

# Release Plan for IT Changes

## Preliminary Plan for Release 48.0, September 2022

Changes to IESO systems planned as part of Release 48.0 are described below. Unless noted otherwise, the planned deployment dates are:

- Sandbox Build on August 4, 2022
- Non-Real Time Build on September 7, 2022
- Real-Time Build on September 14, 2022

For the annual 2022 IESO IT Release Schedule Web page, [click here](#).

Three changes are planned in this release. Each change has a unique ID number.

- ID101009 – Capacity Auction Enhancement - Changes to the Capacity Auction Post-Auction Reports
- ID101053 - Improving Awareness of System Operating Conditions
- ID101054 – Replacement of the Commercial Reconciliation System and Modifications to Integrated Systems

Any modifications in future versions of this release plan will be noted in the description. More information about the IT Release Plan is found at the end of this document.

Questions or concerns about IESO Release Plans can be sent to the email, [pending.changes@ieso.ca](mailto:pending.changes@ieso.ca) or directed to IESO Customer Relations.

# ID101009 - Capacity Auction Enhancement - Changes to the Capacity Auction Post-Auction Reports

## Type of change

Non-Real Time, Category 2.

## Stakeholder & Document References

- Market Manual 12: Capacity Auctions
- Market Manual 4.3: Real Time Scheduling of the Physical Market
- Market Manual 4.2: Submission of Dispatch Data in the Real Time and Operating Reserve Market
- Market Manual 7.3: Outage Management
- Market Manual 5.5: Physical Market Settlements
- IESO Charge Types and Equations

## Applications Impacted

Sandbox	Production
Public & Private Reports	Public & Private Reports
Click <a href="http://reports-sandbox.ieso.ca/">http://reports-sandbox.ieso.ca/</a> to go to the web page on ieso.ca	Click <a href="http://reports.ieso.ca/">http://reports.ieso.ca/</a> to go to the web page on ieso.ca

## Reason for Change

Reflect the change from enrolled capacity to UCAP and incorporate cleared ICAP/cleared UCAP (also part of capacity qualification) into 2022 capacity auction.

## Description of Change

In the Capacity Auction-Post Auction Confidential report, the new column "Cleared ICAP (MW)" will be added, and the terminologies and description will be updated to support the shift from enrollment to qualification (UCAP) in the Post-Auction public report.

## Expected Impact

The format of the data files will be changed for Post Auction Confidential report.

# ID101053 - Improving Awareness of System Operating Conditions

## Type of change

Non-Real Time, Category 2. The IESO expects the change will be introduced on June 27, 2022 as part of MR Amendment 000470. [Click here to view on IESO webpage.](#)

## Stakeholder & Document References

- MR Amendment MR-00470
- Ch. 5 sections 2.5.1, 2.5.2, 2.5.3, 5.9A.1, 5.9A.2 & 6.4.9.1
- Ch. 7 sections 7.2.2, 7.2.3, 11.2.1, 11.2.2, 11.3.1, 11.3.2, 11.3.3,
- 12.1.2, 12.1.3, 12.1.3A, 12.2.1, 12.2.2 & 12.2.3
- Ch. 11 definitions
- Market Manual Part 7.1: IESO Controlled Grid Operating Procedures
- Market Manual Part 7.2: Near-Term Assessments and Reports
- Market Manual Part 7.3: Outage Management
- Market Manual Part 7.4: IESO Controlled Grid Operating Policies

## Applications Impacted

Sandbox	Production
n/a	IESO Advisory Webpage RSS XML Feeds

## Reason for Change

Improve communications during extreme weather or grid events. This will allow participants to prepare their operations and take action accordingly to maintain reliability and enhance grid resilience.

## Description of Change

Adding new element(s) to RSS feed to improve communication.

The following elements will be added/edited:

- Advisory Type
- Advisory Title
- Advisory Description
- Advisory Comment

There may be associated changes to the [advisory webpage](#) to introduce descriptions and update tables.

### **Expected Impact**

Users will notice new elements on the RSS feed and advisory messages will be different from previous publications. Continue to monitor advisory webpage/RSS feed to receive important/urgent advisories related to grid events.

There is no expected changes required for users.

# ID101054 - Replacement of the Commercial Reconciliation System and Modifications to Integrated Systems

## Type of change

Non-Real Time, Category 2.

## Stakeholder & Document References

Engagement with Stakeholders on these changes began in 2019 as part of the Market Renewal Program engagement activities and details can be found here:

<https://www.ieso.ca/en/Market-Renewal/Stakeholder-Engagements/Energy-Detailed-Design-Engagement>

- SPEC-142: File Format Specification for Capacity Auction Data Files
- IMP\_SPEC\_0006: File Format Specification for Participant Transmission Tariff Data Files
- IMP\_SPEC\_0007: File Format Specification for the Transmitter Transmission Tariff Data File
- IMP\_SPEC\_0008: File Format Specification for Transmitter Reconciliation Data File Format Specification
- IMP\_SPEC\_0005: Format Specifications for Settlement Statement Files and Data Files
- IMP\_LST\_0001: IESO Charge Types and Equations
- IMP\_REP\_0016: Transmission Tariff Peak System Demand Data Report
- Guide to Settlement Claims and Data Submissions via Online IESO
- MDP\_PRO\_0017 Market Manual 2: Market Administration, Part 2.1: Dispute Resolution
- IMP\_PRO\_0058 Market Manual 3: Metering, Part 3.9: Conformance Monitoring
- MPD\_PRO\_0031 Market Manual 5: Settlements, Part 5.1: Settlement Schedule and Payments Calendar (SSPCs)
- MDP\_PRO\_0033 Market Manual 5: Settlements, Part 5.5: Physical Markets Settlement Statements **(will be renamed to Part 5.5: Physical Market Programs)**
- MDP\_PRO\_0046 Market Manual 5: Settlements, Part 5.7: Financial Market Settlement Statements **(will be renamed to Part 5.7: Settlement Process)**
- MDP\_PRO\_0047 Market Manual 5: Settlements, Part 5.8: Financial Market Settlement Invoicing **(will be renamed to Part 5.8 Settlement Invoicing)**
- Market Manual 5: Settlements, Part 5.10: Settlement Disagreements **(New)**

## Applications Impacted

Sandbox	Production
<p>Sandbox Online IESO</p> <p>The following Online IESO applications will be impacted:</p> <ul style="list-style-type: none"><li>• Notice Of Disagreement</li><li>• Online Settlements Form</li></ul> <p>IESO Sandbox Participant Reports (Settlement Statements and Data Files)</p> <p>Click <a href="http://reports-sandbox.ieso.ca/">http://reports-sandbox.ieso.ca/</a> to go to the web page on ieso.ca</p>	<p>Commercial Reconciliation System</p> <p>Online IESO</p> <p>The following Online IESO applications will be impacted:</p> <ul style="list-style-type: none"><li>• Notice Of Disagreement</li><li>• Online Settlements Form</li></ul> <p>IESO Participant Reports (Settlement Statements and Data Files)</p> <p>Click <a href="http://reports.ieso.ca/">http://reports.ieso.ca/</a> to go to the web page on ieso.ca</p>

## Reason for Change

The Commercial Reconciliation System (CRS) was deployed in May 2002 as part of the original Market development project. Over the years, these systems have undergone many modifications arising from market design changes, directives from the government and correction to functionalities. Given the age of the systems, the evolution of the market since 2002, expected market re-design from the Market Renewal Program and changing scope of IESO settlement arising from the merger of the former IESO and former OPA, the Commercial Reconciliation System was due for replacement to ensure it can meet our current and future business needs.

The CRS replacement will also consolidate how participants submit information for settlement. Submission of some settlement data will now be moved to Online IESO – Online Settlements Forms which will result in a change to this system.

In parallel with the CRS replacement, there are market rule amendments that will be included in the new CRS system and these changes need to be integrated in other systems that support the Market Settlements business processes. These systems are:

- Online IESO - Notice of Disagreement
- IESO Participant Reports (Settlement Statements and Data Files)

The RSS (Replacement of Settlements System) project addresses the changes to all these systems.

## Description of Change

### Commercial Reconciliation System

The Commercial Reconciliation System is being replaced entirely with a new system that uses different technologies to settle charges for the market. The new technologies include a new

calculation engine running on a Docker container, a Mongo database, REST APIs for upstream/downstream integrations and a web client interface.

The Commercial Reconciliation System is not an external facing application so the replacement of this system does not directly impact external Market Participants. However, the changes for the Market Participant will be seen from the systems that integrate with it that are external facing.

These changes support the market rule amendments identified in Market Rule Amendment #MR-00472-R00.

<https://www.ieso.ca/-/media/Files/IESO/Document-Library/tp/2022/iesotp-20220419-mr-00472-r00-rss-amendment-proposal.ashx>

### **IESO Participant Reports (Settlement Statements and Data Files)**

The change to the Market Participant will be seen in their settlement statements and data files. There will be additional folders in the reports site that will store the “recalculated” settlement statements and supporting data files. In addition, there will be changes in the format for settlement statements and data files.

The changes will be described in further detail in an update to the Format Specifications for Settlement Statement Files and Data Files document that is scheduled be part of the Baseline 48.0 schedule.

### **Online IESO – Notice Of Disagreement:**

- The Notice of Disagreement application will be re-named to “Settlement Disagreements Management System”
- The deadline for submitting a Notice of Disagreement will be extended from 4 days to 6 days
- The Notice of Disagreement contact will have the ability to submit a disagreement for any settlement statement other than a final recalculated settlement statement.
- The Notice of Disagreement contact will see significant aesthetic changes to the user interface, that include layout, formatting, which will facilitate a greater ease of use and enhance the user experience.

### **Online IESO – Online Settlements Forms**

There will be new forms added to Online IESO – Online Settlements Forms to help consolidate the submission of this data through one platform. These forms are:

- Alternative Regulation Service
- Coincident Peak Data Update for Class A Consumers (LDCs)
- OPG Hydroelectric Prescribed Assets Embedded Measurement
- Regulation Services

The Settlement Data and File Submitter will have the ability to submit data by uploading data files. Downloadable templates will be made available. This feature will be available for the following forms:

- Regulated Price Plan vs. Market Price - Variance for Conventional Meters
- Submission of Transmission Service Charges for Embedded Generation
- Ontario Electricity Support Program (OESP) - LDC & USMP
- OPG Hydroelectric Prescribed Assets Embedded Measurement
- Regulation Services

The Settlement Data and File Submitter will have the ability to upload supporting documents using downloadable templates (where applicable) for the following forms:

- Embedded Generation, Energy Storage, and Class A Load Information
- Submission of Transmission Service Charges for Embedded Generation
- Coincident Peak Data for Class A Consumer Consumption, Embedded Generation and Energy Storage
- Ontario Electricity Support Program (OESP) - LDC & USMP
- OREC-OESP Variance – USMP
- OPG Hydroelectric Prescribed Assets Embedded Measurement
- Alternative Regulation Service
- Regulation Services

## **Expected Impact**

### **Commercial Reconciliation System**

IESO Settlements users will have a new web user interface to support their daily work activities and their roles in supporting the settlements business processes. As part of the Replacement of Settlement System (RSS) project, these users will have attended training sessions and be involved in the User Acceptance Testing so that they can be familiar with the system upon go-live. They will also be provided user guides.

### **Online IESO – Notice of Disagreement**

The existing NOD application has been replaced with a new application called Settlement Disagreements Management System. The new application will be implemented and additional channel called **IESO System Errors** to track the resolution of settlement issues identified by the IESO.

There are updates to the settlement disagreement business process that will be implemented as part of this release. These updates involve new business roles with tasks to support the process. As part of the Replacement of Settlement System (RSS) project, these users will be involved in the User



Acceptance Testing so that they can be familiar with the system upon go-live. They will also be provided user guides.

### **Online IESO – Online Settlements Forms**

There are updates to the settlements claims business process that will be implemented as part of this release. These updates involve new claim forms and new business roles with tasks to support the process. As part of the Replacement of Settlement System (RSS) project, these users will be involved in the User Acceptance Testing so that they can be familiar with the system upon go-live. They will also be provided user guides.

### **IESO Participant Reports (Settlement Statements and Data Files)**

The changes to participant reports does not impact IESO Settlements users directly since these outputs are for market participants.

## About the IT Release Plan

Four times a year, the IESO coordinates a release package of changes to IESO systems that will impact users outside the IESO. These changes are categorized as either

- **Category 2** change (users will have to make a functional change, such as an update to a procedure), or
- **Category 3** change (users will have to modify a technical interface with an IESO system or solution).

For each release, three versions of the Release Plan are published:

1. Preliminary Release Plan
2. Target Release Plan
3. Final Release Plan

The IT Release Schedule provides the planned dates for each release. Dates for specific changes may differ from the calendar dates, but these will be provided in the Release Plan. For the full 2022 Release Schedule on the IESO Web page , [click here](#).

Sandbox Implementation is the date the change is deployed on the IESO Sandbox environment, used for testing and training

Production Build is the date the change goes live. This may happen during either:

1. Real-Time Build for systems used to interact with the IESO-Controlled Grid or IESO-Administered Market, or
2. Non-Real Time Build for other systems used to interact with the IESO, such as those used for settlements or registration activities.

Efforts are made to minimize the impacts of system outages during planned releases. Planned outages are posted in advance on the IESO Planned IT Outages Web page. [Click here for a link](#).