

Electricity Supply Disposition Annual Survey 2011

Reporting Guide

This guide is designed to assist you as you complete the
2011 Electricity Supply Disposition Annual Survey.

Help Line: 1-877-604-7828

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*. The confidentiality provisions of the *Statistics Act* are not affected by either the *Access to Information Act* or any other legislation. Therefore, for example, the Canada Revenue Agency cannot access identifiable survey records from Statistics Canada.

Information from this survey will be used for statistical purposes only and will be published in aggregate form only.

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A – General information

Purpose of Survey

The purpose of this survey is to obtain information on the supply of, and 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. In the case of public utilities, it is used by governmental agencies to fulfill their regulatory responsibilities. The private sector also uses this information in the corporate decision-making process.

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 must 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 Alberta Ministry of Energy, the British Columbia Ministry of Energy and Mines, the 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.

Data Linkage

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

B – Reporting Instructions

Please report information for the period of **January to December, 2011**.

Please complete all sections as applicable.

If the information requested is unknown, please provide **your best estimate**.

This guide is designed to assist you as you complete the 2011 Electricity Supply Disposition Survey. If you need more information, please call 1-877-604-7828.

C – Definitions

Please indicate in the box preceding the dollar value, if the electricity purchased from (imported) or sold (exported) to the U.S.A., is the following:

Firm Energy or Power

Electrical energy or power intended to be available at all times during the period of the agreement of its sale (i.e., contract).

Interruptible Energy or Power

Energy or power made available under an agreement that permits curtailment or interruption of delivery at the option of the supplier (can change based on supply/quantity).

Non-revenue

Electricity used as a form of compensation (service for right of way).

D – Section 1: Electricity Generated

Please report the total production of gross generation of electricity by source and amount of MW.h

Hydro: Electric power generated from a plant in which the turbine generators are driven by flowing water.

Steam: A plant in which the prime mover is a steam turbine. The steam used to drive the turbine is produced in a boiler where fossil fuels or other combustible materials are burned.

Nuclear: Electricity generated at an electric power plant whose turbines are driven by steam generated in a reactor by heat from the fission of nuclear fuel.

Internal Combustion: A power plant in which the prime mover is an internal combustion engine. Electric power is generated by the rapid burning of a fuel-air mixture into mechanical energy.

Combustion Turbine: A power plant in which the prime mover is a combustion turbine. Electric power is generated by the burning of a fuel into mechanical energy.

Tidal: Electric power generated from a plant in which the turbine generators are driven by rushing water.

Wind: A power plant in which the prime mover is a wind turbine. Electric power is generated by the conversion of wind power into mechanical energy.

Solar: Electricity created by using Photovoltaic (PV) technology by converting solar energy into solar electricity from sunlight.

E – Section 2: Gross receipts of electricity from the U.S.A.

If applicable, indicate the Canadian dollar value (thousands of dollars) and the amount of electricity (MW.h) your company purchased from the U.S.A.

F – Section 3 : Gross receipts of electricity from other provinces

If applicable, indicate the name of the company, the dollar value (thousands of dollars) and the amount of electricity (MW.h) purchased from other provinces.

Indicate electricity purchased through a power purchase agreement and not purchased directly through the grid.

For each company please report if electricity received is firm, interruptible or non-revenue.

G – Section 4 : Gross receipts of electricity from within province

If applicable, indicate the name of the company, the dollar value (thousands of dollars) and the amount of electricity (MW.h) purchased from within your province.

Indicate electricity purchased through a power purchase agreement and not purchased directly through the grid.

For each company please report if electricity received is firm, interruptible or non-revenue.

H – Section 5 : Total Supply

This is the sum of **Total Generation** (line 1.9), **Total Receipts from U.S.A.** (line 2.9), **Total Receipts from Other Provinces** (line 3.9) and **Total Receipts from Within Province** (line 4.9).

The **Total Supply** number (line 5.0) must equal the **Total Disposal** number in Section 12 (line 12.0).

I – Section 6 : Gross deliveries of electricity to the U.S.A.

If applicable, indicate the Canadian dollar value (thousands of dollars) and the amount of electricity (MW.h) your company sold to the U.S.A.

J – Section 7 : Gross deliveries of electricity to other provinces

If applicable, indicate the name of the company, the dollar value (thousands of dollars) and the amount of electricity (MW.h) your company sold to other provinces.

For each company please report if electricity delivered is firm, interruptible or non-revenue.

K – Section 8 : Gross deliveries of electricity within province

If applicable, indicate the name of the company, the dollar value (thousands of dollars) and the amount of electricity (MW.h) your company sold within your province.

For each company please report if electricity delivered is firm, interruptible or non-revenue.

L – Section 9 : Electricity used

Report all electricity **consumed** (self-generated or purchased) i.e. used for own operation or given as compensation.
Please do not duplicate in Section 10.

M – Section 10 : Deliveries to Ultimate Consumers (Billed plus or minus adjustments)

The customer categories requested in this questionnaire have been revised according to the 1997 North American Industrial Classification System (N.A.I.C.S.).

- (a) The number of consumers is required. In the case of bulk metered apartments, the number of individual suites should be included.
Exclude the number of seasonal customers.
Include the amount of electricity consumed by seasonal customers.
- (b) Revenue from sales of electricity, distribution, transmission and any other regulated charges.
Exclude G.S.T. / P.S.T. / H.S.T.

Line 10.8 – Single residential meter service

Include all sales destined to be used in a single residential meter service. (i.e. single family dwelling).

Line 10.9 – Bulk residential metering service

Include all sales destined to be used in a bulk residential metering service. (i.e. apartments, condominiums, etc.)

Line 10.16 – Family farms (at farm rates)

Include all sales to agricultural establishments with permanent dwellings.

Line 10.17 – Corporate farms (at commercial/industrial farm rates)

Include all sales to agricultural establishments and support activities for crop and animal production (NAICS code 111, 112, 1151 and 1152) with no residential component involved.

Exclude any operations primarily engaged in food processing or farm machinery manufacture and repair.

Line 10.18 – Irrigation (at irrigation rates only)

Include all sales to agricultural establishments for irrigation purposes.

Line 10.19 – Total agriculture

Report the sum of lines 10.16, 10.17 and 10.18

Line 10.20 – Total residential and agriculture

Report the sum of lines 10.8, 10.9 and 10.19

Line 10.21 – Iron ore mining

Include all sales to establishments primarily engaged in mining, beneficiating or otherwise preparing iron ores. NAICS code 21221.

Line 10.22 – Oil and gas extraction and support activities

Include all sales to establishments primarily engaged in the exploration for and/or production of crude oil and natural gas, whether by conventional or non conventional methods. Also include establishments primarily engaged in contract drilling operations for crude oil and natural gas as well as services incidental to oil and gas extraction. NAICS codes 211 and 213 (exclude 213119).

Line 10.28 – Other mining and support activities

Include all sales to establishments primarily engaged in mining activities other than iron mines, crude oil and natural gas extraction and crude oil and natural gas support activities. This category includes metal mines, non metal mines, stone quarries and sand and gravel pits. NAICS codes 212 and 213119 (exclude 21221).

Line 10.30 – Food manufacturing

Include all sales to establishments primarily engaged in producing food for human or animal consumption. NAICS code 311.
Exclude establishments primarily engaged in manufacturing beverages and tobacco - NAICS code 312.

Line 10.31 – Paper manufacturing

Include all sales to establishments primarily engaged in manufacturing pulp, paper and paper products. NAICS code 322.

Line 10.32 – Iron and steel manufacturing

Include all sales to establishments primarily engaged in operating blast furnaces used in smelting iron ore and steel scrap, casting mills, rolling mills or coke oven operated in association with blast furnaces including ferrous metal foundries for the production of ferro-alloys. NAICS codes 3311, 3312 and 33151.

Line 10.33 – Aluminium and non-ferrous metal manufacturing

Include all sales to establishments primarily engaged in extracting alumina from bauxite ore, producing aluminum from alumina, refining aluminum by any process and establishments primarily engaged in other non-ferrous metal smelting and refining, including non-ferrous metal foundries. NAICS codes 3313, 3314 and 33152.

Line 10.34 – Cement manufacturing

Include all sales to establishments primarily engaged in the manufacturing of cement (hydraulic, masonry and Portland cements), NAICS code 32731.

Exclude ready mix concrete operations. These should be reported in “other manufacturing” (line 10.58).

Line 10.35 – Petroleum and coal products manufacturing

Include all sales to establishments primarily engaged in the transforming of crude petroleum and coal into intermediate and end products including fuels, blended oils and greases. The dominant process is petroleum refining, which separates crude petroleum into components or fractions through such techniques as cracking and distillation. NAICS code 324.

Line 10.36 – Chemical, pesticide and fertilizer manufacturing

Include all sales to establishments primarily engaged in manufacturing chemicals and chemical preparations, from organic and inorganic raw materials. Also included are establishments primarily engaged in the manufacturing of agricultural chemicals, including nitrogenous and phosphoric fertilizer materials; mixed fertilizers; and agricultural and household pest control chemicals. NAICS codes 3251 and 3253.

Line 10.58 – Other manufacturing

Include all sales to manufacturing establishments not covered above. This category comprises establishments which are primarily engaged in the following manufacturing activities:

NAICS CODES

Beverage and Tobacco Product Manufacturing	312
Textile Mills	313
Textile Product Mills	314
Clothing Manufacturing	315
Leather and Allied Product Manufacturing	316
Wood Product Manufacturing	321
Printing and Related Support Activities	323
Resin, Synthetic Rubber and Artificial and Synthetic Fibers and Filaments Manufacturing	3252
Pharmaceutical and Medicine Manufacturing	3254
Paint, Coating and Adhesive Manufacturing	3255
Soap, Cleansing Compound and Toilet Preparation Mfg.	3256
Other Chemical Product Manufacturing	3259
Plastics and Rubber Products Manufacturing	326
Non-Metallic Mineral Product Manufacturing - (excluding Cement Manufacturing - 32731)	327
Fabricated Metal Product Manufacturing	332
Machinery Manufacturing	333
Computer and Electronic Product Manufacturing	334
Electrical Equipment, Appliance and Component Mfg.	335
Transportation Equipment Manufacturing	336
Furniture and Related Product Manufacturing	337
Miscellaneous Manufacturing	339

Line 10.61 – Urban transit systems

Include all sales to establishments primarily engaged in operating local and suburban mass passenger transit systems. NAICS code 4851.

Line 10.62 – Pipeline transportation and natural gas distribution

Include all sales to establishments primarily engaged in operating pipelines for the transport of natural gas, crude oil and refined petroleum products. Also included are establishments engaged in the distribution of natural gas through a system of mains. NAICS codes 486 and 2212.

Line 10.63 – Public administration

Include all sales to establishments of federal, provincial and municipal governments primarily engaged in activities associated with public administration. This includes such establishments as the Federal Public Service, the Department of National Defence, Royal Canadian Mounted Police and provincial and local administrations. This category covers NAICS code 91.

Exclude sales to municipalities to operate street lights.

Line 10.64 – Street lighting

Include all sales to municipalities to operate street lights.

Line 10.78 – Commercial and other institutional

Include :

Sales to establishments not covered above which are primarily engaged in retailing, wholesaling, finance, insurance, electrical power transmission and distribution (sold to electric utility), warehousing and storage, telecommunication and broadcasting, education, health care and social assistance.

Electricity used for heating and cooling buildings and offices.

Sales to establishments not covered above which are primarily engaged in other services activities not previously specified.

NAICS CODES

Forestry and logging, fishing, hunting and trapping, and support activities for forestry.	113, 114 and 1153
Water, sewage and other systems	2213
Construction	23
Wholesale trade	41
Retail trade	44 and 45
Transportation (excluding urban transit systems and pipeline transport).	48 (excl. 4851 and 486)
Postal service	491
Couriers and messengers.	492
Warehousing and storage.	493
Information and cultural industries	51
Finance and insurance	52
Real estate and rental and leasing	53
Professional, scientific and technical services	54
Management of companies and enterprises.	55
Administrative and support, waste management and remediation services.	56
Educational services.	61
Health care and social assistance	62
Arts, entertainment and recreation	71
Accommodation and food services.	72
Other services (except public administration).	81

Line 10.99 – Grand total

This is the sum of **Total Residential and Agriculture** (line 10.20), **Total Mining and Manufacturing** (line 10.60) and **Total Other** (line 10.79).

N – Section 11 : Transmission, distribution and other losses

Include

- transmission losses
- adjustments
- “unaccounted for” amounts which are subject to variation because of cyclical billing

Exclude

- Generating station use output as measured at the generating station gate.

O – Section 12 : Total Disposal

This is the sum of **Total Deliveries to U.S.A** (line 6.9), **Total Deliveries to Other Provinces** (line 7.9), **Total Deliveries Within Province** (line 8.9), **Total Electricity Used** (line 9.9), **Grand Total of Deliveries to Ultimate Customers** (line 10.99) and **Transmission, Distribution and Other Losses** (line 11.0).

The **Total Disposal** number (line 12.0) must equal the **Total Supply** number in Section 5 (line 5.0).

Thank you for your participation.