# Electrical Distance Calculator Update 

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- Clarification of Electrical Distance Proposal
- Review of maps of Propose Tiers
- Next Steps
- Average Distance vs. Minimum Distance
- Updated Proposal Language

6/2/2016 Tier Example Diagram

## ECPE Matrix Description

Resources physically located one of the following areas:
(1) in Tier 1 with some exclusions based on electrical distance
(2) in Tier 2 AND close to the Tier 1 border


Refined Geographic Tier Diagram (Based on Planning Base Case Areas)
Some
electrically
far areas
'look' close


Tier 1 includes
>160,000 MW of generation


- Initial criteria established for Minimum Electrical Distance impedance
- Pseudo-Tie can be established for external resources within an impedance equal to or less than 0.065
- Opportunity exists to include additional external resources based on Average Electrical Distance impedance
- An average criteria better correlates with risks associated with model expansion
- PJM will continue to develop the Average Electrical Distance methodology


## Proposed Updated Definition

A Pseudo-Tie can be established for external resources with a minimum Electrical Distance impedance equal to or less than 0.065 and/or an average Electrical Distance impedance equal to or less than Y .

