**eMarket Enhancements effective 6/1/2018 for the Price Responsive Demand (PRD) Project and Market Open/Close Timeline Changes**

1. High Level Changes in eMarket
2. Market open/close timeline change:

ISO-NE will change the eMarket opening timeline to **allow Day Ahead offers for the Day+2 market day and beyond** when the Day Ahead Market for Day+1 is approved. The generation offer validation will use mitigation schedules from 10:00AM or the latest available reference levels based on submission time.

For example, when the day-ahead case for June 02, 2018 is approved on June 1, 2018, market participants will be able to submit demand bids and generation offers for June 03, 2018 through June 11, 2018. These offers will be validated against the June 01, 2018 10:00AM reference levels or the latest available reference levels based on the submission time. If subsequent mitigation processes detect offer submissions violating thresholds or reference levels, generating units may be mitigated as per existing tariff rules.

1. PRD Project changes:

As part of the Price Responsive Demand (PRD) project, eMarket will be modified for full integration of demand-response resources (DRRs) into the New England wholesale energy markets. This change will enable market participants and demand-designated entities with demand-response resources mapped to demand response assets (DRAs) to participate in the energy and reserve markets similar to the way that generator owners do today. **There are no changes to Generation, Demand, and DARD offer parameters as part of this project.**

The new DRR functionality in the eMarket user interface will be accessible via a new DRR display tab and associated DRR sub-tabs. Similar to generators, DRR offers will be submitted using DRR default parameters, DRR daily and hourly price schedule data, and DRR hourly updates. During the re-offer and intraday re-offer periods participants will be able to submit changes to the hourly non-financial DRR parameters, i.e. startup/notification times, minimum/maximum reduction MW limits, claimed capability MWs, and ramp rates.

Web services will also be enhanced to allow DRRs to submit offers to day-ahead and real-time markets and view or download the market clearing results. DRR participants will be required to develop new client software to work with the new eMarket DRR web service APIs.

The following sub-tabs will be available for DRR offer data submission and download:

* 1. Portfolio Manager
  2. DRR Default Parameters
  3. Schedule Manager
  4. Schedule Detail Defaults
  5. Schedules Offers Default
  6. Schedules Offers Hourly Updates
  7. Schedule Times Hourly Updates
  8. Schedule Section
  9. Hourly Updates
  10. DRR by Portfolio
  11. XML Download

The DRR sub-tabs are similar to but not exactly same as the generation sub-tabs, for example fuel price adjustments are not applicable to DRRs hence there is no sub-tab for that functionality.

Other differences include:

* The ramp rate management for DRRs does not allow for multiple MW segments
* Startup and notification times for a DRR do not differentiate across hot/inter/cold boiler states
* The operating limits for DRRs include only minimum and maximum reduction (no emergency limits or RTHOL limits)
* Single Interruption cost for DRRs analogous to startup and no load costs for generators
* Incremental cost curve for DRRs does not allow using bid slope.

To gain access to the new DRR functionality in eMarket when it becomes available, users should contact their security administrator to request that the read/write or read-only DRR role for eMarket be assigned to their person record in the Customer and Asset Management System (CAMS). Once users are registered in CAMS for the DRR Read Only or Read/Write role, they will be able to access the new DRR displays and web services API.

For helpful information regarding the revised eMarket UI and eMarket web services, please refer to the eMarket User Documentation section listed below.

1. Transitional PRD (Load Response) Changes:

The eMarket load response functionality will be retired with the implementation of PRD on 6/1/2018. The Read Only functionality will continue to be available until 6/15/2018 to allow participants to download results for the 14 days following 6/1/2018. After 06/15/2018, the load response functionality will be discontinued and the LRP Read/Write and LRP Read Only roles will be removed from the eMarket production and sandbox environments.

1. Migration Timeline

**The new DRR functionality will be available in the eMarket**

* **Sandbox** environment starting 03/1/2018
* **Production** environment by 06/01/2018

**Migration strategy for Load Response customers and users:**

After 06/01/2018, users with the eMarket LRP Read/Write role will be converted to the LRP Read Only role. The Read Only role will not permit users to **submit** offers, but they will be able to view or download previously submitted data for the 14 days after 6/1/2018.

1. eMarket User Documentation

The following documents are available on the ISO-NE website to support testing in the eMarket sandbox and updating client software to the new specification. Prior to PRD implementation links to these documents are available on the [PRD project page](https://www.iso-ne.com/participate/support/customer-readiness-outlook/prd-project) under the Technical Documentation, Rules, and Procedures section. The final versions will be accessible with the implementation of PRD via the [User Guides web page](v) and the [Upload and Download File Format Protocols web page](v):

* [Price-Responsive Demand (PRD) Project](https://www.iso-ne.com/participate/support/customer-readiness-outlook/prd-project) – overview of the project and related documentation
* eMarket Users Guide v5.4 – user interface guide
* eMarket Data Exchange Specification v10.5 – web services interface guide
* eMarket WSDL – specifications for client XML applications
* eMarket XSD files – specifications for client XML applications
* eMarket client sample programs V7 - .Net and Java query and submittal samples