



Manufacturing, Construction and Energy Division
Energy Section

Electric Power Thermal Generating Station Fuel Consumption Annual 2004

(Industrial Generation)

Deadline for Receipt: March 21, 2005

Division de la fabrication, de la construction
et de l'énergie, Section de l'énergie

Consommation de combustible des centrales thermiques d'énergie électrique annuel 2004

(Production industrielle)

Date de retour : le 21 mars 2005

Schedule # 5

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

**Completion of this
questionnaire is a
legal requirement
under this Act.**

Questionnaire # 5

Confidentiel
une fois rempli
Renseignements
recueillis en vertu de
la Loi sur la
statistique, Lois
révisées du Canada
1985, chapitre S19.

**En vertu de cette loi,
il est obligatoire de
remplir le présent
questionnaire.**

Correct pre-printed information if necessary. - Corriger l'information pré-imprimée si nécessaire.

PURPOSE OF THE 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.

CONFIDENTIALITY

Statistics Canada is prohibited by law from publishing any statistics which would divulge information obtained from this survey that relates to any identifiable business. The data reported will be treated in strict confidence, used for statistical purposes and published in aggregate form only. The confidentiality provisions of the Statistics Act are not affected by either the Access to Information Act or any other legislation. An exception to the general rule of confidentiality under the Statistics Act is the disclosure, at the discretion of the Chief Statistician, of identifiable information relating to the public utilities, which includes undertakings supplying petroleum or petroleum products by pipeline, and undertakings supplying, transmitting or distributing gas, electricity or steam. This applies to the dissemination of aggregate survey results at the provincial or territorial level where only one or two public utilities may have reported data or where one dominates the industry in a particular province or territory.

DATA SHARING AGREEMENTS

To reduce response burden and to ensure uniform statistics, Statistics Canada has entered into data sharing agreements with various agencies and government departments for the joint collection and sharing of data from this survey. The information provided in this survey pertaining to individual respondents cannot be divulged, in any way, by the parties with which Statistics Canada has agreements.

Agreements exist under section 11 of the *Statistics Act* to share information with the statistical agencies of Nova Scotia, Quebec, Saskatchewan and Alberta regarding business establishments located or operating in their respective province. These provincial statistical agencies have been established under provincial legislation authorizing them to collect this information on their own or jointly with Statistics Canada. The provincial legislation in those four provinces also contains the same confidentiality protection and outlines similar penalties for disclosure of confidential information as the federal *Statistics Act*.

Under Section 12 of the *Statistics Act*, an agreement exists with Natural Resources Canada, the National Energy Board and Environment Canada. Section 12 agreements shall not apply to your return if an officer of your company objects in writing to the Chief Statistician and mails the letter to the Manufacturing, Construction and Energy Division of Statistics Canada together with the completed questionnaire. Please specify the agency or association listed above from which data shall be withheld.

INSTRUCTIONS

This schedule is to be completed and returned to Statistics Canada, Manufacturing, Construction and Energy Division, Energy Section, Jean Talon Building, Ottawa, K1A 0T6, by **March 21, 2005**. If you require assistance in the completion of the questionnaire, contact the Energy Section by telephoning (613) 951-7077, or by fax at (613) 951-9499.

Fax or Other Electronic Transmission Disclosure

Statistics Canada advises you there could be a risk of disclosure during the facsimile or other electronic transmission. However, upon receipt of your information, Statistics Canada will provide the guaranteed level of protection afforded all information collected under the authority of the *Statistics Act*.

CERTIFICATION

I certify that the information contained herein is complete and correct to the best of my knowledge and belief.

Signature _____

Date _____

Name of signer (please print)
Nom du signataire (en lettres moulées s.v.p.)

Official position of signer
Fonction officielle du signataire

E-mail address
Adresse électronique

Name of contact for further information
Pour plus de renseignements contacter

Fax - Télécopieur

Telephone - Téléphone

Extension - Poste

_____ - _____ - _____



INSTRUCTIONS (FOR INDUSTRY) - INSTRUCTIONS (POUR INDUSTRIE)

This schedule is to be completed for the station or stations indicated on the label affixed to the questionnaire. Estimate if necessary. Value should be the total cost at the station gate. Shaded areas are reserved for Statistics Canada use **ONLY**.

Ce rapport devrait être rempli pour la centrale ou les centrales indiquées sur l'étiquette affixée sur le questionnaire. Estimer si nécessaire. La valeur devrait être le coût total aux portes de la centrale. Les zones ombragées sont réservées pour l'usage de Statistique Canada **SEULEMENT**.

Are there any stations on standby? If yes, please report them in the Notes section.
Est-ce qu'il y a des centrales en attentes? Si oui, veuillez les indiquer dans la section des Notes.

Are the reported fuels consumed for electricity generation **ONLY**?
Est-ce que les combustibles rapportés sont **UNIQUEMENT** pour la production d'électricité?

- Yes / Oui ▶ Please complete part 2 (except the efficiency column) / Veuillez compléter la partie 2 (sauf la colonne de l'efficacité)
- No / Non ▶ Please complete part 1 and 2 (report the total amount of fuel(s) used in the boiler(s)) / Veuillez compléter les parties 1 et 2 (rapporter le montant total de combustible(s) utilisé(s) dans la (les) chaudière(s))

PART 1 - PARTIE 1

What is the actual electrical generator efficiency? % What is the actual turbine efficiency? %
 Quelle est l'efficacité réelle du générateur électrique?
 What portion of steam is used to produce electricity? %
 Quelle portion de vapeur est utilisée à la production d'électricité?

PART 2 - PARTIE 2

Fuels Combustibles		Efficiency of the boiler by fuel use Efficacité de la chaudière par combustible utilisé	Average heat content Teneur énergétique moyenne	Quantity Quantité	Total cost Coût total	Generation Production
Solid – Solides		%	kj/kg (Higher heating value - Haute valeur calorifique)	Mg (metric tonnes) (tonnes métriques)	\$	MW.h
Bituminous coal – Charbon bitumineux						
Canadian – Canadien	1.1					
Imported – Importé	1.2					
Subbituminous coal – Charbon sous-bitumineux	1.3					
Lignite	1.4					
Spent pulping liquor – Lessive de pâte épuisée	1.5					
Wood (bark, hog-fuel etc.) – Bois (écorce, déchets, etc.) . .	1.6					
Petroleum Coke – Coke de pétrole	1.7					
Other (specify) – Autre (spécifier) _____	1.8					
Liquid – Liquides			kj/l	kl	\$	
Light fuel oil – Mazout léger (# 1,2,3)	2.1					
Heavy fuel oil – Mazout lourd (# 4,5,6)	2.2					
Diesel	2.3					
Other (specify) – Autre (spécifier) _____	2.5					
Gaseous – Gazeux			kj/m ³	10 ³ m ³	\$	
Natural gas – Gaz naturel	3.1					
Coke oven gas – Gaz de four à coke	3.2					
Methane – Méthane	3.3					
Other (specify) – Autre (spécifier) _____	3.4					
Other – Autre			kj/g	kg	\$	
Nuclear – (Uranium) – Nucléaire	4.1					
Waste heat – Récupération thermique	4.2	If waste heat is used to generate electricity, please indicate MW.h produced. – Si la récupération thermique est utilisée pour produire de l'électricité, indiquer les MW.h produits.				
Net Electricity Generation (exclude station service) – Production d'électricité nette (sans l'entretien de la centrale)	5.0					Net MW.h

Notes: _____

