Account Manager, Bulletin Board, Data Viewer, eDataFeed, Messages, Resource Tracker, Voting Roadmaps

As of November 19, 2019
<table>
<thead>
<tr>
<th>Product - Action Required</th>
<th>Deadline</th>
<th>Who May Be Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>At the conclusion of the outage, Account Manager users should re-authenticate their access</td>
<td>November 23, 2019</td>
<td>Account Manager users</td>
</tr>
<tr>
<td>At the conclusion of the outage, Account Manager users should re-authenticate their access</td>
<td>* December 2019</td>
<td>Account Manager users</td>
</tr>
</tbody>
</table>

* Tentative
<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account Manager</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bulletin Board</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Viewer</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>eDataFeed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**
- ● Start Date
- ❣ End Date

**Enhancements**
- Train: 23 Nov, Dec
- Production: 23 Nov, Dec
## 2019 Roadmap Messages, Resource Tracker, Voting

<table>
<thead>
<tr>
<th></th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Messages</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resource Tracker</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Voting</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Legend**

- `●` Start Date
- `◆` End Date

[www.pjm.com | Public](http://www.pjm.com) | PJM©2019
Account Manager – Release Details

• Enhancements
  – Feature release
    • *External* - No tool access by default
    • *Internal* - Enhanced integration between Salesforce (CRM tool) and Account Manager
  – Production: November 23, 2019 / December TBD

<table>
<thead>
<tr>
<th>Impact</th>
<th>Action Required</th>
<th>Outage</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Interface</td>
<td>None</td>
<td>4 hours</td>
</tr>
<tr>
<td>Browserless</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>
Account Manager - Enhancements

- Default tool access process
  - **Current Process**: Users who create a user account under any company account or subaccount are granted automatic access to default tools (Data Miner API, My PJM Public, Member Community Public)
  - **Updated process**: Users who create an account under any company account or subaccount will no longer be granted default tool access and must request access to these tools from their CAM
- Automation of the transfer of data between Salesforce and Account Manager
Reason for Change

• Default tool access
  – Update is based on feedback from stakeholders regarding security concerns around user accounts
  – Change requires CAMs to review a user account prior to the user obtaining any tool access

• Integration between Salesforce and Account Manager
  – Process updated to create efficiencies in how member data is collected and stored in databases throughout PJM
Account Manager is used to create accounts and request and grant access to PJM's tools and website.

**Key Product Features**
- Grants access to PJM Tools
- Member CAMs can determine and regulate access for their respective companies
Bulletin Board facilitates power contracting activity.

**Key Product Features**

- Provides users with access to a larger pool of buyers and sellers of contracts for electric power.
- Allows users to view, post and modify requests to buy or offers to sell power.
Data Viewer allows users to view operational and market data graphically.

**Key Product Features**
- Display real-time LMPs, IT SCED forecasted LMPs, Dispatch Rate, etc.
- Customizable data plots and graphs
eDataFeed is a web service that allows subscribers to select and “stream” PJM locational marginal price data, as well as some operational data directly into their system. eDataFeed delivers information in a format called Simple Object Access Protocol (SOAP) that enables data capture, analysis and decision support to meet the trading, risk management and business decisions of PJM’s members (customers).

Key Product Features
- Allows for automated data retrieval
Messages provides updates and important messages regarding PJM tools.

Key Product Features
- Used by members to view updates and important messages regarding PJM tools.
**Resource Tracker** provides generation owners a single view of generator ownership information as recorded across various PJM applications.

**Key Product Features**
- Single point mechanism for generator ownership information
  - Ownership changes
  - Energy, Capacity and Ancillary Service Ownership
  - Bidding Company
  - Dispatching Company
- Annual confirmation period
Voting facilitates voting at the Markets and Reliability Committee and Members Committee meetings.

Key Product Features
- Facilitates voting at the Markets and Reliability Committee and Members Committee meetings
- Vote tallying and reporting, the tool also allows both on-site and remote meeting attendees to cast votes for agenda items presented to the membership for voting