Markets Gateway Roadmap

As of September 14, 2022

- Reserves Price Formation go-live date approved

Action Required	Deadline	Who May Be Affected
Reserves Price Formation	October 1	Markets Gateway UI and XML users

2022 Markets Gateway Roadmap

2022											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

Reserves Price Formation

◆ Production: Oct 1

Legend
- ● Start Date
- ◆ End Date

Background

- The Reserves project was approved by FERC on Sep.1 for a go-live date of Oct. 1

The work described in the filing includes:

- Consolidation of Tier 1 and Tier 2 synchronized reserves
- Reserves alignment between the Realtime and Day Ahead markets. Including in both:
  - 10 minute reserves
  - 30 minute reserves
- Flexible subzones

Preparation required for Oct. 1:

Become familiar with what's changing

- Use the following link to access the Training environment

https://marketsgatewayreservestrain.pjm.com/marketsgateway/pages/secure/

- Visit the Markets Gateway Tools page (see Reserves section) to review all available documentation (User Guide, Interface Specification Guide, .XSD, etc.

- Visit the Tech Change Forum page (Educational Recordings) to review the education session

Sep. 24, midnight

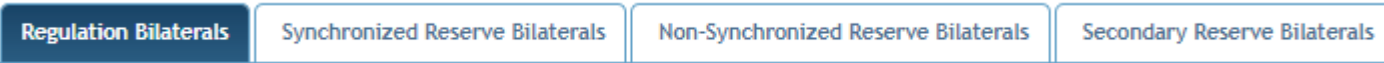•• Markets Gateway becomes available (screens and XML) for submissions for market day Oct.1
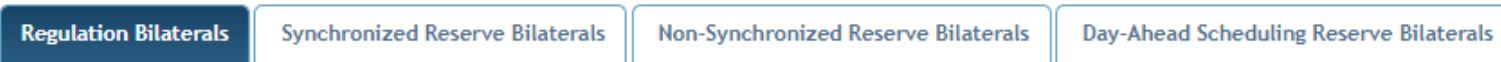
Oct. 1

•• Reserves effective date

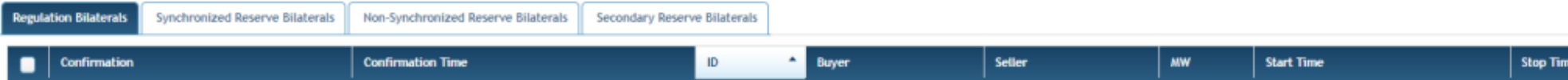- Bilaterals screens and XML changes follow:

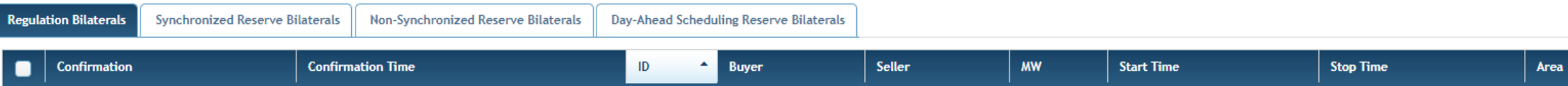**#1 Tab changes – see below**

VS

#2 Regulation Bilaterals Screen – 'Area' dropped

VS

#3 Synchronized Reserve Bilaterals – '%' and Sub-Zone dropped

Regulation Bilaterals	Synchronized Reserve Bilaterals	Non-Synchronized Reserve Bilaterals	Secondary Reserve Bilaterals

☐	Confirmation	Confirmation Time	ID ▲	Buyer	Seller	MW	Start Time	Stop Time	Area

VS

Regulation Bilaterals	Synchronized Reserve Bilaterals	Non-Synchronized Reserve Bilaterals	Day-Ahead Scheduling Reserve Bilaterals

☐	Confirmation	Confirmation Time	ID ▲	Buyer	Seller	MW	%	Start Date Hour	Stop Date Hour	Area	Sub-Zone

#4 Non-Synchronized Reserve Bilaterals – No Changes

#5 Secondary Reserve Bilaterals – New Screen

Regulation Bilaterals	Synchronized Reserve Bilaterals	Non-Synchronized Reserve Bilaterals	Secondary Reserve Bilaterals

☐	Confirmation	Confirmation Time	ID ▲	Buyer	Seller	MW	Start Time	Stop Time	Area

#1 Regulation Bilaterals – day Attribute removed from QueryResponse

<u>**Legacy XML**</u>

<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml">

                <RegulationBilaterals ==day="2022-09-03"==>

<u>**New Reserves XML**</u>

<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml">

                <RegulationBilaterals>

#2 Synchronized Reserve Bilaterals – Element names changed, and day Attribute removed from QueryResponse

<u>**Legacy XML**</u>

<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml">

                <==Spin==ReserveBilaterals ==day="2022-09-01"==>

                        <==Spin==BilateralSchedule>

<u>**New Reserves XML**</u>

<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml">

                <==Synchronized==ReserveBilaterals>

                        <BilateralSchedule>

#3 Non-Synchronized Bilaterals – Element names changed, ProductType Element removed, and day Attribute removed from QueryResponse

<u>Legacy XML</u>

\<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml"\>

    \<==AS==ReserveBilaterals ==day="2022-09-01"==\>

        \<==AS==BilateralSchedule\>

        \<ProductType\>NSR\</ProductType\>

<u>New Reserves XML</u>

\<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml"\>

    \<==NonSynchronized==ReserveBilaterals\>

        \<BilateralSchedule\>

#4 Secondary Reserve Bilaterals – New XML Elements for QueryResponse

<u>New Reserves XML</u>

\<**QueryResponse** xmlns="http://emkt.pjm.com/emkt/xml"\>

    \<==Secondary==ReserveBilaterals\>

        \<BilateralSchedule\>

        …Remainder of XML elements same as the other Bilateral elements…

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Markets Gateway

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Product Details

Markets Gateway allows users to submit information and obtain data needed to conduct business in the Day-Ahead, Regulation and Synchronized Reserve Markets.

Key Product Features

- View Market Results

- Manage Generation and Load Response Portfolios

- Manage Ancillary Service Data

- Manage Market Offers and Transactions