

IESO Report Site Refresh

New Report Site Changes
October 10, 2014 – R. Jovic



Introduction

The current IESO Report Site faces a number of issues:

- Report Site Performance and Capacity
 - The IESO Report Site is built upon aging hardware and software technologies
 - There is limited capacity to support report publishing and peak Participant demand
 - A refresh is needed to support expected publishing and report access load
- Limited Report Access Options
 - The current Report Site supports one interface method to retrieve reports
 - Report retrieval can be simplified by offering additional access methods
 - Participants can retrieve reports using common solutions

Proposed Solution

The IESO is proposing two phases of upgrades to the Report Site:

- Extended Service Life and Capacity
 - refresh the back-end technologies that publish and host reports
 - update the front-end website infrastructure to service report access
 - enhance IESO monitoring and troubleshooting tools
- New Report Access Methods
 - introduce new programmatic and user interfaces to retrieve reports
 - migrate to new interfaces for all private report access
 - adopt industry-standard best practices to enhance efficiency and security

Extended Service Life and Capacity

Existing service level for report access is maintained:

- Legacy back-end technologies are replaced
 - an industry-standard “Managed File Transfer (MFT) Solution” is deployed to publish and host reports
- Website infrastructure is updated
 - new webservers are deployed to service report access
- Report access methods remain unchanged
 - During this phase, keep existing programmatic interfaces (scrapers) to retrieve reports and existing Report Site “look and feel” for user (browser-based) access
 - Participants will be asked to test their current scrapers

New Methods to Access Reports

Participants will have new capabilities to retrieve IESO Reports:

- New programmatic and user interfaces to retrieve reports
 - IESO will release REST-compliant web services (API) for Participants to program automated report access
 - IESO will also release a new browser-based user interface for private report access
 - SFTP-standard clients will be supported for private report access
- Migrate to new interfaces for all private report access
 - new URLs will be deployed to support the new report access methods
 - old URLs are maintained for the existing access methods and a parallel-run time-window will be established to facilitate cut-over to the new interfaces
 - user access to public reports will remain unchanged, however participants that scrape public reports are encouraged to deploy the REST API

Plan and Schedule

Participant involvement is needed for following changes:

- Extended Service Life and Capacity – planned in-service, Feb 2015
 - Participants will be invited to test their scrapers and user access with the updated IESO Report Site
- New Report Access Methods – planned in-service, June 2015
 - Prior to the in-service date, Participants will be invited to test their new programmatic and user interfaces during Sandbox market trials
 - A production parallel-run time-frame will be established, where both old and new Report Site URLs are available to support the cut-over to new report access interfaces (methods)
 - Participants will migrate to new report access method during cut-over window with support from the IESO

Next Steps

- Solicit input from customers on ideas, issues, proposed changes
- Update working group on solutions and progress in implementation
- Next meeting suggested for late Q4/early Q1 2015