

Energy Diagnostic Tool – Industrial Market

Rapport de diagnostic énergétique Marché industriel

CLIENT
Abattoir Poules-sans-tête Ltée
 11 rang Tousseau
 St-Hubert, K0T 0K0

PERSONNE RESSOURCE CHEZ HYDRO-QUÉBEC
Camille Lemire
 600, avenue de la Montagne
 Shawinigan, G9N 7N5

N° de client : 123456789
 Secteur : Aliments et boissons
 Sous-secteur : Abattage et découpe de viande

Courriel : lemire.camille@te.ireq.ca
 Téléphone : 819-539-1400 poste 1481

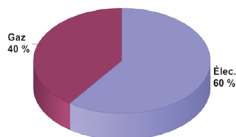
Portrait de votre consommation

Nous sommes heureux de vous présenter le portrait de votre consommation énergétique annuelle par usage et par source d'énergie pour l'année se terminant le 28 janvier 2009. Nous nous sommes basés sur les renseignements que vous nous avez fournis et sur le profil type d'une entreprise couvrant dans votre secteur d'activité.

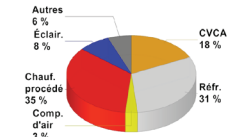
Bien que ce portrait ne soit pas équivalent à une évaluation effectuée par un professionnel, nous vous le présentons à titre indicatif en espérant qu'il vous aidera à mieux gérer votre consommation d'énergie et à atteindre vos objectifs d'efficacité.

	ELECTRICITÉ kWh/an	GAZ m ³ /an	%
Chauffage, ventilation et conditionnement d'air (CVCA)	949 731	68 417	18,3 %
Réfrigération	1 663 009		18,3 %
Compression d'air	136 898		1,5 %
Chauffage lié au procédé	1 914 164	281 583	53,6 %
Éclairage	419 473		4,6 %
Force motrice et autres procédés	333 492		3,7 %
Total - sources d'énergie	5 416 766	350 000	
Total des coûts	385 095 \$	165 000 \$	560 095 \$

Répartition de vos sources d'énergie



Répartition de la consommation d'électricité



To support the efforts of industrial customers to improve their energy efficiency, Hydro-Québec has developed the Energy Diagnostic Tool – Industrial Market. It was designed to help Hydro-Québec representatives such as account managers and sales engineers in their efforts to promote energy efficiency among Rate M industrial customers whose electricity bill exceeds \$200,000 a year.

Consumption profile and recommendations

The Energy Diagnostic Tool – Industrial Market offers customers a way to obtain their consumption profile and avenues for improving their energy performance. Based on a questionnaire filled out by the customer, this tool automatically generates a consumption profile featuring customized recommendations linked to Hydro-Québec's energy efficiency programs. Energy consumption is divided into six usages: lighting; air compression; heating, ventilation and air-conditioning (HVAC); refrigeration; process heating; and motive power and other processes. This information makes it possible to inform customers about the investments needed to improve their energy performance.

In the kit

Real-world testing was done in 2010, and the Energy Diagnostic Tool – Industrial Market is now part of account managers' toolkits. Its development supports the objectives of Hydro-Québec's Energy Efficiency Plan, which targets energy savings of 2.3 TWh by 2015 for this customer category.

Main advantages

- > Better understanding of energy use for a given industrial site
- > Possibilities for improving energy performance
- > Acquisition of knowledge about energy use by industrial customers

User-friendly

The Energy Diagnostic Tool – Industrial Market is easy to use. It runs under Windows and is installed on the computers of Hydro-Québec account managers and sales engineers. Features include:

- > Interface for collecting customer information
- > Generation of a preparatory questionnaire
- > Automatic generation of a report including energy efficiency recommendations specifically selected for the customer

Data is stored on a central server so that it can be shared by the various employees advising the customer.

Customized report

The customized report contains the following:

- > Information on the customer's energy usage
 - > total energy consumption
 - > breakdown of consumption by energy use
 - > load factor
- > A table of the top recommendations
- > A series of energy efficiency recommendations for reducing energy consumption

Several of the recommendations are supported by calculated energy savings, an estimated payback period and an indication of whether the measures involved are covered by Hydro-Québec financial assistance programs.

For information

Camille Lemire, Project Coordinator
Laboratoire des technologies de l'énergie
600, avenue de la Montagne
Shawinigan (Québec) G9N 7N5
Canada
Telephone: 819 539-1400 poste1481
E-mail: lemire.camille@lte.ireq.ca

Business partner

ICO Technologies (software development)

March 2012

2012G069_Outil_diag_A