

**ELECTRICITY PROCUREMENT COSTS TRANSFER
PRINCIPLE FOR
VOLUMES IN EXCESS OF THE HERITAGE ELECTRICITY
SUPPLY**

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1. CONTEXT OF THE REQUEST

1 The Distributor, in the context of the Phase 1 of Request R-3492-2002, filed the
2 principle for the transfer of the costs of supply for the Régie's approval. Through
3 this principle, the Distributor applied for the recognition in the cost of service of
4 the Distributor as well as their transfer, without loss or profit, in the customer's
5 rates, of certain costs out of the direct control of the Distributor along with any
6 variation to them. This principle was introduced to put in place a mechanism
7 allowing the reflection in the Distributor's cost of service, in a simple, fast and
8 effective way, of all unforeseen variations in the cost of supply related to Heritage
9 supply as well the volume of electricity that is in excess of this supply.

10 In its Decision D-2003-93, the Régie considered pertinent the authorization of
11 this principle for the modifications to the costs of the heritage electricity and
12 recognized the possibility, for the Distributor, of recording in a deferred expense
13 account any unforeseen variation, when fixing rates, of the costs of supply of
14 Heritage electricity by category of consumers resulting from an update of the
15 rates of Appendix I by the Régie or the government.

16 In the same decision, the Régie does not take any position regarding
17 the application of this principle beyond the Heritage electricity supply.
18 It is true that, at this point, the Heritage electricity supply was not forecasted to be
19 exceeded for the projected pilot year.

20
21 The most recent forecasts, as shown in Hqd-03, Document 2,
22 indicate that starting in 2005, the full volume of Heritage electricity should be
23 normally attained. At this time, the Distributor will have to ensure at all times
24 the maintenance of the balance between electricity supply and demand and fully
25 assume all the costs and all risks associated with his procurements.

1 The deliveries will be managed in real time and in an integrated fashion
2 without distinguishing the origin of the demand and without any possibility
3 to associate to this demand a contract or a specific price. This type of a dynamic
4 management aims to allow the Distributor to globally optimize its purchases with
5 a view to ensure the lowest supply cost to Quebec's customers.

6 Yet, the requirements along with their real procurement costs are subject to
7 significant forecasting and climatic risks and the financial impacts from any
8 discrepancy in volumes and purchase prices are potentially very high and
9 largely exceed the normal scope of the business risk allowed for a regulated
10 entity.

1.1 The Position of Société en commandite Gaz Métropolitain

11 In Decision D-2003-93, the Régie established a parallel between the business
12 risk of SCGM and that of the Distributor. On this topic, it noted that the
13 Distributor's business risk was lower than that of a comparable gas or electric
14 company¹.

15 However, with respect to procurement, without the adoption of a recognized
16 regulatory mechanism, the Distributor's business risk is far larger than that of
17 SCGM. Indeed, natural gas rates completely reflect the purchasing cost of the
18 molecule. The principle of a quasi-automatic adjustment of the customers'
19 invoices makes it possible to integrate any fluctuation in the price of natural gas
20 on a monthly basis for the volumes they consume. The gas distributor does not
21 have to bear the risk on the volumes of purchased gas. Finally the residual risk
22 associated with the climatic risks is accounted for specifically by the "
23 stabilization account for temperature". Consequently, SCGM never faces a loss
24 or profit from the costs of its procurements in terms of price, since they recover
25 any price variation

¹ Reference: D-2003-93, page 51

1 in the rates, or in terms of volume and climatic risks. For all the potential risks
2 linked to its gas purchases, SCGM therefore possess a series of mechanisms
3 allowing the mitigation of these risks, which is not the case of the Distributor.

4

5 Moreover, it is already established that the procurement costs of the volumes in
6 excess of the Heritage electricity supply will be larger than the cost of Heritage
7 electricity.

1.2 The Position of the Distributor

8 Before elaborating on the specific situation of the Distributor, it is important
9 to briefly point out the basis for the calculation of the procurement cost in
10 projected pilot year 2005:

- 11 • Supply costs are estimated from the forecasts of
12 demand under normal temperature conditions;
- 13 • Total supply costs are obtained by adding the cost of the Heritage
14 electricity supply and cost of the post-Heritage electricity supply
15 established from the best available estimates. In the specific case of
16 year 2005, these costs were calculated for the Heritage portion at
17 2.79 ¢/kWh. For the post-Heritage portion, the cost of supply is based
18 on an estimate of the market price that should be obtained for the
19 short-term demand to be satisfied during the year 2005. The resulting
20 post-Heritage cost is 7.5 ¢/kWh;
- 21 • No provision covering climatic and forecasting risks is included in the
22 procurement costs;
- 23 • Procurement costs for the projected pilot year combining the Heritage
24 and post-Heritage purchases are allocated among consumer
25 categories

1 according to their characteristics of consumption, thus obtaining an
2 average cost of supply per category;

- 3 • This average cost corresponds to the Distributor's revenue for the
4 supply element.

5 However, the Distributor cannot take into account before they are realized, the
6 real time price and volume variations. Thus, in the cases where the actual
7 procurement requirements are higher than forecasted, the Distributor is ensured
8 to pay marginally more than the cost of the Heritage electricity for his purchases
9 in excess of that supply. Especially during peak periods, electricity Distributors
10 will have to fulfill procurement requirements simultaneously on the market,
11 resulting in pressures that will increase the market price. Admittedly, the revenue
12 related to the procurement portion of the tariffs will increase, but they will never
13 absorb the increase in the costs of supply, the first being evaluated on the basis
14 of average revenues anticipated for this component, the latter on the marginal
15 cost.

16 In the reverse case where the actual demand is lower than the forecasted
17 requirements, the Distributor will use all the flexibility offered by its contracts or
18 their price formula, if necessary, to minimize the financial impacts of the
19 reduction in sales. In the best case, the Distributor will be able to avoid a market
20 purchase, thus largely compensating, in a symmetrical way, the loss of revenues
21 associated with the supply. However, in several cases the cost savings may be
22 only partial, since they will be linked to exercising of options to reduce the
23 volumes purchased or the payment of a fixed premium.

24
25 Hence, the financial impact associated with these risks is not symmetrical and
26 vary according to several parameters, like market prices, signed contracts and
27 price formulas.

28

- 1 The result of the preceding paragraphs is to show that there are systematic
- 2 differences between supply costs and revenues, differences due to

1 unpredictable variations in quantities and prices. Contrary to SCGM, the
2 Distributor at this time does not have any mechanism enabling him to mitigate
3 these risks, or desire to adjust the customer's invoices several times during the
4 year.

5 Admittedly the Distributor could have proposed the creation of an annual
6 provision which would allow him to adjust the forecasts to protect against
7 the risk of colder temperature and increased demand. However this
8 solution has not been adopted since it goes against the principle of transferring
9 without loss or profit the actual procurement costs incurred by the Distributor.

10 It is in this regard that the Distributor requests that the transfer principle applies
11 fully to the post-Heritage procurement costs and that Hydro-Quebec Distribution
12 be authorized to establish a regulatory mechanism allowing to recover from its
13 clients the real costs of supply without incurring any loss or profit.

14

15 In the absence of recognition of the principle of transfer of the post-Heritage
16 procurement costs, the Distributor will unduly support any variation between the
17 revenues anticipated to be received for the procurement portion (established on
18 the basis of the average cost) and the real procurement costs (established on the
19 basis of marginal cost).

1.3 Legal and regulatory environment

20 This request fits perfectly in the legal and regulatory environment surrounding the
21 consideration of the costs of electricity procurements exceeding the volume of
22 Heritage electricity.

23 Thus, the Act with respect to the Régie de l'Énergie in article 52.1 recognizes
24 that the procurement costs are an integral component of the Distributor's cost of
25 service. In addition, article 52.2 lays down the methodology to establish the cost

1 of supply. It is specified that the cost of supply is established by adding the cost
2 of the Heritage electricity, the real cost of the procurement contracts for the
3 Quebec markets that exceed Heritage electricity and those of the blocks of
4 energy determined by government regulations. Thus the procurement costs
5 include all the Distributor's transactions to satisfy the requirements of the Quebec
6 market.

2 RISKS ASSOCIATED WITH SUPPLY

7 Beyond the volume of Heritage electricity, it is the responsibility of the Distributor
8 to meet the energy demand of Quebec customers, and that for each hour of the
9 year. To fulfill this obligation, the Distributor must be in position to:

- 10 • maintain at all times the balance between energy supply and demand;
- 11 • face unforeseen requirements caused by the forecast and
12 climatic risks;
- 13 • fulfill any sudden deficit of supply;
- 14 • apply different strategies to manage supplies
15 as contained in the procurement plan in order
16 to match demand for supply at the lowest
17 available cost.

18 For the Distributor, it is a very demanding mandate that implies high levels of
19 risks and requires a maximum of flexibility in managing supplies.

2.1 Quantity Risks

1 The Distributor's supply requirements are established on the basis of
2 forecasted demand under normal climatic conditions for the average scenario.
3 These requirements cannot account for climatic and
4 demand risks which, by nature, are unpredictable and in the case of the climatic
5 risk are known only a few hours in advance.

6 The climatic risk is short-term, with an amplitude that varies from one month to
7 another, one year to the other, in one direction (colder temperature)
8 or another (hotter temperature). This risk involves time variations in the demand
9 consumption profile under normal climatic conditions. Pursuant to R-3470-2001,
10 the climatic history of the last 30 years applied to the structure of consumption of
11 2005 shows that the standard deviation of the impact of the climatic risk is
12 1.9 TWh. Further, during the coldest reported winter, the demand
13 could be almost 4 TWh higher than during the average year. Conversely,
14 the hottest reported winter would result in lower demand of approximately
15 4,8 TWh.

16 Such variations, if they occurred, would cause considerable financial impact
17 on the Distributor without the possibility of recovery in the
18 current regulatory environment. On the one hand, these costs cannot be
19 integrated into the Distributor's cost of service for the projected pilot year used for
20 rate making which is based on an average scenario of demand. In addition, there
21 is currently no regulatory mechanism that allow to record these variations as
22 deferred expenses and to recover them from the customers.

23 As an example, table 1 below illustrates a case where the Distributor would have
24 to buy 1.9 TWh more at a price of 7.5 ¢/kWh while the revenues

1 from the supply component were anticipated at 2.79 ¢/kWh. A net loss of 89 M\$
 2 would be associated with this deviation of 1.9 TWh.

3 **Table1**

4 **ILLUSTRATION OF The LOSS OF EARNINGS**

5 **ASSOCIATED with the UNFORESEEN PURCHASES OF 1,9TWh**

Example

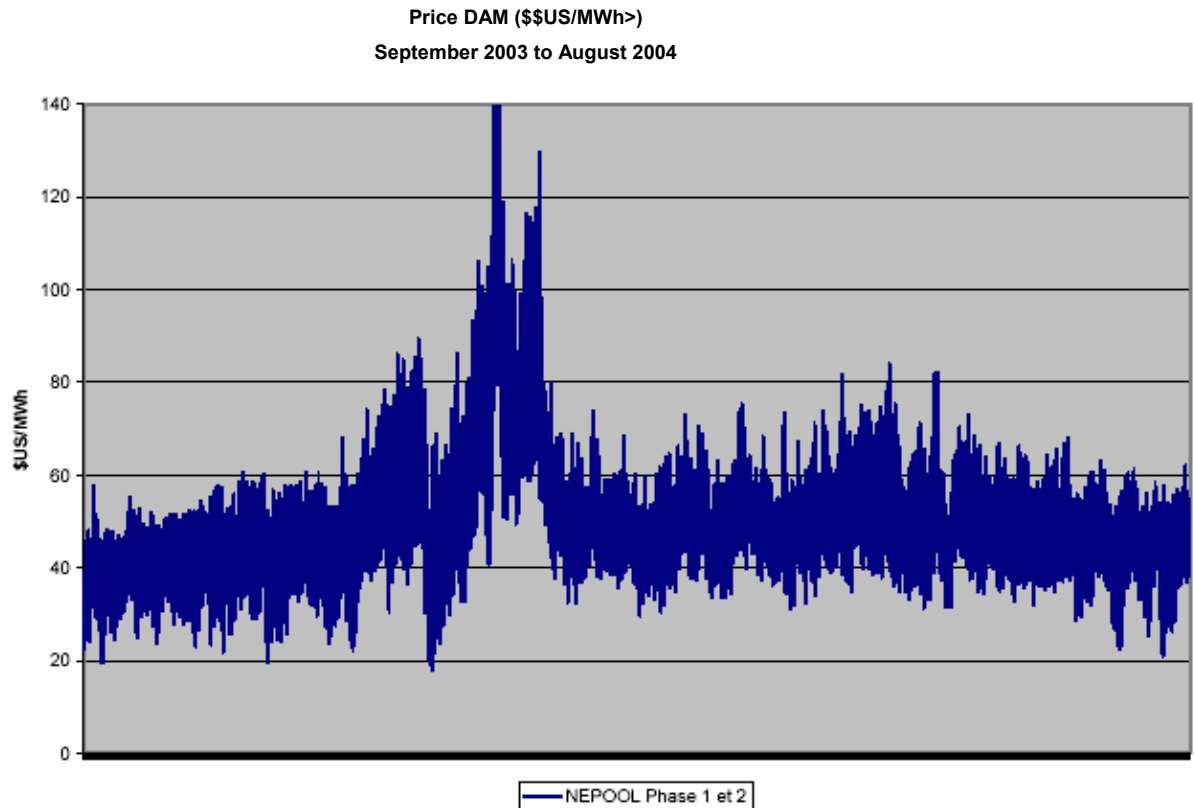
Standard deviation	1.90 TWh
Purchase price of the non-forecasted quantities	7.50 ¢/kWh
Revenues associated with the supply component	2.79 ¢/kWh
Cost of purchase of the additional quantities	142.50 M\$
Anticipated revenue associated to supply	53.01 M\$
Lost profit	89.49 M\$

6
 7 A similar demonstration can be made for any variation of the non-forecasted
 8 demand. Indeed, the scenarios for the average and low forecasted demand of
 9 the year 2005 indicate a variation of +/- 6 TWh from the
 10 forecast for the average demand scenario with a standard deviation of 4,6 TWh.

11 The unpredictability of the quantities and their suddenness cause the Distributor
 12 to simultaneously buy at the marginal cost the additional quantities
 13 of energy in the short term markets when the weather is colder than forecasted
 14 and to use the option of reducing the quantities, for the quantities in excess, if it
 15 gets warmer and if the conditions of the contracts allow it.

2.2 Risks associated with the level and volatility of the prices

16 The prices of electricity in the short-term markets are often very volatile. As an
 17 indication, the large variability of the prices in the NEPOOL market during the
 18 period from September 2004 to August 2004 is illustrated by the following graph:



1

2.3 Specific risks of the long term supply agreements

2 In the case where the Distributor enters into supply agreements
3 approved by the Régie following a tender process, the known elements are
4 primarily the level or the formula for the price, the quantities, the
5 time when the supply is available and the location of the suppliers. These
6 elements are included in the process of preparing the rate case and are
7 integrated in the cost of supply for the projected pilot year.

8

9 Completely unforeseeable uncertainties and residual types of risk remain. Among
10 those are the following:

- 11 • The equipment of the supplier under the contract breaks down. At the
12 time of an equipment breakdown, the energy not supplied will not be

1 paid for by the Distributor. However, the Distributor will have to
2 compensate for this loss

- 3 • through short-term supply, resulting in additional
4 non-forecasted costs. When equipment breakdowns results in the non-
5 respect of performance obligations, the supplier exposes
6 himself to penalties based on the cost of energy in the
7 short term markets;
- 8 • Fluctuations of some price components, such as
9 inflation, fluctuations of the exchange rate when the price is related to
10 a foreign currency, and fluctuations of gas or fuel prices,
11 when the price is established as a function of these
12 energy sources. The principle of including price formulas indexed with
13 different indices was recognized by the Régie in its decision D-2002-
14 169. This recognition must go hand in hand with the introduction of a
15 mechanism for allowing these adjustments to be reflected in the
16 required revenue and the consumers' rates.

17 In the context of the Distributor's supply, it is these costs and
18 Quantities increases or reductions that should be recognized in the
19 principle of the transfer of the supply costs for supply volumes beyond
20 that of the Heritage volume of electricity, neutralized to account for revenue
21 effects.

22

23 These risks, the important monetary stakes and the characteristics related to the
24 Distributor's electricity procurements, make it absolutely necessary that
25 the principle of the transfer of the costs be recognized, given the Distributor's
26 objective simply resides in the just treatment of the costs supported for ensuring
27 the procurement of electricity in Quebec.

3 PROCUREMENTS TARGETED BY THE REQUEST

1 In order to satisfy the demand for electricity beyond the volume of Heritage
2 electricity, the Distributor possesses two main sources
3 of supply :

- 4 • Long-term procurements and the energy blocks determined by the
5 government;
- 6 • Short-term procurements of electricity, including interruptible electricity
7 and the purchases confirmed as part of the framework agreement to
8 be concluded with Hydro-Quebec Production.

3.1 Long-term electricity procurements

9 At the time of the first invitation for long-term tenders launched in February 2002
10 for a block of 1200 MW available as of 2006, the Distributor entered into three
11 long-term procurement agreements:

- 12 • A 20-year contract with Transcanada Energy (TCE) for base² electricity
13 starting on September 2006 for 507 MW and 4.1 TWh/year. The unit
14 cost of this contract in year 2007 amounts to 6 ¢/kWh;
- 15 • A 20-year contract with Hydro-Quebec Production for base electricity
16 of 350 MW and 2.9 TWh/an beginning in March 2007. The unit cost of
17 this contract in 2007 is 5.5 ¢/kWh;
- 18 • A 20-year contract with Hydro-Quebec Production for “cyclable”³
19 electricity starting in March 2007 for 250 MW amounting to
20 2.1TWh/year. In year 2007 the unit cost of this contract
21 is 7,4 ¢/kWh.

^{2 2} Base Electricity: Used to meet the requirements: firm in capacity and energy,
present at almost every hour of the year and not very prone to the risks. Base Electricity is
characterized by a high operating time ratio.

³ “Cyclable” Electricity: Electricity of the flexible type, which makes it possible to follow the daily
cycles of requirements. This type of electricity can be generated by the same equipment as that
for the basic service.

1 Pursuant to the Act, the Distributor had these contracts approved by the Régie
2 (D-2003-159). The average price of the combination of these three contracts,
3 when recognized by the Régie, is 6,1 ¢/kWh, implying a much higher price than
4 the average cost of supply of 2.84 ¢/kWh which is used for rate making. This
5 price is also subject to various index formulas.

6 Other procurement sources must also be considered in
7 meeting the Distributor's long-term demand. These are the energy blocks
8 determined by the government. More specifically, a first block
9 of wind power of 2.5 TWh with delivery scheduled to begin in 2011. In addition,
10 the Distributor entered into two agreements totaling 39.4 MW of
11 electricity produced from biomass with deliveries starting in
12 2008. The first contract is signed with Kruger Inc. for 19 MW including 3 MW
13 delivered on a monthly basis and the second one is with Bowater Forestry
14 Products of Canada Inc. for 20.4 MW including 3.4 MW delivered on a monthly
15 basis. The price of these two contracts over 20 years is 6.7 ¢/kWh. Like the long-
16 term contracts, these contracts include index mechanisms and indices. These
17 contracts were approved by the Régie in its decision D-2004-115.

18 Considering that all the long-term electricity procurements will start after the year
19 2005, the discrepancies on these procurements will be reflected in the account to
20 be created, at the proper time.

3.2 Short term supply of electricity

1 Hydro-Quebec Distribution has four major short-term electricity procurement
2 types that it intends to manage in a dynamic way according to the prices of these
3 different sources, the requirements to be met and any other business operational
4 constraints to be taken into account in real time:

- 5 • Short-term electricity procurement through tender: this category
6 includes the tenders for requirements covering from 3 months to one
7 year;
- 8 • Short term electricity procurements without tender: this category
9 represents the procurement agreements of less than three months for
10 which the Distributor requested the Régie to be exempted from the
11 tender process (request R-3539-2004);
- 12 • Procurements sourced through interruptible electricity option used to
13 increase flexibility in managing unpredicted peak load demands, an
14 option the Distributor requested the Régie to renew (request R-3538-
15 2004);
- 16 • And the framework agreement with Hydro-Quebec Production
17 (currently in negotiation).

3.2.1 Short-term electricity procurements through tender

18 In general, between the launching of a long-term tender and the first delivery, it
19 takes approximately 66 months. The Distributor must therefore envisage tenders
20 for short-term supply if additional requirements are foreseen within this delay.
21 These tenders cover various horizons and can be launched at various times in
22 the course of a year. The Distributor launched the first tender for short-term
23 supply in May 2004 for a total capacity of 250 MW and 2.2 TWh/year deliverable
24 during the period from January 1 to December 31,

1 2005. An examination of the offers received reveals that the closing price in
2 American dollars is of 5.7 ¢US/kWh, which is approximately 7.5 ¢CDN/kWh (on
3 the basis of the average exchange rate forecasted for 2005). To meet the
4 demand forecasted for 2005, the Distributor will launch new tenders for short-
5 term supply by the end of the year 2005.

6 The Distributor being unable to predict the final price of these new tenders,
7 the projected procurement cost was evaluated on the basis of the recently
8 granted short-term contract and the prices on the one-year forward market.
9 Considering these various prices, the Distributor evaluates that the price of
10 7.5 ¢Can/kWh should be the average price to meet all the requirements for short-
11 term supply for the year 2005. However, any discrepancy relating to the
12 fluctuation of the components inherent in this contract or any other contract to be
13 signed subsequently cannot be foreseen at this point. Through the
14 principle of transfers of the costs of electricity procurements, the Distributor aims
15 to recover the discrepancies of all sources (price, exchange rate and
16 quantities). Within the framework of HQD-5, Document 6, the Distributor
17 proposes a treatment of the exchange rate risk. However, even active
18 management of the exchange rate risk cannot avoid fluctuations of the exchange
19 rate affecting the real cost of electricity procurements.

3.2.2 Short term electricity procurements without tender

20 Beyond the requirements identified several months in advance,
21 imbalances can result between the short-term supply and demand. These
22 imbalances come in part from the variation of demand arising from climatic risk or
23 the difference between the forecasted and the real demand and partly from the
24 contracted suppliers' faults caused, for example, by equipment breakdowns. In
25 order to face these possibilities, the Distributor must complement the sources
26 identified above with very short-term electricity procurements (less than 3
27 months) as

1 the requirements arise. For this procurement category, the Distributor started a
2 process with the Régie to receive an exemption from the tender process in these
3 specific cases (Request R 3539-2004).

4 The quantities and the prices associated with this electricity supply present a
5 very high level of unpredictability. For this reason, the Distributor requires that
6 the totality of the extra costs be recognized in the principle of transfer of
7 the electricity procurement costs. In all cases, only the net costs of the revenue
8 effects anticipated from the supply will be considered.

3.3 Interruptible electricity option

9 To obtain a certain flexibility in the management of unpredicted peak load
10 demands and of the energy requirement, the Distributor proposed an interruptible
11 electricity option offered to large consumers. The Régie approved this option on
12 December 3, 2003. In Request R-3538-2004, currently under examination, the
13 Distributor requests that this option be prolonged for a two year period going from
14 December 1, 2004 to November 30, 2006.

15 This option allows the release of capacity and energy through
16 the interruption of the consumption of large industrial customers for a
17 period of three to five hours. The payment for the interruptions to the customers
18 is a function of number of megawatt/hours interrupted.

19 In its decision D-2003-224 relating to this option, the Régie authorized the
20 Distributor to charge the costs associated with this option in a deferred expense
21 account. This account is the subject amongst other things of a request for
22 renewal of the interruptible electricity option (R-3538-2004).

23 The Distributor reiterates that the risk of extreme climatic conditions cannot be
24 predicted and that the costs associated with the interruptible electricity option
25 should be, as a matter of principle, recognized and recovered in its rates.

1 Considering that interruptible electricity is used to meet Quebec's needs, no loss
2 of revenues is associated with this option.

3.4 Framework Agreement with Hydro-Quebec Production

3 The framework agreement between Hydro-Quebec Production and Hydro-
4 Quebec Distribution aims to cover the residual needs not fulfilled by other types
5 of procurements. The energy imbalance considered after the fact represents one
6 example where the agreement could apply.

7 The Distributor will file with the Régie, in due time, this agreement for its
8 approval.

9 The use of this framework agreement by the Distributor will be completely
10 unpredictable, it therefore foresees to request the Régie to recognize these costs
11 and to recover them in the rates.

4 OBJECTIVES AND METHODS

4.1 Summary of the request

12 In summary, the Distributor seeks in the current request that the whole set of
13 variations of all nature in the costs of electricity procurements be recognized and
14 recovered within the rates. Variations associated with short-term or long-term
15 contracts, with or without tender, the recourse to the interruptible electricity option
16 and the framework agreement, even if the certain variations are not yet tangible
17 since they will arise only in the relatively distant future, are targeted by this
18 request. Discrepancies due to the variations in quantities and the various price
19 components, including the exchange rate, are also covered by the request.

1 There is a real risk of under or over billing that militates in favor of
2 introducing the principle of "pass on" for the supply and which exposes the
3 Distributor to a business risk that cannot be compared to that of SCGM,
4 notably due to a structural discrepancy between the costs of electricity
5 procurements and the revenues from that supply and in the absence of a
6 mechanism of monthly adjustment like that available to SCGM.

4.2 Objectives

7 Hydro-Quebec Distribution pursues several objectives in this
8 request:

- 9 1. To achieve the recognition for the principle of transfer of electricity
10 supply costs beyond the volume of Heritage electricity, without loss or
11 profit;
- 12 2. To be allowed to recover the additional costs of electricity
13 procurement;
- 14 3. To transfer the net costs of electricity procurement of the revenues in
15 the cost of service of the Distributor and in the consumers' rates;
- 16 4. To be allowed to put in place a simple, fast and effective mechanism
17 for allowing the transfer of non- forecasted net costs of electricity
18 procurements to the cost of service of the Distributor and to recover
19 them via the customers' rates.

4.3 Calculation of the net discrepancies

1 The calculation of the net discrepancies includes the following three main steps:

4.3.1 Calculation of the discrepancies in the cost of electricity procurement

2 Discrepancies of all nature, as previously stated, like
3 long-term and short-term procurements, with or without tender,
4 the recourse to the interruptible electricity option or the framework agreement, in
5 volume and in price between the projected costs of electricity procurement for the
6 pilot year and the actual costs, will be accounted for in only one account.

7 On the whole, for a given actual year, the share of the discrepancies attributed to
8 variations (upward or downward) in volume as well as those attributed to
9 variations in price (upward or downward) will be distinguished for each
10 component of the discrepancy.

11 To allow the Régie to follow the evolution within a given year of the costs of
12 supply associated with the non-forecasted short term purchases of less than
13 three months, the Distributor commits itself to transmitting to the latter on a
14 regular basis all the information relating to any short-term purchase on the
15 markets. Those information include the price, the quantities and the suppliers.

16 In addition to the information within a given year, the Distributor also proposes,
17 for all the components of the costs of electricity supply of a given year, to provide
18 the Régie with an annual statement identifying the discrepancies between the
19 signed contracts and the extra costs not forecasted at the time when the rate
20 case was filed.

4.3.2 Calculation of the revenue discrepancies

21 Although the invoicing of Hydro-Quebec is integrated and does not allow a
22 direct measurement of the portion of the revenues received from supply,

1 the application of the cost allocation methodology by consumer category
2 approved by the Régie in its Decision D-2003-93 will allow the measurement of
3 the relevant discrepancies. The average unit cost of supply for
4 all consumer categories will be used to calculate the amounts
5 associated with the recovery of the procurement costs. On the basis of the
6 principle that the rates allow to fully recover the costs, the average cost of supply
7 corresponds to the portion for the supply of the rates in force.

8
9 The revenue discrepancies will be equal to the product of the upward or
10 downward variations in volume identified during the calculation of the
11 discrepancies in procurement costs in 4.3.1, by the average supply cost. These
12 revenue discrepancies will also be recorded in the account previously mentioned,
13 counterbalancing the cost variations.

4.3.3 Calculation of the net discrepancies

14 These are the net discrepancies of the revenue portion collected for the supply
15 that the Distributor seeks the Régie to recognize. The net discrepancies
16 will be obtained from the difference between the variations of procurement costs
17 and the revenue discrepancies.

4.4 Methods of transfer of the costs beyond the Heritage electricity

18 The establishment of the methods of transfer must include the following
19 contextual elements:

- 20 • the calculation of the discrepancies occurring during a given pilot year
21 (for example: projected costs for the year 2005) will be done on the
22 basis of the real cost of procurements incurred that year (real costs for
23 2005);
- 24 • taking into account the flexibility offered in the management of the
25 Heritage decree, we will not be able to get precise and final results
26 within a year before

1 December 31 of the actual year (2005), meaning after the filing of the rate
2 case of the following year (2006).

3 Consequently, the following methods of transfer are suggested :

- 4 • That the total upward or downward net discrepancies be reflected
5 **completely** in a subsequent rate case;
- 6 • for the moment, two options of integrating these variations are
7 considered:

8 **Option 1:**

- 9 • In this option, the calculation of the total net discrepancies will be done
10 on the basis of the real data over 12 months obtained over the period
11 from January 1 to December 31. In this option, the discrepancies will
12 be integrated in the rate case of the second subsequent filing.

13 **Option 2:**

- 14 • According to the second option, the calculation of the total net
15 discrepancies will be done on the basis of two readings:
 - 16 ○ A first reading, at mid-year, of real net discrepancies in which
17 would be identified the actual net discrepancies in the long-term
18 and short-term procurement costs, with or without tender except
19 for those associated to the framework agreement. The
20 discrepancies associated with this first reading will be integrated
21 in the subsequent rate case.
 - 22 ○ The second reading will be carried out at the end of the year
23 and cover the net discrepancies associated with the second part
24 of the year, with the framework agreement as well as any
25 adjustment which would be required with respect to the first
26 reading, if necessary. These discrepancies will be integrated in
27 the rate case of the second subsequent filing.

- 1 • At the time of any request to recognize the discrepancies in the
2 required revenue of the Distributor, he will file with the Régie all the
3 supporting materials for the analysis of the request;
4 • If there is no rate case filed every year, the Distributor could cumulate
5 the extra costs of electricity procurement over one or more years.

4.5 Accounting treatment

6 In terms of accounting, it is proposed to create a deferred expenses account
7 where the net discrepancies of electricity procurements would be recorded
8 together with all the discrepancy sources identified previously.

9 The Distributor proposes the integral transfer to this account, of the deferred
10 expenses account already existing for the interruptible electricity option for which
11 the Distributor requested the renewal, considering that there is no revenue
12 discrepancy on the recovered portion that is attributable to him.

13 The following elements will be entered in this deferred expenses account,
14 including, respectively:

- 15 • the net discrepancies previously described, starting at the time when
16 the costs are incurred;
17 • the interest on these amounts, at the average rate of the cost of
18 capital, calculated monthly starting at the time when the net
19 discrepancy is noted till the time of its recovery in the rates of the
20 Distributor as part of a subsequent rate case.

21 From the regulatory point of view, it is the cumulative balance of this account that
22 the Distributor will request the Régie to recognize and integrate in its cost
23 of service and its rates.

4.6 Allocation of the costs among consumer categories

1 The Distributor proposes that the cumulative balance of the deferred expenses
2 account be treated as procurement costs which include the global treatment
3 of the costs of the Heritage and post-Heritage supply. The
4 allocation of the procurement costs among the different categories of
5 consumers will be done according to the method recognized by the Régie in its
6 decision D-2003-93 by adding the product of the volumes of each
7 category to the costs allocated respectively to these categories.

8 In short, Hydro-Quebec Distribution intends that the Régie, during the case
9 relating to the establishment of the Distributor's cost of the services for the year
10 2005, decides on the following:

- 11 1. recognition of the principle allowing the Distributor to reflect the
12 costs of electricity procurement beyond the volume of the Heritage
13 electricity without loss or profit in the cost of service;
- 14 2. recognition of the net cost discrepancies for contracted volumes
15 following a tender procedure and the net costs of non-forecasted
16 volumes as well as the rate impacts in which they result according
17 to the methods discussed in this document;
- 18 3. the authorization to create a deferred expenses account in which
19 would be collected the whole net discrepancies of procurements,
20 including the balance of the account carried for the interruptible
21 electricity option, bearing interest at the average rate of the cost of
22 capital;
- 23 4. the authorization to reflect the balance of this deferred expenses
24 account in a subsequent rate case.