

# 2016 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 ou ATS 1-855-382-7745

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.**

**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 or TTY 1-855-382-7745.

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

Visit our website, [www.statcan.gc.ca](http://www.statcan.gc.ca)

## Reporting instructions

- Please print in ink.
- **Report** dollar amounts in **thousands of Canadian dollars** ('000).
- **Exclude** sales tax.
- Percentages should be rounded to whole numbers.
- Do not report in decimals. Round all values to the nearest whole number.
- When precise figures are not available, please provide your best estimates.
- Consult the reporting guide at [www.statcan.gc.ca/guides-e](http://www.statcan.gc.ca/guides-e) for further information.

## Business or organization and contact information

1. Please **verify or provide** the business or organization's **legal and operating name** and correct where needed.

**Note:** Legal name modifications should only be done to correct a spelling error or typo.

Legal name

Operating name (if applicable)

2. Please **verify or provide the contact information** of the designated business or organization contact person for this questionnaire and correct where needed.

**Note:** The designated contact person is the person who should receive this questionnaire. The designated contact person may not always be the one who actually completes the questionnaire.

First name

Last name

Title

Preferred language of communication

English  French

Mailing address (number and street)

City

Province, territory or state

Postal code or ZIP code

Example: A9A 9A9 or 12345-1234

Country

Email address

Example: user@example.gov.ca

Telephone number (including area code)

Example: 123-123-1234

Extension number  
(if applicable)

Fax number (including area code)

Example: 123-123-1234

3. Please **verify or provide the current operational status** of the business or organization identified by the legal and operating name.

B00323

001  Operational → **Go to question 4**

002  Not currently operational

e.g., temporarily or permanently closed, change of ownership

↳ Why is this business or organization not currently operational?

B00309

002  Seasonal operations → **Go to question 3a.**

003  Ceased operations → **Go to question 3b.**

004  Sold operations → **Go to question 3c.**

005  Amalgamated with (an) other business(es) or organization(s) → **Go to question 3d.**

006  Temporarily inactive but will re-open → **Go to question 3e.**

007  No longer operating due to other reason(s) → **Go to question 3f.**

### 3a. Seasonal operations

When did this business or organization close for the season?

Date YYYY MM DD  
B00217

When does this business or organization expect to resume operations?

Date YYYY MM DD  
B00218           → **Go to question 4**

### 3b. Ceased operations

When did this business or organization cease operations?

Date YYYY MM DD  
B00211

Why did this business or organization cease operations?

B00311

001  Bankruptcy

002  Liquidation

003  Dissolution

004  Other reasons — specify:

B00312

} → **Go to question 4**

### 3c. Sold operations

When was this business or organization sold?

YYYY MM DD  
B00212

Date

What is the legal name of the buyer?

B00406

→ Go to question 4

### 3d. Amalgamated with (an) other business(es) or organization(s)

When did this business or organization amalgamate?

YYYY MM DD  
B00213

Date

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

B00407

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

B00408

→ Go to question 4

### 3e. Temporarily inactive but will re-open

When did this business or organization become temporarily inactive?

YYYY MM DD  
B00214

Date

When does this business or organization expect to resume operations?

YYYY MM DD  
B00215

Date

Why is this business or organization temporarily inactive?

B00313

→ Go to question 4

### 3f. No longer operating due to other reason(s)

When did this business or organization cease operations?

YYYY MM DD  
B00216

Date

Why did this business or organization cease operations?

B00314

DO NOT USE TO REPORT

4. Please **verify or provide the current main activity** of the business or organization identified by the legal and operating name.

**Note:** The described activity was assigned using the North American Industry Classification System (NAICS).

B05002

001

#{NAICS\_Title\_E.Prefill}



**Go to next section**

002

Other main activity → Please provide a **brief but precise description** of this business or organization's **main activity**.

e.g., breakfast cereal manufacturing, shoe store, software development

B05003

INFORMATION COPY  
DO NOT USE TO REPORT

## 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 <b>generator</b> efficiency? ..... | B10026 <input type="text"/> <input type="text"/> <input type="text"/> % |
| 4. What percentage of the portion of steam is used to produce electricity? .....      | B10027 <input type="text"/> <input type="text"/> <input type="text"/> % |
| 5. What is the percentage of the actual <b>turbine</b> efficiency? .....              | B10028 <input type="text"/> <input type="text"/> <input type="text"/> % |

### 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)

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**

## 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	Quantity	Total cost	Generation
	%	kJ/kg	MT	\$'000	MW.h

### Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)

#### Bituminous coal

	B10031_m1_p17	B40083_m1_p17	E61171_m1_p17	F61114_m1_p17	E42002_m1_p17
Canadian companies . . . . .					
Imported (foreign countries) . . . . .					

#### Sub-bituminous coal

	B10031_m1_p19	B40083_m1_p19	E61171_m1_p19	F61114_m1_p19	E42002_m1_p19
Canadian companies . . . . .					
Imported (foreign countries) . . . . .					

#### 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 . . . . .

#### Other solids — please specify:

B40082\_m1\_y3\_p15

	B10031_m1_p27	B40083_m1_p27	E61171_m1_p27	F61114_m1_p27	E42002_m1_p27







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/m <sup>3</sup>	10 <sup>3</sup> m <sup>3</sup>	\$'000	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

DO NOT USE TO REPORT INFORMATION COPY

## 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	Quantity	Total cost	Generation
	%	kJ/kg	MT	\$'000	MW.h

### Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)

#### Bituminous coal

B10031_m2_p1	B40083_m2_p1	E61171_m2_p1	F61114_m2_p1	E42002_m2_p1

Canadian companies . . . . .

B10031_m2_p2	B40083_m2_p2	E61171_m2_p2	F61114_m2_p2	E42002_m2_p2

Imported (foreign countries) . . . . .

#### Sub-bituminous coal

B10031_m2_p3	B40083_m2_p3	E61171_m2_p3	F61114_m2_p3	E42002_m2_p3

Canadian companies . . . . .

B10031_m2_p4	B40083_m2_p4	E61171_m2_p4	F61114_m2_p4	E42002_m2_p4

Imported (foreign countries) . . . . .

B10031_m2_p5	B40083_m2_p5	E61171_m2_p5	F61114_m2_p5	E42002_m2_p5

Lignite . . . . .

B10031_m2_p6	B40083_m2_p6	E61171_m2_p6	F61114_m2_p6	E42002_m2_p6

Wood (e.g., bark, hog-fuel etc.) . . . . .

B10031_m2_p7	B40083_m2_p7	E61171_m2_p7	F61114_m2_p7	E42002_m2_p7

Petroleum coke . . . . .

B10031_m2_p8	B40083_m2_p8	E61171_m2_p8	F61114_m2_p8	E42002_m2_p8

Agriculture biomass . . . . .

B10031_m2_p9	B40083_m2_p9	E61171_m2_p9	F61114_m2_p9	E42002_m2_p9

Other biomass (e.g., biomass from  
food processing) . . . . .

B10031_m2_p10	B40083_m2_p10	E61171_m2_p10	F61114_m2_p10	E42002_m2_p10

Other biomass – type unknown . . . . .

B10031_m2_p11	B40083_m2_p11	E61171_m2_p11	F61114_m2_p11	E42002_m2_p11

Municipal and other waste . . . . .

Other solids – please specify:

B40082\_m2\_y1\_p15

B10031_m2_p12	B40083_m2_p12	E61171_m2_p12	F61114_m2_p12	E42002_m2_p12





**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/m<sup>3</sup>

**Quantity**  
 10<sup>3</sup>m<sup>3</sup>

**Total cost**  
 \$'000

**Generation**  
 MW.h

**Gaseous** (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)

<b>Natural gas</b> .....	B10031_m2_p24	B40083_m2_p24	E61171_m2_p24	F61114_m2_p24	E42002_m2_p24
<b>Coke oven gas</b> .....	B10031_m2_p25	B40083_m2_p25	E61171_m2_p25	F61114_m2_p25	E42002_m2_p25
<b>Methane (land fill)</b> .....	B10031_m2_p26	B40083_m2_p26	E61171_m2_p26	F61114_m2_p26	E42002_m2_p26
<b>Refined fuel gas</b> .....	B10031_m2_p27	B40083_m2_p27	E61171_m2_p27	F61114_m2_p27	E42002_m2_p27
<b>Other gas — please specify:</b> 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

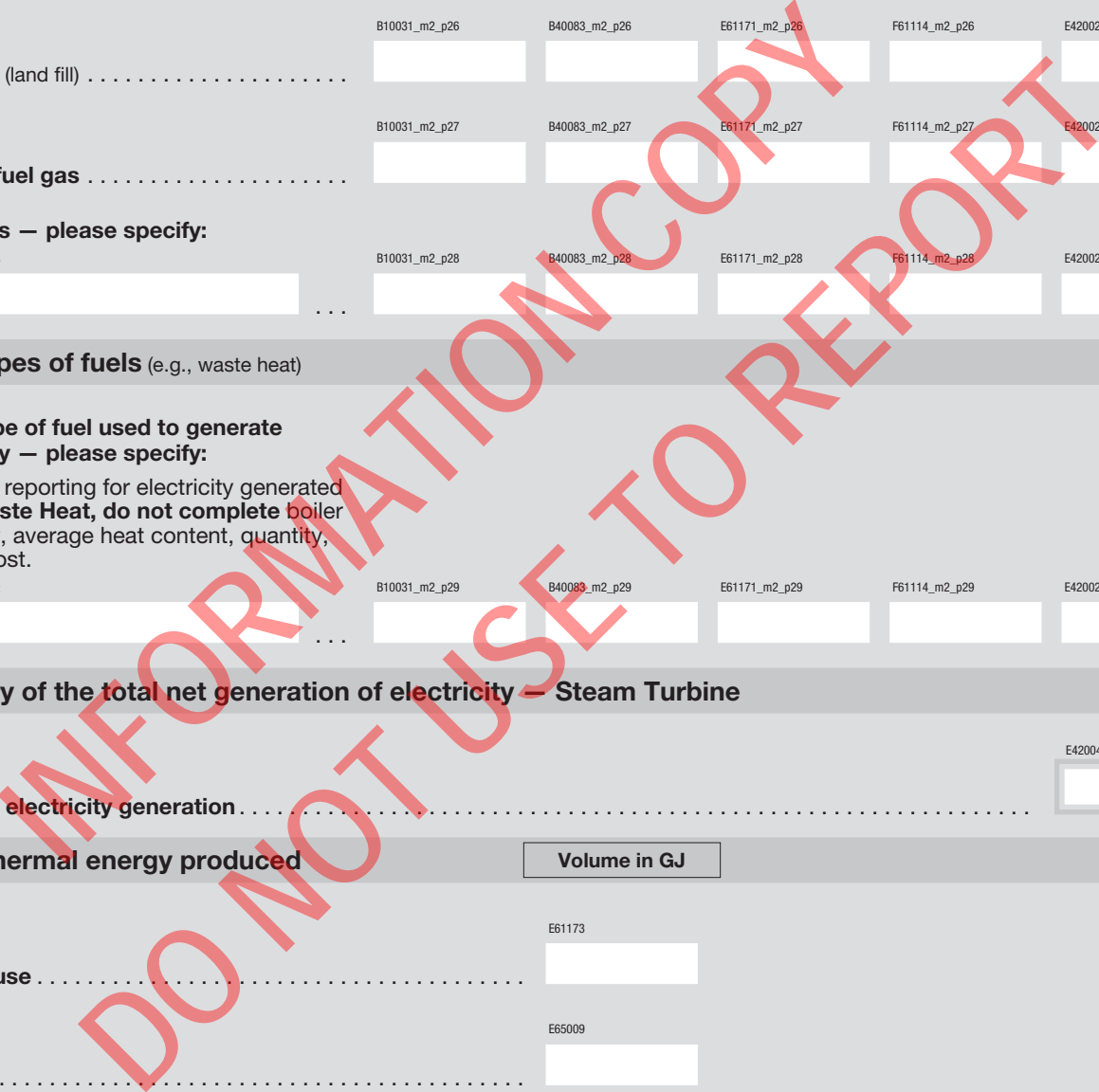
**Useful thermal energy produced** Volume in GJ

**Internal use** .....

E61173

**Sale** .....

E65009



**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

<b>Fuels used to generate electricity</b> If you are NOT an industrial generator, please DO NOT report on boiler efficiency	<b>Efficiency of the boiler by fuel use</b>	<b>Average heat content</b>	<b>Quantity</b>	<b>Total cost</b>	<b>Generation</b>
	%	kj/kg	MT	\$'000	MW.h

**Solid fuels** (e.g., coal, wood, municipal waste, biomass, etc.)

**Bituminous coal**

	B10031_m3_p17	B40083_m3_p17	E61171_m3_p17	F61114_m3_p17	E42002_m3_p17
Canadian companies . . . . .					
	B10031_m3_p18	B40083_m3_p18	E61171_m3_p18	F61114_m3_p18	E42002_m3_p18
Imported (foreign countries) . . . . .					

**Sub-bituminous coal**

	B10031_m3_p19	B40083_m3_p19	E61171_m3_p19	F61114_m3_p19	E42002_m3_p19
Canadian companies . . . . .					
	B10031_m3_p20	B40083_m3_p20	E61171_m3_p20	F61114_m3_p20	E42002_m3_p20
Imported (foreign countries) . . . . .					

**Lignite** . . . . .

	B10031_m3_p21	B40083_m3_p21	E61171_m3_p21	F61114_m3_p21	E42002_m3_p21
	B10031_m3_p22	B40083_m3_p22	E61171_m3_p22	F61114_m3_p22	E42002_m3_p22

**Wood** (e.g., bark, hog-fuel etc.) . . . . .

	B10031_m3_p23	B40083_m3_p23	E61171_m3_p23	F61114_m3_p23	E42002_m3_p23

**Petroleum coke** . . . . .

	B10031_m3_p24	B40083_m3_p24	E61171_m3_p24	F61114_m3_p24	E42002_m3_p24

**Agriculture biomass** . . . . .

	B10031_m3_p25	B40083_m3_p25	E61171_m3_p25	F61114_m3_p25	E42002_m3_p25

**Other biomass** (e.g., biomass from food processing) . . . . .

	B10031_m3_p26	B40083_m3_p26	E61171_m3_p26	F61114_m3_p26	E42002_m3_p26

**Other biomass – type unknown** . . . . .

	B10031_m3_p27	B40083_m3_p27	E61171_m3_p27	F61114_m3_p27	E42002_m3_p27

**Municipal and other waste** . . . . .

**Other solids – please specify:**

B40082\_m3\_y3\_p15

	B10031_m3_p28	B40083_m3_p28	E61171_m3_p28	F61114_m3_p28	E42002_m3_p28





**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/m<sup>3</sup>

**Quantity**  
 10<sup>3</sup>m<sup>3</sup>

**Total cost**  
 \$'000

**Generation**  
 MW.h

**Gaseous** (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)

	B10031_m3_p12	B40083_m3_p12	E61171_m3_p12	F61114_m3_p12	E42002_m3_p12
Natural gas .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Coke oven gas .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Methane (land fill) .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Refined fuel gas .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Other gas — please specify: B40082_m3_y2_p6	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**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.

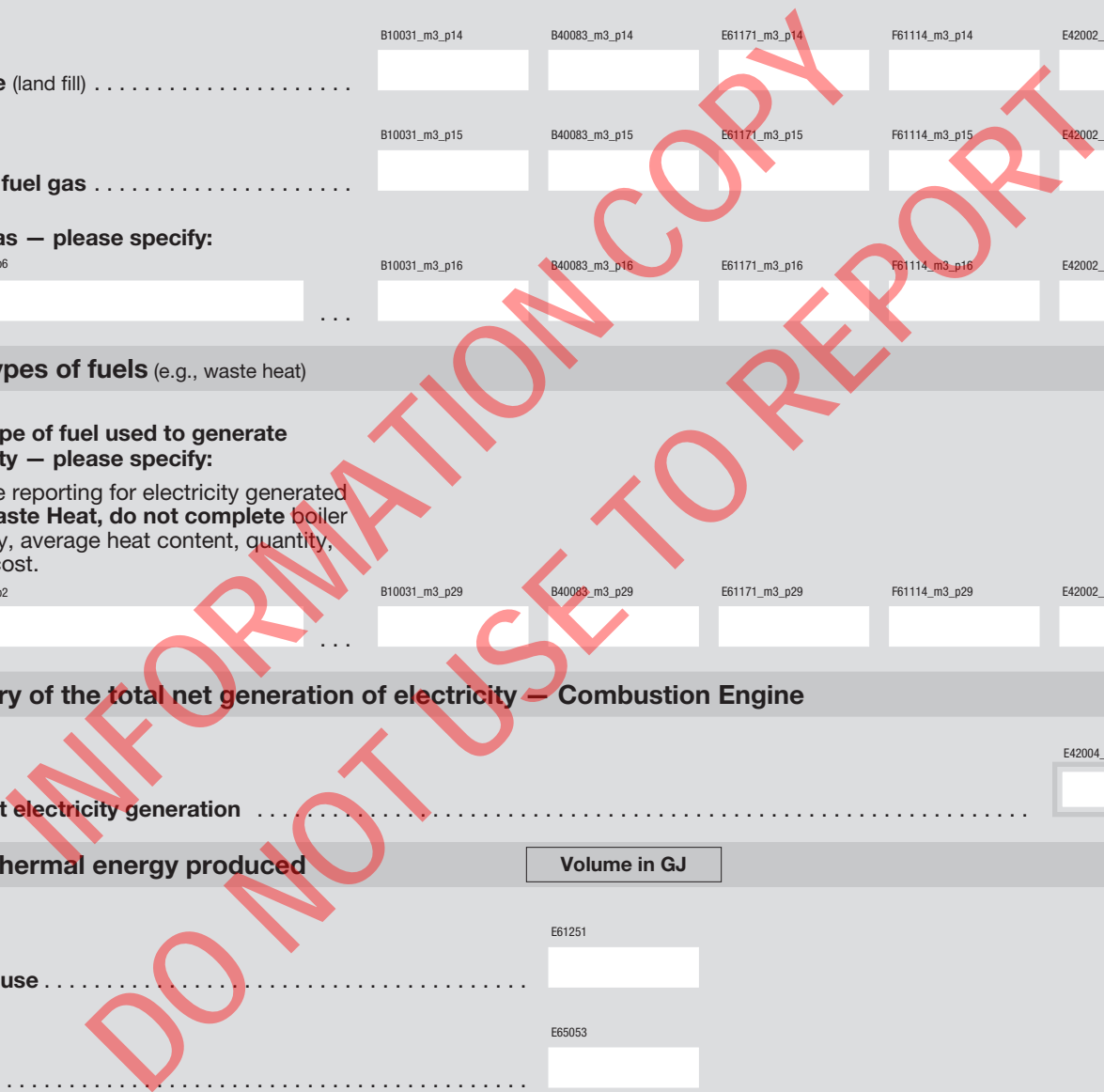
B40082_m3_y4_p2	B10031_m3_p29	B40083_m3_p29	E61171_m3_p29	F61114_m3_p29	E42002_m3_p29
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

**Summary of the total net generation of electricity — Combustion Engine**

Total net electricity generation .....

**Useful thermal energy produced** Volume in GJ

Internal use .....	<input type="text" value="E61251"/>
Sale .....	<input type="text" value="E65053"/>



## 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	Quantity	Total cost	Generation
	%	kJ/kg	MT	\$'000	MW.h

### Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)

#### Bituminous coal

B10031_m4_p17	B40083_m4_p17	E61171_m4_p17	F61114_m4_p17	E42002_m4_p17
Canadian companies . . . . .				

B10031_m4_p18	B40083_m4_p18	E61171_m4_p18	F61114_m4_p18	E42002_m4_p18
Imported (foreign countries) . . . . .				

#### Sub-bituminous coal

B10031_m4_p19	B40083_m4_p19	E61171_m4_p19	F61114_m4_p19	E42002_m4_p19
Canadian companies . . . . .				

B10031_m4_p20	B40083_m4_p20	E61171_m4_p20	F61114_m4_p20	E42002_m4_p20
Imported (foreign countries) . . . . .				

B10031_m4_p21	B40083_m4_p21	E61171_m4_p21	F61114_m4_p21	E42002_m4_p21
Lignite . . . . .				

B10031_m4_p22	B40083_m4_p22	E61171_m4_p22	F61114_m4_p22	E42002_m4_p22
Wood (e.g., bark, hog-fuel etc.) . . . . .				

B10031_m4_p23	B40083_m4_p23	E61171_m4_p23	F61114_m4_p23	E42002_m4_p23
Petroleum coke . . . . .				

B10031_m4_p24	B40083_m4_p24	E61171_m4_p24	F61114_m4_p24	E42002_m4_p24
Agriculture biomass . . . . .				

B10031_m4_p25	B40083_m4_p25	E61171_m4_p25	F61114_m4_p25	E42002_m4_p25
Other biomass (e.g., biomass from food processing) . . . . .				

B10031_m4_p26	B40083_m4_p26	E61171_m4_p26	F61114_m4_p26	E42002_m4_p26
Other biomass – type unknown . . . . .				

B10031_m4_p27	B40083_m4_p27	E61171_m4_p27	F61114_m4_p27	E42002_m4_p27
Municipal and other waste . . . . .				

#### Other solids – please specify:

B40082\_m4\_y3\_p15

B10031_m4_p28	B40083_m4_p28	E61171_m4_p28	F61114_m4_p28	E42002_m4_p28







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/m <sup>3</sup>	10 <sup>3</sup> m <sup>3</sup>	\$'000	MW.h
<b>Gaseous</b> (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
<b>Other types of fuels</b> (e.g., waste heat)					
<b>Other type of fuel used to generate electricity — please specify:</b> If you are reporting for electricity generated using <b>Waste Heat</b> , 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
<b>Summary of the total net generation of electricity — Combustion Turbine</b>					
Total net electricity generation .....					E42004_m4
<b>Useful thermal energy produced</b>		<b>Volume in GJ</b>			
Internal use .....	E61174				
Sale .....	E65011				

DO NOT USE TO REPORT INFORMATION COPY

## 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	Quantity	Total cost	Generation
	%	kJ/kg	MT	\$'000	MW.h

### Solid fuels (e.g., coal, wood, municipal waste, biomass, etc.)

#### Bituminous coal

	B10031_m5_p1	B40083_m5_p1	E61171_m5_p1	F61114_m5_p1	E42002_m5_p1
Canadian companies .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	B10031_m5_p2	B40083_m5_p2	E61171_m5_p2	F61114_m5_p2	E42002_m5_p2
Imported (foreign countries) .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Sub-bituminous coal

	B10031_m5_p3	B40083_m5_p3	E61171_m5_p3	F61114_m5_p3	E42002_m5_p3
Canadian companies .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	B10031_m5_p4	B40083_m5_p4	E61171_m5_p4	F61114_m5_p4	E42002_m5_p4
Imported (foreign countries) .....	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Lignite .....

	B10031_m5_p5	B40083_m5_p5	E61171_m5_p5	F61114_m5_p5	E42002_m5_p5
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	B10031_m5_p6	B40083_m5_p6	E61171_m5_p6	F61114_m5_p6	E42002_m5_p6

#### Wood (e.g., bark, hog-fuel etc.) .....

	B10031_m5_p7	B40083_m5_p7	E61171_m5_p7	F61114_m5_p7	E42002_m5_p7
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Petroleum coke .....

	B10031_m5_p8	B40083_m5_p8	E61171_m5_p8	F61114_m5_p8	E42002_m5_p8
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Agriculture biomass .....

	B10031_m5_p9	B40083_m5_p9	E61171_m5_p9	F61114_m5_p9	E42002_m5_p9
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Other biomass (e.g., biomass from food processing) .....

	B10031_m5_p10	B40083_m5_p10	E61171_m5_p10	F61114_m5_p10	E42002_m5_p10
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Other biomass – type unknown .....

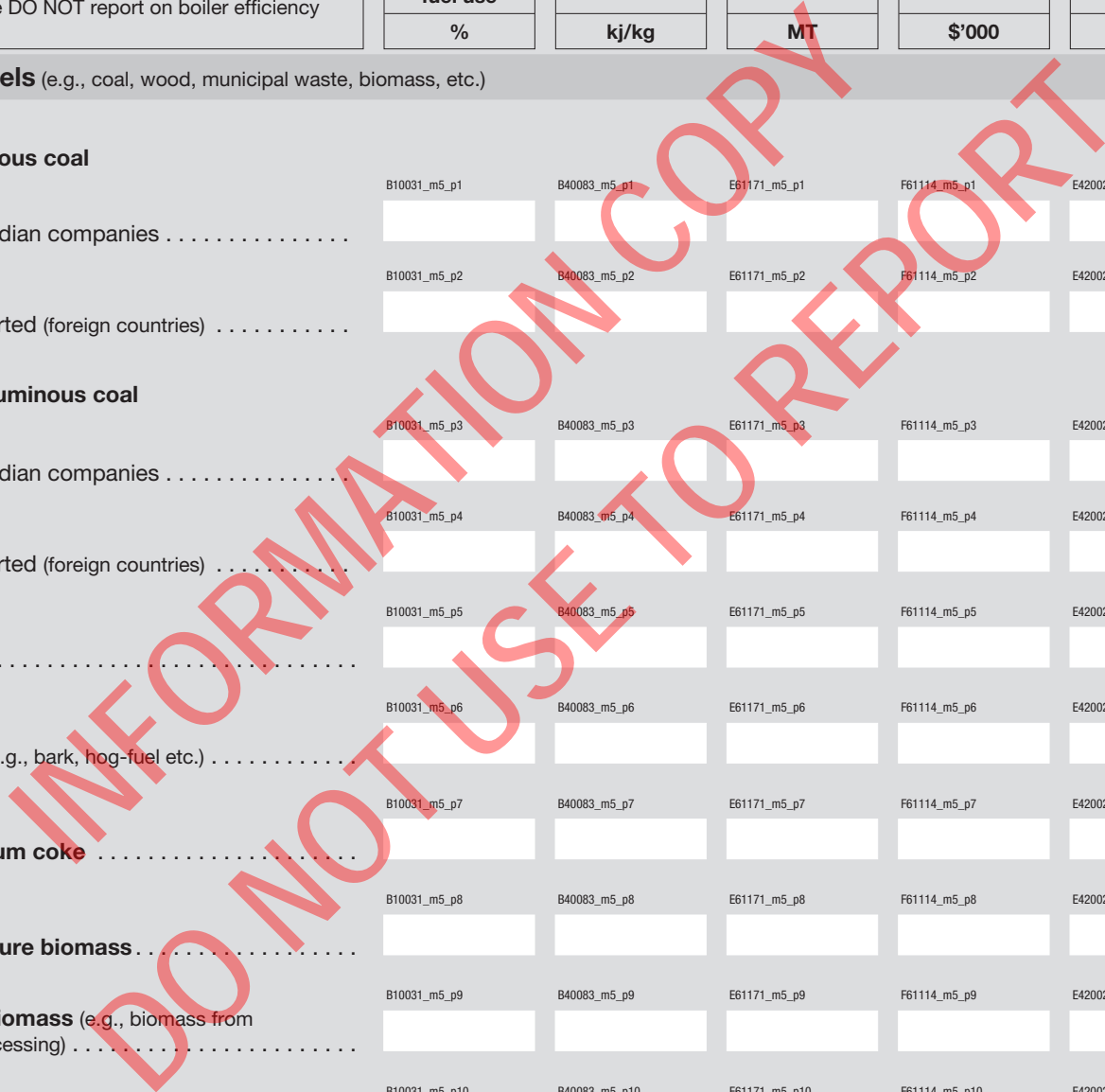
	B10031_m5_p11	B40083_m5_p11	E61171_m5_p11	F61114_m5_p11	E42002_m5_p11
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

#### Municipal and other waste .....

#### Other solids – please specify:

B40082\_m5\_y1\_p15

	B10031_m5_p12	B40083_m5_p12	E61171_m5_p12	F61114_m5_p12	E42002_m5_p12
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>





**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/m<sup>3</sup>

**Quantity**  
 10<sup>3</sup>m<sup>3</sup>

**Total cost**  
 \$'000

**Generation**  
 MW.h

**Gaseous** (e.g., natural gas, coke oven gas, methane, refined fuel gas, etc.)

<b>Natural gas</b> .....	B10031_m5_p24	B40083_m5_p24	E61171_m5_p24	F61114_m5_p24	E42002_m5_p24
<b>Coke oven gas</b> .....	B10031_m5_p25	B40083_m5_p25	E61171_m5_p25	F61114_m5_p25	E42002_m5_p25
<b>Methane (land fill)</b> .....	B10031_m5_p26	B40083_m5_p26	E61171_m5_p26	F61114_m5_p26	E42002_m5_p26
<b>Refined fuel gas</b> .....	B10031_m5_p27	B40083_m5_p27	E61171_m5_p27	F61114_m5_p27	E42002_m5_p27
<b>Other gas — please specify:</b> 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)

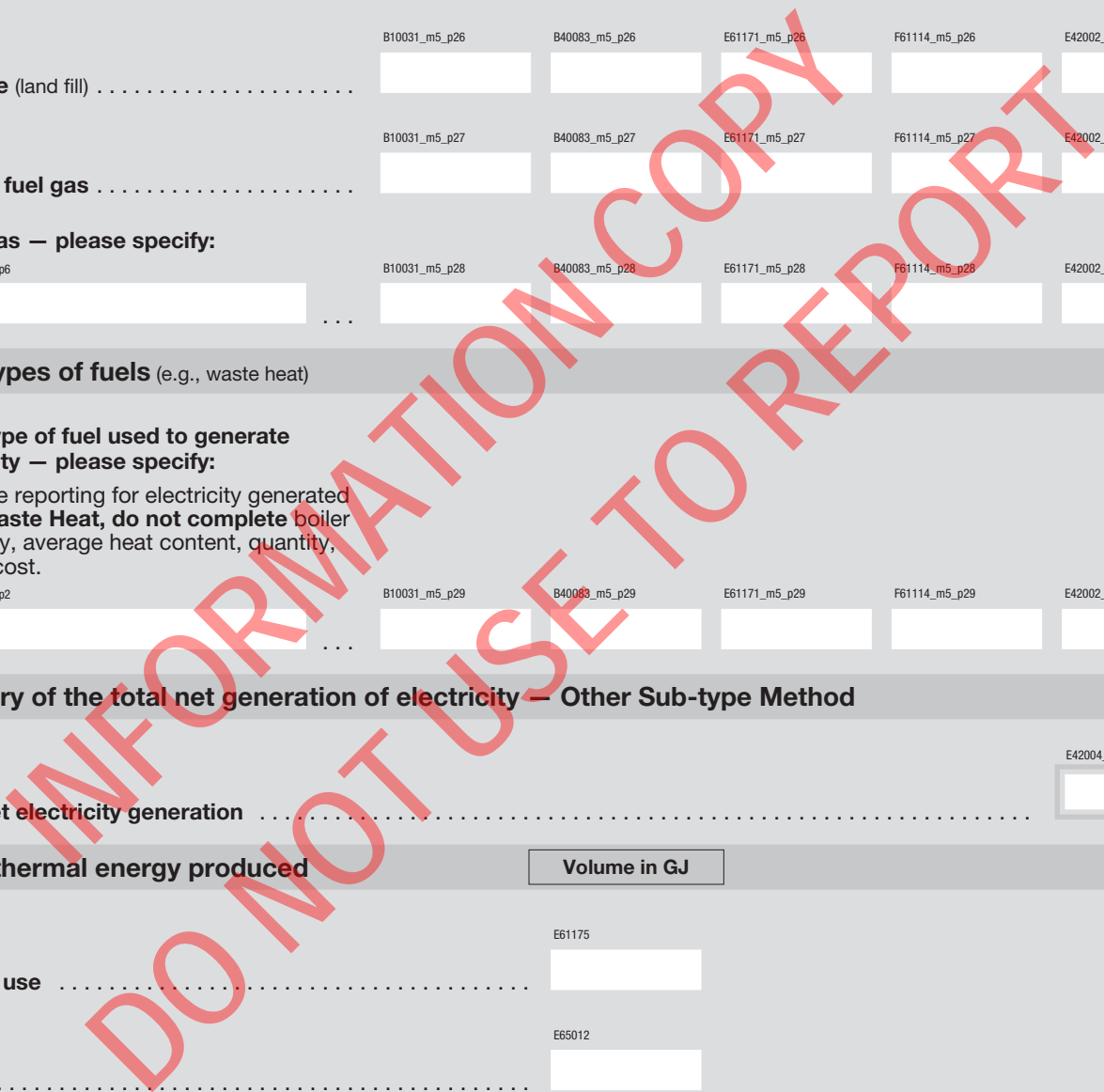
**Other type of fuel used to generate electricity — please specify:**  
 If you are reporting for electricity generated using **Waste Heat**, do not complete boiler efficiency, average heat content, quantity, or total cost.

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** .....

<b>Useful thermal energy produced</b>	<b>Volume in GJ</b>
<b>Internal use</b> .....	E61175
<b>Sale</b> .....	E65012





## 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

INFORMATION COPY  
DO NOT USE TO REPORT





## 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 the 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. 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 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](http://www.statcan.gc.ca)**