



# Stability Study Process TC1

Kyle Clifford

Interconnection Analysis

## Develop Stability Clusters

- Projects are clustered based on electrical proximity, with cluster size limitations, to improve study efficiency
- Clusters will remain unchanged throughout the cycle, except for withdrawals

## Transition Cycle I (TC1) stability case build

- Add TC1 projects to the 2027 RTEP Summer Peak and Light Load base case

## Develop scope of work for TC1 projects

- Scope of work development may continue into Phase 2 as needed
- One scope of work report per cluster

### Perform Queue Point data review and model validation - Decision Point 1 (DP1)

- Perform model validation for projects submitting data in accordance with the PJM Dynamic Model Development Guidelines based on DP1 changes

### Prepare TC1 stability case for analysis

- Remove withdrawn projects
- Integrate updated TC1 models based on DP1 changes in to the stability case

### Perform stability analysis and prepare stability reports

- One report per cluster

### Load Flow and Short Circuit Upgrades

- Review/incorporate load flow or short circuit upgrades as needed

## Update TC1 stability case

- Include updates received during Decision Point 2
- Remove withdrawn projects

## Re-run stability analysis as needed

## Review/incorporate LF/SC upgrades as needed

## Presenter:

Kyle Clifford, Sr. Engineer  
Interconnection Analysis  
[Kyle.Clifford@pjm.com](mailto:Kyle.Clifford@pjm.com)



## Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)