



File Format Specification for Participant Transmission Tariff Data Files

Issue 6.0

This file format specification deals with the data file that a Transmission Customer may use for the purpose of validating the energy measurements used by the IESO to determine transmission tariff billing demands.

SPECIFICATION

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| 1.0 | Unapproved version for Baseline 6.1. | April 2, 2001 |
| 2.0 | Update for Multi-Transmitter Support | March 20, 2002 |
| 3.0 | Name and logo changed to <i>IESO</i> | June 1, 2005 |
| 4.0 | Add a new version of reports for transmission to ORMS Repository. | March 8, 2006 |
| 5.0 | Add information that the calculation of transmission charges uses holidays identified by the OEB. | September 10, 2008 |
| 6.0 | Updated to support market participant readiness in preparation for the RSS project implementation | May 1, 2023 |

Related Documents

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Table of Contents

| | |
|--|-----------|
| Table of Contents | i |
| Table of Changes | ii |
| 1. Introduction | 1 |
| 1.1 Purpose | 1 |
| 1.2 Scope | 1 |
| 1.3 Who Should Use This Document..... | 1 |
| 1.4 Conventions..... | 1 |
| 2. Transmission Tariffs | 2 |
| 2.1 Overview..... | 2 |
| 2.2 Billing Determination - Business Rules | 2 |
| 2.2.1 Relationship of Transmission <i>Delivery Points</i> and IESO Defined <i>Delivery Points</i> | 2 |
| 2.2.2 Demand based on Energy Consumed During the Clock Hour | 3 |
| 2.2.3 Application of Physical Allocation Data (PAD)..... | 3 |
| 2.2.4 Determination of Peak System Demand..... | 3 |
| 2.2.5 Tie-Breaking for Peak Demand Determinants | 4 |
| 2.2.6 <i>Transmission Customer</i> and <i>Transmitter</i> of Record | 5 |
| 3. Participant Transmission Tariff Data File | 7 |
| 3.1 Data File Header Record | 9 |
| 3.2 Transmission Delivery Point Summary Records..... | 10 |
| 3.3 Data File Detail Records..... | 11 |
| References | 1 |

Table of Changes

| Reference (Section and Paragraph) | Description of Change |
|--|--|
| Section 2.2.5 | Added clarification that the <i>IESO</i> uses the holidays identified by the OEB for calculating transmission charges. |
| 3 | Addition of new Settlement Types to facilitate Resettlement Statements Supporting Data Files |
| 3.1 | Addition of new Settlement Types to facilitate Resettlement Statements Supporting Data Files |
| | |

1. Introduction

1.1 Purpose

This specification deals with the data that a *transmission customer* may use for the purpose of validating the *energy* measurements used by the *IESO* to determine *transmission tariff* billing demands at *delivery points* for which the *transmission customer* has been registered as the *metered market participant* for the purpose of *transmission services charges*.

1.2 Scope

This document specifically covers the file structures of the Participant *Transmission Tariff* Data file which contains the hourly measurements for each *delivery point* defined for transmission network charges or transmission connection charges associated with a specific *market participant*.

1.3 Who Should Use This Document

This document is intended for the Transmission Customer associated as the *metered market participant* Transmission (MMPT) for one or more *delivery points* defined for transmission network charges or transmission *connection charges*. It may also be used by other parties interested in the format of *transmission tariff* related data files.

1.4 Conventions

Formal definitions of italicized terms in this document may be found in Chapter 11 of the *IESO* “Market Rules”.

- End of Section -

2. Transmission Tariffs

2.1 Overview

The *IESO* has the responsibility for collecting *transmission service charges* from entities participating in the *IESO-administered markets* and distributing payments received to the *transmitter* entitled to such payments. While certain participants as *transmitters* provide and operate regulated transmission facilities in Ontario, the *IESO* directs the operation of the transmission facilities that are components of the *IESO-controlled grid*. The *IESO* will collect *transmission services charges* on the basis of the *transmitters'* cost allocation methodology and rate design for the provision of transmission service.

The *IESO Transmission Tariff Demand Calculator (TTDC)* system operates within the *IESO* market systems environment to process measurements from *Registered Wholesale Meters* and provide billing demand determinants required for the calculation of Provincial *Transmission Service* charges. The *IESO* Market Information Management (MIM) system provides interchange export schedule data required for the calculation of the *Export Transmission Service* charges. The *IESO* Commercial Reconciliation System uses the billing demand determinants and export schedules as it applies the *transmission tariff* rates in the *settlement process*.

2.2 Billing Determination - Business Rules

The *IESO* systems and *settlement processing* for *transmission service charges* is governed by and subject to the *transmitters'* Transmission Rate Schedules for Provincial *Transmission Service (PTS)* and *Export Transmission Service (ETS)* as established by the *Ontario Energy Board (OEB)*. These Transmission Rate Schedules provide a complete description of the basis for the billing demand determinants and monthly rates used for the PTS charges and the *energy* basis and hourly rate used for the ETS charge. The Transmission Rate Schedules should be obtained from the *transmitter*.

Calculation of *demand* determinants for the PTS charges is based on the methodology outlined in the Transmission Rate Schedule and implementation decisions taken jointly by the transmitters and the *IESO* as ordered by the *OEB*. The following provides a synopsis of these implementation decisions or business rules.

2.2.1 Relationship of Transmission *Delivery Points* and *IESO* Defined *Delivery Points*

Transmission Delivery Points as identified by the *transmitters* under the *OEB* approved Transmission Rate Schedules refer to facilities that are directly connected to the *transmitter* owned *transmission system*.

The *IESO* will define two *delivery points* for the purpose of totalizing and loss adjusting *energy* readings at each Transmission Delivery Point identified by the *transmitters*. A *delivery point* will be

defined for every Transmission Delivery Point to determine the billing *demand* for transmission *network service* charges. A second *delivery point* will be defined as required to determine the billing demand for line and transformation *connection charges*.

2.2.2 Demand based on Energy Consumed During the Clock Hour

The IESO Revenue Metering System (RMS) will net metering injection and withdrawal channels within each clock hour and report either net withdrawal (W) or net injection (I) values for each clock hour interval (i.e. intervals 1 through 24 each day) for each *delivery point* defined for transmission network charges or transmission *connection charges*.

The TTDC system will use *demand* measurements of *energy* consumed during each clock hour interval as reported by RMS. The TTDC system will treat any hourly interval for which an injection (I) has been reported as a zero demand interval.

All *metering installations* in the Province of Ontario will reference Eastern Standard Time in accordance with the IESO “Market Rules” Chapter 6, Section 11.2.

2.2.3 Application of Physical Allocation Data (PAD)

Chapter 9 of the *Market Rules* provides that *metered market participants* may, for each *delivery point* with respect to which it is the *metered market participant*, submit to the IESO *physical allocation data* (PAD) for allocating *metering data* among *market participants*.

With respect to *delivery points* defined for the purposes of *transmission service charges* the application of PAD will be blocked thus providing unallocated *metering data* for each Transmission Delivery Point as required to support the several *demand* calculations.

2.2.4 Determination of Peak System Demand

Peak system demand will be determined for any one hour on any day of a month based on loads excluding *interchange schedules*. *Peak system demand* will be calculated based on the hourly sum of net withdrawal (W) values reported by RMS for each clock hour interval at all *delivery points* defined for transmission network charges.

The *peak system demand* hour will be designated as a clock hour ending on the hour. For example hour 1 will be the hour ending 0100 hours, hour 2 will be the hour ending 0200 hours, etc.

The TTDC will provide for tie breaking for *peak system demand* intervals selecting the most recent *peak system demand* maximum quantity and interval when such ties occur.

The *peak system demand* date and hour are required for the determination of the *coincident peak demand* for each *delivery point* defined for transmission network charges as governed by the *transmitters’* Transmission Rate Schedules for Provincial *Transmission Service* (PTS).

2.2.5 Tie-Breaking for Peak Demand Determinants

Network Billing Demand

The charge determinant for *network service* shall be the higher of the hourly *coincident peak demand* during the month and 85% of the customer's *peak period demand* at each *delivery point* defined for transmission network charges in any one hour during the peak period between 7 AM to 7 PM EST on weekdays that are not statutory holidays. For the purposes of calculating transmission charges, the IESO uses the holidays identified by the Ontario Energy Board.

The TTDC system will provide for tie breaking between *coincident peak demand* and *peak period demand* selecting the *coincident peak demand* quantity and interval when such ties occur.

Coincident Peak Demand

The *coincident peak demand* is defined as the transmission customer's demand at each *delivery point* defined for transmission network charges at the *peak system demand* hour as determined per section 2.2.4 above. The demand will be determined monthly.

Peak Period Demand

The peak period is the period between 0700 hours to 1900 hours Eastern Standard Time during winter (i.e. during standard time) and 0600 hours to 1800 hours Eastern Standard Time during summer (i.e. during daylight savings time) on weekdays that are not statutory holidays. The *transmission customer's peak period demand* is determined as 85% of the demand at each *delivery point* defined for transmission network charges for any one hour during the peak period on any day of a month.

The TTDC system will provide for tie breaking for *peak period demand* intervals selecting the most recent *peak period demand* maximum quantity and interval when such ties occur.

Connection Billing Demand

The charge determinant for *line connection service* and *transformation connection service* shall be the *transmission customer's* monthly *non-coincident peak demand* at each *delivery point* defined for transmission connection charges. The *non-coincident peak demand* is defined as the *transmission customer's* maximum hourly demand in any clock hour of the month.

The TTDC system will determine the *non-coincident peak demand* for each *delivery point* defined for transmission connection charges. Determination of the appropriate demand charges (either Line Connection and/or Transformation Connection) to be applied to each *delivery point* defined for transmission connection charges will be based on registration data provided by the *transmitter*.

The TTDC system will provide for tie breaking for *non-coincident peak demand* at each *delivery point* defined for transmission connection charges selecting the most recent non-coincident peak quantity and interval when such ties occur. Ties for line connection demand and transformation connection demand will be broken separately based on the applicable dates for line connection and transformation connection charges.

2.2.6 Transmission Customer and Transmitter of Record

Provincial Transmission Service

The IESO Market Operation Systems and related procedures provide for change of association of *transmission customers* to each *delivery point* defined for transmission *network charges* or transmission *connection charges* to occur at midnight on any day of each month.

The IESO will bill the *transmission customer* of record at the end of the effective period for each *transmission tariff*. This is treated differently for network and connection tariffs. The following addresses the treatment of *transmission services charges* when association of a *transmission customer* to a *delivery point* is changed during any month.

- *Network Service Tariff*

The TTDC system will anticipate that there will be continuous association of a *transmission customer* to each *delivery point* defined for transmission network charges. The business rule built into the TTDC will assign the demand determinant for the network tariff to the *transmission customer* of record on the last calendar day of any month for each *delivery point* defined for transmission network charges. Thus the *network service charge* will be billed to the *transmission customer* assigned to each *delivery point* defined for transmission network charges as registered with the IESO on the last calendar day of the month.

- *Connection Service Tariffs – Line and Transformation*

The TTDC system will anticipate that there may be discontinuity in the application of the line or transformation tariffs to any *delivery point* defined for transmission *connection charges*. (Such a discontinuity in the application of the either line connection or transformation connection tariffs occurs presumably through the sale of the *transmitter* owned line or transformation asset). The TTDC system will also anticipate that the *transmission customer* associated to a *delivery point* defined for transmission connection charges may change before the end of a month. (Such a change in association of a transmission customer occurs presumably through the sale of the *facility*.) For these events the TTDC system will determine the connection *demand* determinants for the line and transformation tariffs and assign the line and transformation charges to the appropriate transmission customer on the basis of the following business rules:

- 1) The demand determinant for the line connection charge will be assigned to the transmission customer of record associated to the *delivery point* defined for transmission connection charges on the last date of the applicability of the line tariff to the *delivery point* defined for transmission connection charges.
- 2) The demand determinant for the transformation connection charge will be assigned to the transmission customer of record associated to the *delivery point* defined for transmission connection charges on the last date of the applicability of the transformation tariff to the *delivery point* defined for transmission connection charges.
- 3) If the *transmitter* ends the application of the line connection or the transformation connection charges at any one *delivery point* defined for transmission connection charges on different dates in a month, then the demand determinants for each connection charge will be determined on periods of different length, each period ending on the last date of the applicability for each charge.

The *IESO* must receive timely notification when there is a change of ownership of a *facility* or any other commercial change that would result in the need to send the billing for *transmission services charges* to another commercial entity other than the *transmission customer* identified by the *transmitter*. The *IESO* will continue to bill *transmission tariff* charges to the *transmission customer* associated with a *transmission delivery point* until notice from the *transmitter* of the change to the associated transmission customer. Any such new commercial entity must be registered with the *IESO* and maintain the capabilities necessary to act in accordance with the *IESO* “Market Rules.”

For all of the above circumstances the *IESO* will not determine the settlement of *transmission services charges* between *transmission customers* when ownership is changed during a month. Such settlement must be determined as part of the purchase/sale of any such *facility*. It will be the responsibility of the *transmission customer* to settle the end-of-month liability for payment of transmission charges between buyer and seller as part of the closing of the purchase/sale of any *facility* directly connected to the transmission system.

Export Transmission Service

The *IESO* Market Operation Systems and related procedures provide for change of association of one transmitter to each *intertie metering point* through which interchange *energy* exports are scheduled.

The *IESO* will collect from each *market participant* exporting *energy* from Ontario the *Export Transmission Service* (ETS) tariff. The ETS collections at each inter-tie will be credited each month to the transmitter associated with each *intertie metering point* as registered by the *IESO* on the last calendar day of the month.

- End of Section -

3. Participant Transmission Tariff Data File

The following file format specification deals with the data file that a *transmission customer* may use for the purpose of validating the *energy* measurements used by the *IESO* to determine *transmission tariff* billing demands. It will be available to the *transmission customer* associated as the *metered market participant* Transmission (MMPT) for one or more *delivery points* defined for transmission network charges or transmission *connection charges*. The Participant *Transmission Tariff Data* file contains the hourly measurements for each *delivery point* defined for transmission network charges or transmission connection charges associated with a specific *market participant*. Each file contains the latest hourly measurements for each associated *delivery point* within the calendar month reported by the *IESO* Revenue Metering System for the purpose of determining the billing demands for the following *charge types*.

- *Charge Type 650: Network Service Charge*
- *Charge Type 651: Line Connection Service Charge*
- *Charge Type 652: Transformation Connection Service Charge*

The TTDC system receives hourly measurements for all *delivery points* defined for transmission network charges or transmission *connection charges*. The hourly measurements are received from the Revenue Metering System (RMS) on a daily basis according to a request schedule found in the Commercial Reconciliation System. This schedule requests that the RMS report on all *delivery points* for the primary trading date. The schedule also requests previously reported trading dates to be checked for incremental changes since they were first reported. If any measurement on one of the previously reported trading dates changes then the RMS will report all hours on that trading date to the TTDC system.

For each *delivery point* defined for transmission network charges or transmission connection charges there is one *metered market participant* Transmission associated (MMPT) on any one calendar day.

The Participant *Transmission Tariff Data* files will follow the same file naming convention as is used for the other *settlement statement* and settlement data files produced by the Commercial Reconciliation System and presented for the Participant to pick up in the *Settlement Reports* tab of the MIM system.

The Participant *Transmission Tariff Data* File will be produced when month-end settlement statements for the *Physical Market* are issued..

As per the Market Rules 9.6.3.6 and 9.6.3.17 additional settlement statements known as Resettlement Settlement Statement (or Recalculated Settlement Statements) are being introduced to the markets. After the issuance of the *final settlement statement for a trading day*, if a *market participant* has any applicable transaction, whether it be an adjustment to a previous *settlement statement* or a *brand new* transaction, the *IESO* will issue a *recalculated settlement statement* to the *market participant* for the given *trading day*. However, *market participants* will be given the option to receive a resettlement statement for an applicable *trading day* even if there are no new applicable transactions for the

trading day. The procedure for requesting such statements are described in Section 1.3.3 of *Market Manual 5.7* entitled, “*Settlement Process*”.

The *final recalculated settlement statement* will be the last statement issued for the *trading day*. The IESO will issue *final recalculated settlement statements* for every *trading day*, even if there are no changes from the previous *settlement statement* for the *trading day*.

As per the Market Rules 9.3.6c and 9.6.3.17h, at the IESO’s sole discretion, it may issue, either in lieu of or in addition to the resettlement settlement statements an *ad hoc recalculated settlement statement* at any time up to and including the scheduled date to issue the *final recalculated settlement statement* for the relevant trading day. At the time of issuing an *ad hoc statement* the IESO will issue the statement as a version of one of the defined settlement statements types (F, R1, R2, R3, R4, R5, R6) as described in table Table 1-1. Items.

For convenience, two copies of each Participant Transmission Tariff Data File will be available to *market participants*. The only difference between the versions is the file name (i.e. the content of the copies will be identical).

The file name format for the file available through the Market Participant Interface (MPI) will be as follows:

[market participant short name] [‘-’] [file type {‘PT’: *Market Participant’s Transmission Tariff Data File*}] [‘-’] [statement type {‘P’: Physical (“real-time” market settlement statement)}] [‘-’] [settlement type {‘P’: Preliminary or ‘F’: Final or ‘R1’: Resettlement 1, ‘R2’: Resettlement 2 or ‘R3’: Resettlement 3 or ‘R4’: Resettlement 4 or ‘R5’: Resettlement 5 or ‘R6’: Resettlement 6 or ‘RF’: Resettlement Final}] [‘-’] [primary trading date {YYYYMMDD}]

Example:

MPShortName-PT-P-F-20010331

It is the Participant’s Transmission Tariff Data File

It relates to the Physical Market.

It is related to the Final Settlement Statement Transmission Tariff Charges

It relates to the month of March 2001.

The file name format for the version of the file available through the IESO Reports Site Interface will be as follows:

[security level {‘CNF’: Confidential}] [‘-’] [market participant short name] [‘_’] [file type {‘PT’: *Market Participant’s Transmission Tariff Data File*}] [‘-’] [statement type {‘P’: Physical (“real-time” market settlement statement)}] [‘-’] [settlement type {‘P’: Preliminary or ‘F’: Final or ‘R1’: Resettlement 1, ‘R2’: Resettlement 2 or ‘R3’: Resettlement 3 or ‘R4’: Resettlement 4 or ‘R5’: Resettlement 5 or ‘R6’: Resettlement 6 or ‘RF’: Resettlement Final}] [‘_’] [primary trade date {YYYYMMDD}] [‘_’] [version number identifying whether this report file was regenerated ‘v1’] [‘.txt’]

For example: “CNF-MPShortName_PT-P-F_20010331_v1.txt”

The file contains a confidential report,

It is the Participant's Transmission Tariff Data File

It relates to the Physical Market.

It is related to the Final Settlement Statement Transmission Tariff Charges

It relates to the month of March 2001,

As version is "1" this file is the original run for that date.

Each Participant *Transmission Tariff Data* file is composed of three sections:

1. The first of these sections is a header record providing information such as statement type and primary trading date.
2. The second section is a Summary Record providing details for each *delivery point* defined for transmission network charges or transmission *connection charges* that referenced in the Detail Record section. This section is provided for efficiency in data transfer for information that would otherwise be repeated for each detail record.
3. The third section is the detail record containing one month's data for each *delivery point* defined for transmission network charges or transmission connection charges to which the *transmission customer* has been registered as the MMPT.

The following describes each of the data fields in the Participant *Transmission Tariff Data* File. All data files are plain ASCII files with data fields delimited by the 'pipe' symbol (|). Two consecutive rows (or records) are separated by a carriage return.

3.1 Data File Header Record

This record will supply information that can be used to identify the contents of the Participant *Transmission Tariff Data* file.

| Field | Type | Max Field Length | Domain | Description |
|-----------------------|---------|------------------|-------------|---|
| Record Type | Varchar | 1 | 'H' | Indicates the type of record |
| Market Participant ID | Number | 15 | NNNNNN | The <i>market participant's</i> unique identifier |
| Primary Trading Date | Date | N/A | DD-MMM-YYYY | The specific trading date for which the statement is being created |
| File Type | Varchar | 2 | 'PT' | Indicates the type of file as a Participant <i>Transmission Tariff</i> data file |
| Statement Type | Varchar | 1 | 'P' | This will always be 'P' indicating that the data pertains to <i>the Physical Market</i> . |

| Field | Type | Max Field Length | Domain | Description |
|-----------------|---------|------------------|--|---|
| Settlement Type | Varchar | 1 | 'P', 'F', 'R1', 'R2', 'R3', 'R4', 'R5', 'R6', 'RF' | Indicates the type of <i>settlement set</i> : preliminary, final, one of the resettlement statements or a resettlement final statement. |

3.2 Transmission Delivery Point Summary Records

These records provide details on a Per Trade Date basis for each *delivery point* defined for transmission network charges or transmission *connection charges* that is referenced in the Detail Records.

| Field | Type | Max Field Length | Domain | Description |
|----------------------------------|---------|------------------|------------------|---|
| Record Type | Varchar | 1 | 'S' | Indicates the type of record |
| Transmission Delivery Point ID | Number | 12 | NNNNNN | The <i>delivery point</i> ID assigned by the IESO for transmission network charges or transmission connection charges. The establishment of such <i>delivery points</i> is subject to the <i>meter point</i> documentation provided by the <i>transmission customer's MSP</i> subject to Chapter 10 of the IESO "Market Rules"s. The <i>delivery point</i> ID is a 6-character identifier. |
| Trading Date | Date | N/A | DD-MMM-YYYY | The specific trading date of the hourly measurement |
| Transmission Delivery Point Type | Varchar | 4 | 'TDPC' or 'TDPN' | Indicates whether the <i>delivery point</i> is classified as 'Network' or 'Connection'. |
| Line Connection Switch | Varchar | 1 | 'Y' | Indicates that the <i>delivery point</i> defined for transmission connection charges has Line Connection Charges applicable. (Only relates to Transmission Connection Delivery Points. Will always be 'N' for Transmission Network Delivery Points.) |

| Field | Type | Max Field Length | Domain | Description |
|------------------------------------|---------|------------------|--------|--|
| | | | 'N' | Indicates that the <i>delivery point</i> defined for transmission connection charges does not have Line Connection Charges applicable. (Only relates to Transmission Connection <i>Delivery Points</i> . Will always be 'N' for Transmission Network <i>Delivery Points</i> .) |
| Transformation Connection Switch | Varchar | 1 | 'Y' | Indicates that the <i>delivery point</i> defined for transmission connection charges has Transformation Connection Charges applicable. (Only relates to Transmission Connection <i>Delivery Points</i> . Will always be 'N' for Transmission Network <i>Delivery Points</i> .) |
| | | | 'N' | Indicates that the <i>delivery point</i> defined for transmission <i>connection charges</i> does not have Transformation <i>Connection Charges</i> applicable. (Only relates to Transmission Connection <i>Delivery Points</i> . Will always be 'N' for Transmission Network <i>Delivery Points</i> .) |
| Transmission Customer – Short Name | Varchar | 12 | | <i>Transmission Customer</i> Short Name related to the <i>delivery point</i> assigned by the IESO for transmission network charges or transmission <i>connection charges</i> . |
| Transmitter – Short Name | Varchar | 12 | | <i>Transmitter</i> Short Name related to the <i>delivery point</i> assigned by the IESO for transmission network charges or transmission <i>connection charges</i> . |
| Transmission Delivery Point Name | Varchar | 32 | | The <i>delivery point</i> name assigned by the IESO for transmission network charges or transmission <i>connection charges</i> related to the <i>delivery point</i> ID. |

3.3 Data File Detail Records

These records provide the details of each hourly measurement that was used in the determination of the Preliminary or Final *Transmission Tariff* billing demands for every *delivery point* defined for transmission network charges or transmission *connection charges* for which the specific *market participant* has been registered as MMPT.

The file contains one month's data for each *delivery point* defined for transmission network charges or transmission *connection charges* up to the number of days that the *market participant* has been

designated as the MMPT. Therefore, each *delivery point* can have a maximum of 744 measurements in the file (31 days by 24 hours per day per calendar month).

| Field | Type | Max Field Length | Domain | Description |
|--------------------------------|-------------|------------------|---------------------|--|
| Record Type | Varchar | 1 | 'M' | Indicates a hourly measurement data record |
| Transmission Delivery Point ID | Number | 12 | NNNNNN | The <i>delivery point</i> ID assigned by the <i>IESO</i> for transmission network charges or transmission <i>connection charges</i> . The establishment of such <i>delivery points</i> is subject to the <i>meter point</i> documentation provided by the <i>transmission customer's</i> <i>MSP</i> subject to Chapter 10 of the <i>IESO</i> "Market Rules"s. The <i>delivery point</i> ID is a 6-character identifier. |
| Trading Date | Date | N/A | DD-MMM-YYYY | The specific trading date of the hourly measurement |
| Trading Hour | Number | 2 | 1-24 | The specific hour of the hourly measurement |
| UOM | Varchar | 1 | 'W' | Unit of Measurement for the hourly measurement data record as "W" – Megawatts. |
| Actual Estimate Indicator | Varchar | 1 | 'A' | Indicates that the hourly measurement represents an actual measurement |
| | | | 'E' | Indicates that the hourly measurement represents an estimated measurement |
| Injection Withdrawal Indicator | Varchar | 1 | 'I' | Indicates that the hourly measurement represents a net injection to the transmission grid in the hour |
| | | | 'W' | Indicates that the hourly measurement represents a net withdrawal from the transmission grid in the hour |
| Hourly Measurement Quantity | Number | 11,3 | | Indicates the hourly measurement quantity in MW |
| Update Date Time | Date / Time | N/A | YYYY-MM-DD-hh:mm:ss | Indicates the last date time that this measurement was reported from the Revenue Metering System. Time will be reported on a 24-hour clock. |

- End of Section -

References

| Document Name | Doc ID |
|--|---|
| <i>IESO</i> “Market Rules” | MDP_RUL_0002 |
| <i>Ontario Energy Board</i> , “Interim Decision and Order” – December 17, 2001 | This interim decision addresses four <i>OEB</i> docket numbers as follows RP-2001-0034 RP-2001-0035 RP-2001-0036 RP-2000-0044 |

- End of Section -

- End of Document -