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GREFFE

02 NOV 2004

RÉGIE DE L'ÉNERGIE
MONTREAL

Montréal, 1 novembre 2004

PAR COURRIEL ET PAR MESSAGER

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OBJET : R-3541-2004- *Demande du Distributeur relative à l'établissement des tarifs
d'électricité pour l'année tarifaire 2005-2006.*

Chère consoeur,

Vous trouverez ci-joint les réponses d'Option consommateurs à la demande de renseignement no.1 de la Régie du 14 octobre 2004.

Veuillez agréer, chère consoeur, l'expression de nos meilleurs sentiments.

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Réponses à la demande de renseignement no. 1 de la Régie de l'énergie adressée à Option consommateurs Dossier R-3541-2004

1. **Référence :** Evidence of William Harper, pages 16-17

Préambule :

« As can be seen from Table 5, there is a significant difference (65.4% vs. 36.4%) in the load factors associated with the first and second blocks as proposed by HQD. »

Demande :

1.1 Veuillez présenter les calculs établissant les facteurs d'utilisation à 65,4 % et à 36,4 %.

Response:

Load factor is calculated as the ratio of a customer's (or customer group's) average energy use (per hour) relative to its maximum demand.

For Table #5, the Load Factors were determined as follows:

- For the First Block:

Average Hourly Use = 8,536 kWh / 8,760 hours (in a year) = 0.974 average kW use

Maximum Demand = 1.49 kW (as per Table)

Load Factor = 0.974/1.49 = 0.6540 or 65.40%

- For the Second Block:

Average Hourly Use = 7,392 kWh / 8,760 hours (in a year) = 0.844 average kW use

Maximum Demand = 2.32 kW (as per Table)

Load Factor = 0.844/2.32 = 0.3637 or 36.37%

- For the Total:

Average Hourly Use = 15,928 kWh / 8,760 hours (in a year) = 1.8183 average kW use

Maximum Demand = 3.81 kW (as per Table)

Load Factor = 1.8183/3.81 = 0.4772 or 47.72%

2. **Référence :** Evidence of William Harper, pages 29-30 et tableau 9

Préambule :

« HQD claims that there is no basis for the selection of a third energy block. However, the load profile data presented in Table 9 above suggests that consumption profile of customers is not constant for all usage in excess of 30 kWh/day – as demonstrated by the change in load factor for usage between 30 and 60 kWh/day as opposed to usage over 60 kWh/day. »

Demande :

2.1 Veuillez présenter les calculs établissant les facteurs d'utilisation du tableau 9.

Response:

For the definition of load factor please see the response to Question 1.1.

For Table #9, the Load Factors were determined as follows:

- For the First Block:

Average Hourly Use = 8,536 kWh / 8,760 hours (in a year) = 0.974 average kW use

Maximum Demand = 1.49 kW (as per Table)

Load Factor = 0.974/1.49 = 0.6540 or 65.4%

- For the Second Block:

Average Hourly Use = 3,662 kWh / 8,760 hours (in a year) = 0.4180 average kW use

Maximum Demand = 0.94 kW (as per Table)

Load Factor = 0.4180/0.94 = 0.4447 or 44.5%

- For the Third Block:

Average Hourly Use = 3,730 kWh / 8,760 hours (in a year) = 0.4258 average kW use

Maximum Demand = 1.38 kW (as per Table)

Load Factor = 0.4258/1.38 = 0.3086 or 30.9%

- For the Total:

Average Hourly Use = 15,928 kWh / 8,760 hours (in a year) = 1.8183 average kW use

Maximum Demand = 3.81 kW (as per Table)

Load Factor = 0.4772 or 47.7%