



Subregional RTEP Committee

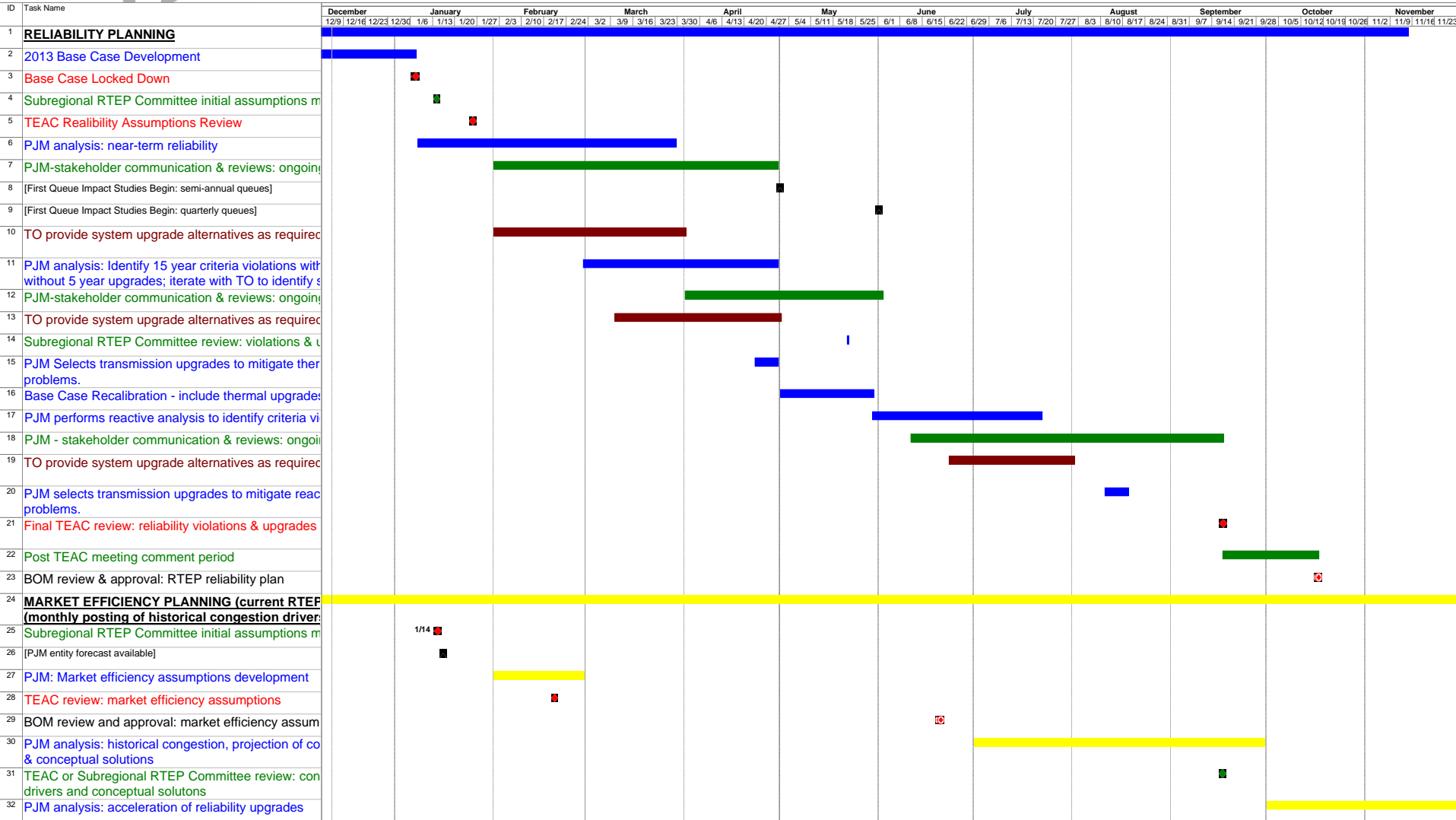
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- FERC Order 890
 - Nine planning principles that must be satisfied for a transmission provider's planning process
 - Planning process should provide for participation and input from customers into plan development
 - Subregional RTEP Committee will facilitate customer participation in a more localized forum

- Facilitate development and review of Subregional RTEP projects
- Focus on reliability projects rated below 230 kV
- Structured similar to existing TEAC
- Subregional RTEP Committee will provide input and recommendations directly to the TEAC
- Initially three Subregions
 - MidAtlantic
 - Southern
 - West
- Initial assumption meeting at the beginning of an RTEP cycle
- Subsequent meetings to review analysis results and transmission solution alternatives

- A Subregional RTEP Project is a reliability transmission expansion or enhancement rated below 230 kV
 - Regional RTEP projects are rated at 230 kV and above
- Why 230 kV?
 - Chosen for administrative convenience
 - Not intended to have any bearing on application of cost allocation or project definition
- Distinction between Regional and Subregional - intended to provide for additional stakeholder input

- Supplemental Project – a regional or subregional RTEP project that is not required for compliance with planning criteria.
- Supplemental projects will not be approved by the PJM Board
- Supplemental projects will be evaluated through PJM's open and collaborative process with the TEAC or Subregional RTEP Committee



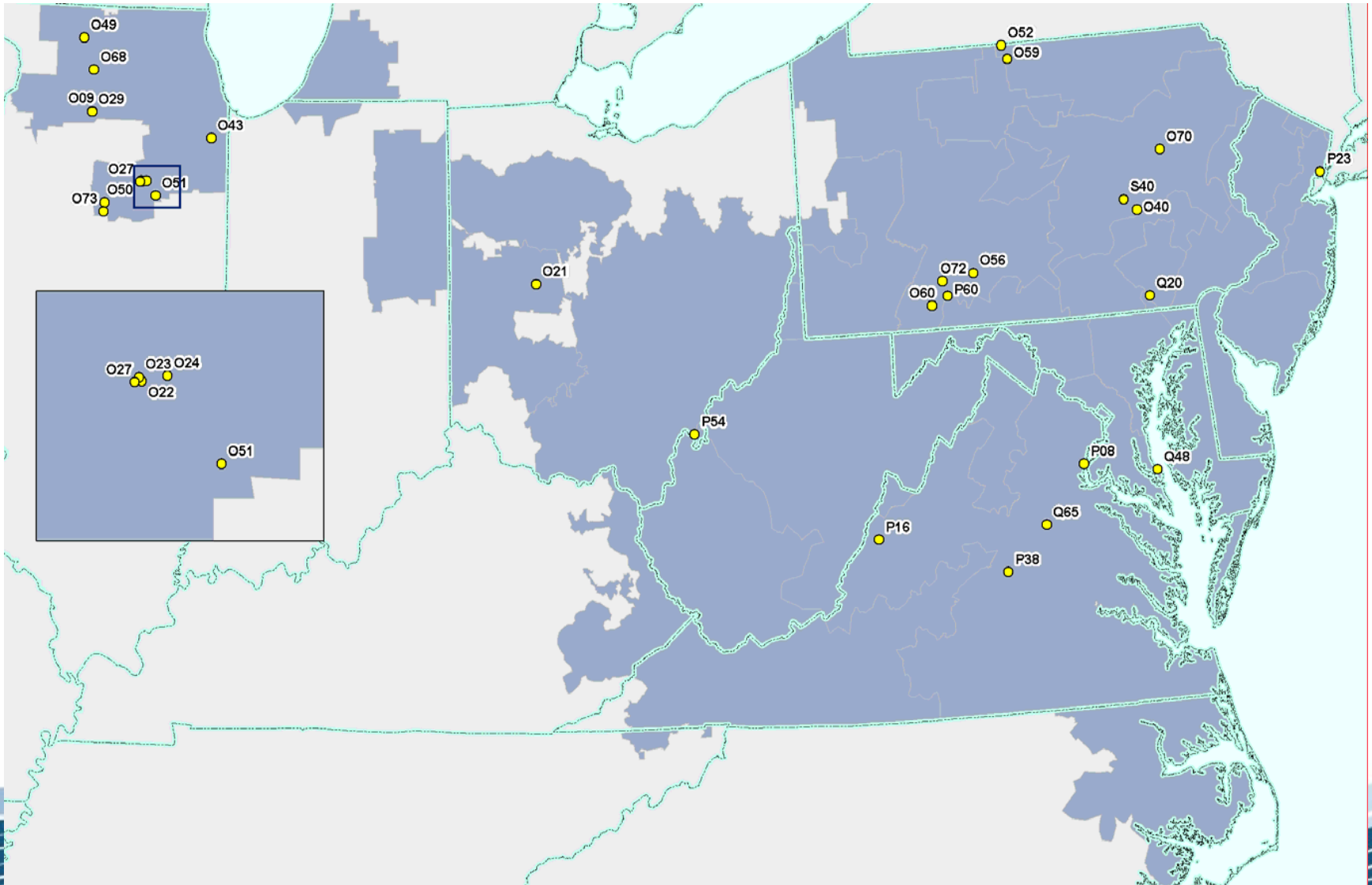


Proposed 2008 Reliability Assumptions

- Power flow models for world load, capacity and topology will be based on the most recent MMWG power flow base cases.
- PJM topology will be based on the latest 2012 base case.
- Long term firm transmission service will be consistent with operations.
- Generation outage rates will be based on the most recent unavailability data available to PJM.
- Generation outage rates for future PJM units will be estimated based on historical outage rates.

- Load will be modeled consistent with the 2008 Load Forecast Report.
- PJM RTO Peak: 149,495 MW
 - PJM South Peak: 21,315 MW
 - PJM West Peak: 66,090 MW
 - PJM Mid-Atlantic: 65,850 MW
- Load Management will be modeled consistent with the 2008 Load Forecast Report
 - Used in LDA under study in load deliverability analysis

- All existing generation expected to be in service for the year being studied will be modeled.
- Future generation with a signed Interconnection Service Agreement will be modeled along with any associated upgrades.
- Generation with a signed ISA will contribute to and allowed to back-off problems.
- Generation with a signed Facility Study Agreement (FSA) will be modeled along with any associated network upgrades.
- Generation with a signed FSA will be modeled off-line except for generation deliverability testing to contribute to problems.
- Generation with a signed FSA, but not an ISA, will not be allowed to back-off problems.
- If the PJM load exceeds the sum of the available generation and generation with an executed ISA then queued generation that has an executed FSA will be modeled.



- **Mid-Atlantic**
 - Parlin, Sewaren, BL England included
 - Benning, Buzzard, Bergen CC, Indian River 1&2 not included
 - New generation with a signed ISA – 1031 MW
 - New generation with a signed FSA – 2438 MW
- **Southern**
 - New generation with a signed ISA – 287 MW
 - New generation with a signed FSA – 3209 MW
- **West**
 - Will County 1 & 2 , Waukegan 6 not included
 - New generation with a signed ISA – 1717 MW
 - New generation with a signed FSA – 3674 MW

| 2013 RTEP IINTERCHANGE | | |
|------------------------|------|-------------|
| FROM | TO | MW |
| PJM | AMRN | 127 |
| PJM | CIN | 708 |
| PJM | EKPC | 0 |
| PJM | FE | 644 |
| PJM | IP | 0 |
| PJM | LGEE | 137 |
| PJM | OVEC | -1853 |
| PJM | ALTW | 264 |
| PJM | ALTE | 155 |
| PJM | CPLC | 270 |
| PJM | CPLW | 250 |
| PJM | DUKE | 63 |
| PJM | MEC | 1370 |
| PJM | MECS | 574 |
| PJM | NIPS | 0 |
| PJM | NYIS | 1957 |
| PJM | WEC | 1215 |
| PJM | TVA | 918 |
| TOTAL | | 6799 |

- All PJM bulk electric system facilities 100 kV and greater, all tie lines to neighboring systems and all lower voltage facilities operated by PJM will be monitored.
- Contingency analysis will include all bulk electric system facilities 100 kV and greater, all tie lines to neighboring systems and all lower voltage facilities operated by PJM.
- Thermal and voltage limits will be consistent with those used in operations.

- Other assumptions we need to discuss?
- Next steps:
 - TEAC in February
 - Analysis
- Suggestions for future meetings?

