Markets Gateway Roadmap

As of December 17, 2019
# 2019 Markets Gateway Roadmap

<table>
<thead>
<tr>
<th></th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Oct</td>
<td>Nov</td>
</tr>
<tr>
<td>Price Responsive Demand Enhancement (hourly updates)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tech Change Community
In February 2018, FERC directed PJM to include Energy Storage Resources in their Markets

- Electric Storage Resource (ESR) - a resource capable of receiving electric energy from the grid and storing it for later injection of electric energy back to the grid.

- An ESR must be permitted to:
  - Sell the energy, Capacity, and A/S (incl. Black Start etc.) the resource is technically capable of providing
  - Be dispatched and set price as seller and buyer

- Stakeholder discussions and Manual changes are complete

- FERC approval received October 18, 2019
• Education session will be presented on Friday, Dec. 6, 2 pm – 4 pm. Complete – video of the education session can be found here: https://videos.pjm.com/media/0_34ljk03b

• Markets Gateway changes have been installed in the Train environment Complete

• External Interface Specification Guide, v.64, is posted on the Markets Gateway Tools page Complete

• The Production go-live date is scheduled for December 3, 2019 Complete
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