### Effective Date

5/1/2019

### Impacted Manual #(#)/Manual Title(#):


### Conforming Order(#):

N/A

### Associated Issue Tracking Title:

N/A

### Committee Approval Path - What committee(#)(s) have already seen these changes?

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<th>Committee</th>
<th>Read/Endorsement Date</th>
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### Impacted Manual sections:

1) Re-word the Introduction to emphasize RAA Language  
2) Add a new Capacity Interconnection Rights section 1.1  
3) Section 1.2, Installed Capacity, delineate requirements on how ICAP (rated ICAP) is set  
4) Section 1.3, Testing, requirements of units to test within temperature limits  
5) Section 2, Net Capability, reconfigure, split into three subsections for Conventional, Capacity Storage and Intermittent Generators  
6) Section 1.4 (new) commence simultaneous unit testing for up to ten plants per summer per PJM directive and simultaneous testing for all M18 defined capacity storage and intermittent resources (except wind and solar)  
6) Appendix B, basing the capacity factor calculations for wind and solar resources on ELCC methodology rather than the average capacity factors starting DY22/23 with a three year transition period starting DY22/23 and ending DY24/25.

### Reason for change:

1) Bi-annual cover to cover review  
2) Capabilities of generators must conform to the RAA, Schedule 9  
3) To show rules for simultaneous testing for Capacity Storage and Intermittent Resources (per Manual 18)  
4) Simultaneous testing of conventional plants to ensure verification tests are valid and data can be verified  
5) Changing capacity factor calculations to use the ELCC methodology to more appropriately reflect their load serving capability

### Summary of the changes:

PJM performs a bi-annual review of M21 to ensure that all procedural language is in line with current practices and to incorporate changes therein.