Small Business and Special Surveys Division



Electricity and Useful Thermal Energy Production (Commercial and Institutional Consumption of Energy Survey, 2005)

CONFIDENTIAL when completed

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

Français au verso

	using the corresponding boxes below:
001	
002	Number and street
003	City
004	Province Postal code

Correct pre-printed information on label if necessary

The purpose of this survey

Statistics Canada, in partnership with Natural Resources Canada, is conducting this survey to collect detailed information on the energy demand and consumption patterns of Canadian businesses, organizations and institutions. This questionnaire collects data on the electricity production, steam generation and cogeneration activities of businesses, institutions and organizations across 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 emission. That contribute to climate change. Given the current energy situation, this survey will be used to assess how we'l Canada is fulfilling its commitment both to increasing energy, enciciency and reducing greenhouse gas emissions.

Your participation is important

This survey is conducted under the authority of the Statistics Act, Revised Statutes of Canada, 1965, Chapter S19. Completion of this questionnaire is coluntary. However, 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 statictics which would divulge information obtained from this survey that relates to any identifiable business, organization or institution without the previous written consent of that business or institution. The data

reported on the questionnaire will be treated in strict confidence and used only for statistical purposes. The confidentiality provisions of the *Statistics Act* are not affected by either the *Access to Information Act* or any other legislation.

Data sharing agreements

Statistics Canada has entered into a data sharing agreement order Section 12 of the *Statistics Act* with Natural Resources Canada for the sharing of information from this survey. The department will not be given your name, address or identifying information. They will keep the information confidential and use it only for statistical purposes. Under Section 12, you may refuse to share your information by writing to the Chief Statistician of Canada and returning your letter of objection along with your completed questionnaire.

Completion and Return

Please complete and return within 20 days after receipt of this questionnaire. If you have any questions regarding this survey, or require assistance completing it, please call us toll-free:

Small Business and Special Surveys Division

Telephone (toll free): 1-866-888-0379

Please quote the nine digit reference number appearing on the address label.

Please complete th	e following information	
Name of Respondent	006	
Title of Respondent	007	
Telephone number	008 () — ext.	

5-5200-15: 2006-05-04 STC/SBS-524-75340





CO-GENERATION

Co-generation is defined as the simultaneous generation of electricity and useful thermal energy (e.g. steam) in one process and from the same fuel source. Types of co-generation units/systems include condensing steam turbines, combined cycle gas turbines, etc.

1. Does this business, organization or institution have a co-generation unit / system?

Yes No	→ please go to	question 4						
calendar year 2electrical anthe amountthe amounts	ration units/syster 2005, and indicate: d thermal capacity of electricity and th s of electricity and t by your establishme	(as a total for ermal energy hermal energy	all units) produced	(as a t	total for all	units)	.1	
			Α		В		C	D
Co-generation Product	Unit of Me	asure	Tota Capad		Total Amo		Total Amount Sold to another establishment	Total Amount Consumed at your establishment (column B-column C)
Electricity	other (please sp		013		01		015	016
Useful thermal energy (e.g. steam)	other (please sp		.0	7	020		021	022
	the quantity and 5 (as a total for all			f each	fuel used	in you	ır co-generatio	n units/
Ener	gy Form	Quantit	ty		En	ergy	Unit of Measure	
Natural gas	R	023	02	²⁴ 1 C	m³ ² (⊃ L se spec	³ ft ³ ⁴ (○ GJ
Propane		026	0:	²⁷ 1 C	m³ ²(L se spec	³ ft ³ ⁴ (○ GJ
Diesel	Y	029	03	³⁰ 1 C	m³ ²(⊃ L se spec	3 \bigcirc ft ³ 4 (GJ
Other middle di		032	03	³³ 1 C	m³ ²(⊃ L se spec	1004	GJ
Heavy fuel oil		035	0:	³⁶ 1 C	m³²(L se spec	0	GJ
Wood and wood (e.g. hog fuel, wa pellets, etc.)		038	03	³⁹ 1 C	tonnes (m	,	• •	s) ³ Cords
Other (please sp	pecify)	042		Please	specify unit	of me	asure	

043

041

	ELECTRICITY PRODUCTION
4.	Did your establishment produce electricity through a mechanism other than a co-generation unit/system, in 2005?

5.	For all electricity generation units (other than co-generation units) at your establishment, please complete
	the following table for the calendar year 2005, and indicate:

- a. electrical capacity (as a total for all units)
- b. the amount of electricity produced (as a total for all units)

please go to question 7

c. the amounts of electricity that were sold or consumed by your establishment

		Α	В	^	D
	Unit of Measure	Total Electric Capacity	Total Electricity Produced	Total L'ect/icity Sold to another	Total Electricity Consumed at your establishment
				establishment	(column B-column C)
Electricity	045	047	048	049	050
Generation	$1 \bigcirc KWh 2 \bigcirc MWh 3 \bigcirc GJ$				
Units	other (please specify)				
(other than co- generation units)	1046		O ′		

6. Please indicate the quantity and energy unit measure of each fuel used to produce <u>electricity</u> in 2005 (as a total for all electricity generation (other than co-generation) units at your establishment):

Energy Form	Quantity	Energy Unit of Measure
Ellergy Form		
Natural gas	051	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Propane	0.4	1 m³ 2 L 3 ft³ 4 GJ 5 other (please specify)
Diesel	057	1 m³ 2 L 3 ft³ 4 GJ 5 other (please specify)
Other middle distillates – light fuel oil, kerosene, etc.	060	1 m³ 2 L 3 ft³ 4 GJ 5 other (please specify)
Heavy fuel oil	063	1 m³ 2 L 3 ft³ 4 GJ 5 other (please specify)
Wood and wood by-products (e.g. hog fuel, wastewood, bark, pellets, etc.)	066	1 tonnes (metric) 2 lbs (pounds) 3 cords 5 other (please specify) 068
Other (please specify)	070	Please specify unit of measure

								•
			STEAM	I GENI	ERATIC	N		
7.	Did your establin 2005?	ishment produce s	steam throug	h a med	hanism	other than a co	-generation uni	t/system,
	072 1 Yes							
	³ No	→ please go to t	the end of the	questio	nnaire.			
8.		roduction units (ot for the calendar ye				s) at your establ	ishment, please	e complete the
	a. thermal cap	acity (as a total for	all units)					
		of steam produced	•		•			
	c. the amounts	s of steam that were	sold or cons	umed b	y your es	T	4	
					Α	В	C	D
		Unit of Mea	asure		otal al/Steam	Total Thermal/Steam	Total Thermal/Steam	Total Thermal/ Steam
				Сар	acity	Amount Produced	Sold another	Consumed at your
						Troduced	establishment	establishment
		073		075		076	077	(column B-column C)
	Steam	1 KWh 2 M	Wh ³ ○ GJ	073		070	077	070
	Production Units	other (please st						
	(other than cogeneration units)	074						
	generation units)					l,		
9.		the quantity, inclu nent in 2005 (as a						e <u>steam</u> at
		gy Form	Quantit				Unit of Measure	
	Lilei	gy i Oilli	079		080	Litergy		
	Natural gas				1 C	m^3 $^2\bigcirc$ L	3 ft 3	◯ GJ
					5 (other (please spe	cify) ⁰⁸¹	
	_		U '2		083	m^3 $^2 \bigcirc L$	³	◯ GJ
	Propane					other (please spe		
		\rightarrow) other (<i>piease spe</i>	Cily)	
	Diesel		085		086) m³ ² L	³ ft ³ ⁴	◯ GJ
	2.030.					other (please spe		1
						, (produce open	/	

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099

089

092

095

 $^{1}\bigcirc$ m 3

 $^{1}\bigcirc$ m 3

 $^2\bigcirc$ L

 $^2\bigcirc$ L

 3 \bigcirc ft 3

² O **lbs** (pounds)

 5 O other (please specify) $^{\boxed{090}}$

 5 Oother (please specify) \lfloor^{093}

⁵ Other (please specify) 096

¹ O tonnes (metric)

Please specify unit of measure

⁴ ○ GJ

 4 \bigcirc GJ

 3 \bigcirc cords

088

091

094

098

Other middle distillates – light fuel oil, kerosene, etc.

Wood and wood by-products (e.g. hog fuel, wastewood, bark, pellets, etc.)

Other (please specify)

097

Heavy fuel oil

Statistics Canada is requesting your permission to combine the information provided on this questionnaire (the Electricity and Useful Thermal Energy Production portion of the Commercial and Institutional Consumption of Energy Survey 2005), with the information your establishment previously provided on the Commercial and Institutional Consumption of Energy Survey 2005 questionnaire earlier this year. These two sources of information, when linked, will provide a complete picture of your establishment's energy consumption and electricity and useful thermal energy production and will ensure that the survey results are representative of businesses, institutions or organizations with similar characteristics.

The data will be kept strictly confidential and will only be used for statistical purposes. The statistics produced and released from the Commercial and Institutional Consumption of Energy Survey 2005 will not contain any information that could identify you or your business, institution or organization. The linked data set will be kept by Statistics Canada for a period of up to 5 years while Natural Resources Canada will retain a copy of the linked data set indefinitely.

Date

THANK YOU FOR YOUR ASSISTANCE

Please return the questionnaire in the accompanying self addressed pre-paid envelope within 20 days of receipt.