Operational Planning Analysis & near-term studies:

- PJM shares OPA and other studies with internal TOs as part of shared TOP responsibilities under the PJM TO/TOP Matrix.
- PJM shares OPA and other studies with external neighboring TOP, BA & RC potentially impacted by PJM RC area generation & Transmission outages in the Eastern Interconnection.

This study analysis is provided as part of the communication of PJM Operating Plans.
• pjm.com > markets & operations > System Operations > Transmission

PJM Account, CEII / NDA, and sub-Site Permission required.

- If not logged into a PJM Account, a login screen is displayed.

- If logged in to a PJM Account, but no permission ...

- User will be taken to the Access Request form
PJM OAR Site CAMs:
• Dave Hislop
• Liem Hoang
• Chidi Ofoegbu
• Simon Tam

Email: OARCAM@pjm.com
• **6MO – Six Month Out Study**
  – Aggregate monthly study begins 6 months ahead of scheduled outages. Posted ~ 5.5 months ahead.

• **1MO – One Month Out Study**
  – Aggregate monthly study begins 1 month ahead of scheduled outages. Posted ~ 0.5 months ahead.

• **DA (aka, Day Ahead or Reliability Report)**
  – Internal study in preparation for Real Time performed 1 Business Day ahead of operating day.
  – Study is performed prior to the DA generation commitment and intended to inform that market process.

• **2Pass (i.e. 2nd Pass Report)**
  – Internal study in preparation for Real Time performed 1 Day ahead of operating day.
  – Study is performed after the DA generation commitment, and assesses the need for any additional generation for reliability concerns that were not picked up by the DA generation commitment process.
Outage Analysis Reporting

PJM protects against the uncertainty of facility availability found in real-time operations by employing a comprehensive operating plan to meet all of its reliability requirements. PJM uses security analysts to identify potential problems and coordinate solutions for transmission outage within various time horizons. The following studies are designed to ensure that all submitted outages do not violate PJM reliability criteria or market rules.

Additional information is available in the Open Access Transmission Tariff (OATT), Transmission Owners Agreement (TOA) and manuals M-03: Transmission Manual, M-37: Reliability Coordination (RCC) and M-38: Operations Planning (OPP).

Any identified issues around the posting of the PJM Outage Analysis Reporting files will be tracked and reported within the Issues Log (OPP).

For previous near term reports, visit the Reliability Engineering reports page and 2Pass reports page. For previous long term studies, visit the One Month Out reports page and the Six Month Out reports page. Each of these report pages also contain a brief description of the study.

One Month Out Reports

<table>
<thead>
<tr>
<th>Posting Date</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 2018 (KLS)</td>
<td>5.16.2018 5:01 p.m.</td>
</tr>
<tr>
<td>May 2018 (KLS)</td>
<td>4.17.2018 6:13 p.m.</td>
</tr>
<tr>
<td>April 2018 (KLS)</td>
<td>3.16.2018 4:11 p.m.</td>
</tr>
<tr>
<td>March 2018 (KLS)</td>
<td>2.16.2018 2:51 p.m.</td>
</tr>
<tr>
<td>February 2018 (KLS)</td>
<td>1.16.2018 11:42 a.m.</td>
</tr>
</tbody>
</table>

Historical One Month Out Reports

Six Month Out Reports

<table>
<thead>
<tr>
<th>Posting Date</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 2018 (KLS)</td>
<td>5.18.2018 2:22 p.m.</td>
</tr>
<tr>
<td>October 2018 (KLS)</td>
<td>5.15.2018 10:41 a.m.</td>
</tr>
<tr>
<td>August 2018 (KLS)</td>
<td>2.22.2018 12:00 p.m.</td>
</tr>
<tr>
<td>July 2018 (KLS)</td>
<td>1.33.2018 8:42 a.m.</td>
</tr>
</tbody>
</table>

Historical Six Month Out Reports

Main Page

- 5 Most Recent:
  - Daily RE Reports
  - 2 Pass Reports
  - 1MO Reports
  - 6MO Reports
Historical Data

- Available by Report Type:
  - RE
  - 2 Pass
  - 1MO
  - 6MO
Email Notification:

- Sent as new reports are posted.
- Email includes hyperlink to the report(s).
Typical weekly distribution cycle for OAR Site postings is as follows:

- 2 notifications daily, Monday – Thursday
  - RE Report
  - 2nd Pass Report

- 4 notifications on Friday
  - RE Report for Saturday-Sunday-Monday
  - 2nd Pass Report for Saturday

- 1 notification on Saturday & 1 notification on Sunday
  - 2nd Pass Report for Sunday & Monday respectively
• 1 notification a month for each of the 1 Month Out & 6 Month Out Reports.

Atypical Posting Schedule:
• Should a revision be needed, more than 4 emails may be distributed in a given day.
• For a holiday weekend, there could be more than 4 emails distributed, or an altered schedule.
• Emails can also be condensed into less than the distribution cycle, i.e. via multiple-notifications within one email, provided the reports are posted within the same time window.