Power to Ontario.
On Demand.

PROCEDURE

Reference

IPOP_PRO_0023 Part 3.7: Commercial Reconciliation for Real-Time Markets (RTM) Appendix F - Manual Charge Information

Requirement

Supply IESO - Settlements via Email with this spreadsheet attached on the first business day prior to the seventh calendar day after the trade date:

Procedure

1. Fill in ALL YELLOW MANDATORY INPUT FIELDS on "Part 3" .
2. Fill in BLUE OPTIONAL INPUT FIELDS depending on charge type on "Part 3".
3. Ensure that the proper sign is indicated for the charge type.
   (Charges are in the eyes of the MP. e.g. a negative sign '-' indicates a payment from the MP.)
4. Entries without a specific "Trade Hour" and/or "Trade Minute", such as monthly charges, place a 0 (ZERO) in the appropriate column.
5. Fill out appropriate parts. Requirements for 'Part 1 - Source Information' are:
   The 'Populated by' and 'Verified by' fields must be different people. 'Verified by' should be at least MP5.

The signature for 'Populated by' (Creator) confirms that:

– the appropriate procedure was executed in preparing the settlement amounts

– all relevant fields have been completed

– all values calculated by end-user computing tools have been entered correctly

The signature for 'Verified by' (Checker, where required) confirms that:

– the appropriate procedure was executed in preparing the settlement amounts using the Check Tool version of the end-user computing tool

The signature for 'Approved by' confirms that settlement amounts are reasonable, as follows:

– the settlement amount meets the expectations of the Approver, given the settlement amounts for previous periods; AND, where appropriate,

– the Production Tool settlement amounts match the Check Tool settlement amounts; OR

– the settlement amounts match a participant-submitted claim; OR

– the settlement amounts match data submitted by a source outside Settlements.

For adjustments to manual Per Unit entries between a Preliminary and Final statement see Part 4 on Page 4.

PART 1 - SOURCE INFORMATION

Populated by: Abbas Zaidi
(Creator)

Department: Market Settlements

Verified by: ______
(Checker, where required)

Department: ______

Approved by: Yan Bechamp

Department: Market Settlements

PART 4 - TO BE COMPLETED BY SETTLEMENT PRODUCTION PERSONNEL

Data Input By: __________

Sign & Date: __________

Checked By: __________

Manual Line Items Entry IDs: ____

Per Unit Charge IDs: ____

Settlement Statement Trade Date Where Charge Will Appear:

Title: Analyst

Sign&Date:

Title:

Sign&Date:

Title: Supervisor, Customer Billing

Sign&Date:

Data Charge Entered:

mm/dd/yyyy

Sign & Date:

mm/dd/yyyy

CONFIDENTIAL

es

04/23/2018

mm/dd/yyyy

mm/dd/yyyy

04/23/2018

mm/dd/yyyy

mm/dd/yyyy

Cell: AU55
Comment: To Insert Date:
Right-click in the cell and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.

Cell: AU60
Comment: To Insert Date:
Right-click in the cell and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.

Cell: AU65
Comment: To Insert Date:
Right-click in the cell and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.

Cell: X74
Comment: To Insert Date:
Right-click in the cell and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.

Cell: AU76
Comment: To Insert Date:
Right-click in the cell and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.

Cell: AD82
Comment: To Insert Date:
Right-click in the cell and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.

Hour
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Allocate By:
Export (DQSW)
Generation (AQEI)
Generation & Import (AQEI) (DQSI)
Import (DQSI)
Load (AQEW)
Load & Export (AQEW) (DQSW)

Zones	
ALL ZONES	
MBSI	MANITOBA
MNSI	MINNESOTA
MISI	MICHIGAN
NYSI	NEW YORK
PQBE	PQ.B5D.B31L
PQDA	PQ.D5A
PQHA	PQ.H9A
PQQC	PQ.Q4C
PQPC	PQ.P33C
PQXY	PQ.X2Y
PQHZ	PQ.H4Z
PQDZ	PQ.D4Z
ONZN	ONTARIO

CT ID	Charge Type Name
1	Energy Forward Settlement Credit
51	Energy Forward Settlement Debit
52	Transmission Rights Auction Settlement Debit
53	Transmission Rights Congestion Rent Revenue
54	Forfeited TR Market Deposit
98	Transmission Rights Auction Cash Deposit Applied
100	Net Energy Market Settlement for Generators and Dispatchable Load
101	Net Energy Market Settlement for Non-Dispatchable Load
102	TR Clearing Account Credit
103	Transmission Charge Reduction Fund
104	Transmission Rights Settlement Credit
105	Congestion Management Settlement Credit for Energy
106	Congestion Management Settlement Credit for 10 Minute Spinning Reserve
107	Congestion Management Settlement Credit for 10 Minute Non-Spinning Reserve
108	Congestion Management Settlement Credit for 30 Minute Operating Reserve
111	Northern Pulp and Paper Mill Elec Transition Prog Settlement Amt
112	Ontario Power Generation Rebate
113	Additional Compensation for Administrative Pricing Credit
114	Outage Cancellation / Deferral Settlement Credit
115	Unrecoverable Testing Costs Credit
116	Tieline Maintenance Reliability Credit
117	Emergency Energy Credit
118	Emergency Energy Rebate
119	Station Service Reimbursement Credit
120	Local Market Power Debit
130	Intertie Offer Guarantee Settlement Credit - Energy
131	Intertie Bid Guarantee
132	Hour Ahead Dispatchable Load Offer Guarantee
133	Generation Cost Guarantee Payment
134	Demand Response Credit
135	Real-Time Import Failure Charge
136	Real-Time Export Failure Charge
140	Fixed Energy Rate Settlement Amount
141	Fixed Wholesale Charge Rate Settlement Amount
142	Regulated Price Plan Settlement Amount
143	NUG Contract Adjustment Settlement Amount
144	Regulated Nuclear Generation Adjustment Amount
145	Regulated Hydroelectric Generation Adjustment Amount
146	Global Adjustment Settlement Amount
147	Clean Generation and Demand-Side Projects Settlement Amount
148	Renewable Generation Settlement Amount
149	Regulated Price Plan Retailer Settlement Amount
150	Net Energy Market Settlement Uplift
155	Congestion Management Settlement Uplift

161	Northern Pulp and Paper Mill Elec Transition Prog Balancing Amt
162	Ontario Power Generation Rebate Debit
163	Additional Compensation for Administrative Pricing Debit
164	Outage Cancellation / Deferral Debit
165	Unrecoverable Testing Costs Debit
166	Tieline Maintenance Reliability Debit
167	Emergency Energy and EDRP Debit
168	TR Market Shortfall Debit
169	Station Service Reimbursement Debit
170	Local Market Power Rebate
182	Hour Ahead Dispatchable Load Offer Guarantee Debit
183	Generation Cost Guarantee Recovery Debit
184	Demand Response Debit
186	Intertie Failure Charge Rebate
190	Fixed Energy Rate Balancing Amount
191	Fixed Wholesale Charge Rate Balancing Amount
192	Regulated Price Plan Balancing Amount
193	NUG Contract Adjustment Balancing Amount
194	Regulated Nuclear Generation Balancing Amount
195	Regulated Hydroelectric Generation Balancing Amount
196	Global Adjustment Balancing Amount
197	Clean Generation and Demand-Side Projects Balancing Amount
198	Renewable Generation Balancing Amount
199	Regulated Price Plan Retailer Balancing Amount
200	10-Minute Spinning Reserve Market Settlement Credit
201	10-Minute Spinning Reserve Market Shortfall Rebate
202	10-Minute Non-Spinning Reserve Market Settlement Credit
203	10-Minute Non-Spinning Reserve Market Shortfall Rebate
204	30-Minute Operating Reserve Market Settlement Credit
205	30-Minute Operating Reserve Market Shortfall Rebate
250	10-Minute Spinning Market Reserve Hourly Uplift
251	10-Minute Spinning Market Reserve Shortfall Debit
252	10-Minute Non-Spinning Market Reserve Hourly Uplift
253	10-Minute Non-Spinning Market Reserve Shortfall Debit
254	30-Minute Operating Reserve Market Hourly Uplift
255	30-Minute Operating Reserve Market Shortfall Debit
300	Capacity Reserve Market Settlement Credit
301	Capacity Reserve Market Shortfall Rebate
350	Capacity Reserve Market Uplift
351	Capacity Reserve Market Shortfall Debit
400	Black Start Capability Settlement Credit
402	Reactive Support and Voltage Control Settlement Credit
404	Regulation Service Settlement Credit
406	Emergency Demand Response Program (EDRP) Credit
410	IESO-Controlled Grid Special Operations Credit
450	Black Start Capability Settlement Debit
451	Hourly Reactive Support and Voltage Control Settlement Debit

452	Monthly Reactive Support and Voltage Control Settlement Debit
454	Regulation Service Settlement Debit
460	IESO-Controlled Grid Special Operations Debit
500	Must-Run Contract Settlement Credit
550	Must-Run Contract Settlement Debit
600	Network Service Credit
601	Line Connection Service Credit
602	Transformation Connection Service Credit
603	Export Transmission Service Credit
650	Network Service Charge
651	Line Connection Service Charge
652	Transformation Connection Service Charge
653	Export Transmission Service Charge
700	Dispute Resolution Settlement Credit
702	Debt Retirement Credit
703	Rural Rate Settlement Credit
704	OPA Administration Credit
750	Dispute Resolution Settlement Debit
751	Dispute Resolution Board Service Debit
752	Debt Retirement Charge
753	Rural Rate Settlement Charge
754	OPA Administration Charge
850	Market Participant Default Settlement Debit
900	GST/HST Credit
950	GST/HST Debit
1050	Self-Induced Dispatchable Load CMSC Clawback
1130	Day-Ahead Intertie Offer Guarantee Settlement Credit
1131	Intertie Offer Guarantee Settlement Credit
1133	Day-Ahead Generation Cost Guarantee
1134	Day-Ahead Linked Wheel Failure Charge
1135	Day-Ahead Import Failure Charge
1136	Day-Ahead Export Failure Charge
1137	Intertie Offer Guarantee Reversal
1138	Day-Ahead Fuel Cost Compensation Credit
1139	Intertie Failure Charge Reversal
1188	Day-Ahead Fuel Cost Compensation Debit
1330	On behalf of OPA for the DR2 Program-Availability Payment Settlement Amount
1331	On behalf of OPA for the DR2 Program-Availability Set-Off Settlement Amount
1332	On behalf of OPA for the DR2 Program-Utilization Payment Settlement Amount
1333	On behalf of OPA for the DR2 Program-Utilization Set-Off Settlement Amount
1334	On behalf of OPA for the DR2 Program-Meter Data Set-Off Settlement Amount
1335	On behalf of OPA for the DR2 Program-Buy-Down Settlement Amount
1336	On behalf of OPA for the DR2 Program-Miscellaneous Settlement Amount
1340	On Behalf of OPA for the DR3 Program - Availability Payment Settlement Amount
1341	On Behalf of OPA for the DR3 Program - Availability Over-Delivery Settlement Amt
1342	On Behalf of OPA for the DR3 Program - Availability Set-Off Settlement Amount
1343	On Behalf of OPA for the DR3 Program - Utilization Payment Settlement Amount

1344	On Behalf of OPA for the DR3 Program - Utilization Set-Off Settlement Amount
1345	On Behalf of OPA for the DR3 Program - Planned Non-Performance Event Set-Off Amt
1346	On Behalf of OPA for the DR3 Program - Meter Data Set-Off Settlement Amount
1347	On Behalf of OPA for the DR3 Program - Buy-Down Settlement Amount
1348	On Behalf of OPA for the DR3 Program - Miscellaneous Settlement Amount
1380	Demand Response 2 Availability Payment Balancing Amount
1381	Demand Response 2 Availability Set-Off Balancing Amount
1382	Demand Response 2 Utilization Payment Balancing Amount
1383	Demand Response 2 Utilization Set-Off Balancing Amount
1384	Demand Response 2 Meter Data Set-Off Balancing Amount
1385	Demand Response 2 Buy-Down Balancing Amount
1386	Demand Response 2 Miscellaneous Balancing Amount
1390	Demand Response 3 Availability Payment Balancing Amount
1391	Demand Response 3 Availability Over-Delivery Balancing Amount
1392	Demand Response 3 Availability Set-Off Balancing Amount
1393	Demand Response 3 Utilization Payment Balancing Amount
1394	Demand Response 3 Utilization Set-Off Balancing Amount
1395	Demand Response 3 Planned Non-Performance Event Set-Off Balancing Amount
1396	Demand Response 3 Meter Data Set-Off Balancing Amount
1397	Demand Response 3 Buy-Down Balancing Amount
1398	Demand Response 3 Miscellaneous Balancing Amount
1400	OPA Contract Adjustment Settlement Amount
1401	Incremental Loss Settlement Credit
1402	Hourly Condense System Constraints Settlement Credit
1403	Speed-no-load Settlement Credit
1404	Condense Unit Start-up and OM&A Settlement Credit
1405	Hourly Condense Energy Costs Settlement Credit
1406	Monthly Condense Energy Costs Settlement Credit
1407	Condense Transmission Tariff Reimbursement Settlement Credit
1408	Condense Availability Cost Settlement Credit
1409	Monthly Condense System Constraints Settlement Credit
1410	Renewable Energy Standard Offer Program Settlement Amount
1411	Clean Energy Standard Offer Program Settlement Amount
1412	Feed-In Tariff Program Settlement Amount
1413	Renewable Generation Connection - Monthly Compensation Amount Settlement Credit
1414	Hydroelectric Contract Initiative Settlement Amount
1415	Conservation Assessment Recovery
1450	OPA Contract Adjustment Balancing Amount
1451	Incremental Loss Offset Settlement Amount
1460	Renewable Energy Standard Offer Program Balancing Amount
1461	Clean Energy Standard Offer Program Balancing Amount
1462	Feed-In Tariff Balancing Amount
1463	Renewable Generation Connection - Monthly Compensation Amount Settlement Debit
1464	Hydroelectric Contract Initiative Balancing Amount
1500	Day-Ahead Production Cost Guarantee - Comp 1
1501	Day-Ahead Production Cost Guarantee - Comp 2
1502	Day-Ahead Production Cost Guarantee - Comp 3

1503	Day-Ahead Production Cost Guarantee - Comp 4
1504	Day-Ahead Production Cost Guarantee - Comp 5
1505	Day-Ahead Production Cost Guarantee Reversal
1510	Day-Ahead Generator Withdrawal Charge
1550	Day-Ahead Production Cost Guarantee Recovery Debit
1560	Day-Ahead Generator Withdrawal Rebate
1600	Forecasting Service Settlement Amount
1650	Forecasting Service Balancing Amount
2000	Finance Charges
2009	IEMO/MP Distribution/Allocation
3001	Compliance Penalty Level 1
3002	Compliance Penalty Level 2
3003	Compliance Penalty Level 3
3004	Compliance Penalty Level 4
3500	Compliance Formula Based Penalty
3600	Local Market Power Penalty
3700	Dispute Resolution - Arbitration Award
3701	Dispute Resolution - Arbitration Costs
3702	Dispute Resolution - Mediation Costs
4000	Contingency Penalties
5000	Settlement Agreement
5010	Settlement Adjustments
7540	Transfer of Funding to OPA
9500	Embedded Generation Top Up Payment
9800	Interest on Line of Credit
9850	Recovery of Deficient Prudentials
9889	OEFC Interest Payable Due to Bill 210
9980	Smart Metering Charge
9989	Market Penalties Transfer to IESO Corporate
9990	IESO Administration Charge
9991	Physical Market Invoice Prepayment
9993	Bank Arrangement Fee
9994	Upfront Bank Fee
9995	Annual Agency Fee
9996	Legal Fees
9997	DPP Administration Fee
9998	Semi Annual Interest on Cash Prudentials
9999	Market Interest Transfer to IESO Corporate

PART 3 - MANUAL LINE ITEMS

MANUAL LINE ITEMS

	MANDATORY INPUT FIELDS				
Field Entry	**Market Participant ID**	**Adjustment $ Amount**	**Effective Date**	**Settlement Type**	**Comment**
Field Format	Numeric (0 decimals)	Numeric (2 decimals)	Numeric mm/dd/yyyy	N = New A = Adjustment	Text (256 Characters Maximum) Month,Year,MP Name, Short Description
Entry 1	[redacted]	-149000000.00	03/31/2018	N	Ontario Fair Hydro Plan Regulatory Asset Transfer Amount
Entry 2		149000000.00	03/31/2018	N	Ontario Fair Hydro Plan Regulatory Asset Transfer Balancing Amount
Entry 3					
Entry 4					
Entry 5					
Entry 6					
Entry 7					
Entry 8					
Entry 9					
Entry 10					
Entry 11					
Entry 12					
Entry 13					
Entry 14					
Entry 15					
Entry 16					
Entry 17					
Entry 18					
Entry 19					
Entry 20					

EXAMPLE	123456	50000.00	01/31/2006	N	January,2006,Ontario Generation Inc.,Reactive Support

NOTE: (1) Do not change cell formatting or column sequence. (2) Follow the procedures outlined on Page 1.

			OPTIONAL		MANDATORY (* See note at bottom of page.)			
Charge Type ID	**Trade Hour**	**Trade Minute**	**Billable MWh Quantity**	**$ Price**	**Zone ID**	**Location ID ***	**Tax Rate %**	**Tax $ Amount**
Numeric (0 decimals)	Numeric (0 decimals)	Numeric (0 decimals)	Numeric (3 decimals)	Numeric (5 decimals)	Text (16 Characters Max.)	Numeric (0 decimals)	Numeric (4 decimals)	Numeric (2 decimals)
6000	0	0	0.000	0.00000	ONZN		0.0000	0.00
6050	0	0	0.000	0.00000	ONZN		0.0000	0.00
402	16	30			ONZN	654321 *	6.0000	3000.00

(* "Location ID" is MANDATORY for 600 series Charge Codes and ALL MACD submissions where applicable.)

Cell: F9
Comment: To Insert Date:
Right-click in the cells below and select "Insert Date" from the shortcut menu.

Select date in this order:
Month, Year then Day from the pop-up calendar.
When the DAY is selected, the cell will be auto-populated with the date.