

# Capacity Interconnection Rights

## Beyond Summer Peak Criteria?

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- Capacity Interconnection Rights:
  - The rights to input generation as a Generation Capacity Resource into the Transmission System at the Point of Interconnection where the generating facilities connect to the Transmission System
- Obtaining CIRs
  - Any increase in rights requires an application through the queue process under Attachment N to the Tariff (Form of Generation Interconnection Feasibility Study Agreement)
    - Begins queue studies (Feasibility-Impact-Facility)

- Summer Peak analysis
  - Single contingency analysis completed for Capacity Resource portion of facility to grant CIRs
- Light load and Winter deliverability testing
  - Dispatch of generation resource under various dispatch conditions based on fuel type
    - Does not take into account facility CIRs

- Testing CIRs beyond summer peak analysis
  - Additional case construction
    - Set appropriate ratings in case, establish appropriate MW values in case for generation resources, etc.
  - Additional analysis
    - Run studies, define constraint, open windows (baseline), extend queue timeline, test reinforcements, etc.

- Testing CIRs beyond summer testing
  - Requires additional tracking and validation

- PJM establishes level of CIRs to be granted for wind and solar without need for any supporting capability information
  - Wind: 13%
  - Solar: 38%
- PJM allows granting additional CIRs with supporting information
  - Solar
    - Tracking capabilities, overbuild ratio (DC panel MW divided by AC inverter MW), Longitude
  - Wind
    - Meteorological tower data with wind study

- Other questions?