Initial Determination of Accredited UCAP for Planned ELCC Resources for the 2023/24 Delivery Year

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PJM CCSTF

Accredited UCAP

Accredited UCAP =	*Effective Nameplate Capacity*	*X*
	ELCC Class Rating	*X*
	Performance Adjustment	

- ELCC Resources offering into the 2023/24 BRA will need an Accredited UCAP value.
- PJM will calculate AUCAP values for Existing Generation Capacity Resources.
- While very few Planned Resources submitted unit-specific data in the February 2021 data submission round, PJM will endeavor to calculate AUCAP values that accurately reflect their class for Planned Generation Capacity Resources that meet these conditions:
  - Meet the requirements to offer into the 2023/24 BRA.
  - Provide a Notice of Intent to offer into the 2023/24 BRA.
  - Are members of an existing class, or in a class that PJM anticipates existing in the 2023/24 Delivery Year (e.g., offshore wind, tracking solar+4hr battery hybrids).

Calculation of AUCAP

For each resource, calculation of AUCAP requires:

- ELCC Class Rating
- Class identification
- Calculation of Effective Nameplate Capacity
- Calculation of Performance Adjustment

An ELCC Resource may offer or provide Capacity up to the lesser of their AUCAP value and CIR level.

Class Determination for Planned Standalone Solar & Storage

- Planned partial fixed/tracking solar: takes the class of the majority of the facility.
- Planned Energy Storage Resources: unless Interconnection Customer requests another class by emailing the relevant Queue position and class to elcc@pjm.com, then:
  - If CIR/MFO ratio is below 0.6: takes 4 hour class
  - If CIR/MFO ratio is below 0.8: takes 6 hour class
  - If CIR/MFO ratio is below 1.0: takes 8 hour class
  - If CIR = MFO: takes 10 hour class
- Planed uprates to Energy Storage Resources: if uprate meets BRA requirements, then AUCAP is based on the uprate and not on the initial Queue position.

Class Determination for Planned Solar-Storage Hybrids

- Tracking Solar+4hrStorage hybrids are expected in the 23/24 resource mix forecast, and so will get an ELCC Class Rating.
- Mixed-technology Queue positions:
  - If a hybrid Queue position had parameters submitted by Feb. 15, 2021, the unit will be classified accordingly.
  - If the data in the Queue position supports a scenario in which two resources that operate independently with no significant interactions, then two AUCAP values will be calculated for two separate resources (a standalone solar and a standalone storage). Criteria for this:
    - Not closed-loop (i.e., can charge from grid)
    - MFO >= SolarMW + StorageMW
    - Not DC-coupled
  - Otherwise, the Queue position will be treated as an equivalent standalone resource equal to the largest component on the Queue position.
    - If the two components are of equal size, then it will be treated as a standalone solar

Other Hybrids

- Other hybrids are not expected in the 23/24 resource mix forecast and will not have an ELCC Class Rating.
- Non-solar mixed-technology Queue positions will be assumed to be separate resources provided the components can operate independently.

Contact

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