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**MARCH 1, 2023**

Refresher

# Implementation for the Replacement of the Settlement System Project

# Purpose

- Refresher on the Replacement of the IESO's Settlement System (RSS)
- Overview of changes
- Overview of Market Participant Readiness Actions
- Outline next steps to implementation on May 1, 2023

# Refresher: What is the RSS Project?

- The RSS project is a largely behind-the-scenes project that will bolster the IESO's ability to provide settlement services. The project will:
  - Address current technical limitations
  - Provide a new ability to address settlement statement disagreements transparently and efficiently
  - Enable settlement updates being introduced as a part of the Market Renewal Program (MRP)

## Refresher: What is the RSS Project? (Cont'd)

- The project does not include any changes to systems that are upstream or downstream of the Settlement System
- Updates to charge types and equations relating to MRP will be included as part of the MRP project

# What's Changing Under RSS for Market Participants?

1. Enhancements to Online Settlement Form submissions and Notice of Disagreement systems
2. Settlements Disagreement and Resettlements Process
  - Associated market rule amendments
  - New recalculated settlement statements
3. Amended Charge Types
4. Changes to existing settlement statements
  - MP to DP Records
  - Detail Record settlement type flags (P,F,A,R 1-6,RF)
  - Change Record

## Enhancements to ONSLF system

- Consolidation of how participants submit information for settlement through the Online Settlement Forms (ONLSF)
  - 4 new forms with file upload capability
  - 6 existing forms have file upload capability added
- Please see Appendix for details on specific online settlement forms to see whether or not you are impacted by these changes

## Enhancements to NOD system

- Notice of Disagreement (NOD) system enhanced to support addition of recalculated settlement statement (RCSS) and ability to initiate a NOD on FSS and RCSS.
  - File Format Specs, Charge Types and Equations and Settlements Calendars are currently available on [Pending Changes](#)
- Deadline for Notice of Disagreement extended from 4 days to **6 days** following the posting of Settlement Statements
- Introducing a limitation for resettlements two years after the trade month, after which the IESO will not further restate a trade date

# Settlement Disagreements and Resettlements Process

- Introducing recalculated settlement statements (RCSS) between Final Settlement Statements (FSS) and the end of the limitation for resettlements to restate a trade date's settlement charges
- Establishing an ultimate limitation period of two years for disputes, after which no market participant may submit or serve, and no action shall be taken with respect to, a notice of dispute

# Limitation Period Changes by Disagreement Channel

## Settlement Statement Errors and Omissions

- Extended current Notice of Disagreement period for the Physical Market from 4 business days to 6 business days after the Preliminary Settlement Statement (PSS), and applying it to all new or resettled charges on every settlement statement; apply to all new or resettled charges on every settlement statement including PSS, FSS and applicable RCSS (1-6) up to two-years after the trade date.

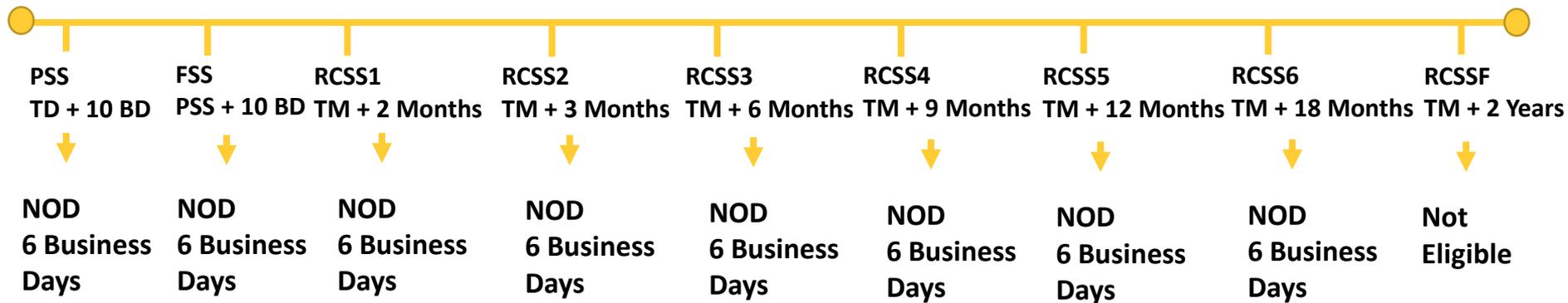
## Metering Disagreements

- Limitation period of up to 23 months after the trade date

## IESO Statement Validation Process

- Limitation period of up to 23 months after the trade date

# Settlement Statements Frequency – Physical Market



- Business Day (BD)
- Last business day of Trading Month (TM) associated with the trade date
- Final Settlement Statement (FSS)

- Trade Date (TD)
- Preliminary Settlement Statement (PSS)
- Recalculated Settlement Statement (RCSS 1 – 7/F)

# Settlement Statements Frequency – Financial Market



- Business Day (**BD**)
- Last business day of Trading Month (**TM**) associated with the trade date
- Final Settlement Statement (**FSS**)

- Trade Date (**TD**)
- Preliminary Settlement Statement (**PSS**)
- Recalculated Settlement Statement (**RCSS 1 – 7/F**)

# 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

# Settlement Type for New, Adjusted and Restated Amounts in the Financial 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

# Amended Charge Types

- Break-out of dispatchable energy settlement into separate components
  - Existing CT 100 to be replaced by 4 charges, including:
    - CT 1101 (dispatchable generators)
    - CT 1103 (dispatchable loads)
    - CT 1111 (imports)
    - CT 1113 (exports)
- No change to the formulas behind settlement, solely increased specificity and granularity for participants

# Amended Charge Types (Cont'd)

- Break-out of non-dispatchable energy settlement into separate components
  - Existing CT 101 to be replaced by 2 charges, including:
    - CT 1114 (non-dispatchable generators)
    - CT 1115 (non-dispatchable loads)
- Three new Operating Reserve charge types will be implemented along with RSS
  - CT 206 (10-Minute Spinning non-Accessibility Settlement Amount)
  - CT 208 (10-Minute non-Spinning non-Accessibility Settlement Amount)
  - CT 210 (30-Minute non-Accessibility Settlement Amount)

# Location Specific GA Changes

- The new settlement system has been expanded to better support location-level settlement of Global Adjustment
- Settlement of the following charge types will now be per location:
  - CT 147 (Class A Global Adjustment)
  - CT 148 (Class B Global Adjustment)
  - CT 1148 (Class B Global Adjustment Energy Storage Reimbursement)
- Further details contained in the Appendix
- *Note: This does not impact LDCs. LDCs will see no change.*

# MP Record Structure

- The structure of many manual settlement adjustments ('MP' records) will now match the structure of the automated settlement records ('DP' records)

**Existing Manual Adjustments Structure (14 columns):**

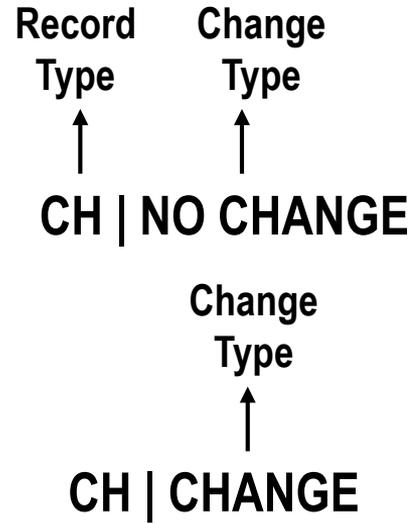
MP|142|31-AUG-2021|0|0|1000.00|ONZN||P|||0.13|130.00|Sample RPP Claim

**NEW Manual Adjustments structure (35 columns, supporting data added where applicable):**

MP|142|31-AUG-2021|0|0|1000.00|ONZN||P|500.000|||||||300.000|||||||Sample RPP Claim|.13|130.00

- A list of charge types that are changing from MP records to DP records are contained in the appendix.

# Change Record



# Optional RCSS Statements

- The IESO is only obligated to publish Recalculated Statements 1-6 (RCSS 1-6) if there are new or adjusted amounts for the trading day.

However, participants may elect to have these statements published for each trading day, irrespective of whether the RCSS statement contains a new or adjusted amount. This can be done by emailing IESO Customer Relations to request this. Further instructions will be provided prior to RSS go-live.

Note that PSS, FSS and RCSSF statements will always be published for each trading day.

## **\*\*Ad hoc RCSS Settlement Statements\*\***

- At the IESO's discretion Ad hoc statements can be issued at any time, as a new version of an RCSS (1-6)
- Up to and including the date on which the final recalculated settlement statement is issued

## Optional \$0 Amounts

- By default, settlement statements issued by the IESO will only contain non-\$0 transactions, as has been the practice in the past.

However, participants may elect to have \$0 transactions appear on their settlement statements published for each trading day. This can be done by emailing IESO Customer Relations to request this. Further instructions will be provided prior to RSS go-live.

# Capacity Auction Settlement

- With RSS go-live, Capacity Auction charges types will now be settled on a settlement statement for the relevant trading day. This means that these charges will no longer be settled on the next month-end PSS.
- For example, settlement amounts for May 2023 will be settled on May 2023 RCSS-1 statements as opposed to the June 30 PSS. Note that despite this change, there is no change in the settlement timeline, since the June 30th PSS and the May 2023 RCSS-1 statements are issued on the same date.

## Capacity Auction Settlement, cont'd

- As per the IESO Charge Types and Equations, the resolution for these charges are as follows:

Hourly Charges: CT 1317 and 1320. These charges will be settled on the RCSS-1 statement for the relevant trading day.

Daily Charges: CT 1315. This charge will be settled on the RCSS-1 statement for the relevant trading day.

Monthly Charges: CT 1314, 1316, 1318 and 1319. These charges will be settled on the month-end RCSS-1 statement.

# CMSC Clawbacks

- CMSC Clawback charge types 1050 and 1051 will no longer be used for trading days post RSS go-live.

CT 1050: When clawbacks apply under rules currently described for CT 1050, the associated CT 105 record will reflect the adjusted settlement amount and column 33 of the record will describe the business rule applied in the adjustment.

CT 1051: For intervals identified as ramp-down intervals, the CT 105 record will have an amount of \$0 and the associated CT 122 record will reflect the adjusted CMSC amount.

# RSS Implementation Readiness

- **What documentation is available?**

Currently available on IESO's [Pending Changes](#) webpage

- **Format Specifications for Settlement Statement Files and Data Files (IMP\_SPEC\_0005)**
  - Introducing the concept of Recalculated Settlement Statements (RCSS), a new type of statement that will be issued for the Physical and Financial markets as part of the implementation of MR-00472
  - Highlighting changes to the content and structure of existing Preliminary and Final Settlement Statements
  - Output specifications for planned new charge types related to OR accessibility and energy breakout
- **IESO's Charge Types and Equations (IMP\_LST\_0001)**
  - Calculation details for planned new charge types relating to OR accessibility and energy breakout currently scheduled to start with RSS
- **Draft Physical and Financial calendars for 2023**
  - Highlighting the addition of new RCSS statements and other related changes under MR-00472
- **NOD Workflow Diagram**
- **Revised Training Workbooks**
  - [Settlement Statement and Invoices Workbook](#)
  - [Transmission Rights Workbook](#)

# Market Participant Readiness Actions Needed

- MPs should review their business process to incorporate the new extended NoD Window, the file upload capability for forms, and the limitation period.
- MPs should review the documents posted to understand the frequency of the RCSS, and the format specifications/sample files for the settlement statement changes, particularly if you are using APIs to collect data.
- MPs should sign up for one of 4 training sessions.

# Implementation Timeline

Date	Activity
March 22, 2023 March 29, 2023 April 4, 2023 April 12, 2023	IESO's "Introduction to Settlements/Commercial Reconciliation" Training for Market Participant Settlements staff (1/2 day hands-on workshop on Settlements, including the new RSS changes).
March 24, 2023	Publication of Market Manual 5.5 (Physical Market Settlement) for stakeholder comment
April 30, 2023	Final Trade Date for use of existing Settlement System and Market Rules
<b>May 1, 2023 Go-Live</b>	RSS In-Service date (new formats will take effect for any Settlement Statements related to the May 1st Trade Date and beyond) RSS Market Rule revisions take effect
10 <sup>th</sup> Business Day after RSS In-Service date: May 15, 2023	First PSS Statements issued in new RSS format (for May 1st Trade Date)
20 <sup>th</sup> Business Day after RSS In-Service date: May 30, 2023	First FSS Statements issued in new RSS format (for May 1st Trade Date)

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# Thank You

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# Appendix: Online Settlement Forms Overview

No.	Name	Description	File Upload Capability
<b>Forms with updates</b>			
1	Rpp Conventional Meters	Regulated Price Plan vs. Market Price - Variance for Conventional Meters	Yes
4	Embedded Generation	Embedded Generation, Energy Storage, and Class A Load Information	Yes
6	Submission of Transmission	Submission of Transmission Service Charges for Embedded Generation	Yes
10	Feed-In Tariff	Feed-In Tariff Program - LDC & Embedded LDC	Yes
13	Coincident Peak	Coincident Peak Data for Class A Consumer Consumption, Embedded Generation and Energy Storage	Yes
15	OESP - LDC	Ontario Electricity Support Program (OESP) - LDC & USMP	Yes
25	OREC-OESP Variance - USMP	OREC-OESP Variance - USMP	Yes
26	NGE	Natural Gas Expansion	No
<b>New Forms</b>			
41	OPG PA	OPG Hydroelectric Prescribed Assets Embedded Measurement	Yes
42	Alternative Regulation Service	Alternative Regulation Service	Yes
45	Regulation Services (New)	Regulation Services	Yes
47	Coincident Peak Data Update	Coincident Peak Data Update for Class A Consumers	Yes
<b>Retired Forms</b>			
17	OREC - LDC	Ontario Rebate for Electricity Consumers (OREC) - LDC & USMP	Retired
18	OREC - Sub-Meter Provider	Ontario Rebate for Electricity Consumers (OREC) - Sub-Meter Provider	Retired
21	OFHP - Financing	Ontario Fair Hydro Plan - Financing Entity Funding Expenses	Retired
30	CEAP	COVID-19 Energy Assistance Program	Retired
31	CEAP - SB	COVID-19 Energy Assistance Program - Small Business	Retired
32	CEAP - 2021-2022	COVID-19 Energy Assistance Program - 2021-2022	Retired

# Appendix: Online Settlement Forms Overview

No.	Name	Description	File Upload Capability
Forms with No Changes			
2	Rpp Smart Meters	Regulated Price Plan vs. Market Price - Variance for Smart Meters	No changes
3	Rpp Final Variance	Regulated Price Plan - Final Variance Settlement Amount	No changes
5	Renewable RESOP	Renewable Energy Standard Offer Program (RESOP) - LDC & Embedded LDC	No changes
7	NUG Adjustment	NUG Adjustment Amount Information	No changes
8	Global Adjustment	Global Adjustment Amount Information	No changes
9	HESOP	Hydroelectric Standard Offer Program (HESOP)	No changes
11	GCG	Generation Cost Guarantee	No changes
14	Procurement Contracts	Procurement Contracts	No changes
16	OESP - Service Providers	Ontario Electricity Support Program (OESP) - Service Providers	No changes
19	OFHP - Non-RPP - LDC	OFHP for Eligible Non-RPP Customers - LDC & USMP	No changes
20	DRP	Distribution Rate Protection (DRP)	No changes
22	RRRP - Fixed Rate	Rural or Remote Rate Protection (RRRP) - Fixed Rate Credit	No changes
23	FNDC	First Nations On-Reserve Delivery Credit (FNDC)	No changes
24	HCI	Hydroelectric Contract Initiative	No changes
27	OER	Ontario Electricity Rebate (OER) - LDC & USMP	No changes
28	OER-OESP Variance - USMP	OER-OESP Variance - USMP	No changes
29	OFHP RPP Adjustment - LDC	OFHP RPP Adjustment - LDC	No changes

# Appendix: MP to DP Changes

The following table lists the charge types moving from a MP structure to a DP structure

Charge Type ID	Charge Type Name	Impacted Group
119	STATION SERVICE REIMBURSEMENT CREDIT	Eligible generators
121	NORTHERN ENERGY ADVANTAGE PROGRAM SETTLEMENT AMOUNT	Eligible program participants
133	GENERATION COST GUARANTEE PAYMENT	Eligible generators
142	REGULATED PRICE PLAN SETTLEMENT AMOUNT	Eligible non-LDC participants
145	REGULATED HYDROELECTRIC GENERATION ADJUSTMENT AMOUNT	OPG
195	REGULATED HYDROELECTRIC GENERATION BALANCING AMOUNT	IESO
404	REGULATION SERVICE SETTLEMENT CREDIT	Alternate Regulation participants
1316	CAPACITY OBLIGATION - ADMINISTRATION CHARGE	DR participants
1319	CAPACITY OBLIGATION - BUY-OUT CHARGE	DR participants
1350	CAPACITY BASED RECOVERY AMOUNT FOR CLASS A LOADS	All energy consumers (Internal Ontario)
1351	CAPACITY BASED RECOVERY AMOUNT FOR CLASS B LOADS	All energy consumers (Internal Ontario)
1423	ENERGY SALES AGREEMENT SETTLEMENT CREDIT	Energy Sales Agreement contract holder
1424	ENERGY SALES AGREEMENT PENALTY SETTLEMENT AMOUNT	Energy Sales Agreement contract holder
1457	ONTARIO ELECTRICITY REBATE BALANCING AMOUNT	MoE
1463	RENEWABLE GENERATION CONNECTION - MONTHLY COMPENSATION AMOUNT SETTLEMENT DEBIT	All energy consumers (Internal Ontario)
1466	CONSERVATION AND DEMAND MANAGEMENT-COMPENSATION BALANCING AMOUNT	IESO
1473	ENERGY SALES AGREEMENT BALANCING AMOUNT	IESO
1474	ENERGY SALES AGREEMENT PENALTY BALANCINGAMOUNT	IESO
2404	SUPPLEMENTAL REACTIVE SUPPORT AND VOLTAGE CONTROL SERVICE SETTLEMENT CREDIT	Alternate Regulation participants
9920	ADJUSTMENT ACCOUNT CREDIT	All energy consumers (Internal Ontario and Exports)
9980	SMART METERING CHARGE	LDCs
9983	ONTARIO ELECTRICITY REBATE SETTLEMENT AMOUNT	Eligible non-LDC participants
9990	IESO ADMINISTRATION CHARGE	LDCs

# Location-based GA Settlement Statement Scenarios

**Purpose:** To provide examples to expand on how location based GA charges will be presented on a settlement statement.

*Notes:*

- No change to the GA regulation, no change to calculations, no impact to invoices
- Locations IDs reference a delivery point
- Will be implemented in Q2 2023, with the Replacement of the Settlement System

# Location-based GA Settlement Statement Scenarios

- Scenarios
  - Scenario 1: Participant has only Class A Locations
  - Scenario 2: Participant has only Class B Locations
  - Scenario 3: Participant has Class A and B Locations (Hybrid)

Note: Scenarios and examples are completely fictional

# Scenario 1: Participant has only Class A Locations (4)

## Current Settlement Statement:

```
SC|147|CLASS A GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-12340.00|N
DP|147|31-JUL-2021|0|0|-12340.00|ONZN||P|||||||-1000000000.00|||||||0.00001234|.13|-1604.20
```

Participant-Level Settlement Amount      Participant-Level Peak Demand Factor

## New Settlement Statement

```
SC|147|CLASS A GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-12340.00|N
DP|147|31-JUL-2021|0|0|-570.00|ONZN|987654|P|||||||-1000000000.00|||||||0.00000057|.13|-74.10
DP|147|31-JUL-2021|0|0|-780.00|ONZN|987653|P|||||||-1000000000.00|||||||0.00000078|.13|-101.40
DP|147|31-JUL-2021|0|0|-3940.00|ONZN|987652|P|||||||-1000000000.00|||||||0.00000394|.13|-512.20
DP|147|31-JUL-2021|0|0|-7050.00|ONZN|987651|P|||||||-1000000000.00|||||||0.00000705|.13|-916.50
```

Location-Level Settlement Amount      Class A Location ID      Location-Level Peak Demand Factor

# Scenario 2: Participant has only Class B Locations (4)

## Current Settlement Statement:

SC|148|CLASS B GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-330008.02|N

DP|148|31-JUL-2021|0|0|-330008.02|ONZN|P||||8455839.856||||-780395395.65|0||||3575.745|0|||0|0|0|||.13|-42901.04

↑  
Participant-Level Settlement Amount

↑  
Participant-Level Class B Load

## New Settlement Statement

SC|148|CLASS B GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-330008.02|N

DP|148|31-JUL-2021|0|0|-11393.84|ONZN|**123456**|P||||8455839.856||||-780395395.65|0||||123.456|0|||0|0|0|||.13|-1481.20

DP|148|31-JUL-2021|0|0|-42157.38|ONZN|**123455**|P||||8455839.856||||-780395395.65|0||||456.789|0|||0|0|0|||.13|-5480.46

DP|148|31-JUL-2021|0|0|-72828.72|ONZN|**123454**|P||||8455839.856||||-780395395.65|0||||789.123|0|||0|0|0|||.13|-9467.73

DP|148|31-JUL-2021|0|0|-203628.08|ONZN|**123453**|P||||8455839.856||||-780395395.65|0||||2206.377|0|||0|0|0|||.13|-26471.65

↖  
Location-Level Settlement Amount

↖  
Class B Location ID

↑  
Location-Level Class B Load

# Scenario 3: Participant has Class A and B Locations

## Current Settlement Statement:

SC|147|CLASS A GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-12340.00|N

SC|148|CLASS B GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-330008.02|N

DP|147|31-JUL-2021|0|0|-12340.00|ONZN||P|||||||-1000000000.00|||||||0.00001234|.13|-1604.20

DP|148|31-JUL-2021|0|0|-330008.02|ONZN||P|||||8455839.856|||||-780395395.65|0||||3575.745|0|||0|0|0|||.13|-42901.04

(CONTINUED ON NEXT SLIDE)

# Scenario 3: Participant has Class A and B Locations

## New Settlement Statement (Cont'd)

SC|147|CLASS A GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-12340.00|N

SC|148|CLASS B GLOBAL ADJUSTMENT SETTLEMENT AMOUNT|31-JUL-2021|-330008.02|N

DP|147|31-JUL-2021|0|0|-570.00|ONZN|**987654**|P|||||||100000000.00|||||||0.00000057|.13|-74.10

DP|147|31-JUL-2021|0|0|-780.00|ONZN|**987653**|P|||||||100000000.00|||||||0.00000078|.13|-101.40

DP|147|31-JUL-2021|0|0|-3940.00|ONZN|**987652**|P|||||||100000000.00|||||||0.00000394|.13|-512.20

DP|147|31-JUL-2021|0|0|-7050.00|ONZN|**987651**|P|||||||100000000.00|||||||0.00000705|.13|-916.50

DP|148|31-JUL-2021|0|0|-11393.84|ONZN|**123456**|P||||8455839.856||||-780395395.65|0|||123.456|0||0|0|0|||.13|-1481.20

DP|148|31-JUL-2021|0|0|-42157.38|ONZN|**123455**|P||||8455839.856||||-780395395.65|0|||456.789|0||0|0|0|||.13|-5480.46

DP|148|31-JUL-2021|0|0|-72828.72|ONZN|**123454**|P||||8455839.856||||-780395395.65|0|||789.123|0||0|0|0|||.13|-9467.73

DP|148|31-JUL-2021|0|0|-203628.08|ONZN|**123453**|P||||8455839.856||||-780395395.65|0|||2206.377|0||0|0|0|||.13|-26471.65

## 2023 Physical Resettlement Calendar

	RCSS-1	RCSS-2	RCSS-3	RCSS-4	RCSS-5	RCSS-6
Calendar Month	Posting - RCSS-1	Posting - RCSS-2	Posting - RCSS-3	Posting - RCSS-4	Posting - RCSS-5	Posting - RCSS-6
	Trading Dates					
Jan 2023						
Feb 2023						
Mar 2023						
Apr 2023						
May 2023						
Jun 2023						
Jul 2023	May-23					
Aug 2023	Jun-23	May-23				
Sep 2023	Jul-23	Jun-23				
Oct 2023	Aug-23	Jul-23				
Nov 2023	Sep-23	Aug-23	May-23			
Dec 2023	Oct-23	Sep-23	Jun-23			
Jan 2024	Nov-23	Oct-23	Jul-23			
Feb 2024	Dec-23	Nov-23	Aug-23	May-23		
Mar 2024	Jan-24	Dec-23	Sep-23	Jun-23		
Apr 2024	Feb-24	Jan-24	Oct-23	Jul-23		
May 2024	Mar-24	Feb-24	Nov-23	Aug-23	May-23	
Jun 2024	Apr-24	Mar-24	Dec-23	Sep-23	Jun-23	
Jul 2024	May-24	Apr-24	Jan-24	Oct-23	Jul-23	
Aug 2024	Jun-24	May-24	Feb-24	Nov-23	Aug-23	
Sep 2024	Jul-24	Jun-24	Mar-24	Dec-23	Sep-23	
Oct 2024	Aug-24	Jul-24	Apr-24	Jan-24	Oct-23	
Nov 2024	Sep-24	Aug-24	May-24	Feb-24	Nov-23	May-23
Dec 2024	Oct-24	Sep-24	Jun-24	Mar-24	Dec-23	Jun-23

Calendar year 2024 events are subject to change