Integrated Business Statistics Program (IBSP)

2015 Annual Survey of Electric Power Thermal Generating Station Fuel Consumption

(NAICS 22111 – Electric Power Generation)

CONFIDENTIAL once completed.

Selon nos dossiers votre langue de préférence est l'anglais, si vous préférez recevoir ce document en français, veuillez nous appeler au numéro sans frais suivant : 1-877-604-7828.

Please verify the business or organization name, contact person and address for this questionnaire and correct where needed.

Legal name

Operating name

First name

Last name

Title

Address (number and street)

City

Province, territory or state

Postal code or ZIP code

Country

Business or organization and contact information

Email address

Telephone number (including area code)

Extension number

Preferred language of communication

English French

Fax number (including area code)

This information is collected under the authority of the *Statistics Act*, Revised Statutes of Canada, 1985, Chapter S-19. COMPLETION OF THIS QUESTIONNAIRE IS A LEGAL REQUIREMENT UNDER THIS ACT.

Introduction

Survey purpose

The purpose of this survey is to obtain information on the supply of, and/or demand for, energy in Canada. This information serves as an important indicator of Canadian economic performance, and is used by all levels of government in establishing informed policies in the energy area. The private sector also uses this information in the corporate decision-making process. Your information may also be used by Statistics Canada for other statistical and research purposes.

Security of emails and faxes

Statistics Canada advises you that there could be a risk of disclosure during facsimile or email. However upon receipt, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*. **Note:** Our online questionnaires are secure, there is no risk of data interception when responding to Statistics Canada online surveys.

Confidentiality

The *Statistics Act* protects the confidentiality of information collected by Statistics Canada.

Data-sharing agreements

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

Information on confidentiality, data-sharing agreements and record linkages can be found on the last page of this questionnaire.

Please return the questionnaire within 20 days after receipt of this questionnaire.

Please mail the completed questionnaire in the enclosed envelope or fax it to Statistics Canada at 1-800-755-5514.

If you are unable to complete within 20 days **OR** if you need help, call us at **1-877-604-7828**.

Statistics Canada
Operations and Integration Division
150 Tunney's Pasture Driveway
Ottawa, Ontario K1A 0T6

Visit our website, www.statcan.gc.ca

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5-3600-2196.1: 2016-04-04

Business status

1. Is this business or organization currently in operation?

B00309

- ○ Yes ▶ **Go to next section**
- ○ No, seasonal operations ▶ **Go to question 2**
- ○ No, ceased all operations ▶ **Go to question 4**
- ○ No, sold all operations ▶ **Go to question 6**
- ○ No, amalgamated with (an) other business(es) ▶ **Go to question 8**
- ○ No, temporarily inactive but will re-open ▶ **Go to question 11**
- ○ No, no longer operating due to other reason(s) ▶ **Go to question 14**

2. When did this business or organization close for the season?

Date B00217 *YYYY* *MM* *DD*

3. When does this business or organization expect to resume operations?

Date B00218 *YYYY* *MM* *DD* ▶ **Go to next section**

4. When did this business or organization cease all operations?

Date B00211 *YYYY* *MM* *DD*

5. Why did this business or organization cease all operations?

B00311

- ○ Bankruptcy
- ○ Liquidation
- ○ Dissolution
- ○ Other reason — please specify:

B00312

▶ **Go to next section**

6. When was this business or organization sold?

Date B00212 *YYYY* *MM* *DD*

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7. What is the legal name of the buyer?

B00406

▶ **Go to next section**

8. When did this business or organization amalgamate?

B00213 Date *YYYY* *MM* *DD*

9. What is the legal name of the resulting or continuing business or organization?

B00407

10. What is (are) the legal name(s) of the other amalgamated business(es) or organization(s)?

B00408

▶ **Go to next section**

11. When did this business or organization become temporarily inactive?

B00214 Date *YYYY* *MM* *DD*

12. When does this business or organization expect to resume operations?

B00215 Date *YYYY* *MM* *DD*

13. Why is this business or organization temporarily inactive?

B00313

▶ **Go to next section**

14. When did this business or organization cease operations?

B00216 Date *YYYY* *MM* *DD*

15. Why did this business or organization cease operations?

B00314

▶ **Go to next section**

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Reporting instructions

1. Please print in ink.
2. Report all dollar amounts in **thousands of Canadian dollars**.
3. Do not include sales tax.
4. Percentages should be rounded to whole numbers.
5. Do not report in decimals. Round all values to the nearest whole number.
6. Consult the reporting guide at **www.statcan.gc.ca/guides-e** for further information.
7. When precise figures are not available, please provide your best estimates.

Business activity

1. Statistics Canada uses the **North American Industrial Classification System** to classify the activities of each business or organization. According to our records, this business or organization's **main activity** is classified as:

Is this the **main activity** of this business or organization?

B05002

- ○ Yes, this is the **main activity** of this business or organization. ▶ **Go to question 1c**
- ○ No, this is **not the main activity** of this business or organization. ▶ **Go to question 1a**

▼

a. Was this business or organization's main activity, which typically generates the most revenue, **ever** classified as described above?

B05111

- ○ Yes ▶ **When did the main activity change?** ▶ **Date :** B00219 *YYYY* *MM* *DD*
- ○ No ▶ **Go to question 1b**

▼

b. Please provide a **brief** but **precise description** of this business or organization's **main activity**
(e.g., "breakfast cereal manufacturing" **or** "shoe store" **or** "software development").

B05003

c. Approximately what **percentage of this business or organization's revenue** is generated by this **main activity**?
Estimates are acceptable. . . . . B05004 %

Are there any other activities that **contribute significantly** (at least 10%) to this **business or organization's revenue**?

B05024

- ○ Yes ▶ **Go to question 1d**
- ○ No ▶ **Go to next page**

d. Please provide a **brief** but **precise description** of this business or organization's **secondary activity.**
(e.g., "breakfast cereal manufacturing" **or** "shoe store" **or** "software development").

B05005

e. Approximately what **percentage of this business or organization's revenue** is generated by this **secondary activity**?
Estimates are acceptable. . . . . B05006 %

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Industry characteristics

Industrial generator

1. Does this business produce electricity, for internal use and/or for sale?

B05044

- ○ Yes ➔ Please answer the following questions
- ○ No ➔ Do not complete the survey.

Fuel consumption for industrial generation

2. Are the reported fuels consumed for the purpose of electricity generation **ONLY**?

B05045

- ○ Yes ➔ Go to question 6 (please **do NOT** complete the efficiency column for questions 8, 9, 10, 11, and 12 (if applicable))
- ○ No ➔ Please complete questions 3, 4, and 5 (report the total amount of fuel(s) used in the boiler(s) for questions 8, 9, 10, 11, and 12 (if applicable))

If you are NOT an industrial generator, please go directly to the Cogeneration Section at question 6

Generation and efficiency

Percentage

3. What is the percentage of the actual electrical **generator** efficiency? . . . . . B10026 ☐☐☐ %
4. What percentage of the portion of steam is used to produce electricity? . . . . . B10027 ☐☐☐ %
5. What is the percentage of the actual **turbine** efficiency? . . . . . B10028 ☐☐☐ %

Cogeneration

6. Does this business generate **both heat and electricity** simultaneously from the same energy source at this location?

B05046

- ○ Yes ➔ What is the primary purpose of the cogeneration?
- ○ No

Primary purpose (Mark one only)

B05047

- ○ To generate **electricity** for **internal use**
- ○ To generate **electricity** for **sale**
- ○ To generate **thermal energy** for **internal use** (e.g., steam, heat)
- ○ To generate **thermal energy** for **sale** (e.g., steam, heat)

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7. What is the primary purpose for generating electricity?

Primary purpose (Mark one only)

B05048

- ○ To generate **electricity** for **internal use**
- ○ To generate **electricity** for **sale**

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Fuel used by generation method — Combined cycle

8. Was a combined cycle generator used to generate electricity?

B05049_m1

- ○ Yes ➔ Please complete the following tables
- ○ No ➔ Go to next section on page 9

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/kg	Quantity MT	Total cost $'000	Generation MW.h
Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)					
Bituminous coal					
Canadian companies	B10031_m1_p17	B40083_m1_p17	E61171_m1_p17	F61114_m1_p17	E42002_m1_p17
Imported (foreign countries)	B10031_m1_p18	B40083_m1_p18	E61171_m1_p18	F61114_m1_p18	E42002_m1_p18
Sub-bituminous coal					
Canadian companies	B10031_m1_p19	B40083_m1_p19	E61171_m1_p19	F61114_m1_p19	E42002_m1_p19
Imported (foreign countries)	B10031_m1_p20	B40083_m1_p20	E61171_m1_p20	F61114_m1_p20	E42002_m1_p20
Lignite	B10031_m1_p21	B40083_m1_p21	E61171_m1_p21	F61114_m1_p21	E42002_m1_p21
Wood (e.g., bark, hog-fuel etc.)	B10031_m1_p22	B40083_m1_p22	E61171_m1_p22	F61114_m1_p22	E42002_m1_p22
Petroleum coke	B10031_m1_p23	B40083_m1_p23	E61171_m1_p23	F61114_m1_p23	E42002_m1_p23
Agriculture biomass	B10031_m1_p24	B40083_m1_p24	E61171_m1_p24	F61114_m1_p24	E42002_m1_p24
Other biomass (e.g., biomass from food processing)	B10031_m1_p25	B40083_m1_p25	E61171_m1_p25	F61114_m1_p25	E42002_m1_p25
Other biomass — type unknown	B10031_m1_p26	B40083_m1_p26	E61171_m1_p26	F61114_m1_p26	E42002_m1_p26
Municipal and other waste	B10031_m1_p27	B40083_m1_p27	E61171_m1_p27	F61114_m1_p27	E42002_m1_p27
Other solids — please specify:					
B40082_m1_y3_p15	B10031_m1_p28	B40083_m1_p28	E61171_m1_p28	F61114_m1_p28	E42002_m1_p28

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Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use	Average heat content	Quantity	Total cost	Generation
	%	kj/l	kl	$'000	MW.h
Liquids (e.g., bio-fuels, diesel, propane, heavy & light fuel oil, etc.)					
Biodiesel	B10031_m1_p1	B40083_m1_p1	E61171_m1_p1	F61114_m1_p1	E42002_m1_p1
Ethanol	B10031_m1_p2	B40083_m1_p2	E61171_m1_p2	F61114_m1_p2	E42002_m1_p2
Other biofuel	B10031_m1_p3	B40083_m1_p3	E61171_m1_p3	F61114_m1_p3	E42002_m1_p3
Light fuel oil	B10031_m1_p4	B40083_m1_p4	E61171_m1_p4	F61114_m1_p4	E42002_m1_p4
Heavy fuel oil					
Canadian companies	B10031_m1_p5	B40083_m1_p5	E61171_m1_p5	F61114_m1_p5	E42002_m1_p5
Imported (foreign countries)	B10031_m1_p6	B40083_m1_p6	E61171_m1_p6	F61114_m1_p6	E42002_m1_p6
Propane	B10031_m1_p7	B40083_m1_p7	E61171_m1_p7	F61114_m1_p7	E42002_m1_p7
Diesel	B10031_m1_p8	B40083_m1_p8	E61171_m1_p8	F61114_m1_p8	E42002_m1_p8
Orimulsion	B10031_m1_p9	B40083_m1_p9	E61171_m1_p9	F61114_m1_p9	E42002_m1_p9
Other liquids — please specify:					
B40082_m1_y1_p12	B10031_m1_p11	B40083_m1_p11	E61171_m1_p11	F61114_m1_p11	E42002_m1_p11
	%	kj/kg	MT	$'000	MW.h
Spent pulping liquor	B10031_m1_p10	B40083_m1_p10	E61171_m1_p10	F61114_m1_p10	E42002_m1_p10

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Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/m³	Quantity 10³m³	Total cost $'000	Generation MW.h
Gaseous (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)					
Natural gas	B10031_m1_p12	B40083_m1_p12	E61171_m1_p12	F61114_m1_p12	E42002_m1_p12
Coke oven gas	B10031_m1_p13	B40083_m1_p13	E61171_m1_p13	F61114_m1_p13	E42002_m1_p13
Methane (land fill)	B10031_m1_p14	B40083_m1_p14	E61171_m1_p14	F61114_m1_p14	E42002_m1_p14
Refined fuel gas	B10031_m1_p15	B40083_m1_p15	E61171_m1_p15	F61114_m1_p15	E42002_m1_p15
Other gas — please specify: B40082_m1_y2_p6	B10031_m1_p16	B40083_m1_p16	E61171_m1_p16	F61114_m1_p16	E42002_m1_p16
Other types of fuels (e.g., waste heat)					
Other type of fuel used to generate electricity — please specify: If you are reporting for electricity generated using **Waste Heat, do not complete** boiler efficiency, average heat content, quantity, or total cost. B40082_m1_y4_p2	B10031_m1_p29	B40083_m1_p29	E61171_m1_p29	F61114_m1_p29	E42002_m1_p29

Summary of the total net generation of electricity — Combined cycle

Total net electricity generation E42004_m1

Useful thermal energy produced

Volume in GJ

Internal use E61172

Sale E65008

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Fuel used by generation method — Steam turbine

9. Was a Steam turbine used to generate electricity?
If you operate a nuclear generator, please report nuclear generation under Uranium section on page 21.

B05049_m2

- ○ Yes ➔ Please complete the following tables
- ○ No ➔ Go to next section on page 12

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/kg	Quantity MT	Total cost $'000	Generation MW.h
Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)					
Bituminous coal					
Canadian companies	B10031_m2_p1	B40083_m2_p1	E61171_m2_p1	F61114_m2_p1	E42002_m2_p1
Imported (foreign countries)	B10031_m2_p2	B40083_m2_p2	E61171_m2_p2	F61114_m2_p2	E42002_m2_p2
Sub-bituminous coal					
Canadian companies	B10031_m2_p3	B40083_m2_p3	E61171_m2_p3	F61114_m2_p3	E42002_m2_p3
Imported (foreign countries)	B10031_m2_p4	B40083_m2_p4	E61171_m2_p4	F61114_m2_p4	E42002_m2_p4
Lignite	B10031_m2_p5	B40083_m2_p5	E61171_m2_p5	F61114_m2_p5	E42002_m2_p5
Wood (e.g., bark, hog-fuel etc.)	B10031_m2_p6	B40083_m2_p6	E61171_m2_p6	F61114_m2_p6	E42002_m2_p6
Petroleum coke	B10031_m2_p7	B40083_m2_p7	E61171_m2_p7	F61114_m2_p7	E42002_m2_p7
Agriculture biomass	B10031_m2_p8	B40083_m2_p8	E61171_m2_p8	F61114_m2_p8	E42002_m2_p8
Other biomass (e.g., biomass from food processing)	B10031_m2_p9	B40083_m2_p9	E61171_m2_p9	F61114_m2_p9	E42002_m2_p9
Other biomass — type unknown	B10031_m2_p10	B40083_m2_p10	E61171_m2_p10	F61114_m2_p10	E42002_m2_p10
Municipal and other waste	B10031_m2_p11	B40083_m2_p11	E61171_m2_p11	F61114_m2_p11	E42002_m2_p11
Other solids — please specify: B40082_m2_y1_p15	B10031_m2_p12	B40083_m2_p12	E61171_m2_p12	F61114_m2_p12	E42002_m2_p12

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Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use	Average heat content	Quantity	Total cost	Generation
	%	kj/l	kl	$'000	MW.h
Liquids (e.g., bio-fuels, diesel, propane, heavy & light fuel oil, etc.)					
Biodiesel	B10031_m2_p13	B40083_m2_p13	E61171_m2_p13	F61114_m2_p13	E42002_m2_p13
Ethanol	B10031_m2_p14	B40083_m2_p14	E61171_m2_p14	F61114_m2_p14	E42002_m2_p14
Other biofuel	B10031_m2_p15	B40083_m2_p15	E61171_m2_p15	F61114_m2_p15	E42002_m2_p15
Light fuel oil	B10031_m2_p16	B40083_m2_p16	E61171_m2_p16	F61114_m2_p16	E42002_m2_p16
Heavy fuel oil					
Canadian companies	B10031_m2_p17	B40083_m2_p17	E61171_m2_p17	F61114_m2_p17	E42002_m2_p17
Imported (foreign countries)	B10031_m2_p18	B40083_m2_p18	E61171_m2_p18	F61114_m2_p18	E42002_m2_p18
Propane	B10031_m2_p19	B40083_m2_p19	E61171_m2_p19	F61114_m2_p19	E42002_m2_p19
Diesel	B10031_m2_p20	B40083_m2_p20	E61171_m2_p20	F61114_m2_p20	E42002_m2_p20
Orimulsion	B10031_m2_p21	B40083_m2_p21	E61171_m2_p21	F61114_m2_p21	E42002_m2_p21
Other liquids — please specify: B40082_m2_y2_p12	B10031_m2_p23	B40083_m2_p23	E61171_m2_p23	F61114_m2_p23	E42002_m2_p23
	%	kj/kg	MT	$'000	MW.h
Spent pulping liquor	B10031_m2_p22	B40083_m2_p22	E61171_m2_p22	F61114_m2_p22	E42002_m2_p22

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Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/m³	Quantity 10³m³	Total cost $'000	Generation MW.h
Gaseous (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)					
Natural gas	B10031_m2_p24	B40083_m2_p24	E61171_m2_p24	F61114_m2_p24	E42002_m2_p24
Coke oven gas	B10031_m2_p25	B40083_m2_p25	E61171_m2_p25	F61114_m2_p25	E42002_m2_p25
Methane (land fill)	B10031_m2_p26	B40083_m2_p26	E61171_m2_p26	F61114_m2_p26	E42002_m2_p26
Refined fuel gas	B10031_m2_p27	B40083_m2_p27	E61171_m2_p27	F61114_m2_p27	E42002_m2_p27
Other gas — please specify: B40082_m2_y3_p6	B10031_m2_p28	B40083_m2_p28	E61171_m2_p28	F61114_m2_p28	E42002_m2_p28
Other types of fuels (e.g., waste heat)					
Other type of fuel used to generate electricity — please specify: If you are reporting for electricity generated using **Waste Heat, do not complete** boiler efficiency, average heat content, quantity, or total cost. B40082_m2_y4_p2	B10031_m2_p29	B40083_m2_p29	E61171_m2_p29	F61114_m2_p29	E42002_m2_p29

Summary of the total net generation of electricity — Steam Turbine

Total net electricity generation	E42004_m2

Useful thermal energy produced

	Volume in GJ
Internal use	E61173
Sale	E65009

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Fuel selection breakdown — Combustion engine

10. Was a Combustion engine used to generate electricity?

B05049_m3

- ○ Yes ➔ Please complete the following tables
- ○ No ➔ Go to next section on page 15

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	**Efficiency of the boiler by fuel use** %	**Average heat content** kj/kg	**Quantity** MT	**Total cost** $'000	**Generation** MW.h
Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)					
Bituminous coal					
Canadian companies	B10031_m3_p17	B40083_m3_p17	E61171_m3_p17	F61114_m3_p17	E42002_m3_p17
Imported (foreign countries)	B10031_m3_p18	B40083_m3_p18	E61171_m3_p18	F61114_m3_p18	E42002_m3_p18
Sub-bituminous coal					
Canadian companies	B10031_m3_p19	B40083_m3_p19	E61171_m3_p19	F61114_m3_p19	E42002_m3_p19
Imported (foreign countries)	B10031_m3_p20	B40083_m3_p20	E61171_m3_p20	F61114_m3_p20	E42002_m3_p20
Lignite	B10031_m3_p21	B40083_m3_p21	E61171_m3_p21	F61114_m3_p21	E42002_m3_p21
Wood (e.g., bark, hog-fuel etc.)	B10031_m3_p22	B40083_m3_p22	E61171_m3_p22	F61114_m3_p22	E42002_m3_p22
Petroleum coke	B10031_m3_p23	B40083_m3_p23	E61171_m3_p23	F61114_m3_p23	E42002_m3_p23
Agriculture biomass	B10031_m3_p24	B40083_m3_p24	E61171_m3_p24	F61114_m3_p24	E42002_m3_p24
Other biomass (e.g., biomass from food processing)	B10031_m3_p25	B40083_m3_p25	E61171_m3_p25	F61114_m3_p25	E42002_m3_p25
Other biomass — type unknown	B10031_m3_p26	B40083_m3_p26	E61171_m3_p26	F61114_m3_p26	E42002_m3_p26
Municipal and other waste	B10031_m3_p27	B40083_m3_p27	E61171_m3_p27	F61114_m3_p27	E42002_m3_p27
Other solids — please specify: B40082_m3_y3_p15	B10031_m3_p28	B40083_m3_p28	E61171_m3_p28	F61114_m3_p28	E42002_m3_p28

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Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use	Average heat content	Quantity	Total cost	Generation
	%	kj/l	kl	$'000	MW.h
Liquids (e.g., bio-fuels, diesel, propane, heavy & light fuel oil, etc.)					
Biodiesel	B10031_m3_p1	B40083_m3_p1	E61171_m3_p1	F61114_m3_p1	E42002_m3_p1
Ethanol	B10031_m3_p2	B40083_m3_p2	E61171_m3_p2	F61114_m3_p2	E42002_m3_p2
Other biofuel	B10031_m3_p3	B40083_m3_p3	E61171_m3_p3	F61114_m3_p3	E42002_m3_p3
Light fuel oil	B10031_m3_p4	B40083_m3_p4	E61171_m3_p4	F61114_m3_p4	E42002_m3_p4
Heavy fuel oil					
Canadian companies	B10031_m3_p5	B40083_m3_p5	E61171_m3_p5	F61114_m3_p5	E42002_m3_p5
Imported (foreign countries)	B10031_m3_p6	B40083_m3_p6	E61171_m3_p6	F61114_m3_p6	E42002_m3_p6
Propane	B10031_m3_p7	B40083_m3_p7	E61171_m3_p7	F61114_m3_p7	E42002_m3_p7
Diesel	B10031_m3_p8	B40083_m3_p8	E61171_m3_p8	F61114_m3_p8	E42002_m3_p8
Orimulsion	B10031_m3_p9	B40083_m3_p9	E61171_m3_p9	F61114_m3_p9	E42002_m3_p9
Other liquids — please specify: B40082_m3_y1_p12 ...	B10031_m3_p11	B40083_m3_p11	E61171_m3_p11	F61114_m3_p11	E42002_m3_p11
	%	kj/kg	MT	$'000	MW.h
Spent pulping liquor	B10031_m3_p10	B40083_m3_p10	E61171_m3_p10	F61114_m3_p10	E42002_m3_p10

INFORMATION COPY DO NOT USE TO REPORT

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/m³	Quantity 10³m³	Total cost $'000	Generation MW.h
Gaseous (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)					
Natural gas	B10031_m3_p12	B40083_m3_p12	E61171_m3_p12	F61114_m3_p12	E42002_m3_p12
Coke oven gas	B10031_m3_p13	B40083_m3_p13	E61171_m3_p13	F61114_m3_p13	E42002_m3_p13
Methane (land fill)	B10031_m3_p14	B40083_m3_p14	E61171_m3_p14	F61114_m3_p14	E42002_m3_p14
Refined fuel gas	B10031_m3_p15	B40083_m3_p15	E61171_m3_p15	F61114_m3_p15	E42002_m3_p15
Other gas — please specify: B40082_m3_y2_p6	B10031_m3_p16	B40083_m3_p16	E61171_m3_p16	F61114_m3_p16	E42002_m3_p16
Other types of fuels (e.g., waste heat)					
Other type of fuel used to generate electricity — please specify: B40082_m3_y4_p2 If you are reporting for electricity generated using **Waste Heat, do not complete** boiler efficiency, average heat content, quantity, or total cost.	B10031_m3_p29	B40083_m3_p29	E61171_m3_p29	F61114_m3_p29	E42002_m3_p29

Summary of the total net generation of electricity — Combustion Engine

Total net electricity generation E42004_m3

Useful thermal energy produced

	Volume in GJ
Internal use	E61251
Sale	E65053

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Fuel selection breakdown — Combustion turbine

11. Was a Combustion turbine used to generate electricity?

B05049_m4

- ○ Yes ➔ Please complete the following tables
- ○ No ➔ Go to next section on page 18

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/kg	Quantity MT	Total cost $'000	Generation MW.h
Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)					
Bituminous coal					
Canadian companies	B10031_m4_p17	B40083_m4_p17	E61171_m4_p17	F61114_m4_p17	E42002_m4_p17
Imported (foreign countries)	B10031_m4_p18	B40083_m4_p18	E61171_m4_p18	F61114_m4_p18	E42002_m4_p18
Sub-bituminous coal					
Canadian companies	B10031_m4_p19	B40083_m4_p19	E61171_m4_p19	F61114_m4_p19	E42002_m4_p19
Imported (foreign countries)	B10031_m4_p20	B40083_m4_p20	E61171_m4_p20	F61114_m4_p20	E42002_m4_p20
Lignite	B10031_m4_p21	B40083_m4_p21	E61171_m4_p21	F61114_m4_p21	E42002_m4_p21
Wood (e.g., bark, hog-fuel etc.)	B10031_m4_p22	B40083_m4_p22	E61171_m4_p22	F61114_m4_p22	E42002_m4_p22
Petroleum coke	B10031_m4_p23	B40083_m4_p23	E61171_m4_p23	F61114_m4_p23	E42002_m4_p23
Agriculture biomass	B10031_m4_p24	B40083_m4_p24	E61171_m4_p24	F61114_m4_p24	E42002_m4_p24
Other biomass (e.g., biomass from food processing)	B10031_m4_p25	B40083_m4_p25	E61171_m4_p25	F61114_m4_p25	E42002_m4_p25
Other biomass — type unknown	B10031_m4_p26	B40083_m4_p26	E61171_m4_p26	F61114_m4_p26	E42002_m4_p26
Municipal and other waste	B10031_m4_p27	B40083_m4_p27	E61171_m4_p27	F61114_m4_p27	E42002_m4_p27
Other solids — please specify:					
B40082_m4_y3_p15	B10031_m4_p28	B40083_m4_p28	E61171_m4_p28	F61114_m4_p28	E42002_m4_p28

INFORMATION COPY DO NOT USE TO REPORT

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/l	Quantity kl	Total cost $'000	Generation MW.h
Liquids (e.g., bio-fuels, diesel, propane, heavy & light fuel oil, etc.)					
Biodiesel	B10031_m4_p1	B40083_m4_p1	E61171_m4_p1	F61114_m4_p1	E42002_m4_p1
Ethanol	B10031_m4_p2	B40083_m4_p2	E61171_m4_p2	F61114_m4_p2	E42002_m4_p2
Other biofuel	B10031_m4_p3	B40083_m4_p3	E61171_m4_p3	F61114_m4_p3	E42002_m4_p3
Light fuel oil	B10031_m4_p4	B40083_m4_p4	E61171_m4_p4	F61114_m4_p4	E42002_m4_p4
Heavy fuel oil					
Canadian companies	B10031_m4_p5	B40083_m4_p5	E61171_m4_p5	F61114_m4_p5	E42002_m4_p5
Imported (foreign countries)	B10031_m4_p6	B40083_m4_p6	E61171_m4_p6	F61114_m4_p6	E42002_m4_p6
Propane	B10031_m4_p7	B40083_m4_p7	E61171_m4_p7	F61114_m4_p7	E42002_m4_p7
Diesel	B10031_m4_p8	B40083_m4_p8	E61171_m4_p8	F61114_m4_p8	E42002_m4_p8
Orimulsion	B10031_m4_p9	B40083_m4_p9	E61171_m4_p9	F61114_m4_p9	E42002_m4_p9
Other liquids — please specify:					
B40082_m4_y1_p12	B10031_m4_p11	B40083_m4_p11	E61171_m4_p11	F61114_m4_p11	E42002_m4_p11
	%	kj/kg	MT	$'000	MW.h
Spent pulping liquor	B10031_m4_p10	B40083_m4_p10	E61171_m4_p10	F61114_m4_p10	E42002_m4_p10

INFORMATION COPY DO NOT USE TO REPORT

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use %	Average heat content kj/m³	Quantity 10³m³	Total cost $'000	Generation MW.h
Gaseous (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)					
Natural gas	B10031_m4_p12	B40083_m4_p12	E61171_m4_p12	F61114_m4_p12	E42002_m4_p12
Coke oven gas	B10031_m4_p13	B40083_m4_p13	E61171_m4_p13	F61114_m4_p13	E42002_m4_p13
Methane (land fill)	B10031_m4_p14	B40083_m4_p14	E61171_m4_p14	F61114_m4_p14	E42002_m4_p14
Refined fuel gas	B10031_m4_p15	B40083_m4_p15	E61171_m4_p15	F61114_m4_p15	E42002_m4_p15
Other gas — please specify: B40082_m4_y2_p6	B10031_m4_p16	B40083_m4_p16	E61171_m4_p16	F61114_m4_p16	E42002_m4_p16
Other types of fuels (e.g., waste heat)					
Other type of fuel used to generate electricity — please specify: If you are reporting for electricity generated using **Waste Heat, do not complete** boiler efficiency, average heat content, quantity, or total cost. B40082_m4_y2_p6	B10031_m4_p29	B40083_m4_p29	E61171_m4_p29	F61114_m4_p29	E42002_m4_p29

Summary of the total net generation of electricity — Combustion Turbine

Total net electricity generation E42004_m4

Useful thermal energy produced

	Volume in GJ
Internal use	E61174
Sale	E65011

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Fuel selection breakdown — Other sub-type method

12. Was an Other sub-type method used to generate electricity?

B05049_m5

- ○ Yes ➔ Please complete the following tables

  Other sub-type method used to generate electricity — Please specify:

  B05049_m6

- ○ No ➔ Go to next section on page 21

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	**Efficiency of the boiler by fuel use** %	**Average heat content** kj/kg	**Quantity** MT	**Total cost** $'000	**Generation** MW.h
Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)					
Bituminous coal					
Canadian companies	B10031_m5_p1	B40083_m5_p1	E61171_m5_p1	F61114_m5_p1	E42002_m5_p1
Imported (foreign countries)	B10031_m5_p2	B40083_m5_p2	E61171_m5_p2	F61114_m5_p2	E42002_m5_p2
Sub-bituminous coal					
Canadian companies	B10031_m5_p3	B40083_m5_p3	E61171_m5_p3	F61114_m5_p3	E42002_m5_p3
Imported (foreign countries)	B10031_m5_p4	B40083_m5_p4	E61171_m5_p4	F61114_m5_p4	E42002_m5_p4
Lignite	B10031_m5_p5	B40083_m5_p5	E61171_m5_p5	F61114_m5_p5	E42002_m5_p5
Wood (e.g., bark, hog-fuel etc.)	B10031_m5_p6	B40083_m5_p6	E61171_m5_p6	F61114_m5_p6	E42002_m5_p6
Petroleum coke	B10031_m5_p7	B40083_m5_p7	E61171_m5_p7	F61114_m5_p7	E42002_m5_p7
Agriculture biomass	B10031_m5_p8	B40083_m5_p8	E61171_m5_p8	F61114_m5_p8	E42002_m5_p8
Other biomass (e.g., biomass from food processing)	B10031_m5_p9	B40083_m5_p9	E61171_m5_p9	F61114_m5_p9	E42002_m5_p9
Other biomass — type unknown	B10031_m5_p10	B40083_m5_p10	E61171_m5_p10	F61114_m5_p10	E42002_m5_p10
Municipal and other waste	B10031_m5_p11	B40083_m5_p11	E61171_m5_p11	F61114_m5_p11	E42002_m5_p11
Other solids — please specify: B40082_m5_y1_p15	B10031_m5_p12	B40083_m5_p12	E61171_m5_p12	F61114_m5_p12	E42002_m5_p12

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Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	Efficiency of the boiler by fuel use	Average heat content	Quantity	Total cost	Generation
	%	kj/l	kl	$'000	MW.h
Liquids (e.g., bio-fuels, diesel, propane, heavy & light fuel oil, etc.)					
Biodiesel	B10031_m5_p13	B40083_m5_p13	E61171_m5_p13	F61114_m5_p13	E42002_m5_p13
Ethanol	B10031_m5_p14	B40083_m5_p14	E61171_m5_p14	F61114_m5_p14	E42002_m5_p14
Other biofuel	B10031_m5_p15	B40083_m5_p15	E61171_m5_p15	F61114_m5_p15	E42002_m5_p15
Light fuel oil	B10031_m5_p16	B40083_m5_p16	E61171_m5_p16	F61114_m5_p16	E42002_m5_p16
Heavy fuel oil					
Canadian companies	B10031_m5_p17	B40083_m5_p17	E61171_m5_p17	F61114_m5_p17	E42002_m5_p17
Imported (foreign countries)	B10031_m5_p18	B40083_m5_p18	E61171_m5_p18	F61114_m5_p18	E42002_m5_p18
Propane	B10031_m5_p19	B40083_m5_p19	E61171_m5_p19	F61114_m5_p19	E42002_m5_p19
Diesel	B10031_m5_p20	B40083_m5_p20	E61171_m5_p20	F61114_m5_p20	E42002_m5_p20
Orimulsion	B10031_m5_p21	B40083_m5_p21	E61171_m5_p21	F61114_m5_p21	E42002_m5_p21
Other liquids — please specify: B40082_m5_y2_p12 ...	B10031_m5_p23	B40083_m5_p23	E61171_m5_p23	F61114_m5_p23	E42002_m5_p23
	%	kj/kg	MT	$'000	MW.h
Spent pulping liquor	B10031_m5_p22	B40083_m5_p22	E61171_m5_p22	F61114_m5_p22	E42002_m5_p22

INFORMATION COPY DO NOT USE TO REPORT

Fuels used to generate electricity If you are NOT an industrial generator, please DO NOT report on boiler efficiency	**Efficiency of the boiler by fuel use** %	**Average heat content** kj/m³	**Quantity** 10³m³	**Total cost** $'000	**Generation** MW.h
Gaseous (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)					
Natural gas	B10031_m5_p24	B40083_m5_p24	E61171_m5_p24	F61114_m5_p24	E42002_m5_p24
Coke oven gas	B10031_m5_p25	B40083_m5_p25	E61171_m5_p25	F61114_m5_p25	E42002_m5_p25
Methane (land fill)	B10031_m5_p26	B40083_m5_p26	E61171_m5_p26	F61114_m5_p26	E42002_m5_p26
Refined fuel gas	B10031_m5_p27	B40083_m5_p27	E61171_m5_p27	F61114_m5_p27	E42002_m5_p27
Other gas — please specify: B40082_m5_y3_p6	B10031_m5_p28	B40083_m5_p28	E61171_m5_p28	F61114_m5_p28	E42002_m5_p28
Other types of fuels (e.g., waste heat)					
Other type of fuel used to generate electricity — please specify: If you are reporting for electricity generated using **Waste Heat, do not complete** boiler efficiency, average heat content, quantity, or total cost. B40082_m5_y4_p2	B10031_m5_p29	B40083_m5_p29	E61171_m5_p29	F61114_m5_p29	E42002_m5_p29

Summary of the total net generation of electricity — Other Sub-type Method

Total net electricity generation E42004_m5

Useful thermal energy produced

	Volume in GJ
Internal use	E61175
Sale	E65012

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Fuel selection breakdown — Uranium

13. Was Uranium used to generate electricity?

- ○ Yes ➔ Please complete the following table
- ○ No ➔ Go to **Notes** section

Fuels used to generate electricity	Average heat content GJ/MT	Quantity MT	Total cost $'000	Generation MW.h
	B40084	E61176	F61115	E42003
Uranium (Nuclear)				

Notes

B00002

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Events

1. Please indicate below, any changes or events that may have affected the reported values for this business or organization compared to the last reporting period (mark all that apply):

B00302_t1
- [ ] strike or lockout

B00302_t2
- [ ] exchange rate impact

B00302_t3
- [ ] price changes in goods or services sold

B00302_t4
- [ ] contracting out

B00302_t5
- [ ] organizational change

B00302_t6
- [ ] price changes in labour or raw materials

B00302_t7
- [ ] natural disaster

B00302_t8
- [ ] recession

B00302_t9
- [ ] change in product line

B00302_t10
- [ ] sold business units

B00302_t11
- [ ] expansion

B00302_t12
- [ ] new/lost contract

B00302_t13
- [ ] plant closures

B00302_t14
- [ ] acquisition of business units

B00302_t15
- [ ] other change or event — please specify:

B00302_t16

B00302_t17
- [ ] no change or event

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Contact person

Name of person to contact about this questionnaire:

First name

Last name

Title

Email address

Telephone number | Extension number | Fax number

How long did you spend collecting the data and completing the questionnaire? . . . . . hours : minutes

Comments

We invite your comments below.
If necessary, please attach a separate sheet.
Please be assured that we review all comments with the intent of improving the survey.

B00002

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General information

Confidentiality

Your answers are confidential.

Statistics Canada is prohibited by law from releasing any information it collects which 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 information from this survey for statistical purposes.

Data-sharing agreements

To reduce respondent burden, Statistics Canada has entered into data-sharing agreements with provincial and territorial statistical agencies and other government organizations, which have agreed 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* provides for 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 confidentiality and penalties for disclosure of confidential information as the *Statistics Act*. Because these agencies have the legal authority to compel businesses to provide the same information, consent is not requested and businesses may not object to the sharing of the data.

For this survey, there are **Section 11** agreements with the provincial and territorial statistical agencies of Newfoundland and Labrador, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, and the Yukon. The shared data will be limited to information pertaining to business establishments located within the jurisdiction of the respective province or territory.

Section 12 of the *Statistics 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. 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 the Newfoundland and Labrador Department of Natural Resources, the Ministère de l'énergie et des ressources naturelles du Québec, the Manitoba Department of Mineral Resources, Alberta Energy, the British Columbia Ministry of Energy and Mines, the British Columbia Ministry of Natural Gas Development, National Energy Board, Natural Resources Canada and Environment Canada.

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.

Record linkages

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

Thank you for completing this questionnaire.

Please retain a copy for your records.

Visit our website, www.statcan.gc.ca

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