



The Market Participant Invoice

Report Format

Issue 8.0

REPORT

This Technical Interface document describes the
formats of Market Participant invoices.

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Document Change History

Issue	Reason for Issue	Date
1.0	Initial Release of Document	August 1, 2001
2.0	Finalized presentation of informational additions form version 1.3	February 11, 2002
3.0	Change Invoice Title from Finance Charge to Financial Charge	April 2, 2002
4.0	Name and logo changed to <i>IESO</i>	June 1, 2005
5.0	Add a new version of reports for transmission to ORMS Repository.	March 8, 2006
6.0	Added XML and HTML formats of Invoice.	June 06, 2012
7.0	Removed TXT and HTML formats of Invoice	March 2, 2016
8.0	For compliance of the Accessibility for Ontarians with Disabilities Act (AODA)	October 27 2020

Related Documents

Document ID	Document title
None yet.	None.

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Table of Changes

Reference (Section and Paragraph)	Description of Change
Throughout	Updated to meet accessibility requirements pursuant to the Accessibility for Ontarians with Disabilities Act.

1. Introduction

1.1 Purpose

This specification describes the format of the *market participant invoices*. The *IESO* provides *invoices to market participants* in XML format.

The purpose of this document is to communicate the format of the *invoice* file to any *market participant* who is active in one or more of the *IESO-administered markets*.

XML *invoices* provide a means for machine readable (also known as data scraping) documents. The XML file can also be viewed in human readable form using client tools such as spreadsheet software (e.g., Excel) and web browsers (e.g., Internet Explorer). Such tools translate raw XML data into the native format of the client tool (XLS for Excel, HTML for Internet Explorer).

Invoices contain the *invoice* amounts for each charge type applicable to a given *market participant*. The data contained in these *invoices* is related to a specific *physical market* or *financial market billing period* or may be a manual *invoice* generated on any date. *Invoices* also contain the *IESO* address, *IESO* HST number, Issue Date, *Invoice* Number, *Invoice* date, *Market participant's* ID, *Market participant's* address, *Market participant's* GST/HST number, *IESO's* bank information and *Invoice* total amount. *Invoices* can also contain comments that may be added by the *IESO* as well as *billing period* start and end dates for *invoices* generated in accordance with the *Settlement Schedule and Payment Calendar*.

1.2 Scope

This document specifically covers the file structure of an - xml file *invoice*, which constitutes a complete *invoice* for *IESO-administered markets* as described in the *IESO* "Market Rules."

Please refer to section 3.3 for a sample *invoice* in XML format.

1.3 Who Should Use This Document

This document is intended for *market participants* and any other party that may be interested in the format of the *invoice*.

1.4 Conventions

- Formal definitions of italicized terms in this document may be found in Chapter 11 of the *IESO* “Market Rules.”
- Double quotation marks are used to indicate titles of legislation, publications, forms and other documents.

1.4.1 Invoice Amounts

As with all *invoices*, the following should be noted:

- *Invoice* amounts owing to the *IESO* will appear as positive numbers; and
- *Invoice* amounts owing to *market participants* will appear within the brackets.

1.4.2 Access

XML *invoices* will be available to *market participants* from the IESO Report Site ([Market Participants can access XML Invoices from IESO Reports Site here](#)).

Market participants may download *invoice* files after they are generated by the *IESO* Funds Administration System. Also previous two month’s *invoices* will be available on the report site for retrieval.

1.4.3 Timelines

Invoices may be issued as settlement *invoices* or manual *invoices*. Settlement *invoices* are generated by the *IESO* for *settlement amounts* determined in accordance with Chapter 9 of the *IESO* “Market Rules.” Manual *invoices* are issued by the *IESO* as required by other *IESO* “Market Rules” provisions.

Separate settlement *invoices* are produced for the *physical* and *financial markets*. Separate manual *invoices* may also be produced for *physical markets* and *financial markets*. Separate *invoices* for financial charges may also be produced by the *IESO*. Thus, five market type source *invoices* are produced by the *IESO* namely: PHYSICAL SETTLEMENTS; FINANCIAL SETTLEMENTS; PHYSICAL MANUAL, FINANCIAL MANUAL and FINANCIAL CHARGE. Only one *invoice* of a single market type source for any one *market participant* will be issued by the *IESO* on a single date.

Settlement Invoices

Each settlement *invoice* pertains to a specific *billing period*. The issuance of settlement *invoices* is based on a *business day* timeline rather than on a calendar day timeline and is specifically governed by:

- The *Settlement Schedule and Payment Calendar* (*IESO* “Market Rules” ref. Ch. 9 Section 6.2 and 6.3, "Market Manuals Part 5.1: Settlement Schedule and Payment Calendar" (SSPC)); and

- Any emergency procedures that may have to be invoked by the *IESO* under the *IESO* “Market Rules.”

The timelines for the issuance of settlement *invoices* are as follows:

Item	Invoicing Day
<i>Physical Market Invoices</i>	10 <i>business days</i> after the last <i>trading day</i> of the <i>physical market billing period</i> .
<i>Financial Market Invoices</i>	6 <i>business days</i> after the last <i>trading day</i> of the <i>financial market billing period</i> .

A separate *invoice* process is run for the *physical market* and the *financial market* with different frequency as shown in the table above. Therefore, *market participants* will receive separate *invoices* for the *physical market* and for the *financial market*.

Manual Invoices

Manual *invoices* are issued by the *IESO* as required for charges determined outside the *physical market* and *financial market* settlement process and timelines (*IESO* “Market Rules ref. Ch 9 Section 6.10.1- estimated *invoice* procedures.”).

Financial Charge Invoices

Financial charge *invoices* issued by the *IESO* include the following:

- *Invoices* issued for the *costs of mediation* or *costs of arbitration* as governed by Chapter 3 of the *IESO* “Market Rules”;
- *Invoices* issued for the costs relating to interest owing on outstanding *invoices*; and
- *Invoices* for recovery of other levies such as penalties or costs of services expressly provided for in the *IESO* “Market Rules”.

Notice of the issuance of manual *invoices* and financial charge *invoices* are made by e-mail at the time that the *IESO* produces such *invoices*. Manual and Financial charge *invoices* will be posted on the *IESO* report site on the day it is produced.

2. Invoice Layout

2.1 Invoice File Name Format

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

[security level { 'CNF': Confidential} ['-']] [Market Participant short name] ['-'] [Invoice Source { 'PS': Physical Settlement} ['-']] [File type { 'INV': } ['-']] [Invoice date]{YYYYMMDD}['_'] [version number identifying whether this report file was regenerated 'v1'] .xml

1. Most recent *Invoice*

CNF ['-'] [market participant short name] ['-'] [invoice source] ['-'] ['INV'] .xml

Example:

CNF-AQP_PS-INV.xml

It is a most recent Physical *Invoice*

2. Previous month *Invoice* with *Invoice* date and version number.

CNF ['-'] [market participant short name] ['-'] [invoice source] ['-'] ['INV'] ['-'] [invoice date] ['-'] [Version Number].xml

Example:

CNF-AQP_PS-INV_20120214.xml

It is a Physical *Invoice*

It relates to the month of February 2012.

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

MARKET TYPE	SOURCE	VALUE
Financial	Settlement, Manual	FS
Physical	Settlement, Manual	PS
	Financial Charge	FC

2.2 Description of Invoice Sections

An *invoice* can be divided into three sections:

1. Header
2. Charges Types
3. Total

The following provides a brief description for each of the three sections. Notes are provided to indicate specific aspects of the *invoice* that are of particular importance to the *market participant*.

2.2.1 Header

The header section starts with the *invoice* title followed by the *IESO* address and HST identification number.

**Independent Electricity System Operator
PHYSICAL INVOICE**

Independent Electricity System Operator
Station A, Box 4474
Toronto, ON
M5W 4E5
HST: 870513959RT0002

NOTE 1: The second line of the title depends on the market type. For *physical market*, it is “PHYSICAL INVOICE” and for *financial markets*, it is “FINANCIAL INVOICE”. *Invoices* for financial charges will indicate “FINANCIAL CHARGE”.

Issue / re-issue date, *market participant* information, *invoice* date, and other information that is used to uniquely identify the *invoice* are provided next.

ENERGYABC CORPORATION 123 MAIN ST Toronto, ON A1B 2C3 Canada	Issue / Re-Issue Date: 16-NOV-2015 Invoice: PI00123456 Invoice Date: 16-NOV-2015 MP ID: 123456 MP GST/HST: 123456789RT0001	
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The first date indicated in the header is the issue / re-issue date which is the date the *invoice* is sent by the *IESO*. The second date indicated in the header is the “*invoice* date” which is the original date that the *IESO* generates an *invoice* for a *market participant*.

The header section then contains the *IESO* bank information and *IESO* help desk contact information.

Please send payment by WIRE or EFT to:

Bank Name: **TD Bank**
Bank ID Number: **0004**
Bank Account Number: **0690-0458762**

Bank Acc Type: **Settlement Clearing**
Bank Transit Number: **10202**

For all inquiries contact:
IESO Account Representative
Tel: 905-403-6900
Toll Free: 1-888-448-7777

Finally, the header section may contain manual comments that the *IESO* can enter on the *invoice*. Such comments will appear as follows:

Comments

Any entered comments will appear here.

2.2.2 Charge Types

The second section provides the *billing period* start and end dates for settlement *invoices* and the description and amounts invoiced for each charge type billed during the *billing period*.

Charges for settlement statements issued: From 01-OCT-2015 To 31-OCT-2015

Charge Type	Description	Amount
101	NET ENERGY MARKET SETTLEMENT FOR NON-DISPATCHABLE LOAD	\$30,596.88
148	CLASS B GLOBAL ADJUSTMENT SETTLEMENT AMOUNT	\$93,027.95
150	NET ENERGY MARKET SETTLEMENT UPLIFT	\$553.72
155	CONGESTION MANAGEMENT SETTLEMENT UPLIFT	\$383.46
169	STATION SERVICE REIMBURSEMENT DEBIT	\$20.61
183	GENERATION COST GUARANTEE RECOVERY DEBIT	\$421.18
186	INTERTIE FAILURE CHARGE REBATE	(\$8.67)
250	10-MINUTE SPINNING MARKET RESERVE HOURLY UPLIFT	\$48.47
252	10-MINUTE NON-SPINNING MARKET RESERVE HOURLY UPLIFT	\$68.31
254	30-MINUTE OPERATING RESERVE MARKET HOURLY UPLIFT	\$38.12
450	BLACK START CAPABILITY SETTLEMENT DEBIT	\$12.02
451	HOURLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	\$304.45
452	MONTHLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	\$33.62
454	REGULATION SERVICE SETTLEMENT DEBIT	\$307.36
650	NETWORK SERVICE CHARGE	\$7,817.04
651	LINE CONNECTION SERVICE CHARGE	\$2,036.48
652	TRANSFORMATION CONNECTION SERVICE CHARGE	\$4,736.00
753	RURAL RATE SETTLEMENT CHARGE	\$1,602.98
754	OPA ADMINISTRATION CHARGE	\$541.31
900	GST/HST CREDIT	(\$16.91)
950	GST/HST DEBIT	\$18,789.37
1351	CAPACITY BASED DEMAND RESPONSE PROGRAM RECOVERY AMOUNT FOR CLASS B LOADS	\$680.07
1463	RENEWABLE GENERATION CONNECTION - MONTHLY COMPENSATION AMOUNT SETTLEMENT DEBIT	\$6.53
1550	DAY-AHEAD PRODUCTION COST GUARANTEE RECOVERY DEBIT	\$204.91
1560	DAY-AHEAD GENERATOR WITHDRAWAL REBATE	(\$2.01)
1650	FORECASTING SERVICE BALANCING AMOUNT	\$5.00
9990	IESO ADMINISTRATION CHARGE	\$990.15

NOTE 2: The *billing period* dates will be blank for manual *invoices* and *invoices* for financial charges.

2.2.3 Total

The last section provides the *invoice* total. *Invoice* amounts owing to the *IESO* will appear as a positive number with a statement indicating the payment due date. *Invoice* amounts owing to the *market participant* will appear within the bracket indicating a negative number with a statement that the *market participant* need not send payment. The mandatory CCRA comment regarding the *invoice* constituting a debit/credit note for GST/HST purposes is the closing line for all *invoices*.

Invoice Total:	\$CAD	16,981.99
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Payment Due Date 18-NOV-2015

This invoice also constitutes a debit/credit note for GST/HST purposes

NOTE 3: If the *invoice* total is greater than zero then it will be followed by the text “Payment Due Date: DD-MMM-YYYY” where DD-MMM-YYYY is the payment due date.

OR

Invoice Total:	\$CAD	(3,276,615.15)
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Do Not Send Payment

This invoice also constitutes a debit/credit note for GST/HST purposes

NOTE 4: If the *invoice* total is zero or less than zero it will be followed by the text “Do Not Send Payment”.

NOTE 5: CCRA requires the debit/credit note to appear on *invoices* to which GST/HST applies, i.e. *invoices* for the *physical market*. However, this final note will appear on *invoices* of all types.

3. Sample XML File Invoice

3.1 File Use

XML format can be used as machine readable file. XML file *Invoice* contains delimited columns therefore they can be used for machine readable. *Market Participants* can extract the data from XML output using computer programs or view in a web browser with the style sheet.

3.2 XML Schema



Sample_XML_File_Inv
oice.docx

Double-click the above MS-Word File Object to open document for viewing.

3.3 Sample Invoice

**Independent Electricity System Operator
PHYSICAL INVOICE**

Independent Electricity System Operator
Station A, Box 4474
Toronto, ON
M5W 4E5

ENERGYABC CORPORATION
123 MAIN ST
Toronto, ON A1B 2C3
Canada

HST: 870513959RT0002
Issue / Re-Issue Date: 16-NOV-2015
Invoice: PI00123456
Invoice Date: 16-NOV-2015
MP ID: 123456
MP GST/HST: 123456789RT0001

Please send payment by WIRE or EFT to:

Bank Name: TD Bank
Bank ID Number: 0004
Bank Account Number: 0690-0458762

Bank Acc Type: Settlement Clearing
Bank Transit Number: 10202

For all inquiries contact:
IESO Account Representative
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Comments:

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452	MONTHLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	\$33.62
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1560	DAY-AHEAD GENERATOR WITHDRAWAL REBATE	(\$2.01)
1650	FORECASTING SERVICE BALANCING AMOUNT	\$5.00
9990	IESO ADMINISTRATION CHARGE	\$990.15
9992	ONTARIO CLEAN ENERGY BENEFIT (-10%) PROGRAM SETTLEMENT AMOUNT	(\$16,155.41)
	PHYSICAL MARKET INVOICE PREPAYMENT	(\$130,061.00)
Invoice Total:	SCAD	16,981.99

Payment Due Date 18-NOV-2015

This invoice also constitutes a debit/credit note for GST/HST purposes

Appendix A: Forms

This appendix contains a form associated with the current procedure, which is available on the *IESO* Public Web site (<http://www.theimo.com/>).

Form Name	Form Number
Application Form for Authorization to Participate	IMO_FORM_1016

– End of Section –

References

Document Name	Document ID
Independent Electricity Market Operator, “IESO Market Rules”	MDP_RUL_0002
Market Manual 5: Settlement, Part 5.1: Settlement Schedule and Payment Calendar (SSPC)	MDP_PRO_0031

– End of Document –