# ENERGY WISE Building Initiatives Program – Major Customers
## Optimization Project Proposal Form

**Important note:** In compliance with Hydro-Québec's directive on the application of the *Charter of the French Language*, all written communications with legal entities having a place of business in Québec are in French only.

Customers wishing to submit a proposal under the ENERGY WISE Building Initiatives Program – Major Customers, Building Optimization component, must therefore complete the optimization project proposal form [*Formulaire de proposition – Volet optimisation énergétique des bâtiments*] in French. A translation of the contents of this form is provided below for information purposes only.

If you are using the electronic version of the form, available from **www.hydroquebec.com/majorcustomers/ee**, each response field will expand to accommodate your answer. If you are filling out the hard copy (or printed version), you may attach separate sheets for responses that do not fit in the spaces provided.

### 1. Applicant identification

Applicant's name | Title

Telephone | Fax | E-mail

Company name

Address | Municipality | Postal code

**Applicant's signature** | **Date**

*The applicant must have company signing authority.*

### 2. Project site

**HQ account no.** | **Building name**

Address of project building *(if different from above)* | Municipality | Postal code

Name of project manager *(if not applicant)* | Telephone | Fax | E-mail

Project manager's address *(if different from site)* | Municipality | Postal code

### 3. Building use

### 4. Description of optimization project

Project title

**Brief description of project**

### 5. Summary of optimization project timetable

**What are the planned project dates (assuming about six weeks for Hydro-Québec to review proposal)?**

Submission of copies of purchase orders | Start-up | Submission of "after" measurement report

## 6. Description of electricity-saving measures

**Planned electricity-saving measures**

## 7. Summary of methods for measuring electricity consumption before and after implementation of electricity-saving measures

**7.1** **"Before" measurements** (Explain methods briefly. See *ENERGY WISE Building Initiatives Program – Major Customers Participant's Guide*.)

**7.2** **"After" measurements** (Explain methods briefly. See *ENERGY WISE Building Initiatives Program – Major Customers Participant's Guide*.)

A measurement plan must be submitted (See Section 10, Document checklist.)

## 8. Summary of electricity savings

*A summary of required Excel spreadsheet data (see Section 10) must be given in the table below.*

| Summary of "before" electricity consumption | |
|---|---|
| **Electricity consumption calculated or measured before** (MWh/year) (1) | |

| Summary of "after" electricity consumption | |
|---|---|
| **Electricity consumption calculated after** (MWh/year) (2) | |

| Summary of electricity savings | |
|---|---|
| **Electricity savings (MWh/year)** (3) = (1) – (2) | |

## 9. Summary of project costs

*A summary of required Excel spreadsheet data (See Section 10) must be given in table below.*
Taxes not refunded by the governments may be included in these costs.

| **Project costs** | | **Costs (C$)** |
|---|---|---|
| Equipment purchase costs | **A =** | |
| Measuring instrument purchase costs | **B =** | |
| "Before" and "after" measurement costs | **C =** | |
| In-house labor costs | **D =** | |
| Outside engineering costs | **E =** | |
| Costs of installation and start-up contracts | **F =** | |
| Costs of motors not built into the machinery *(cost differential between premium efficiency motors and motors that meet the efficiency standards of the* Energy Efficiency Regulations*, November 1997)* | **G =** | |
| **Total project costs** | **H = (A + B + C + D + E + F + G) =** | |
| **Total electricity savings (MWh/year)** | **I =** | |
| **Cost of electricity ($/MWh)[1]** | **J =** | |

1. The cost of electricity is the mean annual cost calculated using Rate L and the customer's bill for the previous year.

**Value of electricity savings ($) K = I x J =**

**Payback period (years), based solely on electricity savings H / K =**

**Calculation of financial assistance requested: Lowest of following amounts**

| | | |
|---|---|---|
| Reducing payback period to 3 years | **L = (H - 3 x K) =** | |
| Maximum of 75% of eligible project costs | **L = (H x 75%) =** | |
| Maximum of $150/MWh (15¢/kWh) saved over a full year | **L = (I x $150) =** | |
| Maximum of $350,000 per project | **L =** | $350,000 |
| | **Lowest of above amounts** | **M = (Lowest L)** |

**Financial assistance from other sources** (Identify sources and amounts.)

**Total contributions from other sources N =**

**Customer's contribution**

Customer's contribution to project **O = (H - M - N) = $**

Customer's contribution as percentage (minimum 25% of total project costs) **P = O / H = %**

## 10. Document checklist

The following documents **must** be submitted with this proposal.

### ■ Detailed list of eligible project costs

Breakdown of eligible costs, **recorded in the Excel file** *Grille détaillée des coûts*, available from **www.hydroquebec.qc.ca/majorcustomers/ee** (see courtesy translation, Cost Breakdown, in Appendix III of *ENERGY WISE Building Initiatives Program – Major Customers Participant's Guide*) configured as follows:

1. **Description and purchase costs of equipment**
2. **Description and purchase costs of measuring instruments**
3. **Description and costs of "before" measurements, if data not available from existing equipment**
4. **Description and costs of "after" measurements**
5. **Description and costs of outside engineering**
6. **Description and costs of installation and startup contracts**
7. **Costs of premium efficiency motors not built into machinery**
   - Description and costs of premium efficiency motors (acquired, subtracted from cost of motors that meet the efficiency standards of the Energy Efficiency Regulations, November 1997)
8. **In-house labor costs by teade**

### ■ Measurement data already available, along with assumptions, as necessary

### ■ Plan for measuring "before" and "after" electricity consumption

### ■ Technical specifications of equipment





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