



Introduction to the IESO Settlement Process

IESO Training
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Introduction to the IESO Settlement Process

AN IESO MARKETPLACE TRAINING PUBLICATION

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1. Introduction

The IESO administers a physical market for participants to buy and sell energy, and a financial market for buying and selling transmission rights (TRs). We¹ are responsible for settling these markets:

In the physical market, we collect funds from buyers and transfer funds to sellers. We do not actually take title to energy, and we are, by law, revenue neutral. We recover our administration expenses via a charge for each megawatt hour (MWh) of energy purchased. We also handle payouts for TRs through the physical market settlement process.

The financial market settlement process handles payments for rights purchased in TR auctions. (Please see the Transmission Rights workbook, available on our [Training Materials](#) webpage for details.)

1.1 Settling the Physical Market

There are four steps in settling the physical markets:

1. Gathering and processing data
 - a. We gather and process market data inputs, rates and metering data to produce settlement-ready data. Please see the [Revenue Metering workbook](#), available on our Training Materials webpage for details.
2. Reconciling the markets
 - a. In this step, we use the settlement-ready data to determine revenue owed to suppliers, and costs for consumers. We also calculate the overhead that participants must pay for such things as operating reserve, congestion management settlement credits (CMSC), and our administration fee. (For details on operating reserve and CMSC, see the Introduction to Ontario's Physical Markets workbook, available on our Training Materials webpage.)
3. Invoicing participants
 - a. We use the data from the reconciliation process to produce Preliminary settlement statements, Final settlement statements, Data Files, Recalculated settlement statements (RCSS) and Invoices for participants.
4. Transferring funds
 - a. Those that owe the market transfer funds to us, and we, in turn, pay those that are owed by the market. All funds are transferred using electronic funds transfer (EFT) – and all funds transfers must follow required timelines.

¹ We', 'our' and 'us' refer to the IESO. 'You' refers to the market participant.

1.2 Settling the Financial Market

Our only financial market is the Transmission Rights Market. We issue preliminary, final and Recalculated settlement statements (RCSS1 and RCSSF) and invoices for the financial market, as we do for the physical market, but the timelines are shorter and we issue less settlement statements in the financial market. (See the Transmission Rights workbook, available on our [Training Materials](#) webpage.)

Transmission rights use both the financial and physical market settlement processes:

- Payment for rights purchased in an auction are settled in the financial market
- Payout to TR holders is settled in the physical market



2. Gathering Data

The gathering and processing data process involves collecting market data inputs, rates and metering data.

2.1 Objectives

After completing this section, you will be able to:

- List the inputs and rates we use for our settlement process

2.2 Settlement Process Inputs

2.2.1 Market data Inputs

- Market schedules
- Market prices
- Dispatch instructions
- Bids and offers
- Ancillary services contract data
- Transmission rights ownership data
- Physical bilateral contract data

2.2.2 Rates

- Transmission tariff rates
- Rural and Remote Electricity Rate Protection (RRRP)
- Taxes
- IESO administration fee

2.2.3 Metered data

- Allocated energy quantities
- Peak demand data
- We use these inputs in our calculations to determine who owes what to the market and who, in turn, the market owes.

3. Reconciling Markets

Reconciling the markets involves calculating all the charges and payments required for the billing period. The process involves many inputs, including data from the markets, set rates for certain services and taxes, and metering data after it has been gathered and processed into settlement-ready data

3.1 Objectives

After completing this section, you will be able to:

- Understand the Settlement process at a high level
- Identify key charge type (CT) groups
- Understand the required steps to retrieve your statements

3.2 Charge Types

We identify all charges and payments on your settlement statements and invoices by charge type (CT).

The [IESO Charge Types and Equations](#) document, available in our [Market Rules and Manuals Library](#) webpage, lists and explains all charge types. It also gives you the formulas we use and explains the variables in the formulas.

Charge types are organized into the following series:

As of May 1, 2023, the 1100 series includes energy purchases and sales in the real-time markets.

The energy related CT's (1100 series) as well as former CT's (100 series) are listed in the table below:

Charge Types	Formerly	Participation Type
1101	100	Dispatchable Generators
1103	100	Dispatchable Loads
1111	100	Imports
1113	100	Exports
1114	101	Non-Dispatchable Generators
1115	101	Non-Dispatchable Loads

The 100 series:

- Congestion management settlement credits
- The transmission rights (TR) settlement credit
- The net energy market settlement uplift, which covers such things as the difference between what we pay for energy and what we charge for energy in the same hour – this difference is largely due to losses when energy moves on the grid

200 Series:

- The 200 series relates to energy purchases and sales in the operating reserve market, as well as associated uplifts.

300 Series:

- The 300 series relates to the capacity market, which has not been implemented. Therefore, you will not see any 300 series charge types on your statements.

400 Series:

- The 400 series relates to ancillary services, which are contracted services needed to help maintain the reliability of the grid. They include voltage regulation, reactive power, black start capability and automatic generation control.

500 Series:

- The 500 series relates to reliability must-run contracts, which are contracts negotiated with a generating facility that give us the power to direct the facility to generate power to maintain system reliability.

600 Series:

- The 600 series relates to transmission services provided to maintain and operate the IESO-controlled grid. The Ontario Energy Board (OEB) regulates these charges, which we collect from transmission service users and pay to transmission service providers.
- Transmission services charges cover the cost of the network infrastructure, line connections, and transformer connections.

700 Series:

- The 700 series relates to miscellaneous charges, including charges for rural rate assistance, debt retirement, and dispute resolution.

800 Series:

- The 800 series relates to the default levy, which we can use to cover situations where a market participant defaults on payments owed to the markets but their prudential support does not cover what they owe. Under the default levy, all participants, including suppliers, pay a portion of the outstanding amount.

900 Series:

- The 900 series covers charges related to taxes.

1000 Series:

- The 1000 series relates to the CMSC clawback for dispatchable loads.

1100 Series:

- The 1100 series relates to charges in the Day-ahead Commitment Process (DACP) and energy purchases and sales in the real-time markets.

1300 Series:

- The 1300 series relates to demand response programs.

1400 Series:

- The 1400 series relates to ancillary service contract charges and conservation charges.

Charge code 9990:

- This charge code is for the IESO administration fee, which covers our administrative costs, including market support and grid operations.

3.3 Steps in the Invoicing Process

There are a number of steps in our invoicing process:

1. We produce preliminary settlement statements for each trading day – these statements provide an initial opportunity for you to see what you owe to the market for that day, or what the market owes you for that day.
2. If you have a concern about a charge on your settlement statement (Preliminary, Final, RCSS 1-6) you can submit a notice of disagreement (NOD) explaining the issue and proposing a solution during the NOD submission window.
3. Ten business days after the preliminary statement is issued, the final settlement statement is available for each trade date.
4. Recalculated settlement statements (RCSS) will be issued if necessary to restate a trade date's original and resettled settlement charges. RCSS will be trade date specific, and will be issued if the trade date has been resettled. RCSS will be scheduled between FSS and the end of the period in which resettlements are available. The first RCSS (RCSS1) will be issued on the tenth business day in the second month that comes after the last business day in applicable trading month. E.g. for the trading day of May 2, 2023 the trading month is May and two months after would be July and the publication day of RCSS1 will be July 17, 2023 (10th business day in July). See Figure 2 for the RCSS 1 – 7/F publication schedule based on the **trading month** and Figure 1 for the RCSS 1- 7/F issuance based on the **Invoice issued date**.

- Once a month, we invoice consumers in the physical markets. We then transfer the money we collect from loads and exporters to transmitters and to energy and ancillary services providers, that is, to generators and importers.

3.4 Physical Settlement Schedule and NOD/Dispute Flow Chart

The following flow chart details the settlement statement and Invoice issuance schedule and the related NOD/Dispute timing.

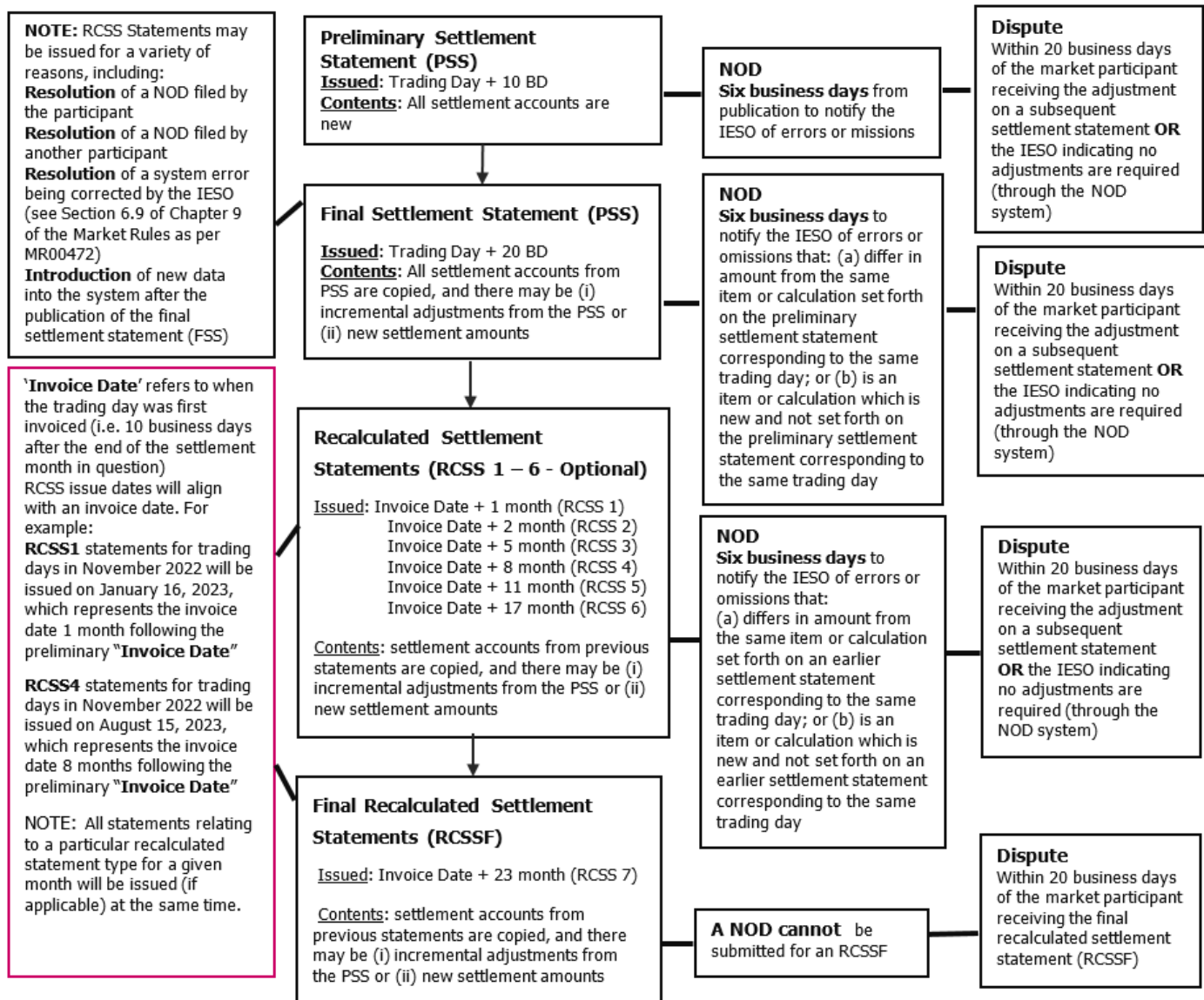


Figure 1 - RSS NOD Dispute Flow Chart for the Physical Market

4. Invoicing Participants

Invoicing participants involves using the data from the reconciliation process to produce preliminary settlement statements, final settlement statements, Data Files, Recalculated Settlement Statements (RCSS) and invoices for participants

4.1 Objectives

After completing this section, you will be able to:

- Understand the various settlement statements and data files that are published
- Identify the settlement statement and data file publication frequency

4.2 Settlement Statements and Data Files

A settlement statement file contains the settlement amounts (credit or debit) for your activities in the physical markets. It also includes your charges for transmission services, which we collect from market participants on behalf of the transmission companies.

The settlement statement file may also contain other charges as required by regulations.

4.2.1 Settlement Statement and Datafile Overview

A settlement statement is accompanied by a companion Data File. This file includes physical bilateral contract data, zonal prices, schedules, and bids and offers.

4.2.1.1 Preliminary Statement

A Preliminary statement is issued for every trading day. This statement provides participants the first opportunity to see and review details of charges and payments for a particular trading day

4.2.1.2 Final Statement

A Final Statement is issued for every trading day and includes any adjustments that were needed to the preliminary statement's numbers.

4.2.1.3 Data File

A Data File accompanies the preliminary, Final and RCSS settlement statements. This file provides additional information that can help you understand your settlement statement.

4.2.1.4 Recalculated Settlement Statements

Recalculated settlement statements (RCSS) will be issued as necessary to restate a trade date's original and resettled settlement charges. This is also referred to as a "resettlement" statement. There can be up to Seven RCSS statements issued over a two year time frame. See Figure 2 for the RCSS Publication Frequency.

4.2.2 Settlement Statements Frequency

Frequency for all applicable settlement statements related to a trade date within the resettlement period

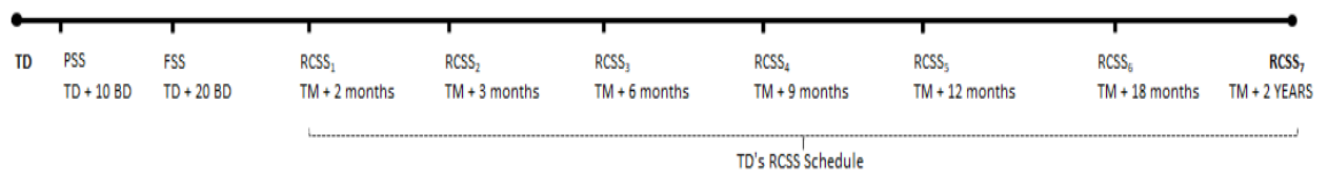


Figure 2 - Settlement Statement Publication Frequency

- Business Day (BD)
- Trade Date (TD)
- Last business day of Trading Month(TM) associated with the trade date
- Preliminary Settlement Statement (PSS)
- Final Settlement Statement (FSS)
- Recalculated Settlement Statement (RCSS 1 – 7/F)

Note: The settlement statement frequency for the financial market can be found in the [Transmission Rights Workbook](#).

Note: You can use the [IESO Settlement Schedule and Payment Calendars](#) to identify the various settlement statements, invoices and NOD deadline timelines Invoice

Settlement Statements provide you with a list of your debits and credits for each trading day of a billing period. However, you are not required to make payments or receive payment for these statements. You make and receive payments based on the Invoice. The Invoice contains payments and charges for one calendar month and certain adjustments from the applicable adjustment period.

4.3 Retrieving Your Settlement Statements, Invoices and Data Files

Each time a settlement statement file is issued, it will contain the best available settlement data for the trading day being settled. Also included in the file may be new settlement line items for trading days that differ to the trading day to which the settlement statement pertains.

You need to be assigned to a settlement related contact role or settlement reports system access role by an applicant representative of your organization.

See Appendix A on how to access your invoice and settlement statements.

5. Statement File and Data File Format

5.1 Objectives

After completing this section, you will be able to:

- Identify the various record types within the settlement statements and data files
- The settlement statement and data file publication frequency

5.2 Settlement Statement Record Types

There are five basic elements to a settlement statement:

- **Header record (H):** the first line of the statement – it provides a one-line summary of the day
- **Statement Change Record (CH):** provides information to the market participant if the current statement has a change from a previous issued settlement statement for the trading day
- **Summary records (SC):** provide totals for all charge types on the statement for the trading day
- **Detail records (DP):** provide breakdowns by hour and interval of all charges and credits on the statement
- **Manual records (MP):** used for any payments or charges that are not automatically processed

(For additional details, see [Format Specifications for Settlement Statement Files and Data Files](#), available in the [Market Rules and Manuals](#) library.)

	A	B	C	D	E	F	G	H	I	J
1	H	611	30-Sep-22	24640160	ST	P	P	-9446264	-9446264	30-Sep-22
2	CH	NO CHANGE								
3	SC	SETTLEMENT AMOUNT	30-Sep-22	-8328484	N					
4	SC	SETTLEMENT UPLIFT	30-Sep-22	-4188.56	N					
5	SC	155 CONGESTION MANAGEMENT SETTLEMENT UPLIFT	30-Sep-22	2605.72	N					
6	SC	SETTLEMENT DEBIT	30-Sep-22	-9.48	N					
7	SC	FREE RECOVERY DEBIT	30-Sep-22	-308.97	N					
8	SC	186 INTERMITTENT CHARGE REBATE	30-Sep-22	210.83	N					
9	SC	250 10 MINUTE ROLLING MARKET RESERVE HOURLY UPLIFT	30-Sep-22	-166.43	N					
10	SC	MARKET RESERVE HOURLY UPLIFT	30-Sep-22	54.6	N					
11	SC	ROLLING MARKET HOURLY UPLIFT	30-Sep-22	-0.36	N					
12	SC	451 HOURLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	30-Sep-22	-89.44	N					
13	SC	452 MONTHLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	30-Sep-22	-42.03	N					
14	SC	753 RURAL RATE SETTLEMENT CHARGE	30-Sep-22	-109.58	N					
15	SC	1115 NON-DISPATCHABLE LOAD SETTLEMENT AMOUNT	30-Sep-22	-15804.5	N					
16	SC	1351 CAPACITY BASED RECOVERY AMOUNT FOR CLASS B LOADS	30-Sep-22	-12880.1	N					
17	SC	1463 RENEWABLE GENERATION CONNECTION - MONTHLY COMPENSATION AMOUNT SETTLEMENT DEBIT	30-Sep-22	-35.22	N					
18	SC	CHARGE	30-Sep-22	-278.54	N					
19	SC		30-Sep-22	592.67	N					
20	SC		30-Sep-22	-1087331	N					
21	DP	148	30-Sep-22	0	0	-8328484	ONZN	6004	P	219.152
22	DP		30-Sep-22	1	0	572.07	ONZN		P	12.952
23	DP		30-Sep-22	2	0	454.96	ONZN		P	13.012
24	DP		30-Sep-22	3	0	286.01	ONZN		P	15.258
25	DP	150	30-Sep-22	6	0	85.42	ONZN		P	5.343
26	MP	9949	30-Sep-22	0	0	-6265583	ONZN		P	

Figure 2 - Settlement Statement Record Types

5.2.1 Header record

(For additional details, see [Format Specifications for Settlement Statement Files and Data Files Table 2-1](#), available in the [Market Rules and Manuals](#) library.)

The header record is always the first line in a settlement statement. The vertical bars between the header items are 'pipes', or separators.

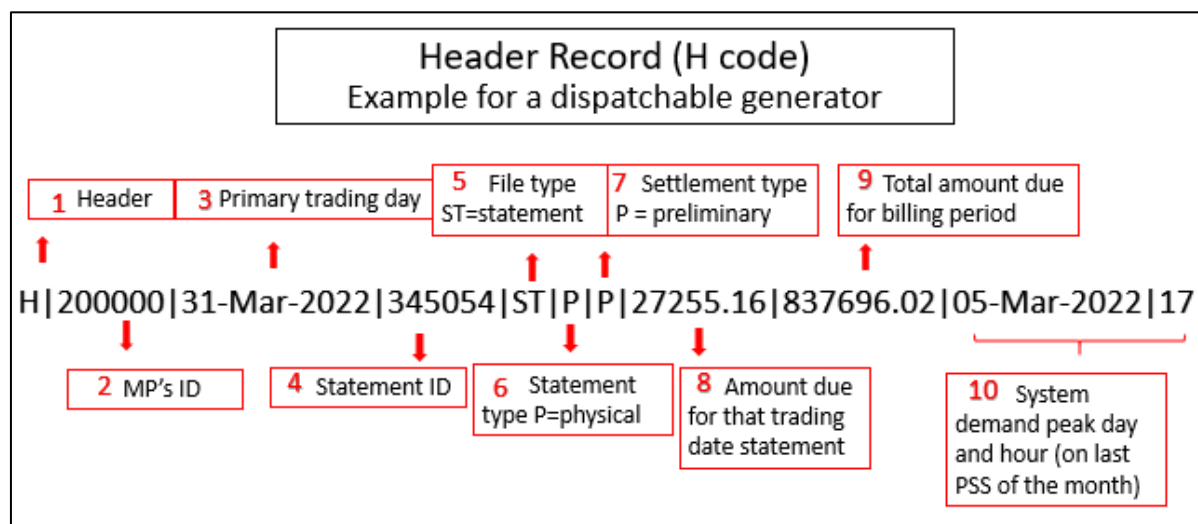


Figure 3 - Settlement Statement Header Record

1. The **header** record begins with an 'H' identifying it as a header record.
2. After the first pipe is the MP's unique ID number (**MP's ID**). This identifies this statement as applying to this particular MP. This can be important, for example, for settlement services that download and process statements for several different participants.
3. The **Primary Trading Day** is next. This is the trade date for this statement.
4. Next is the **Statement ID**. This is the identifier for this statement – you need to enter this number if you are submitting a notice of disagreement. It is also useful for cross-referencing statements to data files.
5. The **File Type** 'ST' identifies that this is a statement file as opposed to a data file.
6. 'P' in the **Statement Type** indicates that this is a statement of charges and credits in the physical market. If this field contained an 'F', this would be a financial market statement.
7. Because this is a preliminary settlement statement, the **Settlement Type** is a 'P' for preliminary, F for a final settlement statement or any resettlement type R1 – 6 or RF.
8. The total **Amount Due** is next. If preceded by a minus sign, this is the amount that the MP owes to the market for the trading day - otherwise, this is the amount due from the market for the trading day.
9. **Total amount due for billing Period** is the cumulative total of the physical market settlement statements to date in this billing period for this MP.

- 10.** On the last trading day of the month, the header record also displays the day and hour of the **system peak demand** over the month. This helps loads confirm the calculation of the network transmission tariff charge.

5.2.2 Statement File Change Records

(For additional details, see [Format Specifications for Settlement Statement Files and Data Files Table 2.4.2](#), available in the [Market Rules and Manuals](#) library.)

These records provide information to the market participant if the current statement has a change from a previous issued settlement statement for the trading day. A change constitutes adjustment or first time transaction that appear on the current statement. By default, a preliminary settlement statement will be “NO CHANGE” since this is the first statement being issued to the participant for a given trading day.

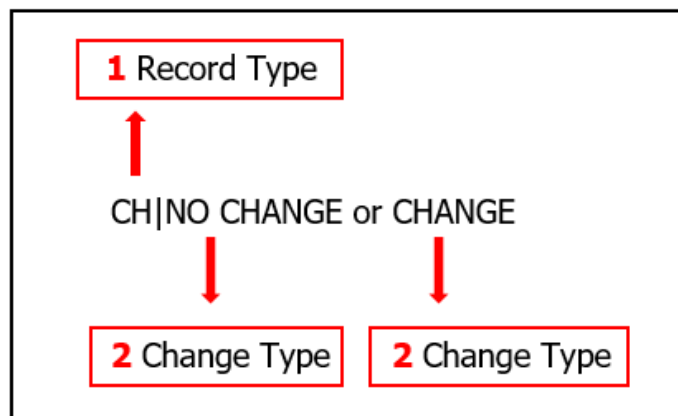


Figure 4 - Statement Change Record

- 1.** Statement File Change Records have the letters 'CH' for the Record Type located in first column.
- 2.** The Change record indicates there is a change in the current settlement statement from a previous issued settlement statement for the trading day. The value could be "Change" to indicate there is a change or "No Change" to indicate there is no change.

5.2.3 Summary record

(For additional details, see *Format Specifications for Settlement Statement Files and Data Files Table 2-2*, available in the [Market Rules and Manuals](#) library).

Summary Records provide a summary of all settlement detail and manual line item records in the statement. One record is included for each combination of date and charge type existing in the Detail and Manual records. For a final statement, adjustment summary records will not be printed if there are no adjustments to the preliminary settlement on the specific date for the specific charge type.

Summary Records break down the total for the trading day as shown in the header record into the applicable charge types:

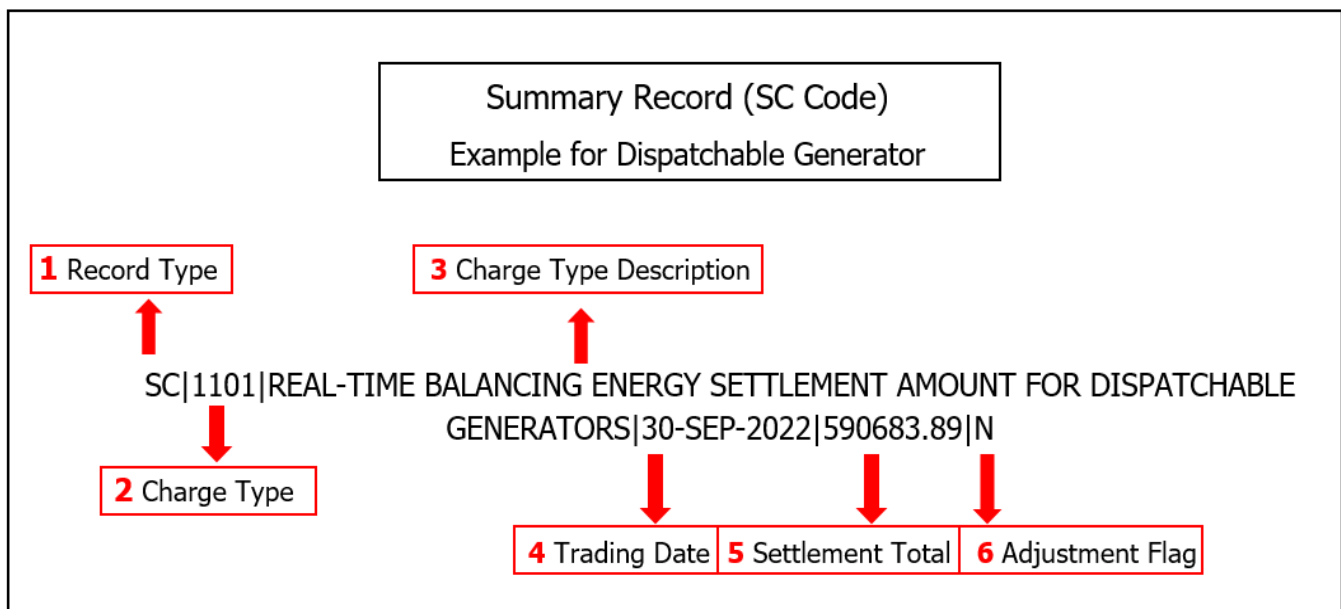


Figure 5 -Summary Record

1. Summary records have the letters 'SC' for the Record Type located in first column.
2. After the first pipe is the Charge Type number the summary record refers to, in this case, charge type 1101. Therefore, this is the summary record for energy sold in the physical market on this day by this dispatchable generator.
3. The Charge Type Description is a brief description of the charge type.
4. The Trading Date refers to the date the summary record applies to.
5. The Settlement Total is the net amount of settlements for that charge type for the trading day. in this case, the total amount due from the market for charge type 1101 is \$590,683.89.
6. The Adjustment Flag indicates whether the record has been adjusted ('Y': Yes, or 'N': No).). Adjustments are determined if there is a change in the charge type amounts between the current statement and any previous statement(s). The adjustment flag will always be 'N' for Preliminary statements.

5.2.4 Detail record

(For additional details, see *Format Specifications for Settlement Statement Files and Data Files Table 2.3*, available in the [Market Rules and Manuals](#) library.)

These records provide the details of each individual settlement line item that is created by the system for the market participant.

When a transaction is computed for the first time, in any settlement statement, it will have a settlement type of 'P'. When a final settlement statement is issued (the next statement after preliminary), all records from the preliminary settlement statements will be represented by a settlement type of 'C'.

Any adjustments made to a transaction from a previous settlement statement, will have a settlement type of 'A' in the latest settlement statement. When the next settlement statement is issued for the trading day, the settlement type is updated to represent where the adjustment originated. This also applies to first time transaction that do not appear in a preliminary settlement statement. For example, there was an adjustment and first time transaction made at the final settlement statement. There will exist a detail record with a settlement type of 'A' to represent the adjustment and a detail record with a settlement type of 'P' to represent the first time transaction. When the next settlement statement is issued (Resettlement 1 statement for example) the settlement type for both detail records will update to an 'F' to document that the transactions first appeared in the final settlement statement.

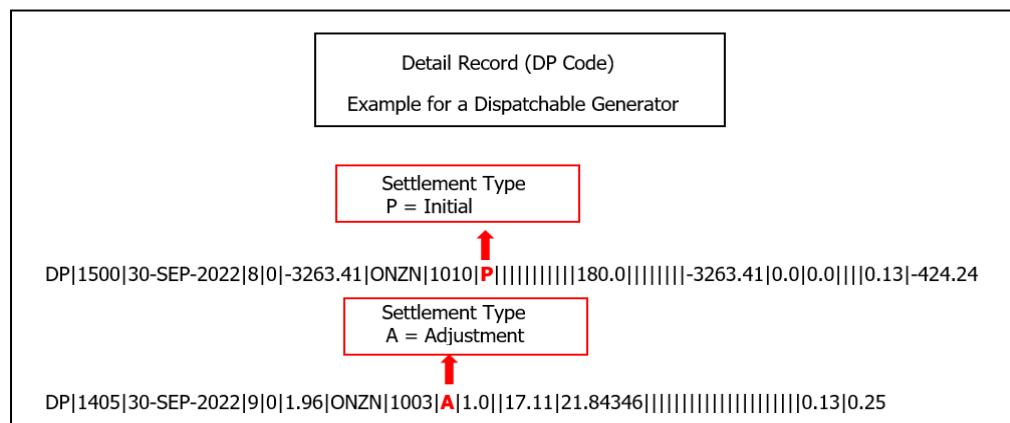


Figure 6 - Detail Record Adjustment Example

Example for a dispatchable generator:

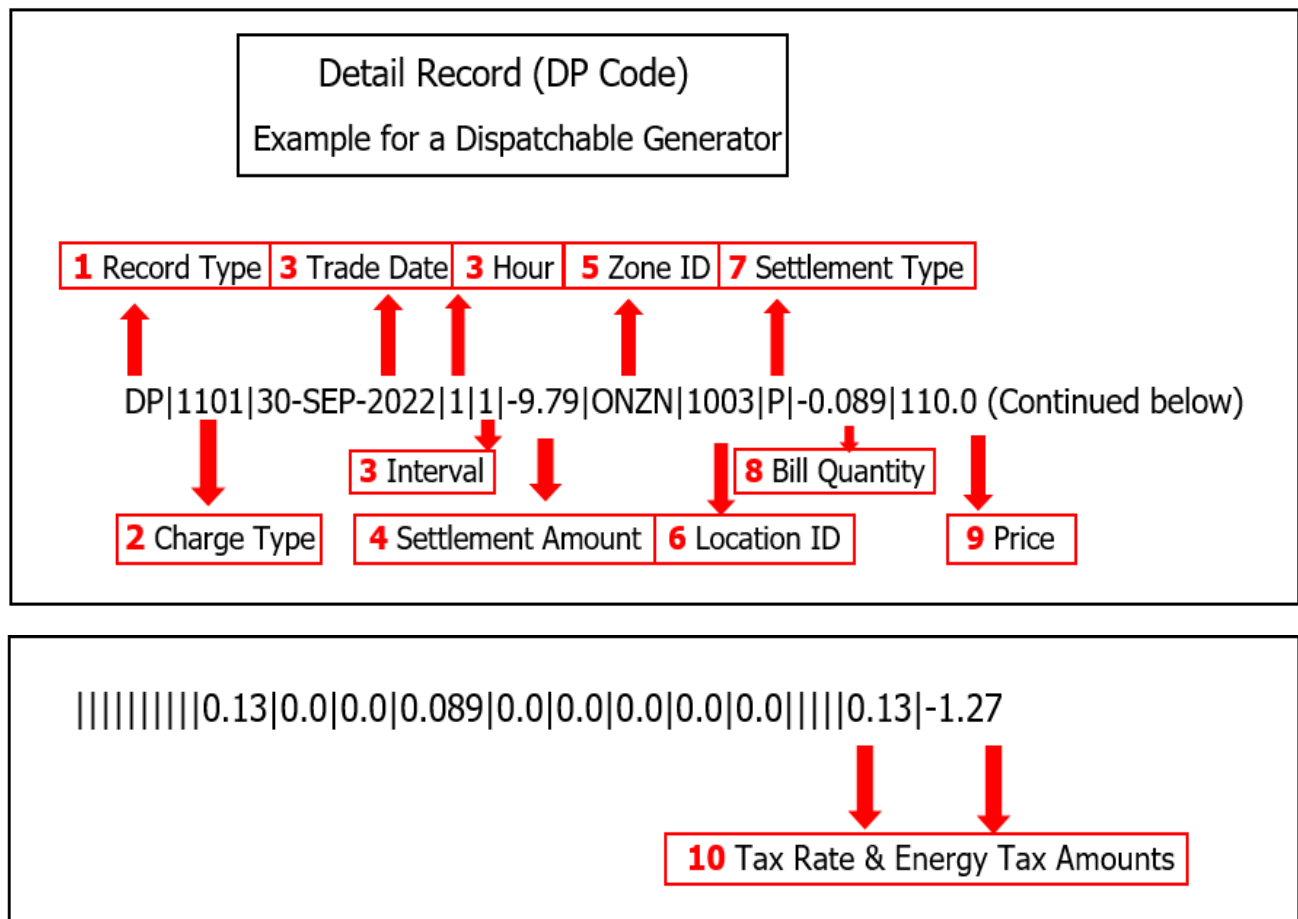


Figure 7 - Detail Record

For each charge type shown in the summary records, there are corresponding detail records. The total of the detail records for any charge type equals the total in the corresponding summary record (taking in account any MP records).

Detail Record Highlights:

1. The **Record Type** 'DP' appears at the beginning of the line to indicate that this is a detail record.
2. Next is the **Charge Type** that this detail record provides information about – in this case, charge type 1101.
3. Next are the **Trade Date**, **Hour** and **Interval** for this record. Prices and some charge types are determined every five minutes. Therefore, the information supplied in a detail record is broken down where appropriate by hour and by interval.

For example, here we have information about charge type 1101 for September 30, 2022, for Hour Ending 1, Interval 1. There are 12 five-minute intervals in an hour. Please note that even for a dispatchable facility, not all charges are broken down to the interval level. Some are calculated hourly. If this had been an hourly charge, the interval would appear as '0'. The interval for monthly charges also appears as '0'. There is no monthly column so monthly

charges will appear on the statement as either 'hour 0 interval 0' or 'hour 24 Interval 0'

4. Next is the **Settlement Amount** for the interval for this charge type – the amount either owed by or owed to this market participant.
5. The **Zone ID** is next. We determine energy prices for Ontario and for each of the intertie zones. ONZN indicates that this detail record refers to transactions in the Ontario zone.
6. The **Location ID** is a number that identifies the point at which the energy being settled is determined to have entered or left the grid – often referred to as the delivery point or defined meter point.
7. **Settlement Type** is always 'P' for transactions calculated for the first time. Any adjustments made to a transaction from a previous settlement statement, will have a settlement type of 'A' in the latest settlement statement. See the illustration in Appendix D to understand how the settlement type for a record will change based on the statement it appears on.
8. The **Bill Quantity** is next. This is the amount of energy transacted by this market participant in the interval. (Note that if there is a physical bilateral contract in effect, the bill quantity will not equal the allocated quantity of energy injected (AQEI) or the allocated quantity of energy withdrawn (AQEW). For more information on physical bilateral contracts, please refer to the *Physical Bilateral Contracts* workbook, available on our [Training Materials](#) web pages.
9. Next is the **Price** applicable during the interval. Using the bill quantity and the price, you can confirm the **Settlement Amount**.
10. The **Tax Rate** and the **Tax Billed** are shown at the end of the record.

There are a number of pipes with no numbers between them – these are space holders for fields that do not apply to this charge type. This example is for a dispatchable generator – different charge types may use different fields.

5.2.5 Manual Record

These records identify each individual manual line item that has been entered by an IESO user for a market participant. Manual line items will be included in the statement if the affected date is the trading date of the statement or if the affected date is less than the trading date of the statement. The Manual Line items are represented in the same manner as the General Statement File Detail Records.

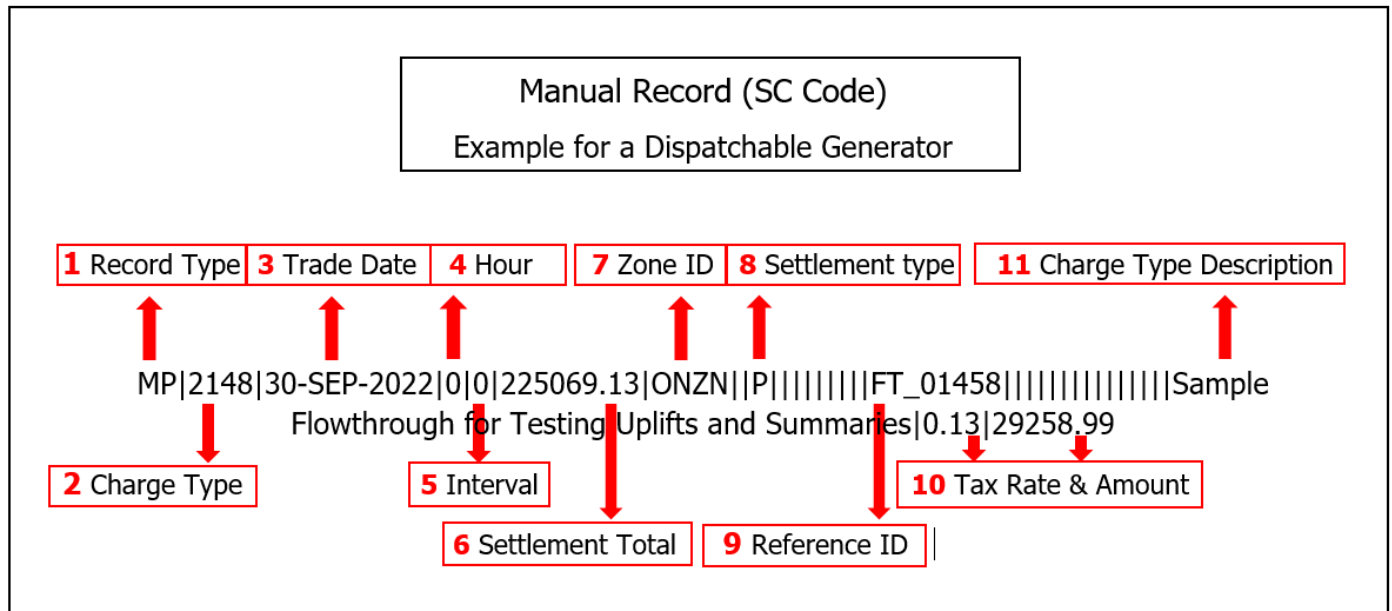


Figure 8 - Manual Record

Manual Record Highlights:

1. The **Record Type** 'MP' appears at the beginning of the line to indicate that this is a Manual record.
2. Next is the **Charge Type** that this manual record provides information about – in this case, charge type 2148.
3. The **Trading Date** refers to the date the manual record applies to. This date is important to note, as a preliminary settlement statement can include information about more than one trading day.
4. The **Trading Hour** refers to the specific hours of the manual line item (0 for a non-hourly charge).
5. The **Trading Interval** refers to the specific Trading Interval of the manual line item (0 for a non-hourly or hourly charge).
6. **Settlement Amount** refers to Settlement amount for the indicated manual line item of HST.
7. The **Zone ID** is next. We determine energy prices for Ontario and for each of the intertie zones. ONZN indicates that this manual record refers to transactions in the Ontario zone.
8. **Settlement type**(single field) indicates an adjustment or a first time transaction occurred on the statement
9. The **Reference ID** is an IESO internal identifier for the manual record.

- 10.**The **Tax Rate & Amount** is the HST rate and dollar amount that corresponds to the settlement amount.
- 11.**The **Charge Type Description** is a brief description of the charge type.

5.3 Data Files

A data file accompanies every issued settlement statement. Each data file will correspond to a statement, and will have the same settlement statement ID. This file provides additional information that can help you understand your settlement statement.

Data files are formatted as pipe-delimited text files (the same format we use for the settlement statements)

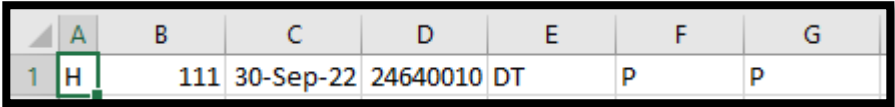
- Data files start out with a header record
- Next, if applicable, we provide physical bilateral contract information, including:
 - The buyer's and seller's market participant ID numbers
 - The location ID for the settlement of the physical bilateral contract
 - The trading dates and hours to which the contract applies
 - Details on any reallocation of uplifts between the buyer and the seller
- The zonal price data section of the data file provides you with all of the prices in the market on the trading day in both the Ontario zone and all of the intertie zones

If your facility is dispatchable, you receive two additional records:

- Schedule data showing how we scheduled your facility
- Bid and offer data showing all your submitted bids and offers

If you request it, the data file can also include your revenue meter measurement data. If you are interested in this option, please contact [IESO Customer Relations](#).

5.3.1 Data File Record Type Cross Reference

Record Type	Domain	Description
Header Record	H	Indicates the type of record as a File Header Record
		

Data File Physical Bilateral Contract Data	B	These records provide the physical bilateral contract data used in the corresponding statement for the market participant. All the records have the market participant as either the buyer or the seller.																																																
<table><tr><th></th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th><th>G</th><th>H</th><th>I</th></tr><tr><td>1</td><td>B</td><td>111</td><td>216</td><td></td><td>2005</td><td></td><td>ONZN</td><td>30-Sep-22</td><td>1</td></tr><tr><td>2</td><td>B</td><td>111</td><td>216</td><td></td><td>2005</td><td></td><td>ONZN</td><td>30-Sep-22</td><td>2</td></tr><tr><td>3</td><td>B</td><td>111</td><td>216</td><td></td><td>2005</td><td></td><td>ONZN</td><td>30-Sep-22</td><td>3</td></tr></table>				A	B	C	D	E	F	G	H	I	1	B	111	216		2005		ONZN	30-Sep-22	1	2	B	111	216		2005		ONZN	30-Sep-22	2	3	B	111	216		2005		ONZN	30-Sep-22	3								
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3	B	111	216		2005		ONZN	30-Sep-22	3																																									
Data File Zonal Price Data	P	These records provide all real-time and hourly zonal prices used in the corresponding statement. Because prices are over zones instead of market participants, all prices for the primary trading date are included																																																
<table><tr><th></th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th><th>G</th></tr><tr><td>1</td><td>P</td><td>H</td><td>30-Sep-22</td><td>15</td><td>0</td><td>ONZN</td><td>83.89</td></tr><tr><td>2</td><td>P</td><td>H</td><td>30-Sep-22</td><td>17</td><td>0</td><td>ONZN</td><td>120.84</td></tr><tr><td>3</td><td>P</td><td>H</td><td>30-Sep-22</td><td>20</td><td>0</td><td>ONZN</td><td>59.36</td></tr></table>				A	B	C	D	E	F	G	1	P	H	30-Sep-22	15	0	ONZN	83.89	2	P	H	30-Sep-22	17	0	ONZN	120.84	3	P	H	30-Sep-22	20	0	ONZN	59.36																
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3	P	H	30-Sep-22	20	0	ONZN	59.36																																											
Data File Schedules Data	S	These records provide the <i>Dispatchable Participants</i> market and dispatch schedules data used in the corresponding statement for the market participant																																																
<table><tr><th></th><th>A</th><th>B</th><th>C</th><th>D</th><th>E</th><th>F</th><th>G</th><th>H</th><th>I</th><th>J</th><th>K</th></tr><tr><td>1</td><td>S</td><td>1007</td><td>G</td><td>D</td><td>R</td><td>1</td><td>30-Sep-22</td><td>20</td><td>0</td><td>ONZN</td><td>106.4</td></tr><tr><td>2</td><td>S</td><td>1003</td><td>G</td><td>D</td><td>R</td><td>1</td><td>30-Sep-22</td><td>6</td><td>0</td><td>ONZN</td><td>49.7</td></tr><tr><td>3</td><td>S</td><td>1007</td><td>G</td><td>D</td><td>R</td><td>1</td><td>30-Sep-22</td><td>14</td><td>0</td><td>ONZN</td><td>219.2</td></tr></table>				A	B	C	D	E	F	G	H	I	J	K	1	S	1007	G	D	R	1	30-Sep-22	20	0	ONZN	106.4	2	S	1003	G	D	R	1	30-Sep-22	6	0	ONZN	49.7	3	S	1007	G	D	R	1	30-Sep-22	14	0	ONZN	219.2
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2	S	1003	G	D	R	1	30-Sep-22	6	0	ONZN	49.7																																							
3	S	1007	G	D	R	1	30-Sep-22	14	0	ONZN	219.2																																							
Data File Bid/Offer Data	V	These records provide the <i>Dispatchable Participants</i> energy and operating reserve bid and offer data used in the corresponding statement for the market participant																																																

<table><tr><td>472</td><td>V</td><td>1007</td><td>ONZN</td><td></td><td></td><td>1</td><td>30-Sep-22</td><td>19</td><td>0</td><td>7</td><td>0</td><td>5.5</td><td>15</td></tr><tr><td>473</td><td>V</td><td>1003</td><td>ONZN</td><td></td><td></td><td>1</td><td>30-Sep-22</td><td>8</td><td>0</td><td>3</td><td>0</td><td>145.03</td><td>50.9</td></tr><tr><td>474</td><td>V</td><td>1007</td><td>ONZN</td><td></td><td></td><td>1</td><td>30-Sep-22</td><td>16</td><td>0</td><td>5</td><td>0</td><td>5.7</td><td>15</td></tr><tr><td>475</td><td>V</td><td>4003</td><td>NYSI</td><td>104492</td><td>MISI</td><td>1</td><td>30-Sep-22</td><td>19</td><td>0</td><td>2</td><td>0</td><td>35</td><td>25</td></tr></table>													472	V	1007	ONZN			1	30-Sep-22	19	0	7	0	5.5	15	473	V	1003	ONZN			1	30-Sep-22	8	0	3	0	145.03	50.9	474	V	1007	ONZN			1	30-Sep-22	16	0	5	0	5.7	15	475	V	4003	NYSI	104492	MISI	1	30-Sep-22	19	0	2	0	35	25
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475	V	4003	NYSI	104492	MISI	1	30-Sep-22	19	0	2	0	35	25																																																							
Measurement Data (Optional)				M			Measurement Data Records are optionally provided to eligible market participants at their request																																																													
<table><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td><td>H</td><td>I</td><td>J</td><td>K</td><td>L</td></tr><tr><td>1</td><td>M</td><td>1007</td><td>G</td><td>D</td><td>30-Sep-22</td><td>24</td><td>6</td><td>ONZN</td><td>0.14</td><td>W</td><td>A</td><td>W</td></tr><tr><td>2</td><td>M</td><td>1005</td><td>G</td><td>D</td><td>30-Sep-22</td><td>1</td><td>10</td><td>ONZN</td><td>37.7</td><td>W</td><td>A</td><td>I</td></tr><tr><td>3</td><td>M</td><td>1005</td><td>G</td><td>D</td><td>30-Sep-22</td><td>13</td><td>1</td><td>ONZN</td><td>37.4</td><td>W</td><td>A</td><td>I</td></tr></table>														A	B	C	D	E	F	G	H	I	J	K	L	1	M	1007	G	D	30-Sep-22	24	6	ONZN	0.14	W	A	W	2	M	1005	G	D	30-Sep-22	1	10	ONZN	37.7	W	A	I	3	M	1005	G	D	30-Sep-22	13	1	ONZN	37.4	W	A	I				
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2	M	1005	G	D	30-Sep-22	1	10	ONZN	37.7	W	A	I																																																								
3	M	1005	G	D	30-Sep-22	13	1	ONZN	37.4	W	A	I																																																								
Data File Withdrawal Data				W			These records provide the withdrawal data used in the corresponding statement for the market participant. They include all withdrawal data within the market participant’s control with the primary trading date of the corresponding statement as the date																																																													
Data File Daily Generation Data				G			These records provide the daily generation data (DGD) for physical units (PU) and for pseudo units (PSU), calculated by the IESO, and used in the corresponding statement for the market participant. They include all daily generation data with the primary trading date of the corresponding statement as the date.																																																													
<table><tr><td>2</td><td>G</td><td>1003</td><td>30-Sep-22</td><td>N</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td></td></tr><tr><td>3</td><td>G</td><td>1005</td><td>30-Sep-22</td><td>N</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td></td></tr><tr><td>4</td><td>G</td><td>1007</td><td>30-Sep-22</td><td>N</td><td></td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td></td><td></td></tr></table>													2	G	1003	30-Sep-22	N		0	0	0	0	0			3	G	1005	30-Sep-22	N		0	0	0	0	0			4	G	1007	30-Sep-22	N		0	0	0	0	0																			
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4	G	1007	30-Sep-22	N		0	0	0	0	0																																																										
Data File MLP Constrained Schedule Data				C			These records provide the MLP constrained schedule quantities calculated by the IESO and used in the corresponding statement for the market participant. They include all MLP constrained schedule quantities with the primary																																																													

		trading date of the corresponding statement as the date.																												
Data File Outages Data	O	These records provide the outages used in the corresponding statement for the market participant. They include all outages with the primary trading date of the corresponding statement as the date.																												
<table><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td></tr><tr><td>7</td><td>O</td><td>1007</td><td>30-Sep-22</td><td>13</td><td>9</td><td>257</td></tr><tr><td>8</td><td>O</td><td>1003</td><td>30-Sep-22</td><td>17</td><td>10</td><td>54</td></tr><tr><td>9</td><td>O</td><td>1005</td><td>30-Sep-22</td><td>18</td><td>12</td><td>515</td></tr></table>				A	B	C	D	E	F	7	O	1007	30-Sep-22	13	9	257	8	O	1003	30-Sep-22	17	10	54	9	O	1005	30-Sep-22	18	12	515
	A	B	C	D	E	F																								
7	O	1007	30-Sep-22	13	9	257																								
8	O	1003	30-Sep-22	17	10	54																								
9	O	1005	30-Sep-22	18	12	515																								
Nodal Price Data	N	These records provide market participants with day-ahead and pre-dispatch nodal price data used in the corresponding statement for the market participant. They include all nodal prices with the primary trading date of the corresponding statement as the date.																												
<table><tr><td>4386</td><td>N</td><td>X</td><td>30-Sep-22</td><td>6</td><td>0</td><td>4008 MBSI</td><td>41.03</td></tr><tr><td>4387</td><td>N</td><td>X</td><td>30-Sep-22</td><td>3</td><td>0</td><td>4004 NYSI</td><td>-4.66</td></tr><tr><td>4388</td><td>N</td><td>X</td><td>30-Sep-22</td><td>1</td><td>0</td><td>4008 MBSI</td><td>6.08</td></tr></table>			4386	N	X	30-Sep-22	6	0	4008 MBSI	41.03	4387	N	X	30-Sep-22	3	0	4004 NYSI	-4.66	4388	N	X	30-Sep-22	1	0	4008 MBSI	6.08				
4386	N	X	30-Sep-22	6	0	4008 MBSI	41.03																							
4387	N	X	30-Sep-22	3	0	4004 NYSI	-4.66																							
4388	N	X	30-Sep-22	1	0	4008 MBSI	6.08																							

5.4 Format Specifications for Settlement Statement Files and Data Files

Any time you are working with your settlement statements, we recommend that you have a copy of the Format Specifications for Settlement Statement Files and Data Files document available. It contains most of the information you need to know about how settlement statements are structured and what they contain. This document is available in the [Market Rules and Manuals](#) library.

5.5 Opening pipe-delimited text files

Our settlement statements are formatted as pipe-delimited text files. If you open them in WordPad or Word, the columns collapse together, making the statement difficult to read. However, if you open the statement or data file in Excel, you will see the columns spread out.

See Appendix B for step by step instruction on how to import settlement statements into Microsoft Excel.

5.6 \$0 Amounts on Settlement Statements

You will also be given the opportunity to request that \$0 amounts are included on all of your settlement statements, including RCSS statements. You can opt in to receive all recalculated settlement statements and/or include \$0 amounts by sending a request to IESOCustomerRelations@ieso.ca requesting to receive all recalculated settlement statements and/or \$0 amounts.

The market participant's "Settlement" contact identified in the IESO's Registration system must send the request.

6. Preliminary Settlement Statement

Note: Once we have processed all the meter data and have determined all the charges and credits in the market, we can begin invoice process.

6.1 Objectives

After completing this section, you will be able to:

- Understand the purpose of the Preliminary statement
- Understand the publication timing of the Preliminary statement

6.2 Preliminary Settlement Statements

We issue preliminary settlement statements ten business days after each trading day. For example, we issued the preliminary settlement statement for the March 5, 2022 trading day on March 18, 2022 calendar day.

The preliminary settlement statement is your first look at charges and revenues for that day.

Note: Keep in mind that some charges are calculated monthly instead of daily, and appear only on the preliminary settlement statement for the last calendar day of the month. [Chage types and Equations](#) document shows if charges are calculated monthly instead of daily or hourly

March 2022						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Trading Day (March **5**)

Preliminary Statement (March **18**)

Although we issue a preliminary settlement statement for each trading day, we issue the statements only on business days. This means that on some days we issue more than one preliminary settlement statement. For example, on Friday, March 25, 2022, we issued preliminary settlement statements for March 11, 12 and 13.

7. Final Settlement Statements

7.1 Objectives

After completing this section, you will be able to:

- Distinguish between preliminary and final settlement statements
- Understand publication timelines for final settlement statements
- Understand how changes to Preliminary totals are displayed

7.2 Final Settlement Statements

We issue the final settlement statement 10 business days after we issue the preliminary settlement statement. The final settlement statement includes any adjustments that were needed to the preliminary statement's numbers – for example, if the numbers changed as a result of a settled notice of disagreement.

March/April 2022						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
						Trading Day (March 5)
6	7	8	9	10	11	12
13	14	15	16	17	18	19
						Preliminary Statement (March 18)
20	21	22	23	24	25	26
27	28	29	30	31	1	2
						Final Statement (April 1)

Final settlement statements are in the same, pipe-delimited format as preliminary settlement statements.

As with the preliminary settlement statements, final settlement statements include header records, a change record, summary records, and detail records. They can also include manual line items.

7.3 Adjustments to the Settlement Statements

7.3.1 Final Statement

The final settlement statement always includes all of the summary and detailed records from the preliminary settlement statement.

7.3.1.1 Header record:

The header record is always the first line in a settlement statement. For a Final statement the statement type will be 'F'

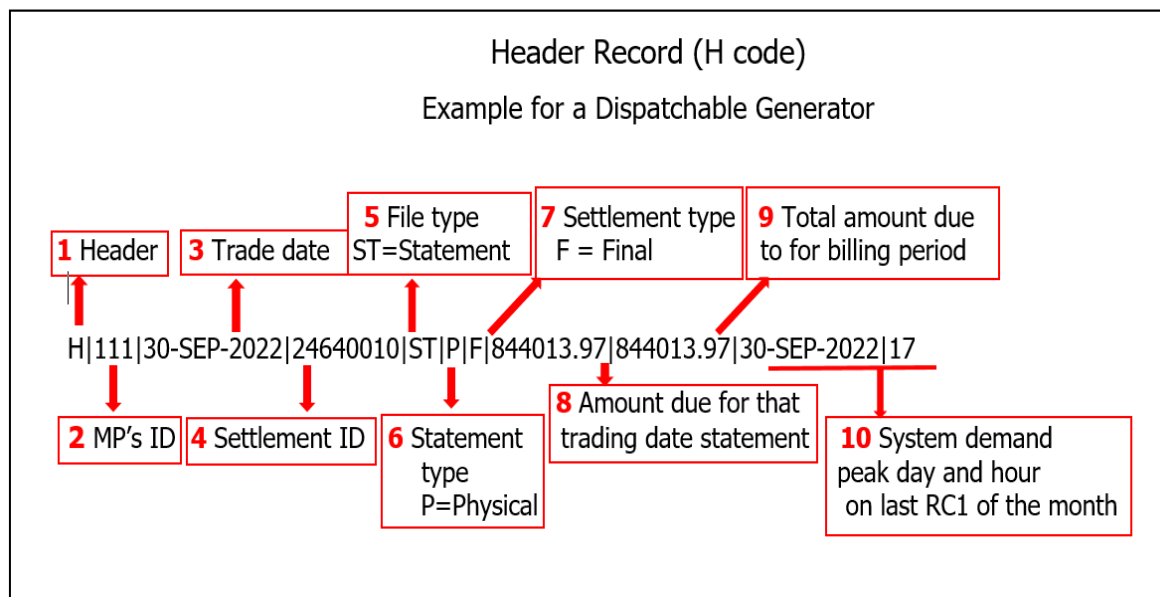


Figure 9 - Header Record for Final

1. The **header** record begins with an 'H' identifying it as a header record.
2. After the first pipe is the MP's unique ID number (**MP's ID**). This identifies this statement as applying to this particular MP. This can be important, for example, for settlement services that download and process statements for several different participants.
3. The **trade Date** is next. This is the trade date for this statement.

4. Next is the **Statement ID**. This is the identifier for this statement – you need to enter this number if you are submitting a notice of disagreement. It is also useful for cross-referencing statements to data files.
5. The **File Type** 'ST' identifies that this is a statement file as opposed to a data file.
6. 'P' in the **Statement Type** indicates that this is a statement of charges and credits in the physical market. If this field contained an 'F', this would be a financial market statement.
7. Because this is a Final settlement statement, the **Settlement Type** is a 'F'.
8. The total **Amount Due** is next. If preceded by a minus sign, this is the amount that the MP owes to the market for the trading day - otherwise, this is the amount due from the market for the trading day. In this case, the MP is owed \$844,013.97. The total amount due is the sum of all of the subtotals shown in the summary record lines that follow.
9. **Total amount due for billing Period** is the cumulative total of the physical market settlement statements to date in this billing period for this MP.
10. On the last trading day of the month, the header record also displays the day and hour of the **system peak demand** over the month. This helps loads confirm the calculation of the network transmission tariff charge.

7.3.1.2 Change record

The Statement File Change Record provides a flag that indicates if there is a change from a previously issued statement. A change constitutes adjustment or first time transaction that appear on the current statement. The value could be "Change" to indicate there is a change or "No Change" to indicate there is no change.

7.3.1.3 Summary records:

Information from preliminary statement included. The adjustment flag on these records is set to 'N' for 'no'.

Adjustment shows as new line.

If we have made an adjustment to a charge type, an additional line with the new information is included below the line from the preliminary statement that is being adjusted.

Below any changed records, you will also see a second summary record, with the adjustment flag set to 'Y' for 'yes'.

Incremental change shown

Note: that the second summary record indicates the incremental change to the amount due for this charge type from the preliminary statement – it does not indicate the total, final, correct amount due.

Therefore, you have to add the original line and the revised line in order to determine what the final amount owed is for that charge type.

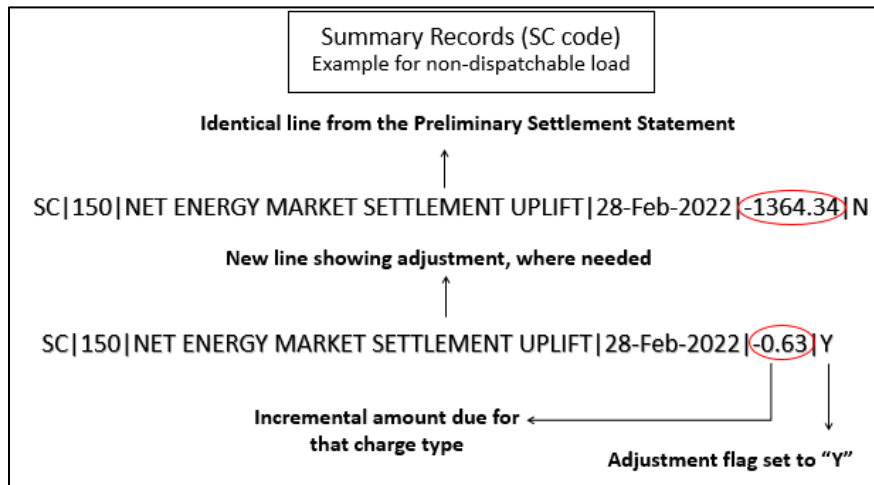


Figure 10 - Summary Record Change Flag

In the example above, the preliminary statement indicated that this load owed the markets \$1,364.34. However, the adjustment indicates that they actually owe 63 cents more than that. Adding these two tells you that this MP actually owes \$1364.97.

7.3.1.4 Detail records

The detail record for a final settlement statement follows the same basic pattern as the final settlement statement summary record:

You will always see a repeat of the information from the preliminary settlement statement.

If we have made adjustments to the charge type, the detail record is repeated.

The settlement type in the line copied from the preliminary settlement statement is always set to 'C' instead of 'P' to identify it as a copy.

The settlement type on the new line is set to 'A' indicating that this is the adjusted amount.

The values in **the settlement amount** and **tax amount** fields in the adjusted detail record line are the **incremental values** from those in the preliminary settlement statement.

In **any other field**, the amount shown represents the **revised total, not an incremental change** from the preliminary settlement statement.

8. Recalculated Statements

A recalculated settlement statement is issued for each applicable trading day in the physical markets and a separate recalculated settlement statement is issued for each applicable trading day in the financial markets, each on the date specified in the SSPC.

8.1 Objectives

After completing this section, you will be able to:

- Understand the purpose of an RCSS
- Understand the RCSS header record values
- Understand how to opt in to receive all RCSS statements (RCSS 1-7/F)
- Understand what an Ad Hoc resettlement statement is

Recalculated settlement statements are generated automatically by the IESO's Commercial Reconciliation System (CRS) and are available by 17:00 EST on the issue date. Market participants may download their recalculated settlement statements from the IESO Reports site.

Recalculated settlement statements will relate to a single trading day, be in the same format as the Preliminary and Final settlement statement and will include:

- all the information in the preliminary settlement statement, the final settlement statement, and
- any recalculated settlement statements issued for the relevant trading day; and
- any adjustments resulting from the notice of disagreement process

When more than one recalculated settlement statements are due to be issued, pursuant to the SSPC, on the same business day, a separate recalculated settlement statement file will be issued for each trading day.

There are up to seven RCSS runs, please refer to Figure 2 Settlement Statement Publication Frequency

The IESO is only required to provide certain recalculated settlement statements, such as final recalculated settlement statements and any other recalculated settlement statements which contain an adjustment.

8.2 Header record

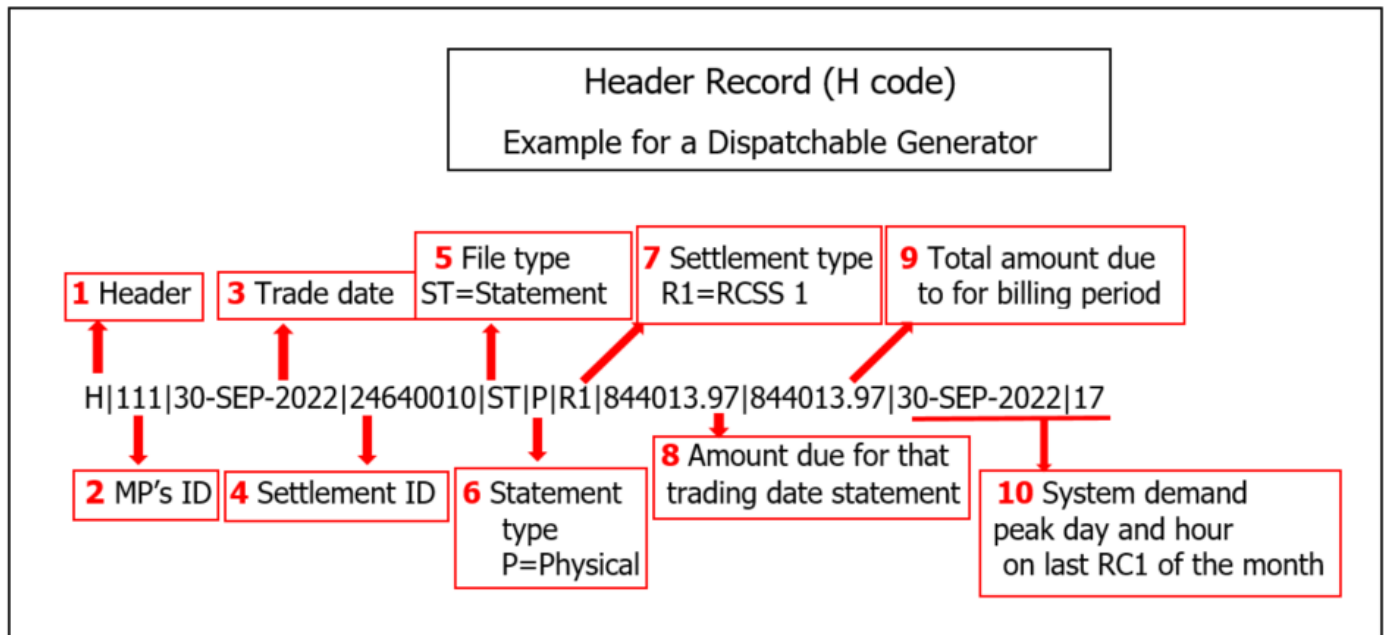


Figure 11 - RCSS Header

The header record is always the first line in a settlement statement. The vertical bars between the header items are 'pipes', or separators.

1. The **header** record begins with an 'H' identifying it as a header record.
2. After the first pipe is the MP's unique ID number (**MP's ID**). This identifies this statement as applying to this particular MP. This can be important, for example, for settlement services that download and process statements for several different participants.
3. The **trade Date** is next. This is the trade date for this statement.
4. Next is the **Statement ID**. This is the identifier for this statement – you need to enter this number if you are submitting a notice of disagreement. It is also useful for cross-referencing statements to data files.
5. The **File Type** 'ST' identifies that this is a statement file as opposed to a data file.
6. 'P' in the **Statement Type** indicates that this is a statement of charges and credits in the physical market. If this field contained an 'F', this would be a financial market statement.
7. Because this is a resettlement statement, the **Settlement Type** is a 'R1' for Recalculated Settlement Statement 1 (RCSS1). It could also be other any resettlement type such as R2 – 6 or RF.
8. The total **Amount Due** is next. If preceded by a minus sign, this is the amount that the MP owes to the market for the trading day - otherwise, this is the amount due from the

market for the trading day. In this case, the MP is owed \$844,013.97. The total amount due is the sum of all of the subtotals shown in the summary record lines that follow.

- 9. Total amount due for billing Period** is the cumulative total of the physical market settlement statements to date in this billing period for this MP.
- 10.** On the last trading day of the month, the header record also displays the day and hour of the **system peak demand** over the month. This helps loads confirm the calculation of the network transmission tariff charge.

8.3 Ad Hoc Resettlement Statement

In the event the IESO issues an ad hoc resettlement statement and if a transaction is adjusted multiple times it will be represented as an aggregated detail line item in the next settlement statement for the trading day. This situation can occur because the IESO may issue an ad hoc statement as a version of one of the defined settlement types (R1 to R6).

For example, a transaction is adjusted in the RCSS 1 settlement statement, it will be represented with a settlement type of 'A'. The IESO then issues an ad hoc resettlement statement which will be another version of the RCSS 1 settlement statement. In the ad hoc resettlement statement, the adjusted transaction will be represented with a settlement type of "R1" and the new adjusted amount will be represented with a settlement type of "A". The ad hoc resettlement statement is represented as a new version of the RCSS 1 settlement statement. When the next settlement statement is issued that is not an ad hoc statement (RCSS 2 settlement statement for example), the amounts (column 6) and tax amounts (column 35) from first adjustment and the ad hoc adjustment will be aggregated to represent the total settlement amounts with the remainder details coming from the latest issued settlement statement.

8.4 Receiving All Recalculated Statements

By default, you will not receive RCSS 1 to 6 statements that have a "NO CHANGE" value in the CH record. However you will have the opportunity to request all RCSS even if there is "NO CHANGE" on the statement.

The market participant's "Settlement" contact identified in the IESO's Registration system must send the request. Making such a request will result in the market participant receiving all recalculated settlement statements for both the physical and financial market. A market participant that has opted in to receive all recalculated settlement statements may opt out at any time by submitting such a request in the same manner.

9. Notices of Disagreement

Note: A notice of disagreement (NOD) allows you to identify issues you have with your settlement statements excluding your final recalculated settlement statement (RCSSF). There are some restrictions to submitting a NOD against your FSS or RCSS statements (see 2.5 for detailed flow chart).

9.1 Objectives

After completing this section, you will be able to:

- Explain the NOD process, including timelines
- List reasons to file a NOD, as well as items you cannot disagree with by using a NOD

9.2 The NOD Process

You will have the opportunity to submit a Notice of Disagreement for each settlement statement that is issued for a trading day (see Section 2.5). However, only first time transactions, new adjustments to a previously issued transaction or missing transactions are eligible to be considered for a disagreement.

In the event that you:

- (i) did not opt-in to receive the optional recalculated settlement statements, or
- (ii) opted to receive optional recalculated settlement statements but have no new transactions to disagree with,

you will still be given an opportunity to submit a Notice of Disagreement for the trading day via Online IESO for any items you deem to be missing during the NOD submission window.

The final recalculated settlement statement (RCSSF) is the final settlement statement for the trading day and will not be eligible for a Notice of Disagreement submission.

9.3 Disagreements Framework

You are, pursuant to the market rules, required to review your settlement statements to ensure they are correct. If you fail to identify an error or omission within the required timeframe you may risk losing any potential recourse in regards to such error or omission. You must bring such issues to the IESO's attention by submitting a notice of disagreement.

You may submit a notice of disagreement in respect of the following matters:

For a preliminary settlement statement, you may submit a notice of disagreement for any settlement amounts with which you disagree.

For a final settlement statement or a recalculated settlement statement, other than a final recalculated settlement statement, you may only submit a notice of disagreement for:

- (i) items or calculations that are new (i.e. an item with a settlement type of 'P'); or
- (ii) an adjustment to an item or calculation that appeared on a previous settlement statement (i.e. an item with a settlement type of 'A')

For greater certainty, if you disagree with a new item or adjustment contained on a final recalculated settlement statement, you should pursue the matter through the dispute resolution process outlined in [Chapter 3](#) of the market rules.

You may not submit a notice of disagreement regarding the matters listed in section 6.8.12 of Chapter 9 of the Market Rules.

9.3.1 Disagreement Channels

Disagreement channels are referred to as the market rule provisions that affect the correction of errors and result in the resettlement of a settlement statement. In addition, as the IESO continues to evolve the market and the need for new disagreement channels be considered, the IESO will develop processes to align with this disagreement framework.

9.3.1.1 Settlement Statement Errors and Omissions

This disagreement will address Settlement Statement issues regarding charges and payments. Market rules related to the current NOD process outlined in Chapter 9 of the market rules effectively align with the disagreement framework.

9.3.1.2 Metering Disagreements

This disagreement channel will address metering errors and omissions in respect of the obligations outlined in Chapters 6 and 10 of the market rules. More specifically, Chapter 6 provisions for tests, audits and inspection disagreements, and Chapter 10 for correction of errors related to transmitters' lists.

9.3.1.3 Data Submissions Disagreements

This disagreement channel will address data submissions issues from market participants. This disagreement channel may contemplate a limitation period from 1 to 23 months after the trading month associated with a trade date for post-final data submissions based on each specific submission's defined requirements and timelines.

9.3.2 When Would You Use a Nod?

You can use a notice of disagreement to disagree with your settlement statements **excluding** your Final Recalculated Settlement Statement (RCSSF) if you believe that the statement:

- Has the incorrect price
- Used incorrect schedules for your facility
- Used incorrect physical bilateral contract data
- Has incorrectly allocated your delivery point
- Missing any charges or payments

You cannot use a NOD to disagree with:

- Calculation of prices – only the IESO has all of the information necessary to calculate these, so you cannot reasonably disagree
- The equations we use to calculate the charges on the statement – there are other avenues for you to express any concerns you may have about these – for example, the market rule amendment process

9.4 Submitting a NOD

Submit a separate NOD for each issue you have with your settlement statements excluding RCSSF.

A NOD is submitted through <http://online.ieso.ca/>. Refer to the *Appendix C in this document*. Ensure that you are assigned to a Notice of Disagreement Contact role.

Be sure to follow the submission window timelines. You must submit the NOD within six business days of when we issue the statement. Prior to May 1, 2023, the NOD needs to be submitted within four business days of the preliminary statement issued. Be sure the NOD is complete. The NOD should include a proposed correction and all supporting documentation.

We will reject incomplete NODs.

10. Dispute Resolution

If you are unhappy about our resolution of your NOD, you can bring the issue to the dispute resolution process.

10.1 Objectives

After completing this section, you will be able to:

- Explain the dispute resolution process, including timelines

This process is a generic process available to deal with issues you may have with the IESO- administered markets. It is not specific to settlement statements as the NOD process is. It is an arbitrated process involving rulings by members of the independent Dispute Resolution Panel, which is very similar to a labour relations arbitration panel.

Be aware before you file, however, that the arbitrator can award costs to either party, including the cost of running the arbitration.

Also, if you are bringing a dispute solely because you missed the NOD filing window, you should be aware that the arbitrator will reject your case unless you can demonstrate that you could not have filed a NOD, even when exercising due diligence.

A notice of dispute can be filed by Market participants within twenty business days after the latest of the disagreement decision or the resettlement reflected on a settlement statement, subject to the two-year ultimate limitation period.

For more details on the Dispute Resolution process please refer to Market Manual 2: Market Administration, Part 2.1: Dispute Resolution

Up to this point, you have received settlement statements listing your liabilities and credits for each trading day of a billing period. However, no money has actually changed hands.

11.1 Objectives

After completing this section, you will be able to:

- Identify an invoice
- Understand how to retrieve an invoice

11.2 Invoices

Below is an example of a Physical Invoice (this example reflects a pre-RSS trade date):

**Independent Electricity System Operator
PHYSICAL INVOICE**

POWER CORP
11110 King Street
Box 1234
Anycity, ON R0L 1A2
Canada

Please send payment by WIRE or EFT to:

Bank Name: Great Bank
Bank ID Number: 1234
Bank Account Number: 1234-1234567

Bank Acc Type: Settlement Clearing
Bank Transit Number: 12345

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

HST: 888888888RT0008

Issue / Re-Issue Date: 12-MAR-2021

Invoice: PI00012345

Invoice Date: 12-MAR-2021

MP ID: 123456

MP GST/HST: 123456789

For all inquiries contact:
IESO Account Representative
Tel: 905-123-0000
Toll Free: 1-888-999-8888

Comments:

Charges for settlement statements issued: From 01-FEB-2021 To 28-FEB-2021

Charge Type	Description	Amount
1101	NET ENERGY MARKET SETTLEMENT FOR GENERATORS AND DISPATCHABLE LOAD	\$1,253,602.85
1115	NET ENERGY MARKET SETTLEMENT FOR NON-DISPATCHABLE LOAD	\$2,722,517.54
105	CONGESTION MANAGEMENT SETTLEMENT CREDIT FOR ENERGY	(\$822,312.52)

106	CONGESTION MANAGEMENT SETTLEMENT CREDIT FOR 10 MINUTE SPINNING RESERVE	(\$4,698.50)
147	CLASS A GLOBAL ADJUSTMENT SETTLEMENT AMOUNT	\$2,217,031.35
150	NET ENERGY MARKET SETTLEMENT UPLIFT	\$98,116.58
155	CONGESTION MANAGEMENT SETTLEMENT UPLIFT	\$200,330.52
169	STATION SERVICE REIMBURSEMENT DEBIT	\$2,635.28
183	GENERATION COST GUARANTEE RECOVERY DEBIT	\$39,066.75
186	INTERTIE FAILURE CHARGE REBATE	(\$607.28)
200	10-MINUTE SPINNING RESERVE MARKET SETTLEMENT CREDIT	(\$236,772.25)
250	10-MINUTE SPINNING MARKET RESERVE HOURLY UPLIFT	\$14,484.16
252	10-MINUTE NON-SPINNING MARKET RESERVE HOURLY UPLIFT	\$14,458.54
254	30-MINUTE OPERATING RESERVE MARKET HOURLY UPLIFT	\$5,826.06
450	BLACK START CAPABILITY SETTLEMENT DEBIT	\$1,474.74
451	HOURLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	\$8,374.90
452	MONTHLY REACTIVE SUPPORT AND VOLTAGE CONTROL SETTLEMENT DEBIT	(\$53.40)
454	REGULATION SERVICE SETTLEMENT DEBIT	\$32,931.64
650	NETWORK SERVICE CHARGE	\$963,122.12
651	LINE CONNECTION SERVICE CHARGE	\$195,820.24
753	RURAL RATE SETTLEMENT CHARGE	\$63,556.90
900	GST/HST CREDIT	(\$138,549.48)
950	GST/HST DEBIT	\$1,186,969.90
1050	SELF-INDUCED DISPATCHABLE LOAD CMSC CLAWBACK	\$815,327.29
1350	CAPACITY BASED RECOVERY AMOUNT FOR CLASS A LOADS	\$14,015.06
1463	RENEWABLE GENERATION CONNECTION - MONTHLY COMPENSATION AMOUNT SETTLEMENT DEBIT	\$2,878.44
1550	DAY-AHEAD PRODUCTION COST GUARANTEE RECOVERY DEBIT	\$23,215.84
1650	FORECASTING SERVICE BALANCING AMOUNT	\$548.85
6147	CLASS A GLOBAL ADJUSTMENT DEFERRAL RECOVERY AMOUNT	\$283,943.76
9990	IESO ADMINISTRATION CHARGE	\$155,968.62
Invoice Total:		\$CAD 9,113,224.50

Payment Due Date 16-MAR-2021

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

11.2.1 Retrieving your invoice

As with settlement statements and data files, we post your invoice to our secure website – we do not mail or fax it. It is up to you to retrieve your invoice from the IESO confidential Reports site. The calendar showing the issue dates for statements and invoices is available via our [Market Calendars](#) web page.

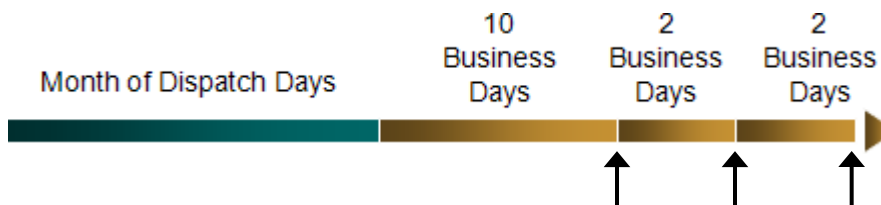
12. Transferring Funds

12.1 Objectives

After completing this section, you will be able to:

- Explain timelines for transferring funds
- Understand your invoice and payment
- Describe a statement of activity

12.2 Timing



- The invoice period in the real-time energy market is one calendar month.
- We post invoices 10 business days after the end of the calendar month
- If you owe money within the IESO-administered markets, you must make payments within two business days of when we issue the invoice.
- If you are owed money, you are paid two business days after we receive payment from consumers.

Recall our settlement statement timelines – we do not issue final settlement statements until 20 business days after the trade date. Therefore, your invoice is a mixture of preliminary, final and resettlement information. For example, the invoice for July 2023 includes:

- Final Information for June 19 to 30
- Final information for July 1 through 17
- Preliminary information for July 18 through 31
- Any resettlement statement adjustments processed since the previous invoice (refer to the SSPC RCSS calendar)

Any adjustments to preliminary on the final statement for July 18 through 31 will appear on the August invoice.

Note: The calendar below also indicates when you receive preliminary, final and RCSS settlement statements. Note that on some days you receive several preliminary, final, and RCSS statements.

July/August 2023						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31 P 17 (Jul) F 30 (Jun) & 1, 2, 3 (Jul)	1 P 18 F 4	2 P 19 F 5	3 P 20 F 6	4 P 21, 22, 23 F 7, 8, 9	5
6	7 (Holiday – Civic Holiday)	8 P 24 F 10	9 P 25 F 11	10 P 26 F 12	11 P 27 F 13	12
13	14 P 28, 29, 30 P 28, 29, 30 F 14, 15, 16	15 P 31 P 31 F 17 RCSS-1 (Jun) RCSS-2 (May)	16 P 1 (Aug) P 1 (Aug) F 18	17 P 2 F 19	18 P 3 F 20P 3F	19
20	21 P 4, 5, 6, 7 F 21, 22, 23	22 P 8 F 24	23 P 9 F 25	24 P 10 F 26	25 P 11, 12, 13 F 27	26
27	28 P 14 F 28, 29, 30	29 P 15 F 31	30 P 16 F 1 (Aug)	31 P 17 F 2		

**Invoice for July
(Issued August 15)**

12.2.1 Information on your invoice

- Your invoice lists all the charge types that apply for the billing period, along with a description of the charge type and the amount owed by you or to you for that charge type
- Note that on your invoice, a positive number means that you owe the market money, and a negative number means that the market owes you money. On your settlement statements, the reverse is true – a negative number means that you owe the market money, while a positive number means that the market owes you money.
- As with settlement statements, all amounts on your invoice are in Canadian dollars.
- The invoice shows the total amount owed by you or to you, along with the payment due date.

12.3 Payments

Payments are due from market participants within two business days after we issue the invoice. We then pay suppliers and transmitters by the fourth business day after we issued the invoice.

A payment should relate to only one invoice – this will avoid confusion.

12.3.1 Payment in full required

You must pay your invoice in full, even if you have an outstanding notice of disagreement that you are sure we will accept. Any corrections will appear on a subsequent invoice. We have to be stringent about this because we are a revenue neutral organization. Therefore, each month the amount we collect has to be the same as the amount we pay out.

12.3.2 Electronic Funds Transfer (EFT)

Please make all payments by electronic funds transfer (EFT).

Because of this requirement, you need to have an account with a bank that has EFT capability and that has a branch in Ontario. If you need to know the IESO bank account details, refer to [M.M 5.9](#): Appendix B

Be sure to include information identifying the transaction.

12.4 Manual Invoices

We issue manual invoices under a number of circumstances, including:

- To recover interest charged on late payments
- To recover the cost of processing over-payments
- To recover arbitration costs that have been assigned to the MP by the arbitrator
- To pay an MP for credits arising out of a mediation, or to recover any payments arising from an arbitration decision
- To impose monetary compliance penalties

12.4.1 Receiving and paying a manual invoice

Manual invoices are not necessarily produced on the same day as the regular monthly invoice. They can be produced at any time of the month.

- We notify the MP via email when we issue a manual invoice.
- Payment of manual invoices is required within two business days of when we issue the invoice if the invoice is for financing charges, and within ten business days for all other charges. To avoid confusion, the invoice specifies the payment date.

Note that it is important to keep your company contact information up-to-date to ensure that you do not miss downloading and paying a manual invoice on time.

12.5 Statement of Activity

Along with settlement statements and invoices, we also issue statements of activity. A statement of activity is similar to a bank statement for your account with us - it gives you a record of your account activity for the calendar month.

We issue statements of activity on the first business day of each month. The statements include information on:

- The opening and ending balances for the month
- Any invoices issued during the month
- Any payments or receipts for the month
- Any past due amounts if you didn't pay your invoice on time

Below is an example of a Statement of Activity:



Independent Electricity System Operator Statement of Activity

Independent Electricity System Operator
Station A, Box 4474
Toronto, ON
M5W 4E5
Date: 04-APR-2017

POWER CORP
123 Main Street
Anytown, ON L4A A4L
Canada

MP ID: xxxxxx

For the statement period: 01-MAR-2017 To 31-MAR-2017

Beginning Balance on: 01-MAR-2017 \$0.00

Transactions

Transaction Number	Date	Due Date	Transaction Type	Amount
PI000XXXX	2017-03-14	2017-03-20	PHYSICAL INVOICE	(\$126,530.50)
PI000XXXX	2017-03-20	2017-03-20	PHYSICAL PYMT TO MP	\$126,530.50
Subtotal Transactions:				\$0.00

Receipts

Date	Reference	Amount
Subtotal Receipts:		(\$0.00)

Ending Balance on: 31-MAR-2017 \$0.00

Informational Summary

Current	Past Due				Financial Charges
	1-30 Days	31-60 Days	61-90 Days	Over 90 Days	

13. Financial Markets

We use the same process for invoicing the physical and financial markets, but the timing is different

13.1 Objectives

After completing this section, you will be able to:

- List the timelines associated with both physical and financial market settlement statements and invoices.

13.2 Financial Market Settlement Statements and Invoices

The only financial market we administer is the Transmission Rights (TR) Market. TR's allow for payments based on the price differential between the Ontario zone price and the price in an intertie zone. We sell TRs in auctions that do not conform to physical market timelines. (For additional information about TRs, please see the *Transmission Rights* workbook, available on our [Marketplace Training](#) web pages.)

13.2.1 Financial Market Timelines

- We issue preliminary settlement statements two business days after the close of a transmission rights auction
- We issue final settlement statements four business days after the preliminary settlement statements – i.e., six business days after the end of the auction
- We issue RCSS 1 settlement statements (if required) on the last business day of the month following the trade month
- We issue RCSSF settlement statements on the last business day of the month 22 months after the trade month

13.2.2 No Data Files

There are no data files in the financial market.

13.2.3 Notices of Disagreement

- In the financial market, you have only two business days to file a notice of disagreement (not four business days as you have in the physical markets)
- The window for a notice of dispute is 20 days – the same as in the physical markets

13.2.4 Billing Period and Payment Timelines

The billing period for the financial market is one week instead of the one month in the physical markets.

We issue invoices six business days after the billing period (the same day we issue final settlement statements).

13.3 Retrieving Settlement Statements and Invoices

As with physical market settlement statements and invoices, we post your financial market statements and invoices to our secure website – we do not mail or fax them. It is up to you to retrieve them from our confidential Reports site.

The calendar showing the issue dates for financial market statements and invoices is available via our [Market Calendars](#) web page.

13.4 Timelines Comparison

	Physical Markets	Financial Market
Preliminary settlement statements	Issued ten business days after trading day	Issued two business days after close of auction
Final settlement statements	Issued ten business days after preliminary statement issued	Issued four business day after preliminary statement issued
Invoices	Issued ten business days after end of billing period	Issued six business days after end of billing period
Payment due to IESO	Two business days after invoice issued	Two business days after invoice issued
Notice of disagreement	Six business days after preliminary settlement statement issued	Two business days after preliminary settlement statement issued

Recalculated Settlement Statements (RCSS) 1	Issued on the invoice date that occurs one (1) month after the trading day was first invoiced (Optional)	Issued on the last business day of the month following the trade month (Optional)
Recalculated Settlement Statements (RCSS) 2	Issued on the invoice date that occurs two (2) month after the trading day was first invoiced (Optional)	Not Applicable
Recalculated Settlement Statements (RCSS) 3	Issued on the invoice date that occurs five (5) month after the trading day was first invoiced (Optional)	Not Applicable
Recalculated Settlement Statements (RCSS) 4	Issued on the invoice date that occurs eight (8) month after the trading day was first invoiced (Optional)	Not Applicable
Recalculated Settlement Statements (RCSS) 5	Issued on the invoice date that occurs eleven (11) month after the trading day was first invoiced (Optional)	Not Applicable
Recalculated Settlement Statements (RCSS) 6	Issued on the invoice date that occurs seventeen (17) month after the trading day was first invoiced (Optional)	Not Applicable
Recalculated Settlement Statements (RCSS) F, 7	Issued on the invoice date that occurs twenty three (23) month after the trading day was first invoiced	Issued on the last business day of the month twenty-two (22) months after the trade month

Dispute resolution	<p><u>For any statements prior to final recalculated settlement statement:</u></p> <p>File within 20 business days of either:</p> <p>(1) Issuance of the settlement statement containing the unsatisfactory NOD adjustment; or</p> <p>(2) Receipt of a decision letter in the NOD application informing you that no adjustments will be made</p> <p><u>For the final recalculated settlement statement:</u></p> <p>No NOD can be filed. File the notice of dispute within 20 business days of issuance of the final recalculated settlement statement.</p>	<p><u>For any statements prior to final recalculated settlement statement:</u></p> <p>File within 20 business days of either:</p> <p>(1) Issuance of the settlement statement containing the unsatisfactory NOD adjustment; or</p> <p>(2) Receipt of a decision letter in the NOD application informing you that no adjustments will be made</p> <p><u>For the final recalculated settlement statement:</u></p> <p>No NOD can be filed. File the notice of dispute within 20 business days of issuance of the final recalculated settlement statement.</p>
Access to settlement statements and invoices	<p>IESO confidential Reports site https://reports.ieso.ca</p>	<p>IESO confidential Reports site https://reports.ieso.ca</p>

14. Skill Check

14.1 Questions

1. Which charge type series do we use for ancillary services?
 - a. 100 series
 - b. 200 series
 - c. 300 series
 - d. 400 series
2. True or False: In the physical markets, we issue preliminary settlement statements ten calendar days after the trading date.
3. If you wish to submit a NOD in the physical markets, you must submit it no later than business days after we issue an applicable settlement statement.
4. True or False: In the physical markets, we produce final settlement statements for each business day in the month.
5. How often do we produce invoices for the physical markets?
 - a. Each business day
 - b. Once a week
 - c. Once a month
6. When is payment due to the IESO? ____ business days after we issue the invoice.
7. When are payments due to participants from the IESO? ____ business days after we issue the invoice.

8. How do you receive settlement statements and invoices?
 - a. You receive them by mail from the IESO
 - b. You receive them by email from the IES
 - c. You retrieve them via the IESO confidential Reports site
9. True or False: It is possible to receive 3 preliminary settlement statements on one day.
10. On a final and RCSS settlement statements, if the summary record adjustment flag is set to 'Y', the new amount owing on the second summary record indicates:
 - a. The incremental change
 - b. The new total
11. In the financial market, you have ____ days after we issue an applicable settlement statement to file a NOD.
12. True or False: If you submit a NOD, you must submit what you think the correct settlement should be.

14.2 Answers

1. Which charge type series do we use for energy purchases and sales?
 - a. 100 series
 - b. 200 series
 - c. 300 series
 - d. 400 series ✓**
2. True or **False ✓** : In the physical markets, we issue preliminary settlement statements ten calendar days after the trading date.

Comment: We issue preliminary settlement statements ten business days after the trading date.

3. If you wish to submit a NOD in the physical markets, you must submit it no later than **6** business days after we issue the preliminary, final, and RCSS (1-6) settlement statements.
4. True or **False ✓** : In the physical markets, we produce final settlement statements for each business day in the month.

Comment: We produce final settlement statements for each trading day in the month.

5. How often do we produce invoices for the physical markets?
 - a. Each business day
 - b. Once a week
 - c. Once a month ✓**
6. When is payment due to the IESO? **2** business days after we issue the invoice.
7. When are payments due to participants from the IESO? **4** business days after we issue the invoice.
8. How do you receive settlement statements and invoices?
 - a. You receive them by mail from the IESO
 - b. You receive them by email from the IESO
 - c. You retrieve them via the IESO confidential Reports site ✓**
9. **True ✓** or False: It is possible to receive 3 preliminary settlement statements on one day.
10. On physical market final and RCSS settlement statements, if the adjustment flag is set to 'Y', the new amount owing on the second summary record indicates:
 - a. The incremental change ✓**
 - b. The new total
11. In the financial market, you have **2** days after we issue the preliminary settlement statement to file a NOD.

12. **True ✓** or False: If you submit a NOD, you must submit what you think the correct statement entry should be, using the same format as your statement.

15. Additional Information

[Marketplace Training](#) and [Participant Tool Training](#) web pages:

- Workbooks
 - *Introduction to Ontario's Physical Markets*
 - *Interjurisdictional Energy Trading*
 - *Revenue Metering*
 - *Physical Bilateral Contracts*
 - *Transmission Rights*
- *Guide to Prudentials at the IESO*
- *Guide to the IESO Portal*
- *Guide to Online Data Submission via the IESO Portal*

[Market Rules and Manuals Library](#):

- *IESO Charge Types and Equations*
- *Format Specifications for Settlement Statement Files and Data Files*
- *IESO Settlements Market Manual (Market Manual 5)*

IESO [Settlements](#) web pages

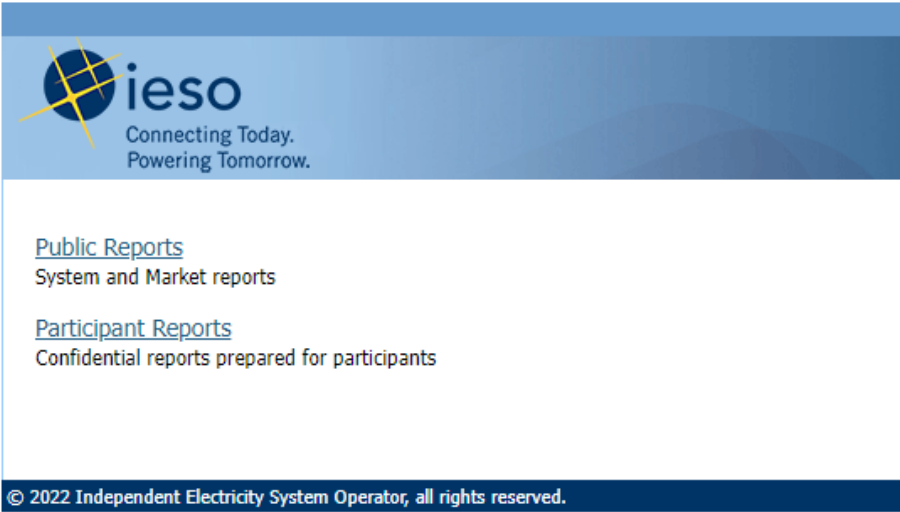

Appendix A – Retrieving Your Settlement Statements & Invoices

Each time a settlement statement file is issued, it will contain the best available settlement data for the trading day being settled. Also included in the file may be new settlement line items pertaining to trading days prior to the trading day to which the settlement statement pertains to but have not been included on any previous settlement statement.

You need to be assigned to a settlement related contact role or settlement reports system access role by an applicant representative of your organization.

The following screen captures show the steps on accessing your settlement statements.

Step	Instruction	Picture
1	Go to http://reports.ieso.ca/	

Step	Instruction	Picture
2	Click on Participant Reports	<p>reports.ieso.ca</p> 
3	Sign in with your login information	 <p>Legal Disclaimer: Attention to Participants: This system is owned and operated by the IESO, and all use of this system is governed by the Market Rules. As a registered Participant, you have received a unique and confidential User Account and Password from the IESO to access this system and you agree to maintain their confidentiality. You specifically agree that you are exclusively responsible for all access to and any activity on this system that occurs through the use of your User Account and Password. If you become aware of any unauthorized use of your User Account or Password, you agree to immediately notify the IESO. The IESO is not liable for any loss or damage arising from any unauthorized access or use of your User Account and Password. If you do not agree with these terms and conditions, immediately advise the IESO and do not login to this system.</p>

Step	Instruction	Picture
4.A	<p>Physical Market</p> <p>You will see the following screen appear</p> <p>Some important folders include the Physical Market Invoice, Preliminary Settlement Statement, Physical Market Meter Preliminary Data File, Physical Market Meter Final Data File, Final Settlement Statement and Recalculated Settlement Statements</p> <p>The folders will be arranged by file type ('ST'), statement type ('P' or 'F') and settlement type (P, F, R1, R2, R3, R4, R5, R6, RF). For example, any version of Resettlement 1 statements for a given trading day will be stored in the ST-P-R1 folder.</p> <p>Choose the one that applies to your specific needs and save it to your computer</p>	<div><div><div><div>MD-AD-HOC</div><div>Mar 02, 2022 03:01 EST</div><div>Meter Data Ad-hoc Reports</div></div><div><div>MDA-TMD-WL</div><div>Apr 09, 2021 00:00 EST</div><div>Totalized Meter Data with losses for MDA</div></div><div><div>MDA-TMD-WOL</div><div>Jan 13, 2017 00:00 EST</div><div>Totalized Meter Data without losses for MDA</div></div><div><div>MDA-VMD</div><div>Apr 09, 2021 00:00 EST</div><div>Validated Meter Data for MDA</div></div><div><div>MMP-TMD-WL</div><div>Mar 02, 2022 01:02 EST</div><div>Totalized Meter Data with losses for MMP</div></div><div><div>MMP-TMD-WOL</div><div>May 21, 2022 02:01 EST</div><div>Totalized Meter Data without losses for MMP</div></div><div><div>MMP-VMD</div><div>Mar 02, 2022 00:32 EST</div><div>Validated Meter Data for MMP</div></div><div><div>MMPT-TMD-WL</div><div>Mar 02, 2022 01:07 EST</div><div>Totalized Meter Data with losses for MMPT</div></div><div><div>MMPT-TMD-WOL</div><div>May 20, 2021 00:00 EST</div><div>Totalized Meter Data without losses for MMPT</div></div><div><div>MMPT-VMD</div><div>Mar 02, 2022 00:36 EST</div><div>Validated Meter Data for MMPT</div></div><div><div>MSP-TMD-WL</div><div>Sep 23, 2015 00:00 EST</div><div>Totalized Meter Data with losses for MSP</div></div><div><div>MSP-TMD-WOL</div><div>Nov 23, 2016 00:00 EST</div><div>Totalized Meter Data without losses for MSP</div></div></div><div><div><div>PS-INV</div><div>Physical Settlement Invoice</div></div><div><div>ST-P-F</div><div>Physical Market Preliminary Statement</div></div><div><div>ST-P-P</div><div>Physical Market Final Statement</div></div><div><div>DT-P-F</div><div>Physical Market Final Data File</div></div><div><div>DT-P-P</div><div>Physical Market Preliminary Data Files</div></div><div><div>ST-P-R1</div><div>Physical Recalculated Settlement Statements 1</div></div><div><div>ST-P-R2</div><div>Physical Recalculated Settlement Statements 2</div></div><div><div>ST-P-R3</div><div>Physical Recalculated Settlement Statements 3</div></div><div><div>ST-P-R4</div><div>Physical Recalculated Settlement Statements 4</div></div><div><div>ST-P-R5</div><div>Physical Recalculated Settlement Statements 5</div></div><div><div>ST-P-R6</div><div>Physical Recalculated Settlement Statements 6</div></div><div><div>ST-P-RF</div><div>Physical Recalculated Settlement Statements Final</div></div><div><div>DT-P-R1</div><div>Physical Market Recalculated Settlement Statements 1 Data Files</div></div><div><div>DT-P-R2</div><div>Physical Market Recalculated Settlement Statements 2 Data Files</div></div><div><div>DT-P-R3</div><div>Physical Market Recalculated Settlement Statements 3 Data Files</div></div><div><div>DT-P-R4</div><div>Physical Market Recalculated Settlement Statements 4 Data Files</div></div><div><div>DT-P-R5</div><div>Physical Market Recalculated Settlement Statements 5 Data Files</div></div><div><div>DT-P-R6</div><div>Physical Market Recalculated Settlement Statements 6 Data Files</div></div><div><div>DT-P-RF</div><div>Physical Market Recalculated Settlement Statements 7 Data Files</div></div></div></div>


4.B Financial Market

You will see the following screen appear

Some important folders include the Financial Market Invoice, Preliminary Settlement Statement, Final Settlement Statement and Recalculated Settlement Statements

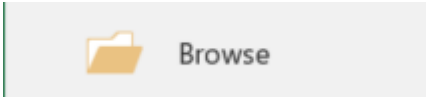
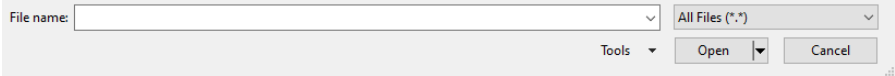
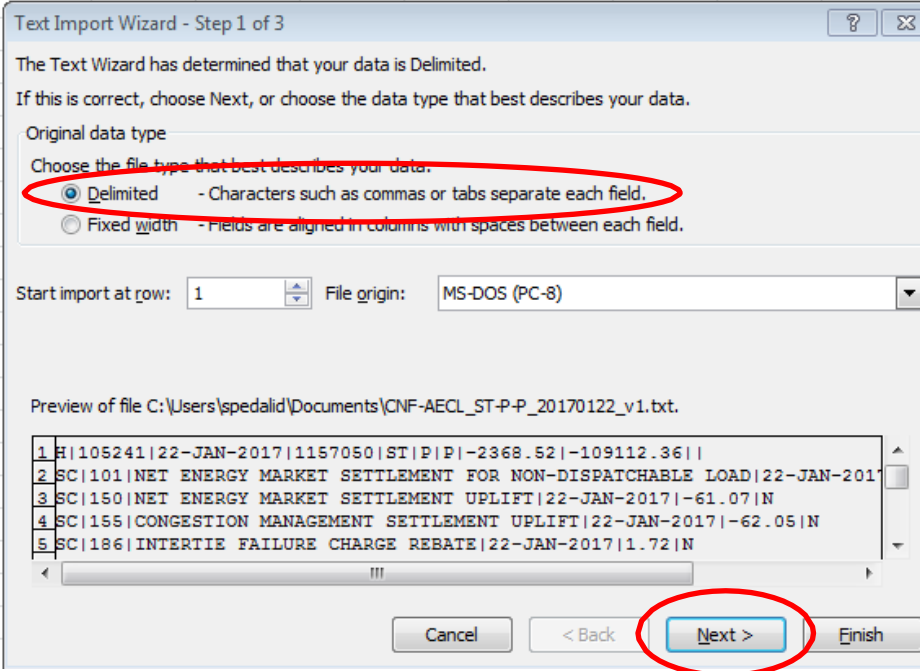
The folders will be arranged by file type ('ST'), statement type ('P' or 'F') and settlement type (P, F, R1 and RF). For example, any version of Resettlement 1 statements for a given trading day will be stored in the ST-F-R1 folder.

Choose the one that applies to your specific needs and save it to your computer

 ST-F-F	Financial Market Final Statement
 ST-F-P	Financial Market Preliminary Statement
 FC-INV	Financial Charge Invoice
 FS-INV	Financial Settlement Invoice
 ST-F-R1	Financial Recalculated Settlement Statements 1
 ST-F-RF	Financial Recalculated Settlement Statements F

Appendix B – Importing Into Excel

The following screen captures show the step by step instruction on how to import settlement statements into Microsoft Excel.

Step	Instruction	Picture
1	Save the download and save the Settlement Statement as a text file	See Appendix A for step by step instructions
2	Open Excel and choose the File menu option and then Choose Open - > Browse	
3	Browse to the appropriate directory, ensure that the file extension is set to "All Files (*.*)"	
4	Choose the appropriate settlement statement and click Open The import wizard pops up, select the Delimited option, then click Next	

Step Instruction**Picture**

- 5** On the next screen, indicate what is delimiting the file. In the blank field next to Other, enter a pipe (the pipe [|] symbol is on the same key as the backslash key), then Finish

Text Import Wizard - Step 2 of 3

This screen lets you set the delimiters your data contains. You can see how your text is affected in the preview below.

Delimiters

- ☐ Tab
- ☐ Semicolon
- ☐ Comma
- ☐ Space
- ☒ Other: |

☐ Treat consecutive delimiters as one

Text qualifier: " ▾

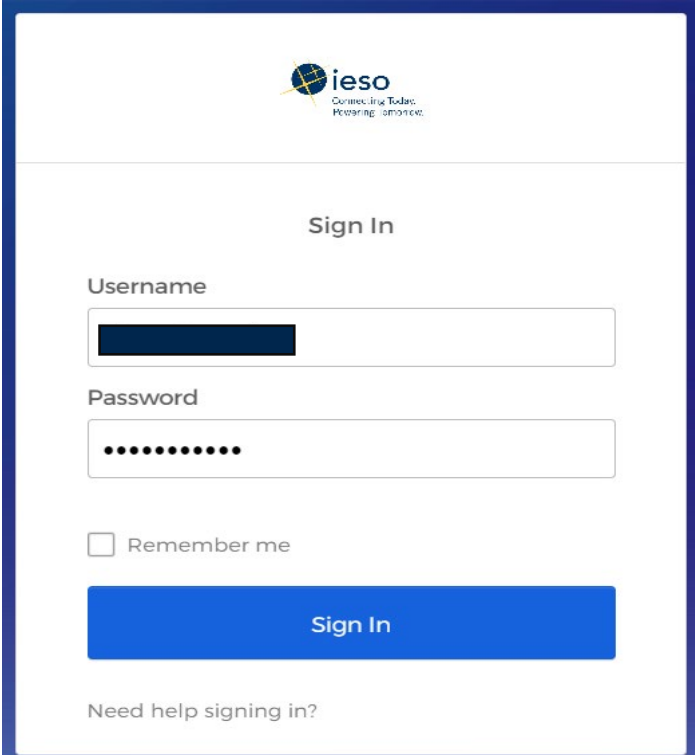
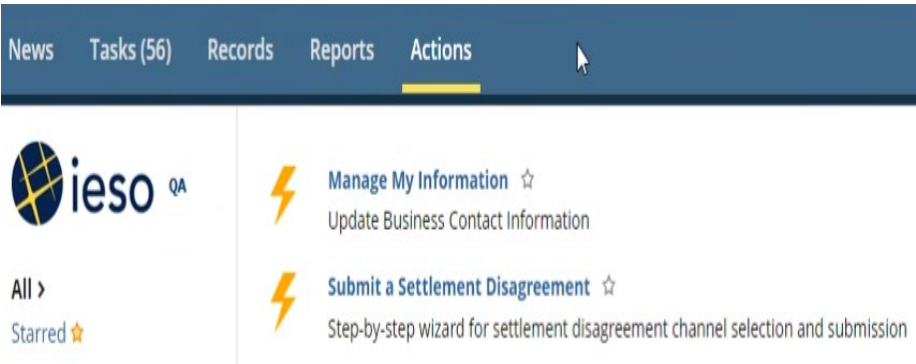
Data preview

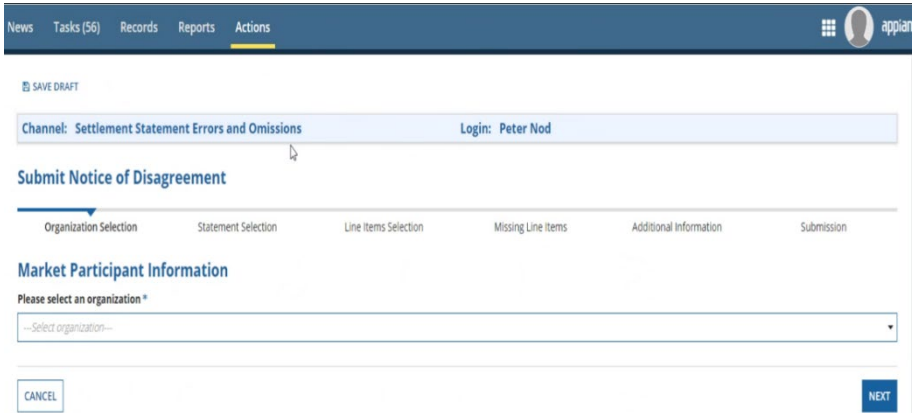
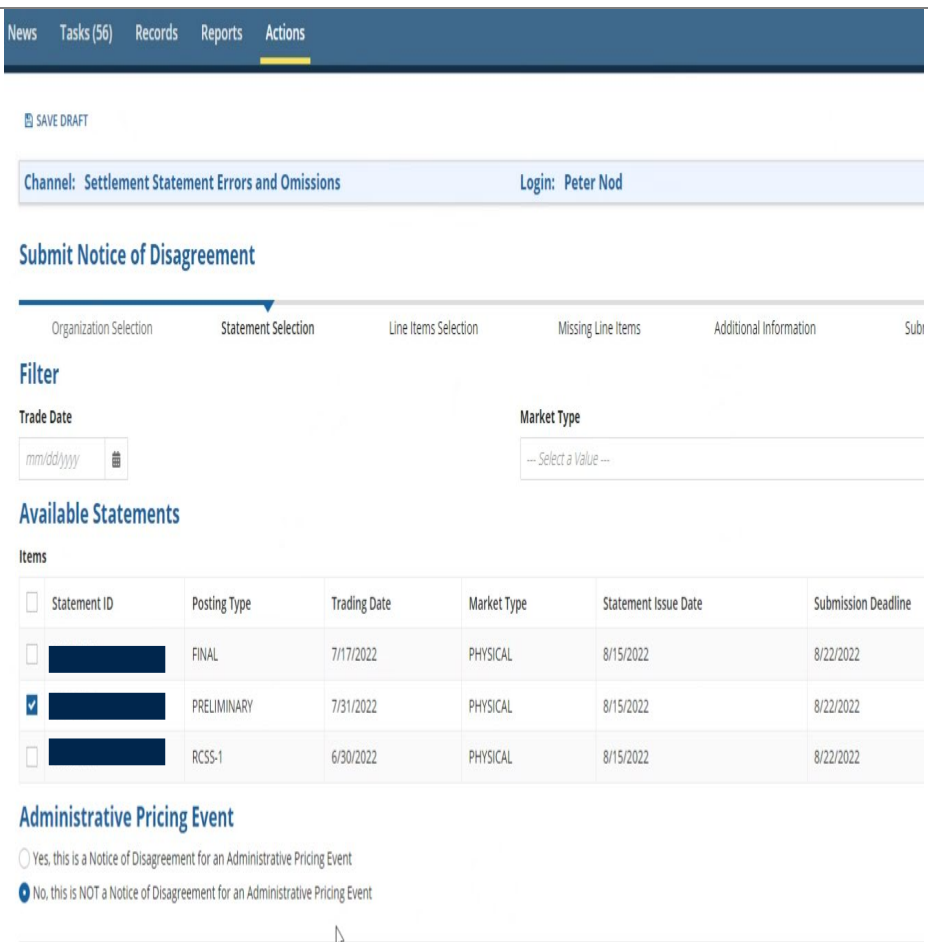
H	105241	22-JAN-2017	1157050
SC	101	NET ENERGY MARKET SETTLEMENT FOR NON-DISPATCHABLE LOAD	22-JAN-2
SC	150	NET ENERGY MARKET SETTLEMENT UPLIFT	22-JAN-2
SC	155	CONGESTION MANAGEMENT SETTLEMENT UPLIFT	22-JAN-2
SC	186	INTERTIE FAILURE CHARGE REBATE	22-JAN-2

Buttons: Cancel, < Back, Next >, **Finish**

Appendix C – Submitting a NOD

The following screen captures show the Online IESO notice of disagreement forms that market participants use to submit and track a notice of disagreement.

Step	Instruction	Picture
1	<p>Action: Submit a Settlement Disagreement.</p> <p>Log in to the Online web-based registration system using this link. https://online.ieso.ca</p> <p>Enter your Gateway ID and password and click Sign In.</p> <p>Note: Ensure you are a Notice of Disagreement Contact for your organization.</p>	
2	<p>Click Actions on the menu bar at the top of the screen.</p> <p>Select Submit a Settlement Disagreement from the list of available action items displayed on the subsequent screen.</p>	

Step	Instruction	Picture
3	<p>The Submit Notice of Disagreement screen is displayed.</p> <p>Select an organization and click Next.</p>	
4	<p>On the following screen, select one statement from the list of available statements, indicate if the NOD is for an Administrative pricing event or not, and click Next.</p> <div data-bbox="201 1014 634 1222" style="background-color: #e6f2ff; padding: 10px; border: 1px solid #add8e6;"> <p>Note: You can use the Trade Date and Market Type Filter fields to narrow down the list</p> </div>	

Step	Instruction	Picture
------	-------------	---------

5 The **statement detail** screen is displayed.

Select the **Charge Type** from the drop down list. You can also choose the **Trading Hour** that is applicable to further filter the results

6 Select the applicable **Statement Line(s)**

Once the **Statement Line** is selected, click **Add**

Step Instruction

Picture

- 7 Click on a selected line item and provide additional information in the line item disagreement details. Click **Save**.

NOTE: Disagreement details must be provided for at least one of the selected line items.

If you plan to add missing line items in your NOD submission, click on the box in the **Missing Line Items** section before clicking **Next**

News Tasks (56) Records Reports Actions

ADD

Selected Line Items

Please click on each record below to add the detail for each selected line item

Record Type	Charge Type	Location ID	Trading Date	Trading Hour	Trading Interval	Settlement Amount
DP	155		7/31/2022	8	0	(\$2,597.57)

Enter Line Item Disagreement Details

Expected Amount 2500.5

Billable Quantity 2339.519

SQEI 0 AQEI 46.755

SQEW 0 AQEW 2339.519

Disagreement Reason*

Billable Quantity does not match metered AQEW

SAVE REMOVE

Disagreement detail is required for at least one selected line item

Missing Line Items

☒ I will add missing line items

CANCEL BACK

- 8 Review the screen
- Click **Add Missing Line Item** (if needed) to identify items that were missing from your settlement statement.
- Click **Next**.

News Tasks (56) Records Reports Actions

SAVE DRAFT

Channel: Settlement Statement Errors and Omissions Login: Peter Nod

Submit Notice of Disagreement

Organization Selection Statement Selection Line Items Selection **Missing Line Items** Additional Information Submission

Statement Detail

Statement ID	Posting Type	Trade Date	Market Type	Organization Name	Statement Issue Date	Submission Deadline
	PRELIMINARY	7/31/2022	PHYSICAL		8/15/2022	8/22/2022

Statement Line Items

Record Type	Charge Type	Location ID	Trading Date	Trading Hour	Trading Interval	Settlement Amount	Expected Amount	Disagreement Reason
DP	155		7/31/2022	8	0	-2597.57	\$2,500.50	Billable Quantity does not match metered AQEW

Missing Line Items

Charge Type	Location ID	Trading Hour	Trading Interval	Expected Amount	Disagreement Reason
No items available					

☒ Add Missing Line Item

CANCEL BACK NEXT

Step Instruction**Picture**

- 9 Select one or more **Reason Codes** and provide an explanation of the disagreement.

The optional **Start Trade Date** and **End Trade Date** fields can be used to identify if an issue has been ongoing for a number of days. This is for only and does not serve as a for NOD for each affected trade date.

News Tasks (56) Records Reports **Actions**

Organization Selection Statement Selection Line Items Selection Missing Line Items **Additional Information**

Statement Detail

Statement ID	Posting Type	Trade Date	Market Type	Organization Name	Statement Issue Date	Subr
	PRELIMINARY	7/31/2022	PHYSICAL		8/15/2022	8/22/

Additional Information

Reason Code (Issue Type)* Energy

Explanation of the Disagreement *

No additional information at this time.

Start Trade Date mm/dd/yyyy

End Trade Date mm/dd/yyyy

Documents

Document	Description	Uploaded By	Date Uploaded
No items available			

Upload New Document

CANCEL BACK

- 10 Click **Upload New Document**.

Upload your document (Data file, your calculation, etc.)

Add a description for each file.

Click **Next**

News Tasks (56) Records Reports **Actions**

Organization Selection Statement Selection Line Items Selection Missing Line Items **Additional Information**

Submit Notice of Disagreement

Statement Detail

Statement ID	Posting Type	Trade Date	Market Type	Organization Name	Statement Issue Date	Submission
	PRELIMINARY	7/31/2022	PHYSICAL		8/15/2022	8/22/2022

Additional Information

Reason Code (Issue Type)* Energy

Explanation of the Disagreement *

No additional information at this time.

Start Trade Date mm/dd/yyyy

End Trade Date mm/dd/yyyy

Documents

Document	Description	Uploaded By	Date Uploaded
Energy Adjustment.. XLSX - 8.85 KB	Details of Charge 155 adjustments	nodp	Sep 1, 2022

Upload New Document

CANCEL BACK

Step	Instruction	Picture
------	-------------	---------

11 Review your Notice of Disagreement information
Click **Next**

Channel: Settlement Statement Errors and Omissions Login: Peter Nod

Submit Notice of Disagreement

Organization Selection Statement Selection Line Items Selection Missing Line Items Additional Information Submission

Statement Detail

Statement ID	Posting Type	Trade Date	Market Type	Organization Name	Statement Issue Date	Submission Deadline
	PRELIMINARY	7/31/2022	PHYSICAL		8/15/2022	8/22/2022

Statement Line Items

Record Type	Charge Type	Location ID	Trading Date	Trading Hour	Trading Interval	Settlement Amount	Expected Amount	Disagreement Reason
DP	155		7/31/2022	8	0	-2597.57	\$2,500.50	Billable Quantity does not match metered AQEW

Missing Line Items

Charge Type	Location ID	Trading Hour	Trading Interval	Expected Amount	Disagreement Reason
No items available					

Additional Information

Reason Code (Issue Type)

12 Confirm if you want to submit the NOD.
Click **YES**

Statement Line Items

Record Type	Charge Type	Location ID	Trading Date
DP	155		7/31/2022

After submission you cannot edit your Notice of Disagreement. Are you sure you want to submit?

NO YES

Step Instruction

Picture

13 Review and Click **Submit**

News Tasks (56) Records Reports Actions

PRELIMINARY 7/31/2022 PHYSICAL 8/15/2022 8/22/2022

Statement Line Items

Record Type	Charge Type	Location ID	Trading Date	Trading Hour	Trading Interval	Settlement Amount	Expected Amount	Disagreement Reason
DP	155		7/31/2022	8	0	-2597.57	\$2,500.50	Billable Quantity does not match metered AQEW

Missing Line Items

Charge Type	Location ID	Trading Hour	Trading Interval	Expected Amount	Disagreement Reason
No items available					

Additional Information

Reason Code (Issue Type)

Explanation of the Disagreement
No additional information at this time.

Start Trade Date [?](#) End Trade Date [?](#)

Documents

Document	Description	Uploaded By	Date Uploaded
Energy Adjustments 150722 details	Details of Charge 155 adjustments	Peter Nod	9/1/2022

CANCEL BACK SUBMIT

14 Once you submit a NOD, you will see the NOD under the News page and the records page.

News Tasks (56) Records Reports Actions

Click here to post...

Notice of Disagreement NOD-010014 has been submitted on behalf of INC. by Peter Nod.
NOD-010014

Step Instruction

Picture

- 15** On the Record Page Click the **settlement Disagreement option** to see the submitted NOD.



Records / Settlement Disagreements (New)

NOD-010014

Summary Additional Information Decision Notification News Related Actions

Settlement Progress

Open Resolved Closed

Settlement Detail

Reference ID	Channel	Organization Name	Status	Decision Deadline	Extended Deadline
NOD-010014	Settlement Statement Errors and Omissions		Open	9/14/2022	

Statement Detail

Statement ID	Posting Type	Trade Date	Market Type	Organization Name	Statement Issue Date	Submission Deadline
	PRELIMINARY	7/31/2022	PHYSICAL		8/15/2022	8/22/2022

Statement Line Items

Record Type	Charge Type	Location ID	Trading Date	Trading Hour	Trading Interval	Settlement Amount	Expected Amount	Disagreement Reason
DP	155		7/31/2022	8	0	-2597.57	\$2,500.50	Billable Quantity does not match metered AQEW

Appendix D – Settlement Types

The following diagram illustrates the settlement type for new, adjusted and restated amounts in the **Physical** market:

Type of Settlement	Statement								
	PSS	FSS	R1	R2	R3	R4	R5	R6	RF
New Items	P	P	P	P	P	P	P	P	RF
Adjustments to Previous Line Items		A	A	A	A	A	A	A	RF
New or adjusted items from PSS		C	C	C	C	C	C	C	C
New or adjusted items from FSS			F	F	F	F	F	F	F
New or adjusted items from RCSS-1				R1	R1	R1	R1	R1	R1
New or adjusted items from RCSS-2					R2	R2	R2	R2	R2
New or adjusted items from RCSS-3						R3	R3	R3	R3
New or adjusted items from RCSS-4							R4	R4	R4
New or adjusted items from RCSS-5								R5	R5
New or adjusted items from RCSS-6									R6

The following diagram illustrates the settlement type used for new, adjusted and restated amounts in the **Financial/TR** market:

Type of Settlement	Statement			
	PSS	FSS	R1	RF
New Items	P	P	P	RF
Adjustments to Previous Line Items		A	A	RF
New or adjusted items from PSS		C	C	C
New or adjusted items from FSS			F	F
New or adjusted items from RCSS-1				R1

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