Survey of Commercial and Institutional Energy Use, 2014

Establishment - worksheet

	corrections below.
	Legal name
C0001	
	Business name
C0002	
	Title of contact
C0021	
	First name of contact
C0008	
	Last name of contact
C0028	
0′ 14	Address (a limber and street)
	City Province/territon/state
00005	C0006
	Country Rostal code
C0053	
	Email address
C0009	
	Preferred 1 2

French

English

Confidential when completed.

GENERAL INFORMATION

This information is collected under the authority of the Statistics Act, Revised Statutes of Canada, 1985, Chapter S-19.

COMPLETION OF THIS QUESTION NAME IS A LEGAL REQUIREMENT UNDER THIS ACT.

The purpose of this survey

Statistics Canada, in partnership with Natural Resources Canada, is conducting this surveyor collect retained information on the energy demand and consultation in patterns of Canadian businesses, organizations are institution, this survey collects data on the types and quantities of elegry (such as electricity natural gas etc.) consumed by businesses and institutions in Canada. One of the principal goals of Natural Resources Canada is to continually more energy efficiency in Canada through various measures. In proving energy efficiency reduces greenhouse gas emissions that contribute to climate change. The information may also be used by Statistics Canada for other statistical and research purposes.

This workshop 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. Ou will be contacted should to set up an interview time that works for you.

Data-sharing agreements

To reduce respondent burken, Statistics Canada has entered into data-sharing agreement, with provincial and territorial statistical agencies and other government organizations, which have agreed to keep the lata confidential and use them only for statistical purposits.

Information on lata haring agreements can be found on the last page of this questionnaire.

Record linkages

To enhance the data from this survey, Statistics Canada may combine it with information from other surveys or from administrative sources.

Fax or email transmission disclosure

Statistics Conada a vises you that there could be a risk of discourse durable transmission of information by facsimile or e-mail However, upon receipt, Statistics Canada will provide the guaranteed level of protection afforded to all information collected under the authority of the Statistics Act.

Confidentiality

Statistics Act protects the confidentiality of information collected by Statistics Canada. Statistics Canada is prohibited by law from releasing any information it collects that could identify any person, business, or organization, unless consent has been given by the respondent or as permitted by the Statistics Act. Statistics Canada will use the information from this survey for statistical and research purposes.

Who should complete this questionnaire?

This questionnaire should be completed by a manager or facilities manager with a thorough knowledge of your organization's energy use.

Where to find energy-consumption information?

Common sources for finding your organization's energy consumption include your utility bills, your energy management information system, your utility company, as well as your landlord or property manager.

Reporting

Please report on all energy consumed during the 2014 calendar year.

If you prefer to return your completed questionnaire by fax, please send it to: 1-888-883-7999.

5-5300-544.1 Worksheet: 2014-12-04





Which building(s) and space should you report for?

Your establishment may occupy (i.e. conduct business operations in) all or a portion of one building or it may occupy all or a portion of several buildings at the same location or at different locations. When completing this questionnaire, please report for the total space occupied in all buildings by the establishment identified on the front page of the questionnaire.

Your organization was selected from a list of establishments. For this survey, 'establishment' is a statistical term that refers to the entity or the smallest grouping of entities that provides a homogenous set of services and does not cross provincial boundaries. An establishment maintains accounting records from which it is possible to assemble all the information required to calculate the full value of production or service (total sales or shipments, inventories, costs of goods and services, salaries and wages, etc.).

The survey data will be used to measure energy consumption and calculate energy in ensity of different industries in Canada's commercial and institutional sector. To determine energy intensity, we need the total energy consumption associated with your business activities and the floor space occupied (i.e., used) by your organization for these activities.

Example 1: Transportation service establishment

This organization provides public transportation. Space occupied by this organization includes: the main of (ce where the administration staff work; a wash bay where energy is used to that water used to wash the bases and a remote space rented from another party but used exclusively by this establishment to sell transportation passes All these spaces should be included.

This organization also rents out part of the space in one of its buildings to a restaurant when some staff members eat their lunches on a daily basis. This restaurant is run independently and managed by a different organization. The floor space and energy associated with this restaurant should be excluded.

Example 2: Learning centre

This learning centre is located in several buildings on the same campus. The main administration manages all the buildings, pays the bills, orders supplies etc. The campus sometimes rents the gymnasium out for special events. The gymnasium should still be included in the floot space occupied by an organization. This centre has external electric outlets for block heaters used by vehicles owned by the organization. Energy used for block heating should be included. Energy used to operate those vehicles should be excluded.

Example 3: Retail Business

This organization is located in three separate buildings including a war shouse, but only one location keeps track of the number of employees. Which this should be included in this survey. However, one building has space that is leased to another organization in a floor space leased to the other organization should be excluded.



A. STRUCTURE AND OCCUPANCY

During the 2014 calendar year, which option below best characterises your organization's building occupancy type?

Mark (✓) one only

C01000

	Sole occupancy	Shared occupancy (at least one building has multiple businesses)
One building	N/A	2
Group of buildings in the same location	3	4
Group of buildings at different locations	5	6

	One building	N/A			2
	Group of buildings in the same location	3			4
	Group of buildings at different locations	5		•	6
				×	
2.	If your organization <u>occupies</u> space in m	ore than one buildi	g, please	specify how	many buildings.
	Building(s)	D	dikey		
	As of December 31, 2014, what was the Include space occupied directly in all building Exclude space in your buildings man is occupied Exclude indoor parking. To be occupied Square feet (ft²)	ngs included in question in the state of the	on 2.		organization?
4a.	During the 2014 colendar year, which mo	onth was your orga	ınization iı	n operation?	
	1 12 months or only the following	g montris:			
	Mark (✓) all that apply				
1	January Con 19	May	C05009	September	
	COSL >2 February CO5006	June	C05010	October	
	C05003 March C05007	July	C05011	November	
	C05004 C05008	August	C05012	December	
4b.	Please indicate the number of operating Please exclude any time when maintenance operating hours. If the hours vary for different that area which is open the longest.	e, housekeeping, or se	ecurity staff	f are working o	utside of the normal
	Hour(s) during a typical wee	k in 2014			

- 5. As of December 31, 2014, what was the total number of <u>full-time equivalent employees</u> that worked for your organization?
 - Full-time equivalent employees work 30 hours or more per week.
 - Please convert part-time employees to full-time equivalent. For example, two part-time workers who each work 15 hours a week can be considered one full-time equivalent.
 - Exclude contractors and volunteers.

C06000				

Full-time equivalent employee(s)

B. EQUIPMENT COUNTS

- 6. As of December 31, 2014, how many of the following type of devices were <u>in use</u> by year organization?
 - Include devices that are in use (plugged in) in the floor space reported in question 3.
 - If you don't know the exact number, please provide your lest estinate.

Type of device	number of devices
Computers Include personal computers and laptops. Exclude cash registers and battery-operated hand-held devices servers in a dedicated server computers.	207000
Cash registers Include self-serve check-outs. Exclude portable, hand-held devices.	C07013
Televisions/electronic displays/k CPs • Do not include desk computer monitors.	C07002
Printers, photocopiers fax muckines and multi-functional devices	C07003
Commercial appliance Include commercial appliances such as freezers, refrigerators dishwasher, stoves and ovens, microwaves, washer, an action. Exclude walt-inversiger fors and freezers. Exclude regigerated and accept food display cases.	C07004
Domestic appliances Include domestic appliances such as freezers, refrigorators, rishwasher, stoves and ovens, microwates, washers and dryers.	C07005
Magnetic Resonance Imaging (MRI)	C07010
lectronic sterilization equipment	C07011
Vending machines	C07012

C. ENERGY USE

- 7a. For the 2014 calendar year, please report the quantity and expenditure for each energy source or domestic water consumed by your organization, for the space indicated in question 3.
 - Please report expenditures in Canadian dollars.
 - Exclude fuel or energy used for transportation.
 - Include taxes, service charges and any rebates (total amount on your utility bill).
 - If your landlord pays your energy bills, please consult landlord for values.
 - Please report electricity generated on site separately in questions 9 to 11.

Energy source	Quantity consumed by your organization	Unit of measure	Expenditure for energy AD \$ (onlineents)	Are the energy costs included in your lease payments?
Purchased Electricity	C08000	C08001 1 Kilowatt-hours (kWh) 2 Megawatt-hours (IWh) 3 Gigajoules (Gu) 4 Other - Please specify C08002	.00	1 Yes 3 Nartial 5 N/A
Natural gas	C08100	Costo 1 Cubic metres (m³) 2 Litres (L) Cubic feet (ft³) 4 Gigajoules (G) 5 Million Brush hermal units (MMBtu) 6 Cher - Please specify Costo2	\$.00	C08104 1 Yes 3 No 4 Partial 5 N/A
Light fuel oil	C08200	G8201 Litres (L) Gigajoules (GJ) Gallons (US) Gallons (UK) Other - Please specify C08202	\$.00	C08204 1 Yes 3 No 4 Partial 5 N/A
Diesel (explude energy used for transportation)	C08300	C08301 1 Litres (L) 2 Gigajoules (GJ) 3 Gallons (US) 4 Gallons (UK) 5 Other - Please specify C08302	\$.00	C08304 1 Yes 3 No 4 Partial 5 N/A

Energy source	Quantity consumed by your organization	Unit of measure	Expenditure for energy CAD \$ (omit cents)	Are the energy costs included in your lease payments?
Kerosene	C08400	C08401 1 Litres (L) 2 Gigajoules (GJ) 3 Gallons (US) 4 Gallons (UK) 5 Other - Please specify C08402	\$.00	C08404 1 Yes 3 No 4 Partial 5 N/A
Propane or other bottled gas	C08500	C08501 1 Litres (L) 2 Kilograms (Lt) 3 Giga, tules (GJ) 4 Counts (Lts) Million British thermal Litts (MMBtu) Coner - Please specify	COSS (OR PROPERTY OF A PARTY OF A	C088. 1
District <u>steam</u> from an off-site plant	C0860Q	C08601 1 Kilograms (kg) 2 Giodjoules (GJ) 3 Milhon British thermal units (MBH) 4 Other Please specify	\$.00	C08604 1 Yes 3 No 4 Partial 5 N/A
Distinct hot water from an off-site plant	68700	C08701 Gigajoules (GJ) Million British thermal units (MMBtu) Other - Please specify C08702	\$.00	C08704 1 Yes 3 No 4 Partial 5 N/A
District chilled water from an off-site plant	C08800	C08801 1 Gigajoules (GJ) 2 Million British thermal units (MMBtu) 3 Other - Please specify C08802	\$.00	C08804 1 Yes 3 No 4 Partial 5 N/A

Energy source	Quantity consumed by your organization	Unit of measure	Expenditure for energy CAD \$ (omit cents)	Are the energy costs included in your lease payments?
Wood	C08900	C08901 1 Full cords 2 Pellets (tonnes) 3 Tonnes (metric) 4 Pounds (lbs) 5 Other - Please specify C08902	\$.00	C08904 1 Yes 3 No 4 Partial 5 N/A
Other energy source consumed - Please specify C08915	C08910	C08911 1 Litres (L) 2 Cubic metre (m³) 3 Gigajo les (GJ) 4 Ivition Estrala thermal units (MMBtu) Other - Please specify	\$ 6 0 10 0 10 0 10 0 10 0 10 0 10 0 10 0	1 Yes No Partial N/A
Domestic water Domestic water consumed	Quantity cursumed by this organization	Unit of measure	Expenditure for domestic water CAD \$ (omit cents)	Are the water costs included in your lease payments?
NO.	Not metered	2 Cabbo metres (m³) 3 Caber - Please specify C0892		No Partial N/A

7b. Does the energy use you reported in 7a account for all the energy consumed by this organization?

C08930	1	Yes	⇒ So to question 9.
	3	No	

8.	For the 2014 calendar year, which types of energy usage were not included in 7a? Mark (<) all that apply	
	Heating of space	
	Water heating (water used for consumption)	
	Cooling of space	
	Plug load and lighting (electricity)	
	Other usage - Please specify	
	C09006	•
9.	Does your organization use electric power generated on-site at any of its location?? • Include emergency power generation.	_
	C12000 1 Yes 3 No ⇔ Go to question 12.	
10.	What energy sources were used for or site electric power generation?	
	Energy source(s)	
	Energy source for an site electricity generation Mark (/) all that apply	
	Natural gas	
	Light fuel oil, diesel, kurosen	
	Propane or other koulled gas	
	Wood C13011	
	Solar C13012	
	Other energy source for electricity generation – Please specify 13020	
	C1N 20	
44	During the CM 4 calcular years have proved also tricity was generated an aita including an arrangement.	_
11.	During the 2014 calendar year, how much electricity was generated on-site, including emergency generated usage?	
	measured in: C14001 1 Kilowatt-hours (kWh)	
	³ Gigajoules (GJ) _{C14002}	
	⁵ Other - Please specify	

12. During the 2014 calendar year, what was the <u>principal energy source</u> used for <u>heating space</u> in the building(s) occupied by your organization?

• The principal energy source is the source used to heat the largest proportion of floor area in the buildings you occupy.

Energy source	Principal energy source for heating Mark (√) one only
Electricity	C18102
Natural gas	C18103
Light fuel oil	C18104
Diesel	C18105
Kerosene	C18106
Propane or other bottled gas	C1810
District steam from an off-site plant	C181
District hot water from an off-site plant	200
Wood	22111
Solar	C18112
Other energy source for heating space Please specify	C18119
C18120	
None - occupied space not heated	C18101

13. During the 2014 calendar year, what was the <u>principal energy source</u> used for <u>cooling space</u> in the building so occupied by your organization?

The principal energy source is the source used to sool the largest proportion of floor area in the buildings you occupy.

Energy source	Principal energy source for cooling Mark (√) one only
Electricity	C20102
Natural gas	C20103
District chilled water from an off-site plant	C20110
Other energy source for cooling space – Please specify 620120	C20119
None - occupied space not cooled	C20101

14.	During the 2014 calendar year, what was the principal energy source used for domestic water
	heating in the building(s) occupied by your organization?

- Domestic water heating includes water used for washing hands, dishwashers etc.
- Exclude water used for heating space.

Energy source	Principal energy source for water heating Mark (√) one only
Electricity	C22102
Natural gas	C22103
Light fuel oil	C22104
Diesel	C22105
Kerosene	C2210
Propane or other bottled gas	No Car
District steam from an off-site plant	08
District hot water from an off-site plant	C2 109
Wood	C22111
Solar	C22112
Other energy source for domestic water heating – Please specify 022120	C22119
None - no hot water available	C22101

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ıJ.	Dues yu	ii Oiga	IIZ CIOII	Hack its ci	ileigi use	Over time:

C10000 1

No ⇒ Go to page 11

16 Which system do you se to track your organization's energy use over time?

Mark (√) **all** that apply

Spreadsheat as exped in-house

C11001 Gills comparison

ENERGY STAR® Portfolio Manager

Other tracking system - *Please specify*

C11004

CONTACT INFORMATION							
First name of person to contact about this questionnaire		Last name of person to contact about this questionnaire					
Title C0014							
Telephone number	Extension C0027	Fax number					
Email address		Date (YYYY-MM DI)					
Website address							
		C)					
	SURVEY COM	NETION-IME					
How long did you spend collecting		(5)					
hour(s)		A Collection maine of the collection of the coll					
	MINIO	ENTS S					
Please be assured that we review all comments with the intent of improving the survey.							
C9920	2						
C9913							
C9914	00						
C9915		()	٦				
C9916	90.						
C9917	60		1				
		PATING IN THIS SURVEY website at www.statcan.gc.ca/survey					

DATA-MARING AGREEMENTS

To resince respondent burden, Statistical Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have a feed to keep the data confidential and use them only for statistical purposes. Statistics Canada will only share data from this survey with those organizations that have demonstrated a requirement to use the data.

Section 11 of the Statistics Act, volid by the sharing of information with provincial and territorial statistical agencies that meet certain conditions. These agencies must have the legislative authority to collect the same information, on a mandatory basis, and the legislation must provide substantially the same provisions for a infidentiality and penalties for disclosure of confidential information as the Statistics Act. Because these agencies have the legal authority to compel but besses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, the example of Newfoundland and Labrador, Nova Scotia, New Brundvick, Quibec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, and Yukon. The shared data will be limited to information pertaining to usiness establishments located within the jurisdiction of the respective province or territorial government organizations.

Section 12 of its *St distics Act* provides for the sharing of information with federal, provincial or territorial government organizations. Under **Section 12**, you may refuse to share your information with any of these organizations by writing a letter of objection to the Chief Statistician and returning it with the completed questionnaire. Please specify the organizations with which you do not want to share your data.

For this survey, there are **Section 12** agreements with the statistical agencies of Prince Edward Island, the Northwest Territories and Nunavut as well as with Natural Resources Canada, Environment Canada, the British Columbia Ministry of Energy and Mines and the British Columbia Ministry of Natural Gas Development.

For agreements with provincial and territorial government organizations, the shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.