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October 1, 2012

Ontario Energy Board
2300 Yonge Street
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**Attention: Ms Kirsten Walli
Board Secretary**

Dear Ms. Walli:

**Re: Hydro One Networks Inc.
Change to Electricity Transmission Revenue Requirement and Rates
HQ Energy Marketing Inc. ("HQEM") Evidence
Board File No: EB-2012-0031**

Please find attached Intervenor evidence prepared by Elenchus Research Associates Inc. for HQ Energy Marketing Inc. in connection with the above-noted proceeding.

Sincerely,

signed in the original

George Vegh

- c. Mr. Matthieu Plante, Hydro Québec
- Mr. Yannick Vennes, Hydro Québec
- Mr. Michael Roger, Elenchus
- Mr. D.H. Rogers, Q.C., Counsel to the Applicant (e-mail)
- Mr. Pasquale Catalano, Regulatory Affairs, Hydro One Networks (e-mail)
- All Interested Parties (e-mail)

**Proceeding EB-2012-0031
Hydro One Transmission
2013-2014 Revenue Requirement**

Ontario Cost Allocation and Export Tariff Service

**Evidence
Prepared by
Elenchus Research Associates Inc.**

**For
HQ Energy Marketing Inc.**

October 1, 2012



Table of Contents

| | |
|---|----|
| Table of Contents | 1 |
| Executive Summary | 1 |
| 1 Introduction..... | 2 |
| 2 Principles of Cost Allocation | 3 |
| 2.1 Ontario Approach | 3 |
| 2.2 Firm and Interruptible Customers..... | 6 |
| 2.3 Cost Allocation Methodology..... | 6 |
| 2.4 Ontario Natural Gas Utility Cost Allocation Methodology | 7 |
| 2.5 Ontario Energy Board Approved Interruptible Natural Gas Services..... | 8 |
| 2.5.1 Union Gas Limited’s Cost Allocation | 8 |
| 2.5.2 Enbridge’s Cost Allocation | 10 |
| 3 CRA Study Options Evaluations | 11 |
| 3.1 Criteria for Establishing The ETS Tariff | 11 |
| 3.2 Examples of Interruptible Rates | 12 |
| 3.2.1 Electricity Interruptible Rates | 12 |
| 4 Observations | 14 |
| 5 Summary of Recommendation | 15 |

EXECUTIVE SUMMARY

1

2 This report reflects our views with respect to how the Ontario Energy Board (“OEB”)
3 should be setting the Export Transmission Service (“ETS”) tariff in Ontario. In our
4 opinion, the ETS tariff should be established applying the same cost causality principles
5 that the OEB applies in setting the other rates it approves.

6 Charles Rivers Associates’ (“CRA”) report filed by the Independent Electricity System
7 Operator (“IESO”) presents four alternatives for establishing the ETS tariff, in
8 comparison to the status quo. The alternatives presented have not been evaluated
9 giving cost causality more weight than the other criteria used by CRA. To this date, the
10 IESO has not recommended a preferred alternative.

1 1 INTRODUCTION

2 HQ Energy Marketing Inc. (“HQEM”) has retained Elenchus in order to assist the
3 Ontario Energy Board (“OEB”) in the Hydro One Transmission application on its 2013
4 and 2014 Revenue Requirement, proceeding EB-2012-0031, by presenting expert
5 opinion evidence on the topic of the Export Transmission Service (“ETS”) tariff. In this
6 proceeding, the Independent Electricity System Operator (“IESO”) has filed a Charles
7 River Associates (“CRA”) study of various ETS tariffs options for Ontario. The CRA
8 study presents results regarding four alternatives and the status quo, without
9 recommending a preferred option. Similarly, to this date, the IESO has not indicated a
10 preferred alternative.

11 This report includes our assessment and recommendations with respect to how the ETS
12 tariff should be set by the OEB based on accepted cost causality principles.

13 The evidence presented in this report is divided into 4 main sections. Section 2
14 describes cost causality principles and how these principles are used in the utility
15 industry, section 3 describes how the same cost causality principles could be applied in
16 establishing the ETS tariff, section 4 provides our observations and section 5 lists our
17 conclusions and recommendations.

18 John Todd and Michael Roger have been experts dealing with cost allocation, rate
19 design and rate regulation issues for over 30 years. Mr. Todd testified before many
20 regulatory agencies throughout Canada on cost allocation and rate design issues, which
21 are similar to the issue being reviewed at this Proceeding in establishing the appropriate
22 ETS tariff in Ontario. Mr. Roger worked for over 32 years at Ontario Hydro, Ontario
23 Power Generation and Hydro One and spent most of his career dealing with Cost
24 Allocation and Rate Design issues for wholesale and retail customers in Ontario. He has
25 also testified on numerous occasions at OEB proceedings.

1 **2 PRINCIPLES OF COST ALLOCATION**

2 **2.1 ONTARIO APPROACH**

3 The OEB regulates the electricity sector in Ontario. Ontario Power Generation, all
4 transmission and distribution companies operating in Ontario, the Ontario Power
5 Authority (“OPA”) and the IESO are required to submit to the OEB their respective
6 revenue requirements in order for the OEB to approve their operating costs and for
7 those organisations to recover these costs through unbundled electricity rates, in a just
8 and reasonable manner from Ontario electricity customers.

9 The OEB also regulates the natural gas sector in Ontario. Union Gas Limited, Enbridge
10 Gas Distribution Inc. and Natural Resource Gas Limited are the regulated natural gas
11 distribution companies operating in Ontario. They are required to submit their revenue
12 requirements for approval by the OEB to recover their operating and capital costs
13 through bundled and unbundled natural gas rates in a just and reasonable manner from
14 Ontario natural gas customers. The OEB also approves all major natural gas facility
15 projects including the manner in which the cost of the proposed facilities will be
16 recovered from customers.

17 There are widely accepted principles that provide guidance to regulators in determining
18 rates that are just and reasonable. These are often referred to as Generally Accepted
19 Regulatory Principles (“GARP”). The seminal work of James C. Bonbright, which sets
20 out ten “attributes of a sound rate structure”¹, is a primary reference used by regulators
21 and regulatory experts in identifying the key ratemaking principles. Although the broad
22 principles have been restated over the years in many different ways in the literature on
23 economic regulation² the basic concepts remain at the heart of economic regulation.

¹ Bonbright, James C., Albert L. Danielson and David R. Kamerschen, (1988) Principles of Public Utility Rates (Second Edition), Public Utilities Reports, Inc., pages 383-384.

² A particularly thorough and relatively recent restatement of the Bonbright principles made by a regulator appears in Newfoundland and Labrador Board of Commissioners of Public Utilities, in the

1 We note that the OEB has explicitly endorsed a version of the Bonbright Principles, as
 2 stated in the Staff Discussion Paper for Rate Design for Recovery of Electricity
 3 Distribution Costs³.

4 *The Board identified three rate design principles for the purposes of this process.*
 5 *These principles encompass all of the “Bonbright attributes of a sound rate*
 6 *structures” identified in the March 2007 Staff Discussion Paper:*

- 7 1. full cost recovery;
- 8 2. fairness; and
- 9 3. efficiency.

10 In our opinion, the Generally Accepted Regulatory Principles used as a touchstone for
 11 determining just and reasonable rates for transmitters and distributors are equally
 12 relevant for setting the ETS tariff in Ontario.

13 Cost allocation is an important step in the overall rate making process and it is guided
 14 by the aforementioned Bonbright Principles. The most essential element of these
 15 principles is that costs should be allocated to customer classes in a manner that reflects
 16 cost causality. The importance of this approach within the OEB’s regulatory regime was
 17 clearly stated in the Report of the Board EB-2007-0667.

18 *The establishment of specific revenue requirements through cost causality*
 19 *determinations is a fundamental rate-making principle. Cost allocation is key to*
 20 *implementing that principle. Cost allocation policies reasonably allocate the costs of*
 21 *providing service to various classes of consumers and, as such, provide an*
 22 *important reference for establishing rates that are just and reasonable.*⁴

23 With respect to interruptible rates, Bonbright’s book on page 402 “Interruptible Rates
 24 Considered” states that: “The company might also instigate lower charges for
 25 interruptible sales”, (emphasis added) and on page 403 it continues and states
 26 that: “...interruptible power may be curtailed or interrupted if conditions arise that are
 27 burdensome to the supplier. In short, the interruptible customer is buying lower quality

Matter of an Application by Newfoundland and Labrador Hydro for a General Rate Review, Decision and Order of the Board, Order No. P.U. 7 (2002-2003), June 7, 2002, pages 28-29.

³ Ontario Energy Board, Staff Discussion Paper, Rate Design for Recovery of Electricity Distribution Costs, EB-2007-0031, March 31, 2008 (revised June 6, 2008).

⁴ Ontario Energy Board, Report of the Board, Application of Cost Allocation for Electricity Distributors, EB-2007-0667, November 28, 2007.

1 service that a cost incurrence philosophy would deem appropriate for a lower rate.” On
2 the same page, Bonbright states: ”Interruptible customers are charged lower rates since
3 they do not have any demand or capacity costs.”

4 Also with respect to interruptible rates, on page 106⁵ Alfred Khan states that: “In the
5 presence of excess capacity, utility companies ought to make every effort to design
6 rates, down to SRMC (Short Run Marginal Costs), to put it to use.” Khan continues and
7 states that: “Therefore, the essential proviso would have to be attached that the proffer
8 of any such temporarily low rates be accompanied with the warning that service would
9 be interrupted as demand caught up...”.

10 In our opinion, the applicability of the concept of allocating and recovering costs in a
11 manner that reflects cost causality is not limited to electricity distributors; it is a core
12 principle that guides the setting of just and reasonable rates in all applications of
13 economic regulation, including the setting of the ETS tariff. Certainly, the cost causality
14 principle is not the sole determinant of just and reasonable rates; however, significant
15 deviations from this principle should result from an explicit determination of the
16 appropriateness of any departure from pure cost causality. By definition, such departure
17 creates cross-subsidies among customers, which need to be accounted for when
18 balancing relevant rate making principles.

19 Furthermore, in our opinion, it would be inappropriate to establish a charge without first
20 determining the causal costs in play. Those costs would serve as a reference point in
21 determining whether any deviation from strict cost causality is appropriate and
22 necessary, considering other rate making principles or policy considerations. In our
23 opinion, it would be inconsistent with GARP to accept rates as just and reasonable
24 when they embed cross-subsidies that have not been quantified and have not been
25 explicitly recognized and accepted by the regulator.

⁵ The Economics of Regulation: Principles and Institutions, Volume 1, Alfred E. Khan,

1 2.2 FIRM AND INTERRUPTIBLE CUSTOMERS

2 In Ontario, domestic customers and exporters both utilize the transmission system, of
3 which Hydro One Transmission accounts for over 95%. However, as stated in the
4 evidence and in response to interrogatory 23.0-HQ-1, i and ii, electricity exports are not
5 taken into consideration when planning the transmission system. In response to
6 interrogatory 23.0-HQ-2, i and ii, the IESO confirms that when operating the electricity
7 system in Ontario, export transactions are curtailed before non-dispatchable loads in
8 case of emergency. This confirms that exports are *per the IESO market rules* treated
9 as interruptible customers, while domestic loads are treated as firm customers with
10 respect to transmission service.

11 Given that export transactions are treated differently than loads and that exporters use
12 only the excess capacity on the transmission system, based on costs causality
13 principles, the cost allocation methodology used to set the ETS tariff should take into
14 consideration the costs that exporters impose on the transmission system.

15 2.3 COST ALLOCATION METHODOLOGY

16 In order to determine cost based rates, a cost allocation study is performed by a utility to
17 fairly allocate assets and expenses to the customer groups served by the utility.
18 Traditionally three steps are followed in a cost allocation study: Functionalization,
19 Categorization or Classification, and Allocation.

20 **Functionalization** of assets and expenses is the process of grouping assets and
21 expenses of a similar nature, for example, generation, transmission, distribution,
22 customer service, meter reading, etc. Hence, as a first step in a cost allocation study,
23 each account in the utility's system of accounts is functionalized. That is, the function(s)
24 served by the assets or expenses contained in each account is identified so that the
25 costs can be attributed appropriately to the identified functions.

26 **Categorization or Classification** is the process by which the functionalized assets and
27 expenses are classified as demand, energy and/or customer related. Hence, the costs

1 associated with each function are attributed to these categories based on the principle
2 that the quantum of costs is reflective of the quantum of system demand, energy
3 throughput or the number of customers.

4 **Allocation**, which is the final step, is the process of attributing the demand, energy and
5 customer related assets and expenses to the customer classes being served by the
6 utility. This allocation is accomplished by identifying allocators related to demand,
7 energy, or customer counts that are reflective of the relationship between different
8 measures of these cost drivers and the costs that are deemed to be caused by each
9 customer class. For example, if the necessary investment in a particular class of asset
10 (e.g., certain transmission lines) is caused strictly by the single peak in annual demand,
11 then the relevant costs would be allocated using the 1-coincident peak (1-CP) method.

12 It is in this third step that customers are grouped based on common characteristics, or
13 utility asset utilization reflecting cost causality. Firm customers would be in a different
14 classification than interruptible customers.

15 Firm customers would get allocated the costs they impose on the utility including
16 transmission costs. On the other hand, interruptible customers would not get allocated
17 all transmission costs to the extent that interruptible customers do not impose these
18 costs on the utility. Finally, if there are identifiable variable costs that interruptible
19 customers impose on utilities, these costs would be reflected in the setting of
20 interruptible rates.

21 **2.4 ONTARIO NATURAL GAS UTILITY COST ALLOCATION METHODOLOGY**

22 In Ontario most natural gas interruptible customers supply their own gas for storage,
23 balancing, fuel and redelivery to the customer's facilities.

24 Following the cost allocation methodology used by the OEB to regulate Ontario Natural
25 Gas utilities, firm customers are allocated the costs they impose on the utility including
26 distribution, storage, commodity and transmission costs. On the other hand,
27 interruptible customers are not allocated all distribution, storage, commodity and

1 transmission costs, to the extent that interruptible customers do not impose all of these
2 costs on the utility. If there are identifiable variable costs that interruptible customers
3 impose on utilities, these costs are reflected in the setting of interruptible rates.

4 **2.5 ONTARIO ENERGY BOARD APPROVED INTERRUPTIBLE NATURAL GAS**
5 **SERVICES**

6 Natural gas service in Ontario is provided to over 3.35 million customers. Almost all
7 Ontario natural gas customers use firm service. Large contract customers who have the
8 capability to maintain operations during gas service curtailments are provided the option
9 of contracting for interruptible natural gas service. Only a small number of customers
10 contract for interruptible service. Interruptible gas services are provided at a lower rate
11 than the equivalent firm service. The interruptible rate design is based on the customer
12 agreeing to be curtailed during peak periods upon terms and conditions contained within
13 the interruptible contract. This allows for the gas system to be designed to meet a lower
14 peak day capacity thereby avoiding capital costs associated with a system that would
15 be designed to meet the full peak day design had all customers' peak requirements
16 been firm. This higher peak day firm design would likely only be used a few days each
17 year. By designing the system to meet only the lower firm design day requirements all
18 utility customers benefit from the reduced capital cost and a more efficient system than
19 if all customers were served on a firm basis.

20 The OEB has approved bundled and unbundled interruptible rates for these large
21 contract customers utilizing traditional cost allocation methods.

22 **2.5.1 UNION GAS LIMITED'S COST ALLOCATION**

23 The OEB has approved the following cost allocation methodology for Union's
24 interruptible services:

- 1 a) Functionalization: Union uses four functions generally accepted as necessary to
 2 obtain and move gas to market: purchase and production of gas, storage,
 3 transmission, and distribution.
- 4 b) Classification: Demand-related costs (or capacity-related) are costs that vary with
 5 peak day usage of the system. Commodity-related costs are costs that are
 6 typically variable in nature and vary with the level of gas consumed. Customer-
 7 related costs are costs that are incurred by virtue of a customer taking service
 8 and do not vary with either peak day demand or consumption, and
- 9 c) Allocation: Allocation factors that reflect the underlying cause of cost incurrence
 10 are used in the allocation process. Demand-related costs are allocated using the
 11 peak day demands of each rate class. Commodity-related costs are allocated
 12 based on rate class consumption. Customer-related costs are allocated based on
 13 the number of customers in a rate class.

14 The allocation of distribution demand costs to customers in Union South is based on the
 15 design day demand of firm and interruptible customers served by distribution facilities,
 16 excluding customers served directly off transmission lines. Distribution demand costs
 17 are allocated to the rate classes in the North area using system peak day demand and
 18 system peak and average day demand.

19 Table 1 below shows a comparison between Union Gas's current firm delivery tariffs
 20 and interruptible tariffs. These tariffs are for transportation service only. Interruptible
 21 tariffs are between 41% and 66% lower than firm tariffs.

1

Table 1

| COMPARISON OF UNION GAS LIMITED FIRM AND INTERRUPTIBLE RATES | | | |
|---|---|--|--|
| Delivery Rates | Current Rate (cents/m³) | Firm Rate Minus Interruptible (cents/m³) | Interruptible Discount From Firm Rate (%) |
| Union South | | | |
| Firm Contract Commercial / Industrial M5 (F) | 2.7592 | | |
| Interruptible Contract Commercial / Industrial M5 (I) | 1.6298 | 1.1294 | 40.9 |
| Firm Special Large Volume Contract M7 (F) | 2.7417 | | |
| Interruptible Special Large Volume Contract M7 (I) | 0.9551 | 1.7866 | 65.2 |
| Union North and East | | | |
| Large Volume Firm Rate 10 | 5.2606 | | |
| Large Volume Interruptible 25 | 1.8052 | 3.4554 | 65.7 |

Data Source: EB-2011-0210, Exhibit H3, Tab 1, Schedule 3, Page 2 of 2, Filed: 2011-11-23

2 **2.5.2 ENBRIDGE'S COST ALLOCATION**

3 Enbridge uses a very similar approach to Union's for allocating costs to its interruptible
 4 rate classes. Enbridge also uses the three-step process to functionalize (Gas Supply,
 5 Storage, Sales Pressure Regulators, Distribution Pressure Regulators, Services, Mains,
 6 Meters, Rental Equipment, Sales/Marketing, Customer Accounting and Unidentifiable),
 7 classify (The costs are classified into three cost groups based on whether costs vary
 8 with commodity (i.e. – volumes), capacity, or other customer specific factors), and
 9 allocate costs. This is necessary to facilitate costing of the variety of services required
 10 that are identifiable with each customer class. Enbridge believes that the consistent
 11 application of these steps results in an approach that allocates to each rate class the
 12 average costs associated with specific, shared, and common facilities used to provide
 13 services required by customers.

14 Interruptible Rates 145 and 170 do not have any capacity related charges for peak
 15 transportation and storage deliverability.

16 Table 2 below shows a comparison between Enbridge's firm delivery tariffs and
 17 interruptible tariffs. These tariffs are for transportation service only. Interruptible tariffs
 18 are approximately 29% lower than firm tariffs.

1

Table 2

| COMPARISON OF ENBRIDGE GAS FIRM AND INTERRUPTIBLE DELIVERY RATES | | | |
|---|---|--|--|
| Delivery Rates | Current Rate (cents/m³) | Firm Rate Minus Interruptible (cents/m³) | Interruptible Discount From Firm Rate (%) |
| Rate 100 Average C&I Firm | 0.1128 | | |
| Rate 145 Average C&I Interruptible | 0.0806 | 0.0322 | 28.5 |
| Rate 110 Average Industrial Firm | 0.0761 | | |
| Rate 170 Average Industrial Interruptible | 0.0538 | 0.0223 | 29.3 |

Data Source: EB-2011-0354, Exhibit H2, Tab 7, Schedule 1, Page 1 of 8, Updated: 2012-06-08

2 **3 CRA STUDY OPTIONS EVALUATIONS**

3 In the CRA study, the four options (and the *status quo* scenario) presented were
 4 evaluated based on the following criteria: Consistency, Simplicity, Fairness, and
 5 Efficiency⁶. As stated in responses to interrogatory 23.0-HQ-4, iii and 23.0-HQ-6, cost
 6 causality is an accepted rate making principles and CRA treated all criteria the same
 7 when evaluating the four options, that is without assigning more or less weight to any
 8 criterion.

9 **3.1 CRITERIA FOR ESTABLISHING THE ETS TARIFF**

10 It is our view that the OEB should be setting the ETS tariff using the same principles of
 11 cost causality that the OEB applies in setting Transmission and Distribution rates in
 12 Ontario for domestic customers. A separate rate class should be explicitly created for
 13 exporters as interruptible customers and an appropriate ETS tariff should be
 14 determined. Exporters are already considered a different customer class since no
 15 transmission capacity is built to satisfy their needs and the IESO, as per its market

⁶ Exhibit H1-5-2, Appendix B, pages 39 and 40

1 rules, treats exporters as interruptible load while domestic customers are treated as firm
2 load⁷.

3 In order for the ETS tariff to be deemed fair and reasonable, the main criterion that
4 should be used is cost causality, taking into consideration that exporters are treated as
5 interruptible customers by the IESO (see responses to interrogatory 23.0-HQ-2, i and ii),
6 that the transmission system, when being planned, does not take exporters capacity
7 needs into consideration (see responses to interrogatory 23.0-HQ-1, i and ii) and,
8 finally, that exporters only use the excess capacity on the transmission system when
9 wheeling across and exporting from Ontario.

10 When establishing interruptible rates, the difference between firm and interruptible rates
11 reflects the savings to the utility of not having to build capacity or infrastructure to serve
12 interruptible loads. Further, it is common for the frequency or duration of curtailment to
13 be limited under interruptible rates. The greater the limits on permitted curtailment, the
14 less the avoided infrastructure costs are likely to be. In the case of electricity exports in
15 Ontario, there appears to be no limits or preconditions to the frequency or duration of
16 curtailments.

17 **3.2 EXAMPLES OF INTERRUPTIBLE RATES**

18 **3.2.1 ELECTRICITY INTERRUPTIBLE RATES**

19 Ontario Hydro in the early 1990's used to have interruptible rates that were based on
20 the avoided costs of building a Combustion Turbine Unit and offered discounts based
21 on the level of possible interruptions, not based on the level of actual interruptions. By
22 offering interruptible rates, Ontario Hydro was able to utilize its system more efficiently
23 by supplying electricity when there was excess capacity available, without having to

⁷ It should be noted that in our view, exports have always been treated as a *de facto* separate interruptible rate class, with a rate lower than the firm rate. As a result, our recommendations to explicitly recognize exports' interruptible nature and set an appropriate rate for them do not represent a departure from the current practice.

- 1 build additional capacity. As a result of the opening of the Ontario electricity market to
- 2 competition in May 2002, the interruptible rates program ended.
- 3 Natural Gas Interruptible Rates Table 3 lists the interruptible rates that Union Gas and
- 4 Enbridge provide:

5 **Table 3**

| Ontario Natural Gas Interruptible Rates | | | | |
|--|--|--|--|---|
| Union Gas Limited | | | | |
| Rate | Minimum Annual Volume | Days of Curtailment and Notice | Conditions of Service | Typical Customer |
| M5 | At least 700,000 m ³ /year | Up to 40 days a year | Contract; must be able to shut off their natural gas service and use an alternate fuel if required. Consume between 4,800 m ³ and 140,870 m ³ of natural gas each day. Electronic metering | Union South: hospitals, large greenhouses, auto part plants, and manufacturers) are located in Union's southern operation area |
| M7 | At least 28,327,840 m ³ of natural gas each year | Up to 40 days a year | Contract; must be able to shut off their natural gas service and use an alternate fuel if required. Electronic metering | Union South: typically large manufacturers requiring a very large volume of natural gas for industrial processes – such as steel, auto and chemical |
| 25 | | No limit of days of curtailment | Contract; must be able to shut off their natural gas service and use an alternate fuel if required. Electronic metering | Union North and Eastern Region: typically large manufacturers requiring a very large volume of natural gas for industrial processes |
| Enbridge Gas Distribution | | | | |
| 145 | Not less than 340,000 m ³ /year | Subject to curtailment for either capacity and/or supply reasons at the option of the Company. Not less than 72 hours . | Contract; must be able to shut off their natural gas service | Typically large manufacturers requiring a very large volume of natural gas |
| 170 | Not less than 30,000 m ³ /day and a minimum annual volume of 5,000,000 m ³ , to a single terminal location | Subject to curtailment for either capacity and/or supply reasons at the option of the Company. Not less than 4 hours notice. | Contract; must be able to shut off their natural gas service and use an alternate fuel if required | Typically large industrial customers requiring a very large volume of natural gas for industrial processes |

1 **4 OBSERVATIONS**

2 The OEB has used cost causality determinations in the establishment of revenue
3 requirements as a fundamental rate-making principle. Cost allocation is the key to
4 implementing that principle. Cost allocation policies reasonably allocate the costs of
5 providing service to various classes of consumers and, as such, provide an important
6 reference for establishing rates that are just and reasonable.

7 The OEB has approved interruptible services for natural gas customers in Ontario using
8 sound cost allocation principles. Interruptible rates have been used in Ontario for over
9 30 years. Using this approach, Ontario's natural gas infrastructure has been designed
10 to meet the firm peak day requirements of natural gas users. For example, Enbridge's
11 Interruptible Rates 145 and 170 do not have any capacity related charges for peak
12 transportation and storage deliverability. The bulk of the allocated costs are related to
13 gas commodity and upstream transportation. Further, the only costs allocated to
14 interruptible rates are the costs attributable to interruptible customers.

15 Final rates are established only after this cost allocation stage has been completed. As
16 a result, both Enbridge's and Union's interruptible tariffs are at rates substantially (29%
17 to 66%) below firm tariffs.

18 To be consistent with previous experience and to ensure a just and reasonable tariff,
19 the same approach should be used in establishing the ETS tariff: a proper cost
20 allocation model should be used taking into account the specific characteristics of
21 interruptible transmission customers, and only then should the final ETS tariff be
22 determined. Furthermore, it is at the rate design stage, and not at the cost allocation
23 stage, that other considerations (e.g., fairness and rate stability) should be taken into
24 account, if the OEB deems it appropriate.

1 **5 SUMMARY OF RECOMMENDATION**

2 It is our opinion that the following findings and recommendations be adopted by the
3 OEB in this proceeding in setting the ETS tariff:

4 #1: The principle of cost causality should be applied in determining the ETS tariff.
5 This can be achieved by creating a separate customer class for exporters taking
6 into consideration that:

7 #1.1: Exporters use only the excess capacity on the transmission system;
8 therefore they should not be charged the same rate as firm customers
9 when using the Ontario transmission system.

10 #1.2: Exporters' capacity requirements are not taken into consideration by
11 transmission planners in the planning and designing the Ontario
12 transmission system.

13 #1.3: The IESO treats exporters as interruptible customers when operating the
14 Ontario transmission system.

15 #2: If the OEB establishes the ETS tariff taking into consideration other rate
16 principles that depart from cost causality, the reasons for such departure should be
17 provided. It should be identified that domestic customers would be receiving a
18 subsidy from exporters and the amount of the contribution should be clearly stated.