

Package D

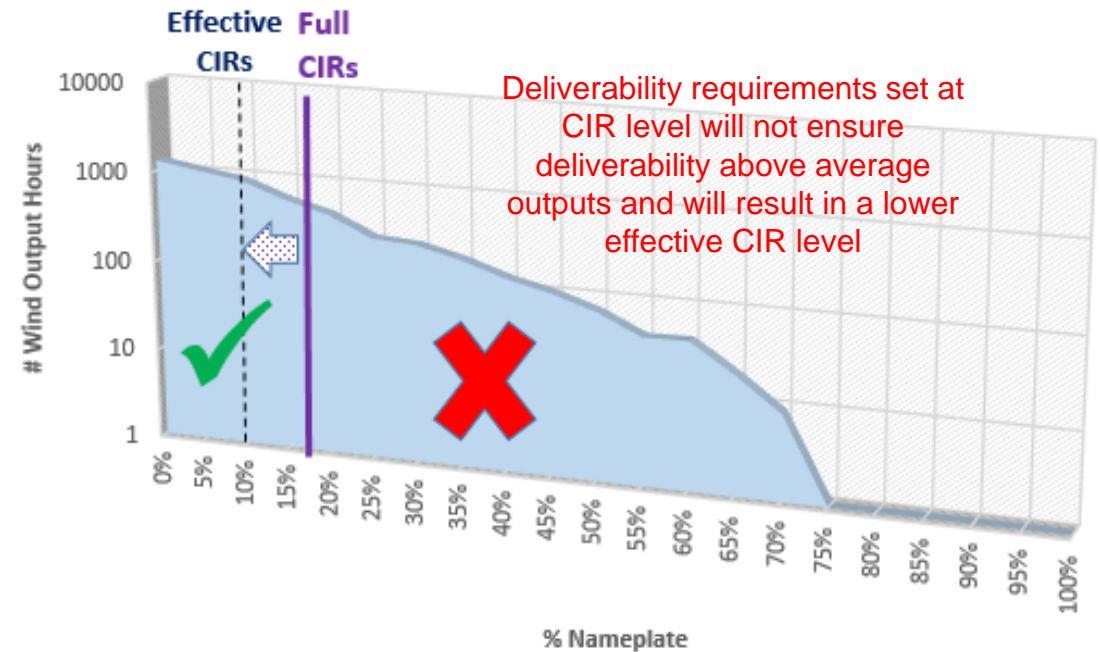
- On October 5, PJM presented a broad set of changes to the generator deliverability test to the Planning Committee*.
 - One aspect of the proposed changes is higher deliverability requirements for wind and solar over the summer period.
- PJM feels confident that some of the primary concerns being discussed as part of this Special PC Session can be addressed through the proposed modifications to the generator deliverability test being discussed at the PC.
 - No need for major changes to CIR request and retention policies since the driver for such changes can best be handled through appropriately chosen deliverability requirements

* <https://www.pjm.com/-/media/committees-groups/committees/pc/2021/20211005/20211005-item-09a-generator-deliverability-test-modifications-manual-14a-14b-update.ashx>

- CIRs represent a right to input generation as a Capacity Resource – as defined in the Reliability Assurance Agreement (RAA) – into the transmission system at the point of interconnection where the facility connects to the PJM transmission system. [OATT Part VI, §230]
- CIRs are required to participate in RPM as a generating resource.
- CIRs are coupled with deliverability requirements.
- Package D recognizes that although CIRs for wind and solar units are set equal to average summer outputs, CIRs actually represent a range of output levels.

- By planning the transmission system at the CIR level itself, the effective CIR level will be significantly less.
- PJM has concluded that increasing the deliverability requirements for wind and solar is a better approach to resolving concerns related to UCAP deliverability than requiring increased CIR levels.

Impact of Setting Deliverability Requirements Equal To CIRs On Wind Output Levels Over the Summer Peak Hours



- As a result of these proposed changes, Package A is less pertinent, and PJM offers Package D for discussion.
- Package D leverages the new higher deliverability requirements for wind and solar units that are part of the new generator deliverability procedures being proposed at the PC.
 - New generator deliverability procedures for summer, winter and light load will be applied to baseline studies starting with next year's RTEP.
 - New generator deliverability procedures for summer, winter and light load will be applied to interconnection studies. PJM will be discussing the timing of this in other ongoing stakeholder processes at the PC.

- Package D involves minimal changes to how CIRs are currently handled.
 - No change to CIR request and retention policies for wind and solar.
 - Uses a Capacity Resource's deliverability requirements as its maximum output in ELCC hourly studies.