

# 2016 Annual Industrial Consumption of Energy Survey

**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 : 1-800-461-1662.

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

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

Email address (ex. user@example.gov.ca)

Telephone number (including area code)

Extension number

Fax number (including area code)

Preferred language of communication

English

French

INFORMATION COPY  
DO NOT USE TO REPORT



## Reporting instructions

- Please print in ink.
- Please report for calendar year.
- 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?

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?

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?

B00214  
Date

When does this business or organization expect to resume operations?

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?

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



**Go to question 7**

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

5. Was this business or organization's main activity ever classified as:

B05024

001

**Yes**

002

**No** → **Go to question 7**

6. When did the main activity change?

Date

YYYY MM DD

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

B05024

001

**Yes**, there are other activities.

002

**No**, that is the only significant activity. → **Go to question 9**

8. Please provide a brief but precise **description** of this business or organization's **secondary activity**.

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

B05005

9. Approximately what **percentage of this business or organization's revenue** is generated by each of the following activities?

When precise figures are not available, please provide your best estimates.

**Percentage of revenue**

a. Main activity .....

B05004    %

b. Secondary activity .....

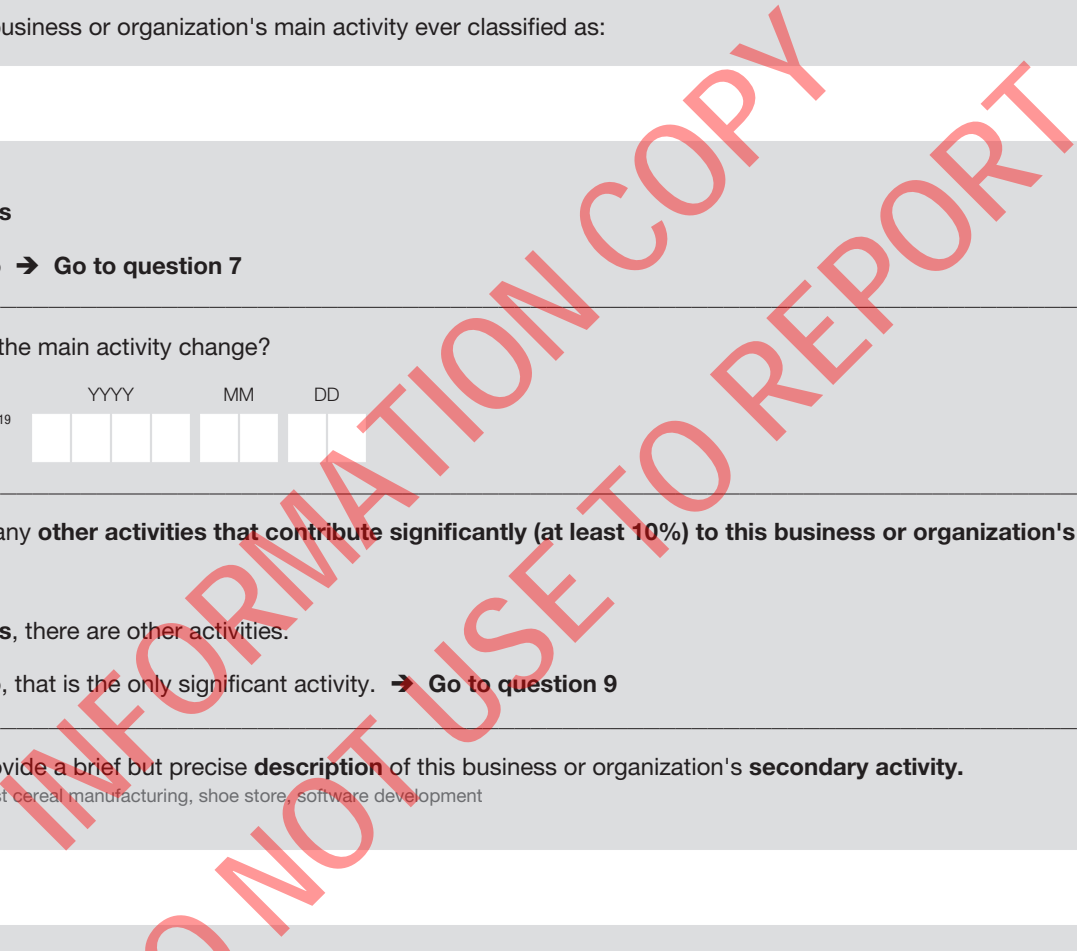
B05006    %

c. All other activities .....

B05008    %

**Total percentage** .....

B05000 **1 0 0** %



## Unit of measure

**Instructions:** The following is a list of possible units of measure. For each energy form, select the unit of measure which you are reporting in and enter the corresponding abbreviation provided (**see below in brackets**), in the column titled Unit of Measure.

100 cubic feet . . . . . (Ccf)  
33-pound cylinder . . . . . (33lb cyl)  
Barrel . . . . . (Bbl)  
Cubic foot . . . . . (ft3)  
Cubic metre . . . . . (m<sup>3</sup>)  
Gallon: imperial gallon . . . . . (UK gal)  
Gallon: U.S. gallon . . . . . (U.S. gal)  
Gigajoule . . . . . (GJ)  
Kilogram . . . . . (kg)  
Kilowatt-hour . . . . . (kWh)  
Litre . . . . . (l)  
Long ton . . . . . (lt)  
Megawatt-hour . . . . . (MWh)  
Metric tonne . . . . . (MT)  
Million Btu . . . . . (MBtu)  
Pound . . . . . (lb)  
Short ton . . . . . (st)  
Thousands of cubic meters . . . . . (10<sup>3</sup>M<sup>3</sup>)

INFORMATION COPY  
DO NOT USE TO REPORT

## Electricity generation

1. Did this business **generate** electricity?

B05044

Yes

No → Go to question 3

2. How much **electricity** did this business **generate**?

Note: Report the total quantity of electricity generated; regardless of whether it was consumed by this business or sold to others.

E42006

Quantity

B40085

Unit of measure

1  MWh 2  KWh 3  GJ 4  MBtu

## Type of energy consumed

3. Which type of energy was consumed by this business?

Type of energy commodity <small>Please report only the consumed portion</small>	Unit of measure	Amount consumed			
		*as fuel for the production process	to produce steam for sale to another business	to produce electricity	** for non-energy use
<b>Electricity</b>	B40039	E61322			
self-generated .....					
	B40041	E61323			
purchased .....					
	B40043	E61002	E61003	E61004	E61005
<b>Natural gas</b> .....					
	B40043	E61007	E61008	E61009	E61011
<b>Propane</b> .....					
<b>Middle distillates</b>	B40044	E61013	E61014	E61015	E61016
diesel (on-site only) .....					
	B40045	E61018	E61019	E61021	
light fuel oil .....					
	B40046	E61023	E61024	E61025	
kerosene and other middle distillates .....					
<b>Heavy fuel oil</b>	B40047	E61027	E61028	E61029	E61031
imported .....					
	B40048	E61033	E61034	E61035	E61036
canadian (domestic) .....					
	B40049	E61038	E61039	E61041	
<b>Wood and wood waste</b> .....					
	B40051	E61043	E61044	E61045	
<b>Spent pulping liquor</b> .....					
<b>Refuse — please specify:</b>					
B40034_p9	B40052	E61047	E61048	E61049	E61051
<b>Steam</b>	B40053	E61053		E61054	E61055
self generated .....					
	B40054	E61057		E61058	E61059
purchased .....					

Amount consumed e.g.,:

\* as fuel for the production process — heating, on-site transportation, to produce steam for own use, etc.

\*\* for non-energy use — natural gas consumed as feed to produce direct reduced iron (DRI)  
 — propane consumed as feed to produce other products  
 — diesel consumed as feed to produce other products  
 — heavy fuel oil used as feed to produce other products  
 — refuse used as feed to produce other products  
 — steam used as feed to produce other products.

## Coal and coal by-products consumed

Did this business consume any **coal**, **coal coke**, and **coal by-products** in this production process?

**No** → Go to next page

**Yes** → Please report all that apply in the table below.

4. Which type of **energy** was consumed by this business?

Type of energy commodity <small>Please report only the consumed portion</small>	Unit of measure	Amount consumed			
		* as fuel for the production process	to produce steam for sale to another business	to produce electricity	** for non-energy use
<b>Imported coal</b>					
bituminous .....	B40055	E61063	E61064	E61065	E61066
sub-bituminous .....	B40056	E61068	E61069	E61071	E61072
anthracite .....	B40057	E61074	E61075	E61076	E61077
<b>Canadian coal</b>					
bituminous .....	B40059	E61085	E61086	E61087	E61088
sub-bituminous .....	B40061	E61091	E61092	E61093	E61094
lignite .....	B40062	E61096	E61097	E61098	E61099
<b>Coal coke</b>					
imported .....	B40063	E61102	E61103	E61104	E61105
canadian (domestic) .....	B40064	E61107	E61108	E61109	E61111
<b>Coal by-products</b>					
coal tar .....	B40065	E61113	E61114	E61115	E61116
light coal oil .....	B40066	E61118	E61119	E61121	E61122
coke oven gas .....	B40067	E61124	E61125	E61126	E61127

### Amount consumed e.g.:

\* as fuel for the production process — heating, on-site transportation, etc.

\*\* for non-energy use — bituminous coal consumed as feed to produce other products  
 — sub-bituminous coal consumed as feed to produce other products  
 — anthracite consumed as feed to produce other products  
 — lignite consumed as feed to produce other products  
 — coal coke consumed as feed to produce other products  
 — coal tar consumed as feed to produce other products  
 — light coal oil consumed as feed to produce other products  
 — coke oven gas consumed as feed to produce other products.

DO NOT USE TO REPORT



## Other energy commodities

Did this business consume any petroleum coke, refinery fuel gas, coke on catalyst, bitumen emulsion (orimulsion), ethane, butane, naphtha, by-product gas, flared gas or any other type of energy commodity?

No → Go to next page

Yes

5. Which type of other **energy commodity** was consumed by this business?

Type of energy commodity <small>Please report only the consumed portion</small>	Unit of measure	Amount consumed			
		* as fuel for the production process	to produce steam for sale to another business	to produce electricity	** for non-energy use
<b>Petroleum coke</b>					
imported . . . . .	B40068	E61129	E61131	E61132	E61133
canadian (domestic) . . . . .	B40069	E61135	E61136	E61137	E61138
<b>Refinery fuel gas</b> . . . . .	B40071	E61141	E61142	E61143	<del>                    </del>
<b>Coke on catalyst</b> . . . . .	B40072	E61145	E61146	E61147	E61148
<b>Bitumen emulsion (orimulsion)</b> . . . . .	B40073	E61151	E61152	E61153	E61154
<b>Ethane</b> . . . . .	B40074	E61156	<del>                    </del>	<del>                    </del>	E61157
<b>Butane</b> . . . . .	B40075	E61159	<del>                    </del>	<del>                    </del>	E61161
<b>Naphtha</b> . . . . .	B40076	<del>                    </del>	<del>                    </del>	<del>                    </del>	E61162
<b>By-product gas</b> . . . . .	B40077	E61163	<del>                    </del>	<del>                    </del>	<del>                    </del>
<b>Flared gas</b> . . . . .	B40078	<del>                    </del>	<del>                    </del>	<del>                    </del>	E61164
<b>Other type of energy commodity — please specify:</b>					
B40038_p11	B40079	E61166	E61167	E61168	E61169

**Amount consumed e.g.:**

\* as fuel for the production process — heating, on-site transportation, etc.

- \*\* for non-energy use —
- petroleum coke consumed as feed to produce other products
  - coke on catalyst consumed as feed to produce other products
  - bitumen emulsion (orimulsion) consumed as feed to produce other products
  - ethane consumed as feed to produce other products
  - butane consumed as feed to produce other products.

DO NOT USE TO REPORT

## Steam Sales

Did this business produce steam to sell or transfer to others?

B05036\_m3

- No** → Thank you for your cooperation     
  **Yes** → Please report, in gigajoules, the amount sold to external clients at question 6. ↓

6. Which type of clients did this business sell **steam** to?  
(Mark all that apply)

		Gigajoules
B71001_y1	<input type="checkbox"/> residential (including apartment buildings) .....	E65001
B71001_y2	<input type="checkbox"/> agriculture .....	E65002
B71001_y3	<input type="checkbox"/> paper manufacturing .....	E65003
B71001_y4	<input type="checkbox"/> chemical manufacturing .....	E65004
B71001_y5	<input type="checkbox"/> all other manufacturing .....	E65005
B71001_y6	<input type="checkbox"/> public administration .....	E65006
B71001_y7	<input type="checkbox"/> commercial and other institutions .....	E65007
<b>Total</b> .....		[ ]

## Reasons for changes in energy consumption

Statistics Canada compares responses to this questionnaire with those from previous years. In order to reduce the necessity for further inquiries, please mark the boxes that best describe the reasons for significant changes in your energy consumption from the previous year, and provide an explanation.

B00315_r1	<input type="checkbox"/> fuel switch .....	B00315_r2	[ ]
B00315_r3	<input type="checkbox"/> fuel price changes .....	B00315_r4	[ ]
B00315_r5	<input type="checkbox"/> technology changes .....	B00315_r6	[ ]
B00315_r7	<input type="checkbox"/> process changes .....	B00315_r8	[ ]
B00315_r9	<input type="checkbox"/> awareness of energy efficiency .....	B00315_r10	[ ]
B00315_r11	<input type="checkbox"/> new contract or loss of contract .....	B00315_r12	[ ]
B00315_r15	<input type="checkbox"/> plant expansion or contraction .....	B00315_r16	[ ]
B00315_r17	<input type="checkbox"/> change in product line .....	B00315_r18	[ ]
B00315_r19	<input type="checkbox"/> other — please specify: .....	B00315_r20	[ ]
B00315_r21	<input type="checkbox"/> no changes or events		

## Contact person

Name of person to contact about this questionnaire:

First name

Last name

Title

Email address

Telephone number

Extension number

Fax number

hours

minutes

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

:

## 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

INFORMATION COPY  
DO NOT USE TO REPORT