

# TC1 - Phase II Analysis Update

Akim Faisal

Interconnection Analysis

June 21<sup>st</sup>

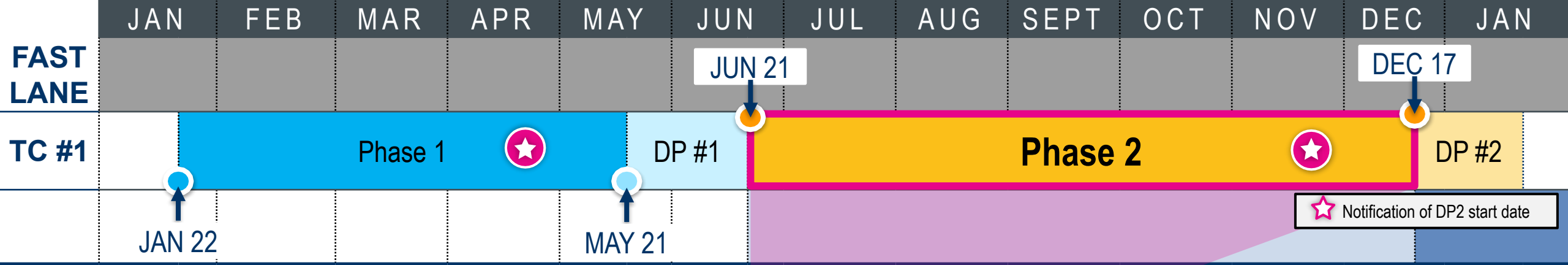
- Start of DP1 Review period (completed)
- Start of Phase II

June – Dec.

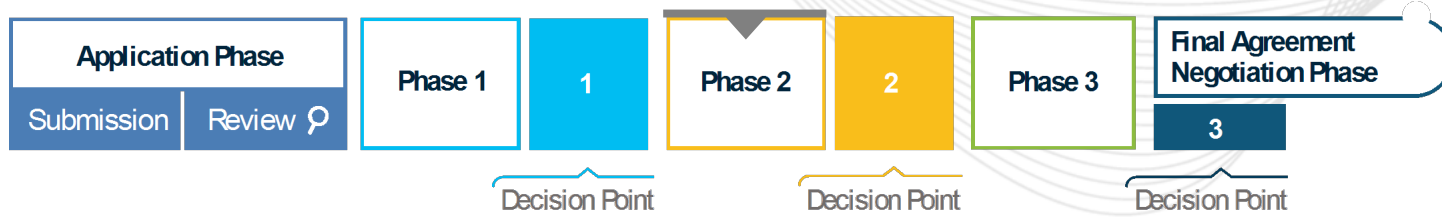
- PJM analysis for all study disciplines
- TO analysis review and network upgrade scope/estimates
- TO Interconnection FAC study
- PJM builds Phase II SIS report

December  
17<sup>th</sup>

- Anticipated close of Phase II
- TOs issued PH II reports for review prior to posting
- PH II Report Posted to PJM.com



| Fast Lane  | TC1 Phase 1<br>(120 Days)  | TC1 Phase 2<br>(180 Days)   |
|--|--|---|
| <ul style="list-style-type: none"> <li>Refreshed analysis (LF/SC/Stability)</li> <li>Facilities Studies (interconnection facilities &amp; network upgrades)</li> <li>Final agreements</li> </ul> | <ul style="list-style-type: none"> <li>Load flow analysis to determine Cycle upgrades</li> <li>Planning-level costs to interconnect</li> </ul> | <ul style="list-style-type: none"> <li>DPI Deficiency Reviews</li> <li>GenDeliv Retool</li> <li>Short Circuit</li> <li>Stability</li> <li>Special Studies</li> <li>TO Analysis</li> <li>Interconnection Facilities Study</li> </ul> |



| PJM ANALYSIS ACTIVITIES   |  | TO ACTIVITIES  |
|---|--|--|
| <ul style="list-style-type: none"> <li>• <b>DPI Deficiency Reviews</b></li> <li>• <b>Phase II Model Updates</b></li> <li>• <b>Test LF Topology-Type Reinforcements</b></li> <li>• <b>Generator Deliverability Retool</b> (Summer, Light Load)</li> <li>• <b>Short Circuit</b></li> <li>• <b>Stability and Reactive Power Assessment</b> (Study Clusters)</li> </ul> | <ul style="list-style-type: none"> <li>• <b>Special Studies (MTX)</b> (N-1 &amp; N-1-1, Load Deliv.)</li> <li>• <b>Special Studies (Storage)</b> (N-1 Voltage)</li> <li>• <b>Affected System Operator Analysis</b> (MISO, NYISO, Duke, LGEE, TVA)</li> </ul> | <ul style="list-style-type: none"> <li>• <b>Renew TO Analysis</b> (FERC Form 715, Local Criteria)</li> <li>• <b>Review PJM Analysis Results</b> and update/provide desk-side estimates for reliability reinforcements</li> <li>• <b>Provide Facility-Level Estimates</b> for Interconnection Facilities (FAC Study)</li> </ul> |

# Phase II Report

Impacts for all  
Phase II  
analysis with  
DP1 changes

Network  
Upgrade cost  
estimates

TO facility-level  
estimate for  
Interconnection  
Facilities

TO Analysis  
  
(FERC 715  
Local Criteria)

Affected System  
Study report  
from Affected  
System  
Operator  
  
(if required and  
available)

Readiness  
Deposit 3  
Calculation

Adverse Study  
Impact  
  
(If applicable)

## LF (SP/LL)

- Available on PJM web: 9/3/2024 → **\*\* Pardot Announcement \*\***
- \*CEI access required

## Short Circuit

- Available via Individual CEI request (9/3/2024)

## Stability

- Available via Individual CEI request (9/3/2024)

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