specify:
2105 <input type="radio"/> Insulation of basement, roof or walls	2111 <input type="text"/>
2106 <input type="radio"/> Windows	

