

**PROPOSAL FOR ELECTRICITY RATES AND THEIR
TERMS AND CONDITIONS**

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1. REQUEST SUMMARY

1 The Hydro-Quebec Distribution (the “Distributor”) current rates are described in the
2 document “Distributor’s Rates, Terms and Conditions, Effective April 1, 2005” (the
3 “Rates”), approved on March 23, 2005 ¹ by the Régie de l’énergie (the “Régie”) in its
4 Decision D-2005-48. That Decision was followed by Decision D-2005-342.

5 In the present request we apply for year 2006-2007 rates, as well as resulting
6 modifications in the rates description.

1.1. Cross-subsidization

7 The 4th paragraph of Section 52.1 of the Régie Act (the “Act”) stipulates that The
8 Régie cannot make modification to the customer rates that would result in cross-
9 subsidization between different customer categories. As it was directed by the
10 Régie in its Decisions D-2003-232 and D-2004-47, and as it will again appear in
11 Section 4.2, the uniform rates increased as proposed by the Distributor will not
12 create cross-subsidization between the customer categories.

1.2. Rate Structure Proposal

13 In its Decision D-2005-34, the Régie described the principle, according to which the
14 Distributor’s electricity rates structure has to reflect the costs of service. The Régie
15 requested that for the future rate reviews the Distributor present an update of the
16 adequacy of rate structure and costs and examine which rate components cause
17 the rate increase. There is no major element that would justify the adjustment of
18 2006-2007 Distributor’s orientations concerning the rate structure compared to
19 2005-2006 rates.

¹ Decision on to the approval of the Distributor’s transmission rates effective April 1, 2005.

1 That is why the Distributor adheres to the already accepted adjustments by the
2 Régie in its Decision D-2005-34, while amending the justification of its proposal and
3 guidance in Section 3.

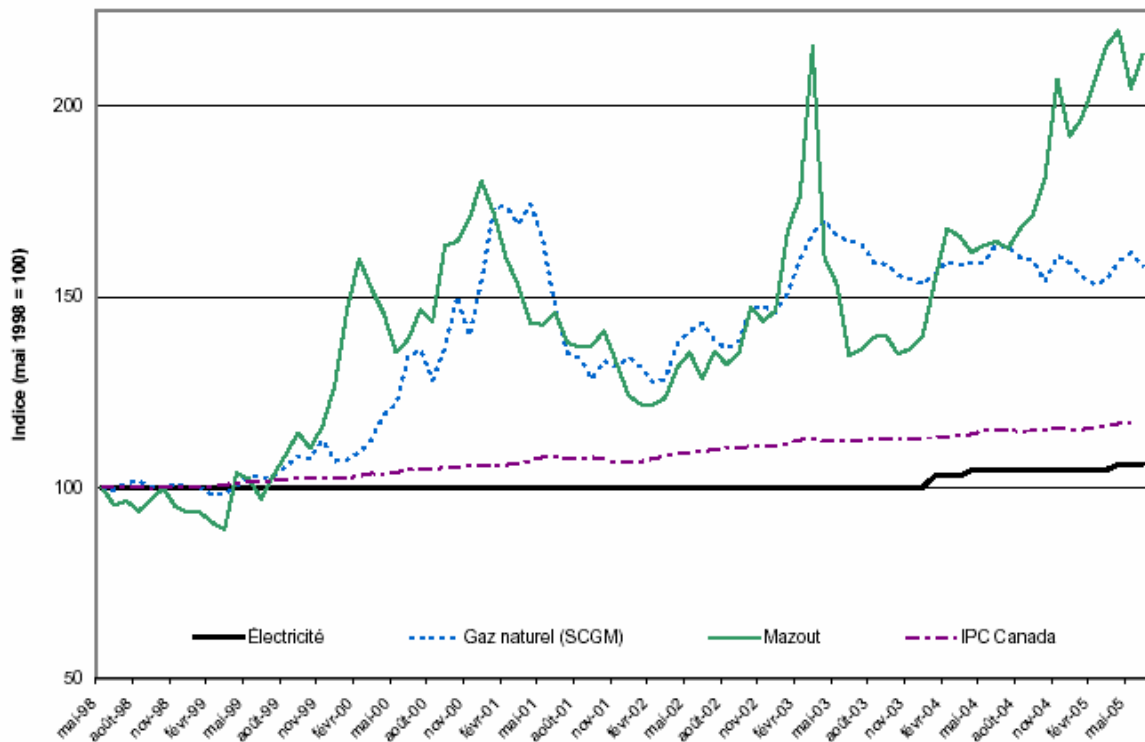
1.3. Electricity Rate Development, Inflation and Fuel Prices

4 After more than a five year rate freeze, the Régie authorized the Distributor to raise
5 its rates in 2004. Since the consumer price index increased by 17 % between 1998
6 and 2005, while the Distributor's rates rose by only 5.7 % during the same period,
7 rate payers in Quebec pay, in constant dollars, less for electricity today than seven
8 years ago.

9 Moreover, as Figure 1 shows, the Distributor's customers benefited from electricity
10 price stability during the period when fuel oil and natural gas prices experienced
11 growth and a great volatility. Thus, between May 1, 1998 and on April 1, 2005, the
12 energy bill for an average house of 158 m², heated by electricity, grew by 6 %
13 whereas the bill for the same house, heated by fuel oil or natural gas, increased
14 respectively by 120 % and 59 %.

² Request for electricity rates for the rate year 2005-2006.

FIGURE 1
CROISSANCE DES COÛTS D'ÉNERGIE POUR LE CHAUFFAGE DES LOCAUX
MAISON UNIFAMILIALE MOYENNE À MONTRÉAL



2. RATE STRATEGY

2.1 Rate principles

- 1 The Distributor can recoup the revenue authorized by the Régie via an infinite
- 2 amount of rate structures going from flat rates for all customers (authorized
- 3 revenues /sales in kWh) to various special rates, each comprising some fixed and
- 4 variable components. Choices among number of rates, type of structure and level
- 5 of each component should be done according to the principles, which follow.

2.1.1 To reflect the Cost of Service Structure

1 The rates constitute a signal, which makes it possible for the customer to be
2 informed of the costs incurred. The design of various rates reflects the cost of
3 service by their fixed and variable components, which translates into different cost
4 of service characteristics for various rate categories. It also allows to similarly treat
5 the customers who show similar consumption characteristics.

6 From a rate point of view, the cost of services is expressed by using capacity,
7 energy and subscription charge.

8 Invoicing for capacity usually allows to recover the costs of equipment required to
9 meet the demand during the on peak periods.

10 Even in the absence of any consumption in kWh, this equipment and services must
11 be maintained and consequently invoiced for. Thus, the cost of the transmission
12 and distribution network associated with each rate category is fixed since it relates
13 to its availability during peak hours. Hence, it should be recovered via the capacity
14 rate component.

15 Certain expenses depend on the quantity of delivered energy. They represent
16 variable charges, which are normally recovered in the energy component of the
17 rates. It is based on the cost of supply for each rate category, which is presented in
18 ¢/kWh. It should be noted however that even though this expense is included in the
19 energy rate component, it nevertheless reflects the use of peak power for each rate
20 category since the allocation of this cost component is in particular done on the
21 basis of the load factor.

22 Other expenses are related, most of all, to the number of served customers
23 regardless of their consumption level. These expenses, such as cost of metering,
24 switching and invoicing, are usually recovered by a subscription charge whenever
25 they are significant.

2.1.2 To give a Price Signal promoting the Energy Effectiveness

1 To guarantee the optimal use of resources, the economic theory suggests that the
2 price of goods is set at marginal cost³, i.e. the cost associated with the production
3 of an additional unit of this product. However, in Quebec, like elsewhere, the
4 average costs are used to establish the basic block of electricity rates.

5 In the absence of a mechanism for setting rates at marginal cost, it is however
6 possible to introduce good economic and energy choices in the rate structure
7 signal, which reflects marginal costs. It is not to use marginal cost to set the rates
8 but rather to use the marginal cost and its intrinsic structure (the costs of energy
9 and capacity) as an indicator of the changes to be brought to the rate structure over
10 a long-term horizon.

11 The price signal of long-term marginal cost will have a larger effect over customer
12 behavior when applied to the most flexible components of the structure⁴. Thus, rate
13 can encourage the consumers to make a rational use of electricity by being
14 informed of their behavior impact over the Distributor's costs.

15 Marginal costs used in the present rate case are the same ones as those presented
16 in case R-3552-2004, Phase II of application for approval of 2005 Budget of the
17 Energy Efficiency Global Plan⁵. Taking into account that there were no significant
18 variations in the Distributor's resource portfolio since Fall 2004 and considering that
19 the marginal costs used in this document are indicators of a long-term trend

³In general, in electric industry, long-term marginal costs are used for design of the basic rates whereas short-term marginal costs are mostly used for the design of optional rates for managing short-term demand.

⁴ Components, which customers perceive as price signal.

⁵Hqd-3, Document 1 of case R-3552-2004.

1 rather than a particular target, these costs remain valid with regard to the price
2 signal.

2.1.3. Rate Simplicity, Equity, Continuity and Stability

3 A simplicity principle must generally guide the rate design. Simplicity means, on the
4 one hand, to avoid rate multiplier or customized rates and, on the other hand, to
5 develop rates that are easy to understand and apply. It is also for reasons of
6 simplicity that the Distributor does not charge the residential customers for capacity
7 component with a demand of less than 50 kW and the small customers (rate G)
8 with a demand of less than 45 kW⁶.

9 Rate simplicity must observe the principle of equity between the rate categories or
10 the a rate category customers. Indeed, although the same rate category customers
11 have many similarities in their consumption profile, their location on distribution
12 network, along with the type of services used, they nevertheless represent a great
13 diversity of costs. Since all customers of the same rate category are invoiced
14 according to the same rate principle, some of them will pay more than their costs
15 whereas others pay less. Equity within a rate category is guaranteed when, for the
16 sub-groups of customers who form the same rate category, the difference between
17 costs and benefits is reasonable.

18 Taking into account this cross-subsidization, the modification of a structure,
19 although realized with constant revenue, will theoretically imply that certain
20 customers will have their bill increased while others will see their bill decreased. In
21 practical terms, since the adjustments of structure are carried out within the
22 framework

⁶On April 1, 2006, the minimum limit of the capacity charge for rate G will be increased to 50 kW (see Section 3).

1 of rate increase requests, the "increase" associated with the modification of
2 structure will be added to the regular rate increase, thus certain customers will see
3 higher increase than the average. This cumulative effect must be taken into account
4 to determine the period needed to reach the desired structure.

5 Continuity between rates makes it possible to establish equity between the rate
6 categories. By respecting this principle, the rate structure encourages the
7 customers to naturally choose the rate, which corresponds to their level of
8 consumption and their maximum capacity demand utilization period.

9 The structure, as described above, should ensure the rate stability. The
10 adjustments to the rate structure should be made in a progressive way and, in
11 certain circumstances, such as the fine management of the peak, it is preferable to
12 rely on rate options rather than disrupting the basic rate in order to respect the
13 consumers right of choice and to account for their ability to modify load profiles.

2.2 Variation between required and expected Revenues for 2006

14 Taking into account the current rates and required revenue attributable to the
15 application of rates on April 1 rather than January 1, 2006, the Distributor expects a
16 loss of earnings of \$463 M ⁷ for year 2006.

2.3 Proposed Rate increase

17 The Distributor's loss of earnings would make it possible to justify a request for rate
18 increase of 5,3 % for the rate year 2006-2007. In order to reduce the impact from
19 this increase on its customers, the Distributor rather requests of the Régie to
20 approve a total rate increase of 3 % effective April 1, 2006⁸, according to prices

⁷Including the regulatory provision of 31 M\$ in 2005.

⁸ See Hqd-4, Document 5.

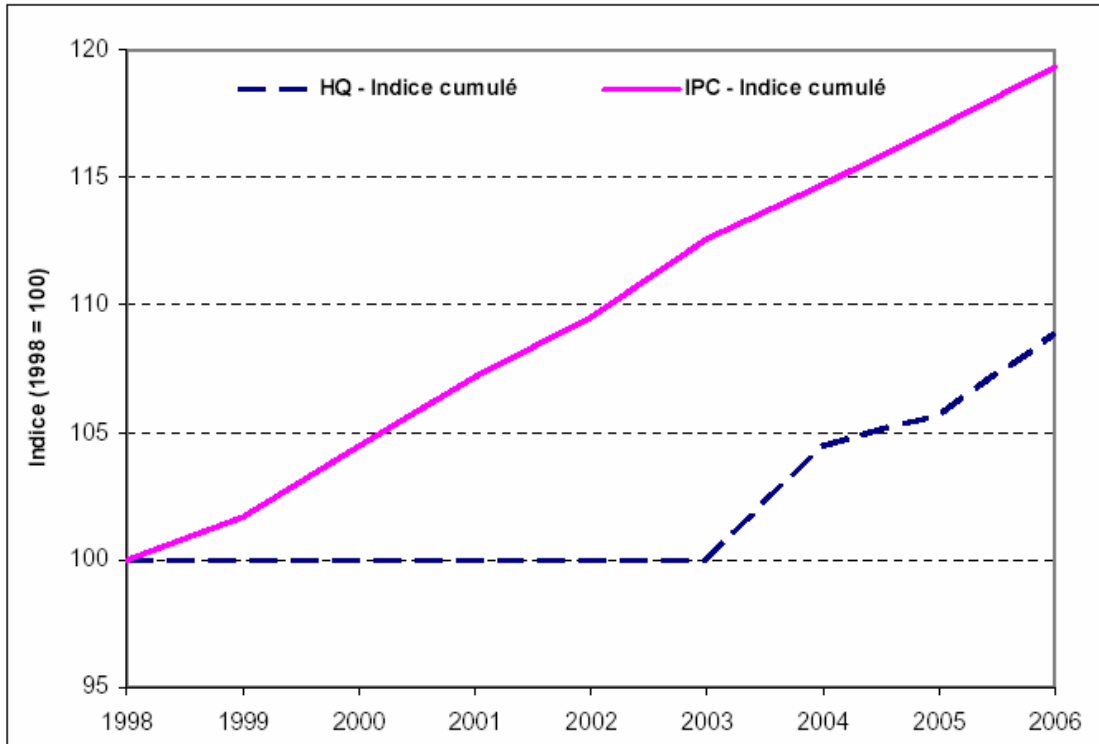
1 proposed in HQD-13, Document 3 of Evidence. This increase will make it possible
2 to generate additional revenue of \$260 M including \$180 M from April 1 to
3 December 31, 2006 and \$79 M from the regulatory provision (see HQD-1,
4 Document 1).

5 This rate increase equally applies to fees for managing consumption and
6 emergency energy which prices were, historically and equity wise, adjusted
7 according to the increase in flat rates (the case of rate GD) or, for the more recent
8 rates, according to an agreement with the Producer (rate LD). The prices of certain
9 rate options, in particular rate LP and the new option of additional electricity (see
10 Section 6), however will be set according to the market price.

11 Figure 2 shows the evolution, between 1998 and 2006, of Consumer Price Index
12 and the Distributor rates, including the proposed increase. The expected rate of
13 inflation for 2006 is 2,0 %⁹, which means that with the requested increase of 3 %,
14 the customers will experience a real increase of 1 % on average. The real profits
15 accumulated by the customers since 1998 thus are substantially maintained.

⁹ Forecasts of May 2005. Source: Direction of Financial Markets – Treasury of the Company.

FIGURE 2
ÉVOLUTION DES TARIFS D'ÉLECTRICITÉ ET DES PRIX À LA CONSOMMATION



1

3. PROPOSED STRUCTURE**3.1 Residential Rates*****3.1.1 Rates and Customers Description******3.1.1.1 D and DM Rates***

1 The D and DM Rates apply to subscription for which electricity is of residential use
2 i.e. for the exclusive purpose of residential housing, except for the cases presented
3 in Rates Description. The electricity delivered to farms and ranches is also supplied
4 under rate D.

5 The D Rate applies to housing, where electricity is metered separately. Thus, for
6 residential buildings with multiple residences, the D rate is applied when the
7 consumption of each household is metered separately.

8 The structure of the D rate, presented in Table 1, consists of basic charge (40.64
9 ¢/day) and two increasing prices for the load usage, that is a lower price for the first
10 30 kWh per day (5.02 ¢/kWh), and the exceeding consumption invoiced at a higher
11 price (6.33 ¢/kWh). During the winter season, if the maximum load exceeds 50 kW,
12 the surplus is invoiced at the monthly charge of 3.96 \$/kW.

Table 1
Rate D effective 1st April, 2005

Basic charge	40.64 ¢/ day
First 30 kWh/ day	5.02 ¢/kWh
The remainder of energy	6.33 ¢/kWh
Winter capacity charge (excess of 50 kW)	3.96 \$/kW

1 The DM Rate is similar to the D Rate but adapted to collective metering (see Table
2 2). It applies to a subscription under which the delivered electricity is intended for
3 an apartment building of collective living or a community residence consisting of
4 rooms using collective metering.

5 The characteristic of the DM Rate is the application of a multiplier in relation with
6 the number of residences, calculation of fixed charge, and the threshold of the first
7 level of consumption.

8 The multiplier corresponds:

- 9 ▪ for an apartment building of collective living or a community residence
10 consisting of rooms: to the number of apartments
- 11 ▪ for a community residence consisting of rooms or apartments: to the
12 number of rooms or apartments in the community residence plus
 - 13 ▪ 1 for the first 9 rooms (apartments) or less, plus
 - 14 ▪ 1 for each additional room or apartment.

15 The charge for the first and the second group is 5.02 ¢ / kWh and 6.33 ¢ / kWh
16 respectively. During winter, when the maximum power consumption exceeds 50
17 kW, the surplus is invoiced at the monthly price of 0.99 \$/kW.

Table 2
Rate DM effective 1st April 2005

Basic charge	40.64 ¢/ day X multiplier
First 30 kWh/ day x multiplier	5.02 ¢/kWh
The remainder of energy	6.33 ¢/kWh
Winter power premium (excess of 50 kW)	0.99 \$/kW

1 As one can see from Table 3, a total of 2 747 381 subscriptions of D and DM rates
 2 were used for analysis purposes for the period from May 1, 2004 until April 30,
 3 2005. Consumption and revenues associated with these subscriptions amount to 49
 4 TWh and \$3.2 billion as per the April 1, 2005 rates. Out of all the subscriptions,
 5 only 5600 were billed a winter power premium.

6 Two thirds of the residential customers had an all electricity heating (AEH) system;
 7 the other third uses a different heating system (not AEH)¹⁰, for example with natural
 8 gas, fuel oil, wood or mixed. More than 43,000 subscribed farms involved into cattle
 9 breeding and agriculture are eligible for D rate.

¹⁰ DT Rate residential customers are discussed in the following section.

Table 3
Description of D and DM Residential Customers Rates
(2004-2005)

	Subscribers	Yearly consumption (GWh)	Total revenue (M\$)
Residential Customers			
<i>All electricity heating</i>	1 830 930	36 580	2 369
Without invoiced capacity	1 827 173	34 951	2 261
With invoiced capacity	3 757	1 628	108
<i>Other types of heating</i>	873 088	10 465	712
Without invoiced capacity	872 301	10 078	686
With invoiced capacity	787	387	26
<i>Total residential customers</i>	2 704 018	47 044	3 080
Agricultural Customers			
Without invoiced capacity	42 309	1 399	90
With invoiced capacity	1 054	259	17
<i>Total agricultural customers</i>	43 363	1 658	107
Total Residential Customers			
Without invoiced power	2 741 783	46 428	3 037
With invoiced power	5 598	2 274	151
<i>Total residential customers</i>	2 747 381	48 702	3 187

1 Table 4 presents the monthly invoices of the customers of D Rate for the period
2 between May 1, 2004 and April 30, 2005. During this period, the average yearly
3 consumption of D rate was 17 050 kWh and the average monthly invoice amounted
4 to \$93. With a consumption of 26 500 kWh per year, the average one-family
5 electricity heated house had a monthly invoice of \$140.

Table 4

Average Monthly Invoices for Rate D Customers

	Average annual consumption ¹ (kWh)	Average monthly invoice (\$)
All customers of rate D	17 050	93
Heated with electricity	19 300	104
Not heated with electricity	12 400	70
Average one-family house heated with electricity (158 m ²)	26 500	140

Note 1: rounded consumption amount.

3.1.1.2 DT Rate

- 1 The DT Rate is an optional residential rate, which applies to any acceptable
- 2 customer invoiced by D or DM rates that uses, mainly for dwelling, a Bi-energy
- 3 system.
- 4 In addition to the basic charge of 40.64¢ per day, the DT rate includes two charges
- 5 for energy according to the outside temperature: 3.67 ¢ / kWh when the
- 6 temperature is equal or higher than -12 ° C or -15 ° C, depending on the climatic
- 7 zones, and 16.46 ¢ / kWh when the temperature is below -12 ° C or -15 ° C (see
- 8 Table 5 for the price structure and Table 6 for the zones where the rate transfer
- 9 temperature is -15° C). In winter, when the maximum capacity exceeds 50 kW, the
- 10 surplus is invoiced at the monthly price of 0.99 \$/kW when metered collectively and
- 11 3,96 \$/kW in other cases.

Table 5

DT Rate effective as of April 1st, 2005

Basic Charge	40.64 ¢/ day
Charge for off-peak energy	3.67 ¢/kWh
Charge for on-peak energy	16.46 ¢/kWh
<i>Winter power premium over the surplus of 50 kW</i>	
Building with collective metering	0.99 \$/kW
Other cases	3.96 \$/kW

- 1 The price of off-peak energy is adjusted in order to maintain competitive advantage
- 2 relative to fuel oil. Currently, the customer may find it beneficial to use electricity
- 3 during the off-peak hours as long as the price of fuel oil is above 27.7 ¢ / liter.¹¹

Table 6

Zones where the DT Rate Transfer Temperature is -15° C

<p>Noroît (Rouyn-Noranda, Valley-d'Or, LG-2/Nemiscau) The north of Lanaudière area High Lanaudière High Mauricie St-Féréol-des Neiges on Saguenay river Saguenay North Coast Madeleine Island The Low St-Laurent and Gaspésie¹</p> <p>Note 1: Except municipalities bordering (direct access) river or to the Bay-des-Chaleurs, from St-Fabien to Cascapédia river.</p>
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- 4 The on-peak price also applies to the overall consumption. This price is set to
- 5 obtain neutrality between the DT and D Rates, for

¹¹ The average price for fuel oil was 60 ¢ / liter during the heating season of 2004-2005 (Source: The Régie).

1 an average one-family house and one year at normal temperature, when the
2 customer uses only electricity for heating. It is sufficiently dissuasive to encourage
3 customer to use an alternative source of energy for heating and to shift certain base
4 loads.

5 In order for customer to find it beneficial to consume on-peak electricity, the price of
6 fuel oil has to be higher than 1.24 \$/liter. For one year at normal temperature, the
7 DT rate may result in savings to customers of about 5% to 15 % compared to D
8 rate, depending on their consumption management efforts.

9 DT Rate gathers approximately 119 000 subscriptions, of which 103 126 were
10 retained for analysis during the May 1, 2004 and April 30, 2005 period. These
11 subscriptions generated sales of 2.2 TWh and revenue of \$114 M.

3.1.2 Framework of Analysis and proposed Structure

12 In its Decision D-2005-34, the Régie required the Distributor to present an
13 adequacy analysis for the rate structure and costs while proposing which rate
14 components the next rate increase should be included. This is in fact the regular
15 justification exercise of a rate structure that the Distributor hereafter presents. This
16 exercise includes the elements of the residential rate structure that already were the
17 subject of the Régie's decision: freezing of basic charge, increase in capacity
18 charge for the D and DM rates as well as introduction of a capacity charge for DT
19 rate. The Distributor proposes to the Régie to continue using these trends for the
20 rate year 2006-2007.

21 Beyond these elements, the Régie required, in the same decision, to specify the
22 rate modifications necessary to improve the price signal, and this, when the cost
23 allocation method will be better decided. Although the cost allocation method can
24 have an effect on the allocated cost size for each rate category, the Distributor

1 mentions that regarding the price signal associated with a rate structure, and
2 according to best practices in the matter of pricing, the focus must also shift
3 towards marginal costs.

3.1.2.1 Basic Charge

4 Basic charge, expressed in ¢/day, is the fixed component of residential rates (D,
5 DM, DT and DH). In its Evidence R-3541-2004, the Distributor demonstrated that
6 the block of basic charge covers expenses of the customer service and metering,
7 which were established at 35 ¢ / day. These costs are related, above all, to the
8 number of served customers and do not vary with energy consumption.

9 In its decision D-2005- 34, the Régie opted to freeze the basic charge for residential
10 rates. The Distributor requests that the Régie renew this rate freezing for the rate
11 year 2006-2007. This proposal initially shows, for the price signal, the fact that basic
12 charge is an inflexible part of the rate structure. This proposal is also justified by the
13 fact that the cost of customer service has historically been very stable and
14 established on a level similar to year 2006.

3.1.2.2 First Block Threshold

15 Conceptually, the firstblock covers the basic usage (lighting, electric household
16 appliances, water heater) whereas the second block covers the other uses, one of
17 which is heating. The threshold of 30 kWh per day translates correctly this
18 distinction. The average daily consumption of customers without all electricity
19 heating system is around 28 kWh per day on an annual basis.

3.1.2.3. Variation in the Energy Blocks

20 The prices of the two energy blocks are currently 5.02 ¢ / kWh for the first 30 kWh
21 per day and 6.33 ¢ / kWh for the remaining kWh.

1 So the current difference between the energy blocks is 26 %.

2 In rate application Evidence 2005-2 006¹², the Distributor demonstrated that, on the
3 basis of average costs differential¹³ between the basic usage and other uses, the
4 price difference between the first and the second D and DM rate blocks could be
5 set at 34 % minimum and 50 % maximum.

6 The Distributor justification of the difference between blocks of energy, such as it
7 appears in HQD-13, Document 1 of case R-3541-2004, always stays the same. The
8 Distributor adds however to its justification the marginal cost signal.

9 Indeed, as mentioned in Section 2.1.2, a price set according to the long-term
10 marginal cost ensures the optimal use of resources. The customer can then act
11 according to the price signal on the most flexible part of his/her consumption.

12 The price of the residential rates second block of energy and consequently the
13 difference between the two blocks of energy, is the most significant leverage
14 available to the Distributor to encourage the effective behavior of its residential
15 customers. Indeed, it is more difficult to decrease consumption for the basic usage
16 (consumption of the first block).

17 On the other hand, the second block of energy is a more flexible component of the
18 structure of D rate because it entails more possibilities for the customer to reduce
19 consumption beyond the basic usage. The more the price of the second block
20 increases, the more the customer will be inclined to reduce his/her consumption.

21 The Distributor does not suppose that the residential customer knows specifically
22 the structure of D rate. On the other hand, the amount of customer's electricity bill
23 depends on this structure.

¹²R-3541-2004, Hqd-1, Document 2, pages 14 -17.

¹³Or required revenue.

1 When, under the influence of a rate increase, the customer sees higher electricity
2 bill, he/she will normally seek to consider actions that will contribute to his/her
3 consumption reduction¹⁴. As mentioned earlier, when a price signal and energy
4 choices are at stake, the price of the first block has less impact on consumption
5 than the price of the second block. Since the revenues are constant, the price of
6 the first block and the price of the second block are dependent and simultaneously
7 determined, the rate exercise thus consists in determining the right price for each
8 block, price which will support the smart energy choices while taking into account
9 other rate principles.

10 Table 7 presents marginal costs associated with D rate. Thus, to encourage energy
11 efficiency and to align the structure of residential rate on a long-term horizon, the
12 price of the second block could reflect the marginal cost of heating. This cost is
13 estimated at 8.56 ¢ / kWh ¹⁵(constant annuity over 10 years). By 2014, the marginal
14 cost of heating increases to 9.60 ¢ / kWh. These costs are much higher than the
15 current energy blocks prices.

¹⁴For example, to choose more efficient appliances and to replace windows.

¹⁵R-3552-2004, Hqd-3, Document 1, pp. 39 - 43.

Table 7
Costs avoided by rate D users
(R-3552-2004)

(in ¢/ kWh)											
Constant annuity 1 (10 years)		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Water Heating	8,06	8,44	7,27	7,42	7,56	7,71	7,87	8,52	8,69	8,87	9,04
Supply and Transmission	7,50	7,92	6,74	6,88	7,01	7,15	7,30	7,94	8,10	8,26	8,42
Transmission - Local load	0,31	0,28	0,29	0,29	0,30	0,31	0,31	0,32	0,32	0,33	0,34
Distribution	0,26	0,24	0,24	0,25	0,25	0,26	0,26	0,27	0,27	0,28	0,26
Space Heating	8,56	8,90	7,74	7,90	8,06	8,22	8,38	9,04	9,23	9,41	9,60
Supply and Transmission	7,36	7,79	6,61	6,75	6,88	7,02	7,16	7,80	7,95	8,11	8,28
Transmission - Local load	0,65	0,60	0,62	0,63	0,64	0,65	0,67	0,68	0,69	0,71	0,72
Distribution	0,55	0,51	0,51	0,52	0,54	0,55	0,56	0,57	0,58	0,59	0,60
All uses	8,19	8,56	7,40	7,54	7,70	7,85	8,01	8,66	8,83	9,01	9,19
Supply and Transmission	7,42	7,84	6,66	6,80	6,93	7,07	7,21	7,85	8,01	8,19	8,33
Transmission - Local load	0,42	0,39	0,40	0,41	0,41	0,42	0,43	0,44	0,45	0,46	0,47
Distribution	0,35	0,33	0,33	0,34	0,35	0,35	0,36	0,37	0,38	0,38	0,39
¹ the nominal actualization rate is 6,75%											

1 Without seeking to reach these prices level, the Distributor proposes to better
 2 reflect them. Since the increase of the first block does not or only slightly modifies
 3 the behavior of residential customers regarding the energy choices, the Distributor
 4 proposes rather to make a higher increase over the second block.

5 The cost of heating with an alternative source of energy can also be used as a
 6 signal to evaluate the possible trend for the second block price. As an indication,
 7 the cost in kWh-equivalent of heating with natural gas is 6.83 ¢ / kWh¹⁶. With the
 8 addition of operation and maintenance costs of natural gas system compared to
 9 electric, the price in kWh-equivalent became 10.45 ¢ / kWh.

10 Taking into account the cost difference between the basic usage and other uses
 11 (about 34 to 50 %), the price of fuels, especially with the marginal cost signal, there
 12 is some leeway to increase D rate second block more so than the first one. The
 13 Distributor thus proposes for year 2006 to increase the price for the second block

¹⁶ Considering 80 % efficient natural gas heating system.

1 twice as much as the price for the first block in order to improve the price signal
2 while limiting the rate impact on the customers.

3 This approach also applies to DT rate with regard to the charge for power
4 consumption when the temperature is equal or higher than -12 °C or -15 °C.
5 Indeed, this charge can be increased more to give a better price signal for all uses,
6 while preserving the annual savings realized by the customer and without
7 attenuating its interest to use fuel during the cold weather.

3.1.2.4 Capacity Charge

8 With regard to the capacity charge, the Distributor proposes to continue, for
9 residential rates, adjustments introduced in 2005-2006 by increasing the charge to
10 0.75 \$/kW for rates with individual metering and 0.18 \$/kW for those with collective
11 metering.

3.1.2.5 Rate Structure

12 The structure proposed for D rate, effective on April 1, 2006, including a total
13 increase of 3 %, is shown in the table below. By taking into account the basic
14 charge freeze and considering the factors described in Section 3.1 2.3, the charge
15 for the second block is increased by 4.4 %, that is to say twice as much as the
16 charge for the first block.

Table 8

Rate Increase and Selected Scenario – Rate D

Basic Charge	40.64 ¢/day
The first 30 kWh/day	5.13 ¢/kWh
The remainder of energy	6.61 ¢/kWh
Winter Power Premium (excess of 50 kW)	4.71 \$/kW

3.2 Flat Rates

3.2.1 Description of Rates and Customers

3.2.1.1 L Rate

1 The L rate is developed for a large power consumption customers of at least 5 000
 2 kW or more. It is set at low voltage. Thus, the supply credit for medium or high
 3 voltage is granted so as to not reflect on customers supplied at higher voltage, the
 4 higher costs of the networks of low voltage.

Table 9

L rate effective as of 1st April 2005

Capacity Charge	11.52 \$/kW
Energy Charge	2.56 ¢/kWh
Premium for excess (winter season)	
daily	6.75 \$/kW
monthly limit	20.25 \$/kW

5 The data on 230 subscriptions from May 1, 2004 to April 30, 2005, were retained for
 6 the L rate analysis. The annual consumption adds up to 44 366 GWh with an
 7 annual revenue of \$1 850 M. Table 10 presents a summary description of L rate
 8 customers.

Table 10

Description of rate L customers –2004-2005

	Subscriptions	Annual Consumption (GWh)(M\$)	Total Revenues
Commercial	36	1 844	87
Industrial	152	36 969	1 505
Institutional	26	1 435	69
Municipal Systems	16	4 118	188
Total	230	44 366	1 850

3.2.1.2 M Rate

- 1 The M rate is developed for medium power consumption customers of at least 100
- 2 kW but less than 5 000 kW. Just like the L rate, it is set at low voltage, so that
- 3 customers supplied at a higher voltage are entitled to a credit for supply at medium
- 4 or high voltage.

Table 11

Rate M effective 1st April 2005

Capacity Charge	12,60 \$/kW
Energy Charge	
for the first 210 000 kWh	3.94 ¢/kWh
for the remainder of energy	2.56 ¢/kWh
Premium for excess (winter season)	13.50 \$/kW

- 5 The data on 12 098 subscriptions from May 1, 2004 to April 30, 2005, were retained
- 6 for the M rate analysis.

1 A M rate customer consumes on average 2 GWh, but nearly 75 % of these
 2 customers never consume the second block of energy. More than a half of M rate
 3 customers are commercial (57 %); however, the M rate includes also industrial
 4 customers (25 %) and institutional (18 %) in a rather large proportion. The
 5 residential and agricultural customers are not noticeably part of this rate¹⁷.

6 Table 12 shows the subscribers distribution outline, consumption and revenues at
 7 the M rate, by activity sector for the period from May 1, 2004 to April 30, 2005.

Table 12

Description of M Rate Customers ¹ – 2004-2005

	Subscriptions	Yearly consumption (GWh)	Total revenues (M\$)
Agricultural	32	36	3
Commercial	6 845	11 751	762
Industrial	2 992	9 203	583
Service	2 198	3 909	264
Residential	31	70	4
Total	12 098	24 969	1 615

Note 1: Including 22 short duration subscriptions to M rate, consuming 10 GWh and generating \$0.8 M of revenues.

3.2.1.3 G Rate

8 The G rate is developed for small power consumption customers of less than 100
 9 kW. Just like the L and M rates, it is set at low voltage, so that the customers
 10 supplied at a higher voltage are entitled to a credit for supply at medium or high
 11 voltage.

¹⁷Mainly, residential buildings and agricultural customers are not eligible for D rate.

Table 13

Rate G effective 1st April 2005

Basic Charge	12.33 \$/ month
Premium for power exceeding 45 kW	14.0 \$/kW
Energy Charge	
for the first 13 200 kWh	7.86 ¢/kWh
for the remainder of energy	3.96 ¢/kWh

1 The G rate collects nearly 250 000 subscriptions, but the reference data for year
 2 2004-2005 only gather 221 093 of them, because of the relative instability of these
 3 subscriptions¹⁸. Such subscriptions represent a total revenue of \$ 909M and a
 4 consumption of 11 214 GWh. This rate is essentially developed for commercial
 5 customers (89 % of subscriptions), but also institutional (8 %) and industrial (3 %).
 6 The agricultural and residential customers are marginally represented. Average
 7 consumption of rate G customers was approximately 51 MWh during the observed
 8 period.

9 The G rate structure allows for the division of customers into two groups with quite
 10 different characteristics: the customers who pay the capacity charge (with billable
 11 power exceeding 45 kW) and the customers who do not pay it. Table 14 shows, for
 12 the period from May 1, 2004 to April 30, 2005, the distribution of these
 13 subscriptions, consumption in kWh and revenues by type of customers; the table
 14 separately shows the data for customers who are billed for capacity.

¹⁸Indeed, most of them are small commercial buildings whose activity is more unstable and less foreseeable than that of companies under rates M and L or residential customers. It is common for this type of buildings to remain unoccupied for long periods after closing. If necessary, these subscriptions become inactive in the billing system or allowed for incomplete consumption profiles, which could not be retained for analysis.

Table 14

Description of G Rate Customers¹ –2004-2005

	Subscriptions		Yearly consumption (GWh)		Total revenues (M\$)	
	Total	With billable power	Total	With billable power	Total	With billable power
Agricultural	310	47	19	10	2	1
Commercial	195 754	17 533	9 564	3 849	773	300
Industrial	6 774	1 341	493	293	41	25
Institutional	17 787	3 230	1 108	652	91	54
Residential	468	59	30	14	2	1
Total	221 093	22 210	11 214	4 818	909	380
Note 1: Including 3 489 subscriptions to rate G of short duration, consuming 42 GWh and generating \$4 M of revenues.						

1 In spite of being few, the customers with billable power have a significant weight on
 2 the consumption level and revenue. Indeed, if these customers represent only 10 %
 3 of the total subscriptions, they generate 42 % of revenues, with consumption of 4
 4 818 GWh, that is to say 43 % of the total overall consumption. The average
 5 consumption of the billable capacity customer is 217 MWh for the observed period,
 6 which is nearly 7 times more than the average consumption of a customer who is
 7 not billed for capacity (that is 32 MWh).

3.2.2 Framework of Analysis and proposed Structure

3.2.2.1 Energy Charge

8 In order to comply with parameters set in case R-3541-2004 (in HQD-1, Document
 9 3) and approved by the Régie in its decision D-2005-34 (p. 149), the Distributor
 10 proposes to apply differentiated increases in a progressive manner for the energy
 11 on customer bills. This approach reflects the bill increase relatively to the growth of

1 cost of supply, distribution and transmission, thus leads to introducing a structure
2 modification, which increases the energy component. This allows the customer to
3 minimize the impact of the increased bill since this component constitutes the most
4 flexible part of the invoice. Such a choice reduces the fixed constraint, which is the
5 capacity component on customer's bill. In this matter, it is proposed to maintain the
6 G rate basic charge at its current level.

7 Thus, in waiting for approval of the supply cost allocation method, which will allow
8 for a target update, the Distributor proposes to undertake, as of April 1, 2006, a
9 gradual change of its general rate structure that will allow to increase the size of
10 energy component while minimizing the impact on the customers. This reform is
11 necessary in the setting where avoided costs range between 7 and 8 ¢ / kWh,
12 depending on the particular customer category, which is much higher than the price
13 of billed energy at the margin for the off-peak uses (energy charge for rate L and
14 charge for the second block of energy for G and M rates).

15 The scenario presented within the framework of a 3 % increase consists of
16 increasing the price of the energy by almost 4 % which results in capacity charge
17 increase of 1,6 % for L rate, 2,1 % for M rate and 2,1 % for G rate. Energy
18 component increases about twice as much as the capacity charge for the general
19 rates while maintaining the impact on customers at an acceptable level (as
20 illustrated in Tables 15, 16 and 17).

21 The proportion of the energy component will thus be increased by approximately
22 0,5 % for general rates. Hence, the energy component will pass from 52,7 % to
23 53,2 % for G rate, from 52,8 % to 53,2 % M rate and from 61,4 % to 61,9 % for L
24 rate.

Table 15

Scenarios of Rate Increase for G Rate

Components	Current rate	Uniform Raise	Variation	Scenario selected	Variation
Basic charge (\$/month)	12.33	12.70	3.0%	12.33	0.0%
Capacity (\$/kW)	14.40	14.83	3.0%	14.70	2.1%
1st block (¢/kWh)	7.86	8.10	3.0%	8.11	3.2%
2nd block (¢/kWh)	3.96	4.08	3.0%	4.09	3.3%
Energy proportion of rate	52.7%	52.7%		53.2%	0.5%
Impact on customers					
Average					3.0%
Maximal					3.3%
Minimal					0,0%

Note 1: The 0 % impact is linked to a customer who only pays for the Basic Subscription Charge.

Table 16

Scenarios of Rate Increase for M Rate

Components	Current rate	Uniform Raise	Variation	Scenario selected	Variation
Power (\$/kW)	12.60	1.,98	3.0%	12.87	2.1%
1st block (¢/kWh)	3.94	4.06	3.0%	4.09	3.8%
2nd block (¢/kWh)	2.56	2.64	3.0%	2.66	3.9%
Energy proportion of rate	52.8%	52.8%		53.2%	0.4%
Impact on customers					
Average					3.0%
Maximum					3.4%
Minimal					2.2%

Table 17

Scenarios of Rate Increase for L Rate

Components	Current rate	Uniform Raise	Variation	Scenario selected	Variation
Capacity (\$/kW)	11.52	11.87	3.0%	11.70	1.6%
Energy (¢/kWh)	2.56	2.64	3.0%	2.66	3.9%
Energy proportion of rate	61.4%	61.4%		61.9%	0.5%
Impact on customers					
Average					3.0%
Maximal					3.1%
Minimal					2.4%

3.2.2.2 Capacity Invoicing Threshold for G Rate

1 At the last rate application, the Régie accepted that the Distributor changes, within
 2 two years, the capacity invoicing threshold for G rate customers from 40 to 50 kW.

3 "Thus, in order to start this reform, The Régie requires the
 4 Distributor to make modifications to G rate, associated with
 5 the increase of the application threshold to capacity charge
 6 from 40 to 45 kW effective April 1, 2005.... As the next step,
 7 the Distributor will have to submit in the next rate application,
 8 a request to increase the capacity charge threshold for G rate
 9 from 45 to 50 kW effective 1st April, 2006, accompanied by an
 10 impact study. "

11 As illustrated in Table 18, the capacity invoicing threshold would increase to 50 kW
 12 on April 1, 2006. The threshold for the first block of energy would be increased to
 13 15 100 kWh in order to recover the distribution and transmission costs recovered
 14 before by the capacity charge while meeting the 42 % median load factor of this
 15 category.

Table 18

Invoicing Threshold Increase from 45 to 50 kW

	Rate on 1st April 2005	Rate at 50 kW
Basic Subscription Charge	12.33 \$/month	12.33 \$/month
Capacity Charge applicable to the excess over	14.40 \$/kW 45 kW	14.40 \$/kW 50 kW
Energy Charge		
Threshold for the 1st block	13 200 kWh	15 100 kWh
Charge for the 1 st block	7.86 ¢/kWh	7.86 ¢/kWh
Charge for the 2 nd block	3.96 ¢/kWh	3.96 ¢/kWh

1 The threshold change impact from 45 to 50 kW on G rate customers is presented in
 2 Table 19. The continuation of the invoiced capacity threshold reform is made at
 3 constant revenue for the Distributor. Although the impacts varies from one customer
 4 to another, for more than 90 % of them the impact of the invoicing threshold from 45
 5 to 50 kW ranges between -0,5% and 0,5 %.

Table 19

Impact of Changing Invoice Threshold from 45 to 50 kW

Levels of changes in annual invoice (%)	Distribution of the customers (%)
Less than -4 (minimum: -46,6)	1.1
From -4 to -0,5	3.0
From -0,5 to 0,5	91.0
From 0,5 to 4	4.2
4 and more (maximum: 6,6)	0.8
Total	100.0

6 Appendix A presents, for illustration and for certain types of consumers, the impact
 7 on monthly invoices of a 50 kW threshold.

4 RATE INCREASE IMPACTS

4.1 Expected Revenue by Rate Category

8 This rate proposal allows the Distributor’s revenue to increase by 260 M\$ in 2006
 9 including 180 M\$ from April 1 to December 31, 2006. Table 20 presents a
 10 breakdown of 180 M\$ additional revenue sources by rate category.¹⁹

¹⁹The details for each rate is shown in HQD-13, document 5.

Table 20

Revenue Generated by Rate Category in 2006 (M\$)¹

	Without increase on the 1 st April 2006	Including increase on the 1 st April 2006	Difference
Residential	3 828	3 903	75
Small power	1 201	1 227	26
Average power	1 697	1 735	37
Large power	1 924	1 967	43
<i>Total – Regular Rates</i>	8 651	8 831	180
Special Contracts	806	806	s/o
Rates for Consumption Management and Emergency Energy	18	18	0
<i>Total</i>	9 475	9 655²	180

Note 1 : The results may not match because of the round-offs.

Note 2 : Excluding the regulatory provision of 79 M\$ from January to March 2007.

4.2 Impact on Cross-subsidization

1 In its Decision D-2003-93, the Régie adopted the cross-subsidization index
 2 calculation method proposed by the Distributor (index HQD) within the framework of
 3 case R-3492-2002 - Phase 1. It was also determined that the cross-subsidization
 4 index for year 2002 will be used as a benchmark to evaluate the index change
 5 throughout the years. The residential category index was at 80.2 % at that time.

6 However, in Decision D-2005-34, the Régie asked the Distributor to propose a
 7 method that would allow to measure and follow up the effects of changes brought
 8 forth to the cost allocation method on evaluation of the cross-subsidization index
 9 and this, based on the budgetary data.

1 As Table 21 indicates, and as described in more detail in HQD-12, Document 3, the
2 year 2002 adjusted reference index for residential customers is now established at
3 81.0 %. For year 2006, before the uniform increase proposed by the Distributor, this
4 index is 81.7 %. As one can expect, after a uniform increase of 3 %, the index
5 remains stable at 81.6 %.

6 These results show a certain cross-subsidizing index inertia over time. However,
7 these results also illustrate, as the Distributor emphasized in case R-3492-2002-
8 Phase 1, that cross-subsidization is in fact a constantly changing concept, whose
9 reality changes according to the evolution of sales for each rate category, as it is
10 the case for associated costs.

11 The small observed variations may also be explained by the three months shift
12 between financial and rate years, shift which affects the level of revenues by
13 consumer category. For example, residential customers are characterized by a
14 seasonal consumption profile, with a significantly higher consumption in winter than
15 in summer; a rate increase after winter season will generate relatively less revenue
16 from these customers when evaluated for the financial year.

Table 21
Cross-Subsidization Indices

	2002 adjusted Cross-subsidization Index	2006 Required Revenue	2006 Expected revenue before Increase	HQD cross-subsidization Index before Increase	Expected Revenue after Increase on April 2006	HQD Cross-subsidization Index after Increase
	(%)	(M\$)	(M\$)	(%)	(M\$)	(%)
Residential	81.0	4 917	3 828	81.7	3 903	81.6
Small power	122.7	1 025	1 201	123.1	1 227	123.1
Average power	130.1	1 372	1 697	129.9	1 735	130.1
Large power	117.1	1 768	1 924	114.2	1 967	114.4
<i>Total – Regular Rates</i>	100.0	9 082	8 651	100.0	8 831	100.0
Special contracts	100.0	806	806	100.0	806	100.0
Consumption Management and Emergency Energy Rates	100.0	19	18	100.0	18	100.0
<i>Total</i>	100.0	9 907	9 475	100.0	9 655	100.0

Note 1: The results MAY not correspond because of the round-offs.

4.3 Customer Invoice

4.3.1 Residential rates

4.3.1.1 Impact Distribution

- 1 Table 22 presents the impact distribution across residential customers. Nearly 94
- 2 % of customers have a 1 to 4 % annual impact range. Moreover, about two thirds of
- 3 the customers, the small consumers, are having their invoice increased by less than
- 4 3 %.

Table 22

Annual Impact of a 3% Rate Increase - D Rate

Annual Invoice Change (%)	Customer Distribution (%)
Less than 1 (minimum: 0)	5.6
From 1 to 2	25.2
From 2 to 3	34.9
From 3 to 4	33.8
4 and more (maximum: 8,1)	0.5
Total	100.0

4.3.1.2 Impact on monthly Invoices

- 1 The table below shows the impact to the monthly invoice increase for a standard
- 2 consumption. The invoices increase by 1.6 % - 3.6 %.

Table 23

Monthly Impact on Standard Consumption - D Rate

Energy kWh	Invoice with current Rate \$	Invoice with proposed Rate \$	Variation \$	Variation %
625	43.57	44.25	0.68	1.6
750	49.84	50.67	0.83	1.7
1 000	63.70	64.97	1.27	2.0
2 000	127.00	131.07	4.07	3.2
3 000	190.30	197.17	6.87	3.6

4.3.1.3 Impact on an average Customer

- 3 Table 24 illustrates the effects of the increase on electricity invoice for residential
- 4 customers. The monthly average residential customer's electricity invoice increases
- 5 by \$ 2.76.

Table 24
Effect of Proposed Increase on Monthly Invoice for
Average Residential Customers (Rate D)

Average yearly consumption 2003-2004	Monthly invoice (\$)		Increase (\$)	Increase (%)
	Current rate	Proposed Rate, 1 st April 2006		
Average customer (17 050 kWh)	92.90	95.66	2.76	3.0
Average customers with electric heating (19 300 kWh)	104.13	107.33	3.20	3.1
Average customers with not electric heating (12 400 kWh)	70.00	71.88	1.88	2.7
Customer living in an average one- family house heated with electricity (26 500 kWh)	140.15	144.79	4.64	3.3

4.3.2 General Rates

4.3.2.1 Impact Distribution

- 1 It is necessary to point out that the increase affects mostly the energy component,
- 2 which is the most elastic part of the invoice. This makes it possible for the
- 3 customer to minimize the impact of the increase to his invoice. The choice to apply
- 4 the most significant increase to the energy component also allows for reduction of
- 5 the constraint that represents the fixed part in customer invoice.

L Rate

1 The rate increase impact on rate L customers is presented in Table 25. The
 2 increase is between 2,4% and 3,1 % and 91 % of the customers have a 3 % or less
 3 increase.

**Table 25
 Proposed Increase Annual Impact – L Rate**

Annual Invoice Change (%)	Customer Distribution (%)
2.9 and less (minimum: 2.4)	66.5
3.0	24.4
3.1	9.1
Total	100.0

M Rate

4 Table 26 presents the impact of the increase on M rate customers. The increase of
 5 invoice ranges between 2.2 and 3.4 %; 81 % of the customers have an increase
 6 between 2.9 % and 3.1 %.

**Table 26
 Annual Impact of Proposed Increase –M Rate**

Annual Invoice Change (%)	Customer Distribution (%)
2.8 and less (minimum: 2.2)	8.1
2.9	18.9
3.0	31.4
3.1	31.0
3.2 and more (maximum: 3.4)	10.6
Total	100.0

G Rate

- 1 Table 27 presents the impact of the proposed increase on G rate customers,
- 2 including the impact of the change to the invoicing threshold for capacity from 45 to
- 3 50 kW, which explains the great dispersion of impact. Nearly 70 % of customers
- 4 have their bills rise by 2% - 3 %.

Table 27
Annual Impact of Proposed Increase –G Rate
(Including the Change of Invoicing Threshold for Capacity)

Annual Invoice Change (%)	Customer Distribution (%)
Less than 2 (minimum: -45.2)	16.6
From 2.0 to 2.8	32.2
From 2.9 to 3.0	36.8
From 3.1 to 4	10.1
More than 4 (maximum: 9.9)	4.3
Total	100.0

4.3.2.2 Impact on monthly Invoices

L Rate

- 1 Table 28 presents the invoice increase after application of the proposed increase
- 2 for rate L standard consumers. The invoice increase for this rate ranges between
- 3 2.8% and 3.1%.

**Table 28
Monthly Impact on Standard Consumption – Rate L**

Capacity	Energy	Invoice at the	Invoice at the	Variation	Variation
kW	kWh	current rate	proposed rate	\$	%
		\$	\$		
5 000	2 340 000	112 611	115 755	3 144	2.8%
5 000	3 060 000	131 043	134 907	3 864	3.0%
10 000	5 760 000	238 380	245 478	7 098	3.0%
30 000	17 520 000	721 284	742 818	21 534	3.0%
50 000	23 400 000	1 053 660	1 083 750	30 090	2.9%
50 000	30 600 000	1 237 980	1 275 270	37 290	3.0%
50 000	32 750 000	1 293 020	1 332 460	39 440	3.1%

M Rate

- 4 Table 29 presents the variations of monthly invoices for standard consumption of M
- 5 rate following the application of the proposed rate increase. According to selected
- 6 consumption assumptions, the invoice variation ranges between 2.95 and 3.1 %.

**Table 29
Monthly Impact on Standard Consumption –M Rate**

Capacity	Energy	Invoice at the current rate	Invoice at the proposed rate	Variation	Variation
kW	kWh	\$	\$	\$	%
100	25 000	2 245	2 309	64	2.9%
500	200 000	14 180	14 615	435	3.1%
1 000	400 000	25 738	26 513	775	3.0%
2 500	1 170 000	61 903	63 806	1 902	3.1%

G Rate

- 1 Table 30 presents the variations of invoices after application of the proposed
- 2 increase for the standard G rate consumption. According to selected consumption
- 3 assumptions, the invoice variation ranges between 2.6% and 3.1 %.

**Table 30
Monthly Impact on Standard Consumption –G Rate**

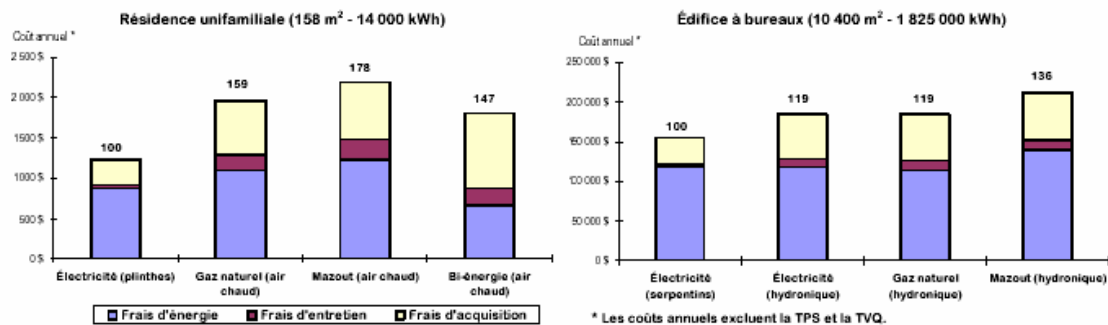
Capacity	Energy	Invoice at the current rate	Invoice at the proposed rate	Variation	Variation
kW	kWh	\$	\$	\$	%
6	750	71	73	2	2.6%
14	2 000	169	174	5	2.9%
40	10 000	798	823	25	3.1%
80	40 000	2 615	2 696	81	3.1%

5 COMPETITIVE POSITION

5.1 In Quebec

1 Since the Distributor has a retail monopoly for electricity sale in Quebec²⁰,
 2 competition comes primarily from natural gas and fuel oil, as sources of alternative
 3 energy. As Figure 3 indicates, the electric space heating is definitely advantageous
 4 for a standard one-family residence when accounting for the low costs of
 5 acquisition, installation and maintenance. In the commercial area, the position of
 6 electricity for the heating remains also advantageous although fuel competition is
 7 stronger.

FIGURE 3
POSITION CONCURRENTIELLE DE L'ÉLECTRICITÉ
POUR LE CHAUFFAGE DES LOCAUX
JUILLET 2005



8 Moreover, the increase and the significant fluctuation of fuel prices during the last
 9 years, described in Section 1.3, created an unstable and not very attractive
 10 environment for the consumer. Consequently, the proposed rate increase will only
 11 have a negligible impact on the electricity competitive position compared to other
 12 forms of energy.

²⁰Except for the municipal networks and St-Jean Baptiste-de-Rouville Electricity Co-operative.

5.2 In North America

1 Among the cities being part of the annual price comparison performed by the
 2 Distributor and, as indicates it the table below, only electricity rates of Manitoba
 3 Hydro, as well as BC Hydro, Seattle City Light and PacifiCorp for certain categories
 4 of customers, are lower than those of the Distributor as of April 1, 2005. ²¹

**Table 31
 Comparative Indices of Electricity Prices in North America ¹
 (April 2005)**

	Residential Customers (1 000 kWh)	Small Power Customers (40 kW - 10 000 kWh)	Medium Power Customers (1 000 kW - 400 000 kWh)	Large Power Customers (5 000 kW - 3 060 000 kWh)
Canadian cities				
- Montreal	100	100	100	100
- Toronto	175	135	163	216
- Winnipeg	99	77	74	82
- Edmonton	140	115	120	147
- Vancouver	101	88	76	99
US cities				
- New York	320	265	273	340
- Boston	285	243	253	322
- Chicago	149	148	139	168
- Portland	125	101	90	111
- Seattle	136	91	107	160

Note 1: Prices calculated in Canadian dollars and exclude all sales taxes

5 In addition, as detailed in the following table, several electricity distributors in
 6 Canada increased since the submission of R-3541-2004, HQD-13, Document 1.

²¹Source: Comparison of electricity prices in large North-American cities (April 2005).

Table 32
Rate Increases in 2005-2006
Electricity Distributors in Canada

	Date	%	Notes
Granted Rate Increases			
Hydro-Quebec	1 April 2005	1.2 %	Asked: 2.7 %
Newfoundland Power (NL)	1 January 2005 1 July 2005	-0.5 % 5.2 %	Automatic adjustment according to the interest rates Rate stabilization account ¹
Newfoundland and Hydro Labrador (NL)	1 January 2005	9.7 %	Adjustment according to the price of fuels and hydro
Maritime Electric (EP)	1 July 2005	2 %	Requested: 2 %
Nova Scotia Power (NS)	1 April 2005	5.3 %	Requested: 7.3 % ²
New Brunswick Power (NB)	March 31, 2005 July 7, 2005	3 % 3 %	Granted under the terms of the law, without revision ³ Granted under the terms of the law, without revision
Hydro Ottawa (ONE)	1 April 2005	6.1 %	Supply and distribution components ⁴
Hydro Toronto (ONE)	1 April 2005	7.6 %	Includes supply and distribution ⁴
Hydro Manitoba (MB)	1 April 2005	2.25 %	Requested: 2.25 %
EPCOR Energy (AB)	1 April 2005	2.95 %	Includes supply and distribution ⁵
Rate rises requested			
Hydro-Quebec	1 April 2006	3 %	
Nova Scotia Power (NS)	1 January 2006	15 %	
SaskPower (SK)	1 October 2005	4.9 %	See note 6

Note 1: On the 1st of July of each year, the Newfoundland Power rates are adjusted in order to recover the amounts from the rate stabilization account set on March 31.

Note 2: The request went from 12.4 % to 7.3 % following a negotiated settlement process. Moreover, a rate increase of 10.4 % was granted on the 1st of January 2005 for certain industrial customers (rates adjusted annually according to the fuel price).

Note 3: NB Power can increase its rates more than once during a financial year (which ends on March 31) without having to file a request with the BCPU, as long as the total increase is not higher than the highest of 3 % and the rise of the CPI.

Note 4: On annual basis, for residential customers consuming 1 000 kWh per month (increase of 4.2% because of the supply component; the price of supply is regulated for lower than 250 000 kWh annual consumptions).

Note 5: On annual basis, for residential customers who consume 1 000 kWh per month (increase of 1.8% because of the supply component; the price of supply is regulated for the lower than 250 000 kWh annual consumptions).

Note 6: The government of Saskatchewan granted SaskPower a rate increase of 5.65 % on the 1st of September 2004, rather than 9 % and refused the additional request for 2 % on the 1st of September 2005.

6 RATE OPTIONS

6.1 Assessment of the Real Time Rate Option

6.1.1 Option Introduction on an Experimental Basis

1 In 1994, in order to allow customers to have an access to the market price and
2 introduce a price mechanism almost instantaneously reflecting the network
3 situation, Hydro-Quebec introduced an experimental option of setting rates in real
4 time (RRT). In the nineties, RRT option covered approximately 70 customers and
5 recorded a 50 MW average demand and a 10 % average marginal consumption for
6 the participants.

6.1.2 Option Weaknesses

7 With only one price used in purchase mode as well as in sale mode, the RRT option
8 sought to meet two objectives: the elimination of peak loads and sale of additional
9 energy. The assessment of the current RRT allows for the identification of this
10 option relative weaknesses.

11 At the beginning of the year 2000, the lack of flexibility combined with high prices
12 caused a significant customer base crumbling. The LR Rate thus lost nearly 35
13 customers out of the 40 who had signed up. In addition, the method of fixing of
14 hourly energy prices was often mentioned by the participating customers as one
15 lacking transparency and being too highly influenced by the only one producer and
16 not enough by the actual market.

17 As for the medium power, they were mainly Bi-energy customers who chose MR
18 rate, but also customers who wanted to benefit from the option flexibility in order to
19 optimize their heating loads.

1 When RRT prices increased, most of these customers migrated towards the BT
2 rate, its prices becoming relatively more attractive. Thus, since January 1, 2001, the
3 MR rate lost nearly 33 customers and only 2 are now using it.

4 As for the Distributor, RRT option is not a reliable mechanism for consumption
5 management due to the absence of mandatory interruptions from the customer and
6 too long a notice. The interruptible electricity option, like the one introduced from
7 December 1, 2004 to November 30, 2006, more adequately and reliably meets the
8 Distributor's needs for consumption management (see Decision D-2004-213).

6.1.3 Proposal

9 In this context, it is preferable that the Distributor creates better adapted options
10 with each of them aiming at a distinct objective and targeting specific customers.
11 Thus, in addition to interruptible electricity for medium and large power consumers,
12 the Distributor proposes to meet the customers' flexibility needs by introducing an
13 additional electricity option as of April 1 2006, that will be accessible to large power
14 customers.

15 The assessment of the MR rate revealed that few medium power customers could
16 benefit from the additional energy option, especially during high prices periods, to
17 optimize their demand over short periods. For this reason, the Distributor does not
18 expect, for the moment, to introduce a similar option for medium power consumers.

19 These options would advantageously replace the RRT. Consequently, the
20 Distributor proposes to repeal rates LR and MR as of April 1, 2006.

6.2 Additional Electricity Option for large Power Customers

1 The additional electricity option is an offer to customer who would like to use an
2 small quantity of additional power, outside of the Distributor's peak hours, that he
3 would not otherwise consumed, at a capacity and energy combined price at the
4 Distributor's marginal procurement average cost.

5 The proposed additional energy option replaces the current RRT option. The
6 proposed option is however more flexible in its application and does not require any
7 long-term commitment from the customers. In this context, the Distributor notices
8 that all customers currently under RRT should adhere to the additional energy
9 option. In the same way, the Distributor anticipates that other customers could be
10 interested in the option due to the increased flexibility.

11 The potential of additional sales was evaluated by assuming a 6 month participation
12 a year at a prices of 8 ¢/kWh. Being based on an average power of 25 to 50 MW,
13 the evaluated potential ranges between 11 and 50 GWh depending on the number
14 of days per month the customer calls the option (3 to 7 days).

6.2.1 Price Determination

15 The additional electricity for each month period is sold at the Distributor's average
16 marginal procurement cost.

17 The fact that this energy is consumed outside the network's most loaded periods
18 and without exceeding available power, allows to exclude transmission and
19 distribution costs.

20 Normally, the acquisition at the Distributor's margin is done by using the short-term
21 market products. Given the nature of the option for additional electricity, the
22 products which must be used to establish its price are essentially energy contracts,
23 not capacity contracts.

24 Energy is usually dealt in \$/MWh on the spot market or through a bilateral
25 transaction. A significant number of the Distributor's transactions occur every

1 month, so that, in practice, it is impossible to establish in advance the price the
2 Distributor will actually pay. In order to go around this difficulty, it is proposed to
3 establish the price by applying a market indicator.

4 The selected indicator is the portfolio of options (futures) of New York Mercantile
5 Exchange (NYMEX) targeting New York - Zone A market for peak and off-peak
6 hours and for which data are available via Internet. The New York market is the
7 Hydro-Quebec reference market because of its proximity and a significant number
8 of transactions. In this pool, even if zone M is the Hydro-Quebec zone, zone A is
9 the most significant and deep enough. These transactions can be checked on
10 NYMEX web site²² under the following names:

- 11 ▪ NYISO Zone A LBMP Swap - Peak
- 12 ▪ NYISO Zone A LBMP Swap - Off Peak

13 In order to determine a monthly price for every hour, prices of these two products
14 are balanced according to the number of peak and off-peak hours of the targeted
15 month as set in the schedule of the National Electricity Reliability Council (NERC).

16 Two adjustments will be applied to this market indicator. The first adjustment brings
17 it back to Hydro-Quebec zone by reflecting a price differential between NYISO Zone
18 A and Zone M. This adjustment will be set using historical data of this price
19 difference and will be calculated on a 12 month rolling average for each referenced
20 month²³. The second adjustment reflects the delivery charges from NYISO Zone M
21 to the border of Quebec. This adjustment is fixed at 6\$US/MWh, according to a
22 historical average, for every referenced month. This adjustment will be re-
23 examined once a year.

24 The result of these adjustments will be converted into Canadian dollars at the
25 exchange rate for the working day used for the market indicator.

²²http://www.nymex.com/ele_oth__main.aspx

²³See Appendix B.

1 The Distributor send the price to the customers seven days before the beginning of
2 each calendar month and this price remains the same for the month.

6.2.2 Application Form

3 The additional electricity option is reserved for L rate subscriptions held by a
4 customer who does not benefit from the rate related to running-in new equipment.

5 The participation in the additional electricity option is renewed monthly and is for a
6 period of at least a month. At the end of its participation, the customer's
7 subscription is again subject to the prices and conditions of existing L rate.

8 A detailed example of invoice calculation of additional electricity is presented in
9 Appendix C.

6.2.2.1 Reference Components Determination

10 In order to establish the reference components (capacity and energy), the
11 Distributor must receive, at least 5 working days prior to beginning of the
12 consumption period, the customer written request. The Distributor must then
13 confirm to the customer the reference components for the 1st day of the
14 consumption period. In order to avoid any sales cannibalization at the basic rate,
15 these components must reflect the normal profile of the customer consumption.
16 Thus, the three previous consecutive month reference period is taken into account
17 when registration before customer can register to the option.

6.2.2.2 Invoice Calculation

18 The reference components are invoiced under L rate, which allows the Distributor to
19 ensure rate neutrality. All reference consumption is credited at the price of energy
20 under L rate.
21

22 Any consumption beyond the reference is invoiced at the price of additional
23 electricity, revised monthly. However, in order to limit additional consumption when
24 marginal procurement cost is higher than the selling price to the customer, the
25 Distributor reserves the right to prohibit additional consumption. Moreover, due to
26 the network congestion problems, additional electricity could also be restricted.

1 During these restriction periods, any consumption beyond the reference will be
2 invoiced at 50 ¢/kWh. This penalty is meant necessary in order to prevent additional
3 capacity costs to the Distributor because of additional consumption.

6.2.2.3 Proposal

4 RRT being adjusted to the current context, the additional electricity option will allow
5 to better meet the present needs of large power customers and to limit risks both for
6 the Distributor and customers. The additional electricity option, in parallel with the
7 interruptible electricity option, will adequately replace RRT as of April 1, 2006.

6.3 Interruptible Electricity Option for Medium Power Customers

6.3.1 Context

8 Within the framework of case R-3531-2004 aiming to repeal the BT rate intended
9 for commercial, institutional and industrial customers (CII), the Distributor was
10 directed to offer the similar option, an option of interruptible electricity effective April

1 1, 2006 for medium power customers having a electric load shedding capability.²⁴

2 This option sprang from the interruptible electricity currently available to the L rate
3 customers while being adapted for medium power customers who have Bi-energy
4 CII system. This adaptation allows to take into account the nature of service
5 rendered by the participating customers, the lesser resources available to medium
6 power customers to manage their energy consumption and their lower interruption
7 flexibility.

6.3.2 Option Parameters Determination

8 For the Distributor, medium power customers interruptible electricity will be an
9 additional tool to manage the local load supply/demand balance. The proposed
10 option must however must allow for the reconciliation of the Distributor's needs for
11 management in the context of current procurement with customers' capability to
12 partially reduce their electricity consumption. In addition, it must comply with the
13 criteria set by the Régie in its Decision D-2002-115, so-called obligation to be
14 practically applicable to the customers who benefited from the BT rate, thus support
15 the Bi-energy program.

16 The repeal of rate BT rate caused the transfer to medium power general rates of
17 customers having some fuel boilers and who then benefit from a potential electric
18 shedding capability. The medium power customers include customers with many
19 different consumption profiles, mainly commercial customers, but also industrial and
20 institutional customers, as well as a small number of residential and agricultural
21 customers. In addition, and even though the potential remains low, some of these
22 customers could have a certain flexibility to proceed to a partial load shedding for
23 one or more of their uses, for example lighting or processing.

24 The methods applied to the large power customers for the interruptible power
25 option are currently too constraining and not easily applicable to medium power
26 customers. For example, with a 3 hours notice before an interruption, the customer

²⁴R-3531-2004, Hqd-1, Document 1, pp. 21 to 24.

1 may be advised during the night for an interruption starting at 6 o'clock in the
2 morning, which requires the constant presence of a person in charge on the site.

3 In order to simplify the application of the option, it is proposed to advise the
4 participating customers, without any cancellation possibility, at 15 o'clock the day
5 before the interruption. Moreover, it is proposed to establish fixed periods of
6 interruption during the day, corresponding to the critical network periods, from 7 to
7 11 and from 17 to 21 o'clock. In theory, this way the customers will have sufficient
8 time to react.

9 For the Distributor, however, this modifies the nature of the option, which becomes
10 comparable with short-term purchases on the New York market²⁵ where the notice
11 is 17 to 32 hours. In addition, since these customers have a alternative energy
12 source and can thus avoid the production losses in case of interruption, the
13 proposed option proves to be less constraining than the L rate customers
14 interruptible option. Thus, the credit proposed for winter 2006-2007 will be 12
15 ¢/kWh, taking into account the historical market conditions. This credit corresponds
16 to the historical prices on DAM market of NYISO²⁶ for 100 highest hours (about 15
17 ¢/kWh), less the price of the M rate 2nd energy block²⁷, which the customer will not
18 have to incur at the time of interruption. Considering the price of fuel oil, which is

²⁵Day Ahead Market Price (DAM) of zone HQ of New York Independent System Operator (NYISO), plus the applicable transmission and ancillary service charges.

²⁶See appendix B.

²⁷Currently 2,56 ¢/kWh. Proposed price of 2,66 ¢/kWh on April 1, 2006.

1 equivalent to approximately 8 ¢/kWh²⁸, this would represent for the customer an
2 approximately 7 ¢/kWh net credit.

6.3.3 Customers Consultation

3 In order to evaluate the medium power customer interest for an electricity
4 interruptible option and to specify its methods, a customer and various industry
5 experts consultation process took place between June 27 and July 6, 2005.

6 In total, 29 participants, divided into nine groups met in Montreal and Quebec: 5
7 groups of experts (consulting companies, equipment suppliers, eco-energy service
8 firms) and 4 groups of customers (BT rate and nont-BT). Before the meeting, the
9 participants received documents specifying, among others, the outline of items for
10 discussion in order to have some preliminary idea on the subject and to allow a
11 thorough discussion at the meeting.

12 The Distributor engaged an independent firm to conduct group discussions. The
13 meetings were hosted by a consultant in the presence of the Distributor's experts to
14 answer, if needed, technical questions.

²⁸Corresponds to price of 60,5 ¢/liter, at a 70% heat efficiency.

Explored concept

1 The interruptible power concept, its operation as well as option methods were
2 presented to the participants. The primary goal was to measure the participants
3 interest in the global concept and technical potential of application in the current
4 market; the second goal was to measure the acceptability and viability of the
5 various application methods.

Main Results

6 The majority of participants agreed that the concept is interesting but remains very
7 limited with regard to its potential of application. Several customers already
8 optimize their electricity consumption by using other sources of energy for some of
9 their uses. Thus, the electrically heated boilers seem mostly used during off-peak
10 hours, cannot be substituted when they are used during reference hours. The
11 commercial and institutional customers must in addition take into account
12 constraints related to their own customer comfort. For industrial customers, any
13 intervention likely to have an impact over the production process is not possible
14 without the recourse to a reliable and economic auxiliary source.

15 The participants challenged the option profitability for the customers, taking into
16 account the granted credit and the expected benefits uncertainty. Indeed, the
17 customers expect a guaranteed minimum revenue that would cover their expenses
18 and flexibility of the conditions so that the option proves to be interesting (only a
19 variable credit of 12 ¢/kWh was mentioned during consultation process). In addition,
20 they noted an additional risk to the customer, the price of fuel oil could evolve/move
21 during the subscription period whereas the credit would remain the same.
22 Moreover, the penalty is considered to be too high in comparison with the offered
23 credit (a penalty of 50 ¢/kWh was mentioned during consultation process).

1 According to some, lower penalty could nevertheless play its dissuasive role;
2 according to others, no penalty should be applied.

3 As for the methods, a greater flexibility seems necessary. For example, some
4 pointed out that only one area of load shifting could apply according to certain
5 consumption profiles, that automation would facilitate the application and that the
6 notices should directly be sent to several persons elected by the customer, by e-
7 mail or pager, rather than only be indicated on the Internet site. Ideally, the notices
8 should be transmitted early given the limited availability of the qualified personnel
9 after 15 o'clock.

10 Under the current conditions, the option doesn't look economically very interesting
11 to the customers, but the possibility of the option being offered is welcomed and
12 could be considered in future energy decision. A more flexible and attractive option
13 could however increase the number of interested customers. The market trends
14 could in addition contribute to make this option more profitable in the future years.

6.3.4 Proposed Application Methods

15 Taking into account the participant comments during consultations, the methods
16 were adjusted in order to make the option much simpler and flexible for the
17 customers. The level of credit is not easily adjustable since it reflects the current
18 market conditions but it is proposed to partly offer it in the form of a fixed credit.
19 This will allow to compensate customers for the required modifications, to maintain
20 equipment in good operating conditions, management and application of the option.
21 In addition, a variable credit will be used to compensate for fuel costs. The targeted
22 objective is to make it possible for the prospective customers to be able to use it

1 without too many constraints in order to maintain an interruptible group of medium
2 power customers. These methods could be adjusted in the future.

3 The following methods are proposed:

Commitment

4 At the Distributor's request, the participating customers must be able to offer, for the
5 winter period, an interruptible power corresponding to at least 15 % of their
6 maximum power of the previous winter's average invoice with a minimum of 100
7 kW. The customer must specify the maximum power, which he/she appoints not to
8 be exceeded during an interruption period (basic power).

9 Commitment is valid for the winter period from December 1 until March 31 of the
10 following year. During the commitment period, modifications can be made to the
11 basic power and will be applicable to the next consumption period. When a
12 customer loses his load shifting capability, for example, because of malfunctioning
13 equipment, he/she will have to advise the Distributor who will withdraw the option
14 for one temporary period and will consequently adjust the credit. If this situation
15 occurs more than twice during the customer's commitment period or if the number
16 of days of unavailability exceeds seven working days, the customer could be
17 withdrawn from the option for the remainder of his/her commitment.

Notice of Interruption Request

18 When the Distributor wishes to call upon interruptible electricity, the Distributor send
19 an interruption request notice, (which is transmitted by e-mail or pager) to all
20 participating customers, at 15 o'clock at the latest, the day before the interruption.
21 The notice includes the beginning and end time for one or two interruptions for the
22 day. The interruption periods are of four hours in duration each and are established
23 for predetermined time periods, from 7 until 11 or from 17 until 21 o'clock,

1 corresponding to the network critical periods. Once transmitted, the Distributor
2 cannot cancel the notice.

A maximum Interruption Number

3 The maximum number of interruptions during the period of commitment is 2 periods
4 of 4 hours per day, for 100 hours maximum (25 periods).

Applicable Credits

5 The 12 ¢/kWh proposed credit would be made in fixed and variable form. Thus, a
6 fixed credit of 5 \$/kW²⁹ would apply for the winter period at a rate of 1.25 \$/kW,
7 over the monthly effective interruptible power and a variable credit of 7 ¢/kWh
8 would apply to the hourly effective interruptible power.

Credit Calculation

9 The amount, credited monthly to the participating customer during the four winter
10 months, corresponds to the product of 1.25 \$/kW-month by the difference between
11 the average load during the working days reference hours over the consumption
12 period (excluding the public holidays and the days of interruption), and the level of
13 power that the customer commits not to exceed during the time of interruption.

14 The amount offered to the participating customers in each hour of the interruption
15 period corresponds to the product of the 7 ¢/kWh hourly credit and the effectively
16 interrupted power, that is to say, the difference between the average hourly power
17 during the working days reference hours for the consumption period (excluding the
18 public holidays and the days of interruption), and hourly average power during the
19 interruption period.

²⁹Is equivalent to 5 ¢ / kWh for 100 hours of interruption.

Penalty for Default of Interruption

1 The customer is responsible to limit his/her calls for real power to a level lower than
2 105 % of the applicable basic power. For any excess over this limit during the
3 interruption period, the customer will lose credit for this hour of interruption, in
4 addition to paying the general applicable rate. Moreover, the Distributor will apply a
5 0.25 \$/kW penalty for each excess load during the interruption period. The sum of
6 penalties will be however limited to the total fixed credit amount for the commitment
7 period.

8 An example of credit application and penalty is presented in Appendix D of this
9 document.

6.3.5 Impacts**6.3.5.1 Impact on Participants**

10 The customers who sign up for the electricity interruptible option all have, a priori, a
11 Bi-energy heating system (they are for example former customers of the BT rate)
12 and use the offered flexibility to manage their capacity demand and reduce their bill
13 for energy. Thus, they are customers for whom the interruptible electricity option
14 will bring value to their existing installations.

15 The amounts, which customers could receive under the terms of this option are
16 related to the shedded load, number of hours of interruption and offered credits. As
17 previously mentioned, fixed credit will allow to compensate for the customer's
18 required modifications, equipment maintenance, option management and
19 application. Moreover, no particular installation to the communication equipment is
20 required to be able to receive the interruption notices (e-mail or pager).
21 Furthermore, if the customer does not have an interval meter allowing to meter
22 consumption every 15 minutes during the interruption periods, the Distributor will

1 install it as a part of the ongoing program of metering equipment modernization,
2 without specific charges since these replacements are already planned for this type
3 of customers (see R-3531-2004, Hqd-2, Document 1, pages 16-17).

6.3.5.2 Impact on the Distributor

4 Interruptible electricity for the customers of medium power will constitute an
5 additional tool to manage the local load supply/demand balance. As for the level of
6 potential interruption expected from this option, the Distributor currently forecasts
7 60 MW which he had specified within the framework of the request for repeal of the
8 BT rate³⁰. Indeed, contrary to the interruptible option for the large power customers,
9 of which the Distributor has a history of several decades of subscription as a rather
10 homogeneous clientele, the proposed new option has very heterogeneous
11 customers at year 0. A better forecast would thus be completely speculative.

12 The Distributor would not undergo any loss of revenue for power or energy
13 following the requested interruptions. Indeed, on the one hand, the participating
14 customer will continue to pay for the capacity charge set forth for its monthly
15 maximum committed capacity or his applicable contractual demand. On the other
16 hand, the price of rate M energy is deduced from the market price to establish the
17 credit offered for interruption.

18 The option implementation will give rise to the certain fixed costs to the Distributor,
19 in particular for development of the invoicing system, promotion and customer
20 recruitment. In addition, certain recurring annual expenditures related to the option
21 management must also be considered for metering (maintenance of telephone
22 connection to communicate consumption data), invoicing and delivering notices.

³⁰R-3531- 2004, Hqd-1, Document 1, p. 24.

1 However, they are directly connected to the number of interruption customers who
2 will subscribe to the option.

6.4 Other Rate Options modified by the Distributor

6.4.1 LC Rates

3 The LC rate was developed in the eighties with the purpose of selling the
4 occasional energy surpluses. These surpluses are disposed in the form of
5 supplemental energy to the large power customers equipped with a fuel fired boiler.

6 When a surplus of energy was anticipated, the Distributor forwarded a request for
7 tender to the customers, who, in turn submitted requests to buy blocks of surplus
8 energy.

9 In the context of current acquisition, the Distributor proposes to repeal the LC rate.

6.4.2 LP Rate

10 The LP rate, offered as assistance energy for short period of time in order to help
11 maintain the boiler program under the LC rate. Taking into account the repeal of
12 the LC rate, the Distributor proposes to limit the rate to the current customers.

13 Since the power consumption under the LP rate is not included as a part of heritage
14 energy, the charge for this energy should reflect the Distributor's marginal
15 procurement cost. To do so, the Distributor proposes to use, as an indicator, the
16 price of the additional electricity option set on a monthly basis.

17 The price of electricity consumed without authorization will be also adjusted to
18 application methods of the additional electricity option by changing it from \$1.00 to

1 \$0.50 kWh. Methods related to the delivery of electricity within the framework of this
2 rate remain the same, but the Distributor proposes to introduce a 72 hours deadline
3 to handle any request for consumption in order to better account for possibilities
4 and needs for sound management of its network.

6.4.3 Making up Methods

6.4.3.1 Winter Activities

5 The methods related to winter activities were introduced in the tariff practice in
6 February 1984, following a request of the association of Quebec ski resorts owners
7 for activities taking place during winter.

8 With the end of the energy surpluses, the access to winter activities method is
9 closed to new customers since May 1, 1988 within the framework of a possible
10 withdrawal of the related methods and a correction of 2 % per year introduced on
11 May 1, 1993 in order to reach the standardized rates (in particular G-9). This
12 making-up was suspended in 1997 when the National Assembly adopted the Law
13 on the Régie (Bill # 50). Thus, the annual eligible customer increase for the winter
14 activities rate has been 8% since May 1, 1996.

15 The Distributor intends to continue, at the same rhythm then agreed to, the 2%
16 annual making-up, that begun in 1993 and discontinued in 1997. The invoice on
17 April 1 2006 will increase by 10 %. The correction will take place for 6 - 8 years.
18 This making-up relates to 24 key customers and represents nearly \$5 000 of
19 additional revenue in 2006 from these customers.

6.4.3.2 Municipal Networks

20 On May 1, 1990 Hydro-Quebec introduced an upper limit mechanism for the
21 applicable increases to municipal networks in order to limit the relatively high rate

1 increases that some of these networks underwent due to the L rate modifications, in
2 progress since 1990.

3 This making-up clause at 0.5 % higher than the average increase of L rate, applies
4 until it is more advantageous for the municipal network to be invoiced under L rate
5 than to be charged per rate L as of April 30th, 1990, adjusted by a certain multiplier.

6 The making-up was repealed on May 1, 1996.

7 The Distributor proposes to reintroduce this making-up by maintaining the rate
8 initially fixed at 0.5 % per year in order to standardize the rates applied to municipal
9 networks.

10 There are only two municipal networks remaining, which benefit from this treatment,
11 the municipalities of Saguenay and Westmount. With a renewal of 0,5% increase,
12 which represents in 2006 an amount of \$600 000, it will take 1 or 2 years before this
13 making-up is complete.

7 RATES IN AUTONOMOUS NETWORKS

7.1 Introduction

14 The rates applicable to the customers in non interconnected networks is described
15 in the Rates and Section XIII specifies the particular methods of application. In
16 addition to the applicable prices, the rate structures and the conditions for
17 application were not re-examined since the introduction of the Régie Act.

18 In order to meet the changing needs of autonomous networks, the Distributor
19 proposes in this document certain modifications to the Rate document.

7.2 Description of Customers

1 The Iles-de-la-Madeleine, Port-Menier on the Anticosti island, fifteen villages at the
2 far end of the Low North Coast, fourteen others in Nunavik³¹ and three villages in
3 High-Mauricie form the autonomous networks. As a whole, nearly 15 000
4 customers from 37 communities consuming approximately 300 GWh constitute the
5 customers of these networks.

6 The customers are mainly of residential, but also institutional, commercial and
7 industrial. Population of the Ile-de-la-Madeleine is approximately half of the
8 customers and the total energy sales of the autonomous networks. The native
9 communities (mainly located on Nunavik and High-Mauricie) represent more than
10 the third of the customers and approximately 25 % of the energy sales.

³¹Nunavik is located to the north of 53rd parallel.

1

Table 33

**Description of Customers
Year 2004**

	Subscription	Sales (MWh)	Total revenues (\$)
South of the 53rd parallel			
Residential customers	8 892	138 186	8 898 360
Business customers	1 630	109 421	8 231 417
Sub-total	10 522	247 607	17 129 777
North of the 53rd parallel			
Residential customers	3 434	26 022	2 369 399
Business customers	773	32 184	3 094 117
Sub-total	4 207	58 206	5 463 516
Total	14 729	305 813	22 593 292

2 In Nunavik and High-Mauricie, the demand for heating is satisfied by fuel oil, that is
 3 100 % and 95 % respectively. Elsewhere, the electric space heating is more
 4 widespread. All the customers of Romaine on the Low North Coast and
 5 approximately half of the customers on Iles-de-la-Madeleine and Anticosti use
 6 electricity for space heating.

7.3 Autonomous Networks Electricity rates

7.3.1 History north of the 53rd parallel

7 In May 1981, the federal government transferred to the government of Quebec
 8 responsibility for Nunavik’s electrical networks, which are located north of the 53rd
 9 parallel. When Hydro-Quebec took over in 1982, electric heating was almost non-
 10 existent there. This situation facilitated the adoption of

1 dissuasive pricing³² to discourage the use of electricity for purposes of heating
2 water and buildings, by a elevated price for the power consumed beyond the 20
3 kWh/day threshold for residential customers. In 1996, with the aim of standardizing
4 the application of the residential rate for autonomous networks located north and
5 south of the 53rd parallel, this threshold was increased to 30 kWh/day and special
6 connection charges³³ are applicable when this new connection supplies heating
7 loads. The use of electricity for heating water and buildings in networks supplied by
8 thermal stations does not constitute a good economic choice since the heating
9 appliances powered by fuel oil situated at the consumption site have a much higher
10 efficiency than those of electricity production from power stations with diesel
11 engines. It is thus definitely more advantageous, for all Quebec customers, if
12 autonomous network customers heat their buildings and water directly by using
13 fuel oil.

14 Back in 1982, the use of electricity for any thermal application was prohibited from
15 flat rates and the maximum supply limit was fixed at 100 kVA. In order to
16 standardize the rate application of autonomous networks south of the 53rd parallel
17 and given the similar characteristics to all autonomous networks, Hydro-Quebec
18 increased this limit to 1,000 kVA in 1993.

7.3.2 History south of the 53rd parallel

19 After the nationalization of electricity in 1963, electricity delivered from an
20 autonomous network south of the 53rd parallel was invoiced at the same rates as
21 those applicable to an integrated network. In 1982 a supply limit was fixed at 1,000
22 kVA³⁴ in order to take into account the particular conditions of production in the
23 autonomous networks..

³²The history of the applicable rates is available in Appendix E.

³³That is to say \$5 000 for the first 20 kilowatts and \$250 per additional kilowatt.

³⁴At the time of the assumption of responsibility for the autonomous networks to the north of 53rd parallel.

1 In 1996 Hydro-Quebec submitted a proposal with the goal of slowing down the
2 expansion of electric heating which, since the seventies, had been creating larger
3 and larger discrepancies between revenues generated in autonomous networks
4 and operation costs. By the Rates Regulation # 642 of May 1st, 1996, Hydro-
5 Quebec is authorized to extend the application of dissuasive pricing to all
6 customers supplied from autonomous networks and to impose special connection
7 charges of \$5,000 when the new connection feeds loads are designated for space
8 heating or water heating. The regulation expects a gradual application of these
9 rates by granting lead time for the conversion of electric heating systems to another
10 source of energy. In December 1996, the Council of Ministers amended Rates
11 Regulation # 642 in order to withdraw the dissuasive rates and special connection
12 charges for networks south of the 53rd parallel.

7.3.3 Current rate application

13 Residential customers of networks north of the 53rd parallel benefit from a
14 residential rate up to the consumption of 30 kWh per day, the consumption
15 associated with the first tier generally corresponding to the basic uses. The
16 surplus, consumption associated with electric heating, is invoiced at 28.07 ¢ / kWh.

17 Consumption characteristics of business customers do not allow the Distributor to
18 establish a rate structure that can limit the use of electricity for thermal applications.
19 Thus, although the flat rates apply to all subscriptions³⁵, certain uses are specifically
20 prohibited in the regular rates. As specified in article 268 of the Rates document, a
21 dissuasive rate of 61.91 ¢ / kWh applies to all consumption when the delivered
22 electricity is used for heating buildings, water or any other thermal application,
23 except for some appliances

³⁵Lower than 1 000 kVA.

1 (electric household appliances, industrial or commercial appliances used for
2 cooking and food conservation, and appliances for manufacturing processes in light
3 industry). It should be noted that a thermal machine or instrument is an appliance
4 used "(...) *to convert heat into work or to transfer heat from a source of a certain*
5 *temperature to another source of another temperature by using an engine*
6 *(refrigerator, heat pump)."* ³⁶ Article 268's restrictions and exceptions aim at
7 encouraging customers to make an optimal use of energy resources.

8 Dissuasive pricing is supported by the application of special connection charges³⁷
9 when the connection feeds loads designated for heating buildings or water north of
10 the 53rd parallel.

11 Customers supplied from autonomous networks south of the 53rd parallel benefit
12 from rates applicable to integrated networks which explains the significant number
13 of customers using electricity for heating buildings and water and this, in spite of
14 measurements other than pricing set-up with the intent of reducing this use. Indeed,
15 the energy efficiency programs in autonomous networks had the goal, among
16 others, since 1979, to encourage heating with fuel oil.

7.4 Special connection charges: temporary electric heating

17 During construction, portable radiators are regularly used for drying joints and paint.
18 Although this is a temporary use of electricity for a short duration, special
19 connection charges are applicable given it is a load for heating buildings as
20 stipulated in Conditions of Service of Rates Regulation # 634³⁸ ("Conditions of
21 Service") in effect³⁹. In practice, these charges are not easily applicable for this

³⁶Large encyclopedic dictionary Larousse, 1985.

³⁷That is to say \$5 000 for the first 20 kilowatts and \$250 per additional kilowatt.

³⁸Conditions of Service of Rates Regulation # 634 on the conditions of supply of electricity (L.R.Q., C H-5, A. 22.0.1) as modified by Decisions D-2001-60, D-2001-259, D-2002-07, D-2002-261 and D-2003-23 of the Régie (L.R.Q., C R-6.01, A. 31).

³⁹Article 42.

1 type of use considering the short period of use, that is a the maximum of 21 days⁴⁰,
2 and the low importance of the load.

3 As an indication, the additional consumption for a house in construction is
4 approximately 750 kWh, that is 1,500 Watts during 21 days⁴¹, and represents
5 energy cost of approximately \$140⁴². The Distributor estimates that in 2003, about
6 sixty⁴³ houses were built in Nunavik.

7 In order to clarify the situation, to ensure a uniform application of these charges,
8 and considering the absence of a safe alternative to electric radiators, the
9 Distributor proposes to modify Article 42⁴⁴ of the Conditions of Service so that the
10 special connection charges do not apply to temporary electric heating for drying
11 joints and paint during construction.

7.5 Thermal applications: air-conditioning and heating cables

12 As specified in Section 7.3.3, the dissuasive rate applies to flat rates when
13 electricity is used for any thermal application, which includes, among others air
14 conditioning, in networks located north of the 53rd parallel. Thus, when electricity is
15 used for air conditioning or to feed heating cables in water supply pipes, the overall
16 consumption of the subscription is invoiced at the dissuasive price of 61.91 ¢ / kWh.

⁴⁰Period from 14 to 21 days of June to October.

⁴¹Use factor of 100 %.

⁴²Cost estimated at \$176 (output of 3,7 kWh/litre and cost of fuel of 0,86 \$/litre) and returned with rate D of \$38.

⁴³The Distributor does not have statistics on new constructions in Nunavik, the number of permanent existing connections was used as reference.

⁴⁴The modification is presented in Appendix F.

1 Business customers expressed the need to use air conditioning to control the
2 temperature and humidity during the summer thus ensuring a favorable
3 environment for equipment sensitive to heat and for service users (airports,
4 hospital, buildings with offices, etc). In a letter written in June 2003, the Makivik
5 Society mentioned, "We requested that Hydro-Quebec look into the possibility of
6 allowing electricity to be used for air conditioners as the summers in Nunavik are
7 becoming warmer and warmer." The Distributor's analyses show that there is no
8 effective alternative to the use of electricity and that the economic impact of air
9 conditioning on the regular rate will be limited. The total cost of the additional load
10 of 275 MWh ⁴⁵ would be in the order of \$40,000, representing approximately 1 % of
11 sales revenues to business customers in Nunavik.

12 Moreover, since 1996, the Kativik Regional Government (ARK) enquired of Hydro-
13 Quebec to modify the applicable rates and to allow the use of electricity for heating
14 cables in underground supply water conduits between the source and water
15 treatment plant. The ARK considered the costs linked to the application of the
16 dissuasive rate *"unreasonable considering the stake for health and public hygiene
17 the drinkable water supply represents, a service both fundamental and vital"*. In
18 fact, freezing of the water supply pipes in the Village of Puvirnituk in winter 2004
19 generated an emergency which led to, in the summer of 2005, the installation of
20 heating cables over a distance of 5.1 km.

21 According to ARK, installation of electric heating cables is the most reliable,
22 simplest and the only technically possible solution. In effect, the short period of use,

⁴⁵Assumptions selected: 50 % of the customers of the flat rates which install three air-conditioners of the residential type (0,625 kW), for the period of 30 days use with a time operating ratio and diversity factor of 50 %.

1 as well as low consumption, ensures that a generator would not be effective and
2 that the operational costs would be prohibitory.

3 The Distributor considers that the low consumption associated with heating cables
4 in underground water supply pipes, estimated by the ARK⁴⁶ at approximately 9,900
5 kWh one year out of two, as well as the significant stakes for health and public
6 hygiene justify the application of the regular rate. However, for the purpose of peak
7 management, these loads will have to be interrupted on request of the Distributor.
8 The annual shortfall between the regular rate and the currently applicable
9 dissuasive rate will be \$2,700 for one village and up to a maximum amount of \$
10 37,500 if the 14 villages of Nunavik install this technology.

11 The Distributor proposes to allow the use of electricity for appliances serving only
12 climatic purposes as well as heating cables in water supply pipes between the
13 source and water treatment plant, without the application of the dissuasive flat rate.
14 The addition of these exceptions respects the objective set in Article 268 of the
15 Rates documentdocument to encourage the customers to use various sources of
16 energy in an optimal way.

7.6 Rate for the deliveries exceeding 1,000 kVA

7.6.1 Current situation

17 The Distributor is responsible for the production equipment of the autonomous
18 networks, the use of which brings about elevated costs.. These costs are explained
19 for the most part by the production of thermal source, as well as distance, rendering
20 supply with fuel difficult and expensive.

⁴⁶According to the ARK, "*This heating cable would be used only in the case when conduit gets frozen (urgency), or is going to be (prevention). During last ten years this heating cable would have been in function five times for periods varying from one or two weeks* "

1 Although the Distributor is required to distribute electricity to any person who
2 requests it on the territory covered by Distributor's exclusive authority⁴⁷, including
3 autonomous networks, there is no rate in the Rates document for a subscription
4 supplied from an autonomous network with a power demand exceeding 1,000 kVA.
5 As stated in Article 269 of the Rates document, "*the rates in effect do not apply to*
6 *deliveries of electricity exceeding 1,000 kilovolt-amps delivered from an*
7 *autonomous network*". Consequently, a special contract approved by the
8 government is required each time a subscription exceeds the limit set in Article 269.
9 Until now, only one customer located on the Magdalen Islands has been the subject
10 of a special contract.

11 This provision identifies that an additional load of more than 1,000 kVA, or 900
12 kW⁴⁸ has a major impact on autonomous network's production capacity. In effect,
13 an additional load of 900 kW represents, according to the power station, an
14 increase varying between 30 % and 600 % of 2004-2005's peak.⁴⁹ With the
15 networks being developed and designed to meet the normal growth of the loads,
16 the leeway available to the Distributor is insufficient and the additions of this size
17 imply the recourse to additional production equipment, even the construction of a
18 new power station resulting in significant delays.

19 In order to meet the potential needs for these customers, by avoiding the recourse
20 to special contracts, the Distributor applies to the Régie to amend Article 269 by
21 introducing a rate designed for customers of more than 1,000 kVA supplied from an
22 autonomous network.

⁴⁷In accordance with article 76 of the Law on The Régie of energy.

⁴⁸That is to say 90 % of the greatest call of power connect in kilovolt-amperes for the subscriptions of small or average power as defined in article 1 of the text of the Rates.

⁴⁹Except for the power station of the Islands - of-the-Madeleine and the reservoir power station Robertson.

7.6.2 Need for a new rate

1 Actually, few customers are covered by Article 269 since only one exceeds the limit
2 of 1,000 kVA, the others having maximum power demand lower than 770 kVA.
3 However, certain customers already considered an increase in their loads and a
4 new customer could request a connection for a load exceeding the existing limit.
5 The approval of a rate by the Régie will allow to avoid the recourse to special
6 contracts and to inform the prospective customers of the applicable rate conditions.
7 The introduction of new MA rate to the Rates document will codify and clarify the
8 rate conditions while maintaining the uniform application of the rate throughout the
9 autonomous networks.

7.6.3 Marginal costs of production

10 By definition, the marginal cost of production reflects the cost to be incurred to
11 supply an additional demand, at the margin of an original situation in regard to the
12 balance between supply and demand. Thus, the marginal cost is a function of
13 current and future supply and the nature of demand, that is to say the level,
14 allocation in time and duration.

15 As for the available supply, autonomous networks are characterized by a fleet of
16 power stations functioning on heavy or light diesel. Existing engines must be
17 replaced at the end of their lifespan. The addition of an engine is required at the
18 time when peak power reaches the power station's firm level of power.⁵⁰

19 As for the demand, it acts on customer consumption that has a required power of
20 more than 900 kW with a use factor in the order of 60 %.⁵¹

⁵⁰The criterion to determine the firm power is as follows:

- For Cap-aux -Meules: the total power of all units minus the power of two units with the most power, the whole multiplied by 90 %. This allows to keep a unit in mild reserve and to make maintenance on another unit in peak period without putting in danger the security of supply.
- For other networks: the total power of all units minus the power of the unit with the most power, the whole multiplied by 90 %.

⁵¹Corresponds to the monthly use factor of all customers of rate M whose maximum power demand is lower than 2 000 kW.

1 An additional load of this importance, given the size of power stations, gives
2 necessity to proceed with the addition of a production unit, in addition to
3 significantly increasing the energy produced at the power station.

4 The marginal cost of production suitable for this demand thus constitutes a fixed
5 cost that corresponds to the required investment cost, and a variable cost that
6 corresponds to the power station's operational cost (fuel, operation and
7 maintenance).

8 The principal characteristics that determine the power station's production costs
9 are:

- 10 ▪ size of the production units (in MW) and space available at the power
11 station for additional units;
- 12 ▪ the type of fuel used (heavy or light diesel);
- 13 ▪ location of the power station.

14 Each isolated network is unique in regards to the stated characteristics and implies
15 a different marginal cost. However, in order to develop only one rate, applicable to
16 all autonomous networks and which reflects as accurately as possible the costs that
17 the Distributor will have to incur to supply to the future customers of rate MA, the
18 Distributor must chose the following generic approach:

- 19 ▪ use the marginal cost of the Cap-aux-Meules plant to represent the
20 marginal cost applicable to the power stations operating on heavy diesel;

- 1 ▪ use an average marginal cost, representative of the diversity of situations
2 of power stations operating on light diesel and applicable to all other
3 autonomous networks.⁵²

4 Thus, in the case of a power station operating on heavy diesel, the selected
5 reference unit is one with the same characteristics as the existing units existing in
6 Cap-aux-Meubles' power stations. The investment cost in the order of \$2 M/MW
7 corresponds to that of the addition of a unit of approximately 6 MW.

8 Concerning other networks, the selected reference unit is a unit of 1MW operating
9 on light diesel and whose costs correspond to the average of the costs of the
10 various networks. The investment cost for a unit of 1 MW is between \$2 M and \$7
11 M, depending on whether it is necessary or not to rebuild the power station and
12 according to the location of the network. The average cost increases to \$4.5
13 M/MW.

14 The principal hypothesis for each one of these two types of units are summarized in
15 the table below.

⁵²Although the source of principal energy of the Lake-Robertson is of origin hydraulic, reliability is ensured by groups functioning the light diesel.

**Table 34
Assumptions Used for Calculating Marginal Costs**

Group production	Heavy diesel	Light diesel
Lifespan (years)	20	15
Size (MW)	6	1
Power available (%)	90	90
Investment cost ⁽¹⁾ (k\$/MW)	1,947	4,550

Note 1: In dollars of 2006.

- 1 These investment costs are then translated into annual installments adjusted to
- 2 inflation on the basis of the unit's lifespan, by using Distributor's economic
- 3 parameters⁵³ authorized by the Régie. They constitute the fixed part of the
- 4 marginal costs of production and are presented in Table 35.

- 5 The variable costs associated with these production units consist of fuel cost, and
- 6 maintenance and operational costs.

- 7 Fuel cost for Cap-aux-Meules is based on the costs forecast for year 2006. For the
- 8 reference unit of other networks, the cost of the selected fuel⁵⁴ corresponds to the
- 9 average of the costs forecasted for year 2006 for each power station, weighted
- 10 against the energy produced by them.

- 11 The unit's variable maintenance costs are based on a marginal cost analysis for
- 12 Cap-aux-Meules. This cost was used for the all networks.

⁵³Nominal current rate of 6,97 % and rate of long-term inflation of 2 %.

⁵⁴Let us note that these costs include the transmission and storage of the fuel and are expressed in cents per liter. To obtain the fuel costs in cents per kilowatt-hour, the average output of the units of production are taken into account, as well as the losses and the consumption of the auxiliary services of the power stations.

1 Table 35 presents the fixed and variable marginal costs that will be used to
 2 establish rate MA.

Table 35
Marginal Costs for an Increase in Production Capacity

Increase in production capacity	Heavy diesel	Light diesel
fixed charges (capital assets) ⁽¹⁾	174.63 \$/kW – a year	490.97 \$/kW – a year
Monthly fixed charges ⁽²⁾	14.35 \$/kW – a month	40.35 \$/ kW – a month
Maintenance and operation ⁽³⁾	2.37 ¢/kWh	2.37 ¢/kWh
Cost of fuel ⁽⁴⁾	11.57 ¢/kWh	26.44 ¢/kWh
Variable expenses	13.94 ¢/kWh	28.81 ¢/kWh

Note 1: Increasing annual installment.
 Note 2: For a 30 days monthly period.
 Note 3: Increasing annual installment 2006.
 Note 4: Forecast 2006.

7.6.4 Proposed structure of rate MA

3 Proposed rate MA reflects the production costs⁵⁵ associated with the electricity
 4 service to customers of more than 1,000 kVA located in autonomous networks.
 5 The structure of rate MA is based on the structure of rate M to which a second level
 6 of price for power and a third level for energy are added to reflect the signals of the
 7 marginal costs of production. No change is made to distribution and transmission
 8 costs.

9 Finally, rate MA is calibrated by a monthly use factor of 60% which corresponds to
 10 that observed by all customers of rate M with the maximum power demand lower
 11 than 2,000 kW.

12 The Distributor proposes to reflect the marginal costs in rate MA at the margin of
 13 the limit of 900 kW. The standing fixed costs of production will be recovered by the
 14 bias of the power premium applicable to billable kilowatts exceeding 900 kW. Thus,
 15 to the power premium of rate M are added the fixed costs of an increase in

⁵⁵ Heavy diesel feeds the power station of Cap-aux-Meubles and light diesel - all the other power stations.

1 production capacity, \$14.35/kW for a power station operating on heavy diesel and
2 \$40.35 /kW for a power station operating on light diesel.

3 As for the variable expenses, the Distributor proposes to recover them with a third
4 tier of energy. The threshold of this third tier is fixed to 390,000 kWh per month,
5 which corresponds to the power consumed for a load of 900 kW with a monthly use
6 factor of 60 %. The price of this tier is obtained by replacing rate M price of energy
7 of 2.56 ¢ / kWh with the autonomous networks' variable component of the marginal
8 costs of production, which reflects the type of fuel used. As presented in Table 35,
9 these marginal costs differ clearly according to whether it is electricity produced by
10 a power station operating on heavy diesel (13.94 ¢ / kWh) or light diesel (28.81 ¢ /
11 kWh).

12 So that the price signal can follow the trend of the prices of heavy or light diesel, the
13 "cost of fuel" component will be indexed on October 1 of each year according to
14 market prices.⁵⁶

15 Tables 36 and 37 illustrate the price calculations for the second tier of power and
16 third tier of energy of rate MA when electricity is produced from a power station
17 operating on heavy or light diesel.

⁵⁶This will be done on the basis of the data published in Bloomberg Financial Markets
Commodities News "Oil Buyer' S Guides", such as detailed in Hqd-13, document 4.

**Table 36
Rate Structure of the MA Rate – Heavy Diesel**

Year 2005	Power (\$/kW)		Energy (¢/kWh)		
	1 st block	2 nd block	1 st block	2 nd block	3 rd block
	< = 900 kW	> 900 kW	0 to 210,000 kWh	210,000 to 390 000 kWh	Remainder of energy
Basic components of the M rate	12.60	12.60	3.94	2.56	N/a
Fixed marginal cost	-	14.35	-	-	-
Cost of fuel	-	-	-	-	11.57
Operation and Maintenance	-	-	-	-	2.37
MA Rate	12.60	26.95	3.94	2.56	13.94

- 1 As an indication, in a heavy diesel network, the average unit price for a customer
- 2 with a load of 1,500 kW and use factor of 60 % is 11.78 ¢ / kWh given that he
- 3 benefits from 900 kW and the volume of energy corresponds to the prices of rate M.

**Table 37
Rate Structure of Rate MA – Light Diesel**

Year 2005	Power (\$/kW)		Energy (¢/kWh)		
	1 st block	2 nd block	1 st block	2 nd block	3 rd block
	< = 900 kW	> 900 kW	0 to 210,000 kWh	210,000 to 390,000 kWh	Remainder of energy
Basic components of the M rate	12.60	12.60	3.94	2.56	N/a
Fixed marginal cost	-	40.35	-	-	-
Cost of fuel	-	-	-	-	26.44
Operation and Maintenance	-	-	-	-	2.37
MA Rate	12.60	52.95	3.94	2.56	28.81

1 As an indication, in a light diesel network, the average unit price for a customer with
 2 a load of 1,500 kW and use factor of 60 % is 20.11 ¢ / kWh given that it benefits
 3 from 900 kW and the volume of energy corresponds to the prices of rate. M.

7.7 Domain of Application

4 The new rate MA will apply to subscriptions supplied from autonomous networks
 5 whose maximum power demand exceeds 900 kW. When there is more than one
 6 subscription at the same location that uses electricity in similar ways, the sum of the
 7 maximum power demand is considered in the establishment of the load.

8 It should be reminded that no customers are currently targeted by rate MA. In order
 9 to account for the only customer who exceeds the limit and has a special contract,
 10 the Distributor proposes particular conditions of application for any eventual
 11 increase in load beyond what is specified in the contract.

1 For this customer, rate M will be applied up to the available power specified in the
2 contract and corresponding volume of energy; the surplus will be billed at rate MA.
3 Moreover, the Distributor asks for a thirty months notice before serving the
4 customer in order to allow for planning of the needed procurement.

7.7.1 Modifications of wording

5 The wording of rate MA is presented in document HQD-13, document 4. It should
6 be noted that Article 2 of Section 1 of Conditions of Service will have to be repealed
7 ⁵⁷ for the approval of the Régie of a rate applicable to deliveries exceeding 1,000
8 kVA delivered from an autonomous network. Consequently, provisions of this
9 document will apply henceforth to the extension and modifications of networks for
10 connections of loads exceeding 1,000 kVA delivered from an autonomous network.

7.8 Definition of "autonomous network"

11 The definition of "autonomous network" in the Rates document uniquely targets
12 networks where electricity is produced by power generating units operating on fossil
13 fuels, gas turbines, or wind mills. This definition, adopted in 1982, does not reflect
14 the possibility that the networks can be supported by renewable source of energy
15 like hydraulics. The applicable definition should, like that of Conditions of Service,
16 cover all networks detached from the principal network.

17 It would be appropriate to bring up to date the definition of 1982 and to harmonize
18 the definitions by adopting that of the Conditions of Service, which rests on
19 fundamental characteristic of these networks, that is to say their autonomous
20 character, and avoids any ambiguity that would be brought forth by the use of two
21 different definitions.

⁵⁷See appendix F.

8 PROPOSED RATES

8.1 New framework of rates

1 The new rate framework is presented in HQD-13, Document 3.

8.2 Calculation of new prices

2 The structure of a rate consists of several elements grouped into three components:
3 the charge of subscription, power and energy. Each one of these elements are
4 allocated a price expressed in ¢ / day or \$ / month, in \$ / kW and in ¢ / kWh to
5 which apply certain constraints to meet customers' need in simplicity. The two main
6 constraints determined by the Distributor are as follows:

- 7 ▪ prices are limited to two decimals.⁵⁸ Among others, prices for energy (¢ /
8 kWh) and power (\$/kW) are limited to two digits after the decimal point;
- 9 ▪ applicable prices on a monthly or weekly basis must be divisible by the
10 corresponding number of days in order to ensure service invoicing for a
11 different number of days.

12 The increase in rates consists of:

- 13 ▪ modification of price of the components according to the reserved
14 parameters;
- 15 ▪ adjustment of prices so that they comply with the constraints mentioned
16 previously;
- 17 ▪ ensuring that the final result, that is all rates of the same category of
18 consumers, generate additional revenues equivalent to the proposed rate
19 increase.

⁵⁸Except the supply credits.

1 For each rate category, the elements of the affected rates have been modified
2 according to this procedure.

3 It should be emphasized that the Distributor carries out, if necessary, specific
4 adjustments that permit to ensure continuity between the rates. As an example, the
5 power premium of rate G-9 can only be increased by steps of 0.03 \$/kW due to the
6 requirement of being divisible by 30. However, this premium must be adjusted
7 according to the evolution of the M rate ⁵⁹ power premium, whose increase is 2.1
8 %. The premium of rate G-9 could thus be increased to \$3.75 /kW, which is an
9 increase of 1.6 %, or to \$3.78 /kW, which represents an increase of 2.4 %. The
10 selected option was to bring the premium to \$3.78 /kW, which corresponds to an
11 increase close to that of rate M, although higher. Once this choice is in effect, the
12 Distributor then adjusts the price of energy of rate G-9 to 8.37 ¢ / kWh, which is an
13 increase of 3.2 %, in order to reach an increase of 3 % of the revenues from this
14 category of customers.

9 MODIFICATIONS MADE TO THE RATES DOCUMENT

15 The modifications made to the text Rates document, as well as their justification,
16 are detailed in HQD -13, Document 4. However, considering the efficacy and due to
17 the volume of documents, the rate prices have not been modified in accordance
18 with the framework outlined in Hqd-13, Document 3. They will be, following the
19 decision of the Régie on this application and in accordance with the update of the
20 rates framework that will then be produced.

21 The Rates document initially was the subject of a new numbering system. The
22 objective is to bring stability to the numbering system of a very large amount of
23 items when items or rates are added or withdrawn from the document. The
24 proposed numbering system is based on a sequence

⁵⁹See justification in case R-3541-20 04, Hqd-1, document 3, page 31.

1 that is specific to each chapter. Thus the later modifications that will be made to a
2 rate will not have an impact on the numbering of other chapters or others rates.
3 This modification will minimize the corrections that must be made to the documents
4 used, among others, by the Distributor for internal training. It will also permit to
5 stabilize the reference to the items that are frequently used in references to the
6 items of credits for power supply of medium or high voltage, as well as
7 readjustment for losses from transformation. Appendix G presents the proposed
8 numbering system and its application in the Rates document. Starting from year
9 2006, this document will carry the title of Rates and Conditions of the Distributor, in
10 order to correspond to the name used in the Rates document.

11 Other modifications, of a syntax nature, were also made in order to clarify the text of
12 the respective items.

9.1 Decision D-2004-170

13 Within the framework of Request R-3531-2004, the Distributor requests to repeal
14 rate BT that includes a series of commercial measurements. Decision D-2004-170
15 of the Régie implies two rate options, which will affect the text of the Rates.

9.1.1 Repeal of rate BT

16 The Régie accepted that rate BT be repealed on April 1, 2006. Consequently, the
17 Distributor proposes the withdrawal of sub-sections 1 and 2 from Section 12.

9.1.2 Transitional rate for the uses of photosynthesis

1 The Régie accepted that a transitional rate be offered for the uses of
2 photosynthesis. This rate, in conformity with the calculation method set by the
3 Régie, is presented in Articles 261 to 264 of sub-section of Section XII entitled:
4 "Sub-section 3 – Transitional Rate". Taking into account the repeal of rate BT, it is
5 proposed to transfer sub-section 3 after Section 4 from Chapter 4 with the title
6 "Transition Rate – Photosynthesis" and to preserve only the articles of rate BT
7 necessary for the application of the transitional rate.

9.2 Interpretative provisions

8 In the interpretative provisions chapter, the definition of municipal network is
9 introduced in order to conform to the Régie Act. Moreover, the definitions of
10 housing, rooming house for rent, autonomous network and voltage are modified.

9.3 General rates of low power

11 As for flat rates of low power, the modifications are as follows:

- 12 ▪ The invoiced power threshold changes from 45 to 50 kW and the
13 threshold of the 1st tier changes from 13,200 to 15,100 kWh.
- 14 ▪ Regarding winter activities, retrofitting, cancelled in 1997, is reintroduced
15 so that it is independent of the future rate adjustments.
- 16 ▪ As for rate GD, the text now specifies that the resale of energy to a third
17 party is not allowed, as for rate LD.

9.4 General rates for medium power

1 In the case of general rates for medium power, the modifications are as follows:

- 2 ▪ Introduction in regards to the article on contracted power, a rule
3 specifying that the transition from rate G-9 to rate M must take into
4 account the minimum billable power of the customer at rate G-9.
- 5 ▪ On the level of Article 4.8's wording, a portion of the text is removed in
6 order to ensure a coherence with the Conditions of Service in which
7 refunding is established on the basis of average kW rather than on the
8 maximum power demand.
- 9 ▪ Finally, rate MR is withdrawn given that the Distributor requires its repeal,
10 whereas the interruptible electricity option is added in accordance with
11 the proposal of the Distributor in Request R-3531-2004 regarding the
12 request for repeal of rate BT, as mentioned in Section 6.

9.5 General rates for high power

13 With regard to rates for high power, several modifications are formulated, they are:

- 14 ▪ Reintroduction of the retrofitting of 0.5 % applicable to municipal networks
15 and cancelled in 1997.
- 16 ▪ Withdrawal of rate LC given that the Distributor requires its repeal and
17 adjustment of rate LP consequently.
- 18 ▪ For rate H, introduction of a rule which accounts for the minimum billable
19 power of rate H at the time of transition from rate H to rate L or M.

- 1 ▪ In the case of rate LD, introduction of methods for transitioning rate LD,
2 firm or non-firm option, towards rate L.
- 3 ▪ As for the running in of industrial processes, the title is modified for
4 running in new equipment.
- 5 ▪ The option for payment in American dollars is modified in order to take
6 into account the economic parameters that result from the decisions of
7 the Régie. Moreover, the option accounts for the customer's choice to
8 adhere to other options
- 9 ▪ The request for repeal of rate LR involves its withdrawal from the Rates
10 document as well as reformulation of Article 6.38 of the option of
11 interruptible electricity.
- 12 ▪ As for the interruptible electricity options, the reference to hourly price of
13 consumption during the period of renewal is now that of the option of
14 additional electricity.
- 15 ▪ Addition of the option of additional electricity as mentioned in Section 6.

9.6 Applicable rates for autonomous networks

16 As mentioned in Section 7.6, introduction of rate MA for power demand higher than
17 900 kW for autonomous networks. Moreover, the removal of sub-section 3 to take
18 into account the repeal of rate BT.

9.7 Additional provisions

19 Article 21, supply credit for medium or high voltage, from the Rates document is
20 moved to the chapter on additional provisions following Article 10.2 (304).
21 Moreover, given

1 that there are no customers supplied with voltage higher than 50 kV, the levels of
2 voltage beyond this threshold are withdrawn.

3 The text of the readjustment for losses of transformation, Article 10.4, is
4 reformulated in order to make its application simpler.

9.8 Rate of Visilec service

5 Article 11.6 is reformulated in order to clarify the applicable notice before the
6 service is available and the beginning of the rate application.

**APPENDIX A: Impact of Change of Invoiced
Power Threshold From 45 kW to 50 kW
(Examples of monthly invoices)**

**- RATE G: Impact of the Change of Invoiced Power Threshold From 45 kW to 50 kW
(Examples of monthly invoices)**

	Current Rate G at 45 kW	Rate G at 50 kW
Threshold of power (kW)	45	50
Energy threshold (kWh)	13 200	15 100
Basic Charge (\$/kW)	12.33	12.33
Power (\$/kW)	14.40	14.40
Energy 1st block	7.86	7.86
Energy 2nd block	3.96	3.96
Invoice minimum	36.99	36.99

Use factor	Customer Profile	Invoice with rate G at 45 kw			Invoice with rate G at 50 kw			Variation		
		Energy	Maximum Power Demand	Energy	Power	Total	Energy		Power	Total
		(kWh)	(kW)	(\$)	(\$)	(\$)	(\$)		(\$)	(\$)
Case 1: Customer not invoiced for power (maximum power demand of 45 kW or less)										
Low fuel consumption (less than 13 200 kWh)	N/D	8 000	-	629	-	641	629	-	641	0.0%
High consumption (more than 15 100 kWh)	N/D	17 000	-	1 188	-	1 200	1 262	-	1 274	6.2%
Case 2: Customer who will not be invoiced any more for power (maximum power demand > 45 kW and <=50 kW)										
Low use factor	36%	12 200	47	959	29	1 000	959	-	971	-2.9%
Strong use factor	50%	17 000	47	1 188	29	1 229	1 262	-	1 274	3.7%
Case 3: Customer invoiced for power (maximum power demand of more than 50 kW)										
Very Low use factor	1%	300	55	24	144	180	24	72	108	-40.0%
Low use factor	31%	12 200	55	959	144	1 115	959	72	1 043	-6.5%
High use factor	69%	42 200	85	2 186	576	2 774	2 260	504	2 776	0.1%

APPENDIX B: Historic Prices on Reference DAM Market (NYISO Zone M)

**Historical prices on Reference DAM market
(NYISO Zone M, including exit cost)**

- Average Price in \$US MW/h -

Year	Winter (Peak and Off-peak)	Winter (Peak)	Winter (Peak) 300 hours +	Winter (Peak) 200 hours +	Winter (Peak) 100 hours +
2000	42.23	48.04	76.95	84.28	96.09
2001	43.37	48.88	67.77	72.19	80.94
2002	35.27	38.65	60.47	64.83	71.08
2003	61.75	70.86	106.66	114.45	126.96
2004	59.10	66.01	87.68	93.50	103.64
2005	62.37	68.96	88.76	96.15	110.40
Average	50.68	56.90	81.38	87.57	98.18
Average 2003-2005	61.07	68.61	94.37	101.37	113.67

Note 1: The period of winter refers to the period from 1st January to March 31 and December of the same year.

Note 2: The distinction between peak and off-peak periods does not take public holidays in account.

Note 3: The year 2005 covers only the period from 1st January to March 31.

APPENDIX C: Example of Calculation of Invoice with the Option of Additional Electricity for Large Power Customers

Reference Month							
Period	Days	kW	KVA	kWh	F.U.	F.P.	
Jan-05	31	7 200.0	7 272.0	4 665 600.0	87.1%	99.0%	
Feb-05	28	7 350.0	7 423.5	4 762 800.0	96.4%	99.0%	
March-05	31	7 100.0	7 171.0	4 600 800.0	87.1%	99.0%	
The last 3 months average:	30.0	7 216.7	7 288.8	4 676 400.0	90.0%	99.0%	
Average hourly power:				6 495.0			
				kW			

Detail of calculation							
Period of consumption:	from	to	days	hours			
	2005-07-03	2005-08-04	33	792			
Monthly price of additional electricity:	0.08 \$/kWh						
Consumption of the period:							
Power:	9 328.0 kVA			Power factor:	94.3%		
Power demand:	8 800.0 kW			Use factor:	75.7%		
Contractual demand:	- -						
Consumption of energy:	5 276 808 kWh			unauthorized kWh:	2 000 kWh		
Calculation of the reference components:							
Average Power:	7 288.8 kVA			Hourly average power (a):	6 495.0 kW		
Average Power demand:	7 216.7 kW			Period of consumption (b):	792 hours		
Average maximum power:	7 216.7 kW			Consumption of energy (a x b):	5 144 040 kWh		

a) Reference Invoice for the period							
Power Premium:	7 216.7 kW	X		\$11.520 X	792 / 720		\$91 449.60
Credit of power supply:	7 216.7 kW	X		-\$2.2890X	792 / 720		-\$18 170.85
Readjustment due to losses of transformation:	7 216.7 kW	X		-\$0.1386X	792 / 720		-\$1 100.25
Reference Energy:	5 144 040 kWh	X		\$0.0256			\$131 687.42
Total - Reference Invoice:							\$203 865.93

b) Invoice of additional electricity for the period							
Real energy for the period:	5 276 808 kWh						
Less energy of reference:	5 144 040 kWh						
Additional electricity for the period:	132 768 kWh						
If positive additional electricity			132	768	X 0.0800 \$/kWh		\$10 621.44
If negative additional electricity			0 kWh		X 0.0256 \$/kWh		\$0.00
Total - Invoice of additional electricity:							\$10 621.44

c) Readjustment to account for variation of the power factor							
			Reference			Reality	
Maximum power demand:		(PMArf)	7 216.7 kW			(PMAre)	8 861.6 kW
Real maximum power:		(PMRrf)	7 216.7 kW			(PMRre)	8 800.0 kW
Variation:			0.0 kW				61.6 kW
Effective power price (EPP):	9.09 \$/kW/month						
Total - Premium of readjustment FP:	[(PMAre - PMRre) - (PMArf - PMRrf)] * PEP =						\$616.10

d) Penalty for consumption beyond the reference in unauthorized period							
kWh consumed beyond the reference in unauthorized period:			2 000 kWh	X 0.500 \$/kWh			

Total - Penalty:	\$ 1000.00
Total of the invoice (a+b+c+d)	\$ 216 103.47
Average unit cost:	\$ 0.0410 /kWh

**APPENDIX D: Example of Application of
Credits and Penalties Associated with the
Option of Interruptible Electricity for Medium
Power Customers**

**Illustration of credits calculation applied to one day of interruption
Interruptible electricity option for medium power customers**

Confirmation before 15:00 day before
2 hourly interruptions

Hour of the day	Average hourly power of hours in the month A kW/hour	Real average hourly power B kW/hour	Stopped energy C A - B kW/hour	Hourly credit without surplus D C * 0.07 ¢/kWh \$	Surplus (on the 15 minutes basis) E kW
1		637			
2		647			
3		657			
4		666			
5		676			
6		706			
7	680	421	259	\$18.13	-
8	680	440	240	\$16.80	-
9	680	415	265	\$18.55	-
10	680	425	255	\$17.85	-
11		715			
12		705			
13		711			
14		706			
15		715			
16		706			
17	680	670 *			171
18	680	426	254	\$17.78	-
19	680	420	260	\$18.20	-
20	680	430	250	\$17.50	-
21		706			
22		715			
23		711			
24		706			
	Summon variable appropriations of the day			\$124.81	
Fixed credit	680 kW	475 kW	205 kW	\$1.25 /kW =	\$256.25
Penalty	670 kW	499 kW	171 kW	\$0.25 /kW=	\$42.75

* Reading of 670 kW during a 15 minute period during one hour and considering the basic power for other periods of integration

Source data

Basic power	475	kW
Limit surplus	499	kW
Fixed credit (4 winter months)	1.25	\$/kW
Variable credit	0.07	¢/kWh
Penalty on surplus	0.25	\$/kW

**APPENDIX E: Historic Rates Applicable in
Autonomous Networks North of the 53rd
Parallel**

	Règ.	# 225 *	#290	#321	#346	#383	#403	#429	#453	#480	#499	#499	#569	#586	#586	#618	#642	#658	#663	Jan	April	April	
		Jan	Jan	Jan	Feb	May	May	May	May	May	May	May	May	May	May	May	May	May	May	2004	2004	2005	
		1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998				
Rate components																							
Rate D																							
Subscription Basic Charge	\$/day	0.200	0.230	0.245	0.258	0.266	0.280	0.293	0.304	0.317	0.340	0.362	0.373	0.376	0.377	0.377	0.379	0.385	0.390	0.4017	0.4064	0.4064	
Energy																							
20 first kWh/ day	¢/kWh	2.40	2.70	2.90	3.06	3.15	3.32	3.47	3.60	3.76	4.03	4.31	4.45	4.51	4.54	4.54							
30 first kWh/ day	¢/kWh																						
The remainder of energy	¢/kWh	15.00	15.00	16.00	18.00	18.00	19.00	20.00	21.00	22.00	23.60	25.20	26.00	26.30	26.50	26.50	26.50	26.50	26.50	27.30	27.68	28.07	
Power																							
Surplus of 50 kW in winter	\$/kw	N.A.	0.60	0.66	0.69	0.72	0.75	0.90	1.50	1.60	1.74	1.89	1.98	2.01	2.04	2.04	3.00	3.03	3.06	3.15	3.21	3.96	
Flat rates																							
Disuasive price	¢/kWh	**	**	43.00	45.00	45.00	45.00	45.00	47.00	48.00	51.60	55.20	57.13	57.99	58.57	58.57	58.57	58.57	58.57	60.33	61.18	61.91	

* Regulation 280 amends Regulation 225 in order to introduce a dissuasive rate.

** The distributor stops the electricity delivery.

APPENDIX F: Details of Modifications in the Text of Conditions of Service for Autonomous Networks

Conditions of Service in effect	Revised version	Justification of modification
<p>Chapter I – General provisions</p> <p>Section I – Area of application</p> <p>1. Subject to the provisions of Chapters III and IV, which do not apply to the service of low voltage and medium voltage in the limits specified in Article 32, the present regulatory provisions establish conditions of electricity service for Hydro-Quebec.</p> <p>2. The present regulatory provisions do not apply to electricity service exceeding 1,000 kilovolt amperes in an autonomous network.</p>	<p>Chapter I – General provisions</p> <p>Section I – Area of application</p> <p>1. Subject to the provisions of Chapters III and IV, which do not apply to the service of low voltage and medium voltage in the limits specified in Article 32, the present regulatory provisions establish conditions of electricity service for Hydro-Quebec.</p> <p>2. The present regulatory provisions do not apply to electricity service exceeding 1,000 kilovolt amperes in an autonomous network</p>	<p>Introduction of rate MA to the text of Rates that applies to deliveries of electricity exceeding 1,000 kilovolt-amperes.</p>
<p>42.</p> <p>At the time of initial installation of a connection by Hydro-Quebec, the requestor must pay the connection expenses per the Rates, as well as the cost of a connection part that exceeds 30 meters of conduit measured according to the covered distance, to the advantage of the requestor according to one of the following:</p>	<p>42.</p> <p>At the time of initial installation of a connection by Hydro-Quebec, the requestor must pay the connection expenses per the Rates, as well as the cost of a connection part that exceeds 30 meters of conduit measured according to the covered distance, to the advantage of the requestor according to one of the following:</p>	<p>To allow the temporary electric heating during construction.</p>

<p>1° from the line which separates the private property from public property;</p> <p>2° from the network</p> <p>In the case of an autonomous network located north of the 53rd parallel, if the new connection delivers power to supply buildings or water heating loads, special connection charges under the terms of the first subparagraph are special connection charges for autonomous network specified in the Rates. These charges also apply during a conversion to electricity of space or water heating system.</p> <p>When there is an interruption or work on Hydro-Quebec equipment subsequent to the initial installation of connection, the one who requires or causes this interruption or work, must pay to Hydro-Quebec the cost of this work, except for the cases when the work is required to follow on a defect in connection or Hydro-Quebec</p>	<p>1° from the line which separates the private property from public property;</p> <p>2° from the network</p> <p>In the case of an autonomous network located north of the 53rd parallel, if the new connection delivers power to supply buildings or water heating loads, special connection charges under the terms of the first subparagraph are special connection charges for autonomous network specified in the Rates. These charges also apply during a conversion to electricity of space or water heating system. <u>Special connection charges do not apply when connection feeds the loads of temporary electric heating for drying joints and paint during construction.</u></p> <p>When there is an interruption or work on Hydro-Quebec equipment subsequent to the initial installation of connection, the one who requires or causes this interruption or work, must pay to Hydro-Quebec the cost of this work, except for the cases when the work is required to follow on a defect in connection or Hydro-Quebec</p>	
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<p>network.</p> <p>These costs are calculated in conformance with Article 59</p>	<p>network.</p> <p>These costs are calculated in conformance with Article 59</p>	
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APPENDIX G: Proposed New Classification of Rates and Conditions of the Distributor

In force			Proposal			
Section		No Articles	Chapter	Section	Sub- section	No. Articles
I	Interpretive provisions	1 to 2	1			1.1 and 1.2
II	Residential rates		2			
	Sub-section 1 - General	3 to 6		1		2.1 to 2.4
	Sub-section 2 - D Rate	7 to 16		2		2.5 to 2.14
	Sub-section 3 - DM Rate	17 to 22		3		2.15 to 2.19
	Sub-section 4 - DT Rate	23 to 33		4		2.20 to 2.30
	Sub-section 5 - DH Rate	34 to 39		5		2.31 to 2.36
III	Flat rates for small power		3			
	Sub-section 1 - G Rate	40 to 48		1		3.1 to 3.9
	Sub-section 2 - G-9 Rate	49 to 55		2		3.10 to 3.16
	Sub-section 3 - GD Rate	56 to 60		3		3.17 to 3.21
	Sub-section 4 – Transitional Rate (<i>snow manufacturing</i>)	61 to 62		4		3.22 to 3.23
IV	Flat rates for medium power		4			
	Sub-section 1 - M Rate	63 to 72		1		4.1 to 4.10
	Sub-section 2 - G-9 Rate	73		2		4.11
	Sub-section 3 - GD Rate	74		3		4.12
	Sub-section 4 - Transitional Rate (<i>snow manufacturing</i>)	75 to 80		4		4.13 to 4.18
	Addition: Transitional Rate - Photosynthesis	N.A.		5		4.19 to 4.30
	Sub-section 5 – running in of new equipment	81 to 85		6		4.31 to 4.35
	Sub-section 6 – Running in within the framework of the experimental program of new technologies of heating	86 to 90		7		4.36 to 4.40
V	Repealed: Option for real time rate- Rate MR.	91 to 102	N.A.	N.A.	N.A.	N.A.

In force			Proposal			
Section		No. articles	Chapter	Section	Sub section	No articles
N.A.	Addition: Interruptible option of electricity for customers of medium power	N.A.	4	8		
	Sub-section 1 – General provisions	N.A.			8.1	4.41 to 4.43
	Sub-section 2 – Credits and conditions for application	N.A.			8.2	4.44 to 4.48
VI						
	Flat rates for large power		5			
	Sub-section 1 - Rate L	103 to 114		1		5.1 to 5.12
	Repealed: Sub-section 2 - Rate LC	115 to 130		N.A.	N.A.	N.A.
	Sub-section 3 - Rate LP	131 to 144		7		5.41 to 5.52
	Sub-section 4 - Rate H	145 to 148		2		5.13 to 5.16
	Sub-section 5 - Rate LD	149 to 159		3		5.17 to 5.28
	Sub-section 6 - Rate of transition	160 to 164		4		5.29 to 5.33
	Sub-section 7 - Grinding of new equipment	165 to 169		5		5.34 to 5.38
	Sub-section 8 - Tests of equipment	170 to 171		6		5.39 and 5.40
N.A.						
	Options for large power	N.A.	6			
VII	Load Maintenance Rate			1		
	Sub-section 1 - Industrial customers of large power of the Distributor	172 to 180			1.1	6.1 to 6.9
	Sub-section 2 - Industrial customers of large power of municipalities	181 to 183			1.2	6.10 to 6.12
VIII	Option for payment in American dollars			2		
	Sub-section 1 - Industrial customers of large power of the Distributor	184 to 193			2.1	6.13 to 6.22
	Sub-section 2 - Industrial customers of large power of municipalities	194 to 196			2.2	6.23 to 6.25

In force			Proposal			
Section		No. articles	Chapter	Section	Sub-section	No. articles
IX	Repealed: Option for rate in real time - Rate LR	197 to 210	6	N.A.	N.A.	N.A.
X	Interruptible option for electricity for customers of high power			3		
	Sub-section 1 - General provisions	211 to 213			3.1	6.26 to 6.28
	Sub-section 2 - Credits and conditions for application	214 to 223			3.2	6.29 to 6.38
XI	Option for rate insurance			4		
	Sub-section 1 - New industrial customers of large power of the Distributor	224 to 234			4.1	6.39 to 6.49
	Sub-section 2 - New industrial customers of large power of municipalities	235 to 237			4.2	6.50 to 6.52
	Addition: Option for additional electricity	N.A.		5		
	Sub-section 1 - General provisions	N.A.			5.1	6.53 to 6.57
	Sub-section 2 - Conditions for application	N.A.			5.2	6.58 to 6.64
XII	Repealed: Bi-energy rate		N.A.		N.A.	N.A.
	Sub-section 1 - General	238 to 246		N.A.	N.A.	N.A.
	Sub-section 2 - Rate BT	247 to 260			N.A.	N.A.
	Sub-section 3 – transitional rate	261 to 264	4	5		4.19 to 4.30
XIII	Rates applicable to autonomous networks					
	Sub-section 1 - Residential rates application methods customers of autonomous networks	265 to 267		1		7.1 to 7.3
	Sub-section 2 - General rates Application methods of low and	268 to 269		2		7.4 to 7.7

In force			Proposal			
Section		No articles	Chapter	Section	Under section	No articles
	medium power for the customers of autonomous networks		7			
	Repealed: Sub-section 3 - Bi-energy rate application methods of section XII for customers of autonomous networks	270		N.A.	N.A.	N.A.
XIV	Rates with fixed price for general use	271 to 274	8			8.1 to 8.4
XV	Rates for street lighting		9	1		
	Sub-section 1 - General	275 to 276			1.1	9.1 to 9.2
	Sub-section 2 - General service rate of street lighting	277 to 281			1.2	9.3 to 9.7
	Sub-section 3 - Complete service rate of the of street lighting	282 to 287			1.3	9.8 to 9.13
XVI	Rates for Security lighting	288 to 290		2		9.14 to 9.16
XIX	Additional provisions		10			
	Sub-section 1 - General	303 to 307		1		10.1 to 10.6
	Sub-section 2 - Restrictions	308 to 310		2		10.7 to 10.9
	Sub-section 3 - Invoicing Methods	311		3		10.10
	Sub-section 4 - Provisions relating to the text of rates and conditions of the Distributor	312 to 315		4		10.11 to 10.14
XVIII	Rate for Visilec service	296 to 302	11			11.1 to 11.7
XVII	Expenses related to electricity supply	291 to 295	12			12.1 to 12.5