

Release Plan for IT Changes

Preliminary Plan for Release 49.1, June 2023

Changes to IESO systems planned as part of Release 49.1 are described below. Unless noted otherwise, the planned deployment dates are:

- Sandbox Build on April 27, 2023
- Non-Real Time Build on May 31, 2023
- Real-Time Build on June 7, 2023

For the annual 2023 IESO IT Release Schedule Web page, [click here](#).

Any modification from a previous release plan is 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 address, pending.changes@ieso.ca or directed to IESO Customer Relations.

ID101969 - 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>

Applications Impacted

Sandbox

Sandbox Online IESO

The following Online IESO applications will be impacted: Notice Of Disagreement, Online Settlements Form

IESO Sandbox Participant Reports (Settlement Statements and Data Files)

Click <http://reports-sandbox.ieso.ca/> to go to the web page on ieso.ca

Production

Commercial Reconciliation System

Online IESO

The following Online IESO applications will be impacted: Notice Of Disagreement, Online Settlements Form

IESO Participant Reports (Settlement Statements and Data Files)

Click <http://reports.ieso.ca/> to go to the web page on ieso.ca

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 49.1 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 an 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.

ID101979- Update IESO Reports Site with new software and REST API endpoint

Type of change

Non-Real Time, Category 3. The sandbox deployment for this change will be on May 11, 2023. The production deployment for this change will be June 15, 2023.

Stakeholder & Document References

- IESO Reports API Guide
- Outbound Automated Document, Application Programming Interface (IMO_SPEC_0100)

Applications Impacted

Sandbox	Production
IESO Sandbox Reports Click http://reports-sandbox.ieso.ca/ to go to this Web page on ieso.ca	IESO Reports Click http://reports-sandbox.ieso.ca/ to go to this Web page on ieso.ca
IESO Sandbox Reports (REST API) Click https://reports-sandbox.ieso.ca/api/v1.1/ to go to this webpage.	IESO Reports (REST API) Click https://reports.ieso.ca/api/v1.1/ to go to this webpage.

Reason for Change

The IESO Report Site publishes both IESO public market and reliability data, and private Market Participant reports. It is responsible for managing, presenting and enabling the download of reports for customers.

Upgrading the IESO's Reports Site will put the IESO in a position to ensure continuous delivery of automated reports (both public and private reports) is maintained and supported.

Integrating IESO's Reports Site REST API with the new IESO API Gateway will improve the IESO's central management, configuration and monitoring for all IESO's API assets and provides a long-term solution for API management.

Description of Change

The IESO Reports Site will be upgraded as part of the release.

The IESO Reports Site browser interface will now integrate with IESO's secure Identity Provider (IdP), also referred to as IESO Gateway for authentication and SSO.

IESO Reports Site REST API will be integrated with the new IESO API Gateway.

Expected Impact

The browser interface to access participant reports will see minor changes to the look and feel.

The browser interface to access participant reports will be using a different login form. Users will be redirected to the IESO Gateway login page. Please see the following guide:

[IESO Gateway User Guide](#)

Market participants with registered API accounts will access the Reports Site interface using a new REST API gateway endpoint. API consumer applications will need to be updated to use the new endpoint URL.

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 2023 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](#).