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Generic Limited Duration Resources: The Role of the ELCC Policy and a Potential Approach to ELCC

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The Role of the ELCC Policy & Generic Limited Duration Resources

- The ELCC policy does not constitute qualification criteria, and does not change any existing qualification criteria for capacity resources.
- For ELCC purposes, the concept of generic limited duration resource covers any resource of any fuel type that cannot run at maximum output for 24+ hours.
- Consistent with all limited duration and Intermittent Resources, the ELCC policy would serve to provide a factor that would derate the unit's nameplate (in this case, the lesser of ICAP or Summer Rating) for establishing the capability of that unit to offer and delivery UCAP in the Capacity Market. That is—ELCC would produce an Accredited UCAP for such units.
- An example of a generic limited duration resource for ELCC purposes could include a fossil-fired generator with only 8 hours of fuel supply.
- Under the status quo, “the 10 hour rule” applies to any limited duration resource. The ELCC policy would replace the 10 hour rule.

A Potential Approach to Generic Limited Duration Resources

- For ELCC purposes, standalone generic limited duration resources could be treated similarly to Energy Storage Resources. In the current PJM package:
 - Generic limited duration resources would need to join a duration class (6 hour, 10 hour, etc).
 - Dispatch is similar to Energy Storage Resources, but lacks charging.
 - The performance adjustment is identical to ESR→1-EFORd.
 - Deployment in future scenarios will be based on an assessment of representative projects in the Queue.
 - Discussion of any CIR rules related to such resources is out of scope of the CCSTF. Under the status quo, such resources should not request CIRs in excess of their ICAP.
 - Definition of ICAP for such resources is in scope of the CCSTF. Under the status quo for such resources, ICAP is the lesser of summer rating or the 10-hour rule derating. The PJM package proposes changing this to the lesser of ICAP or the “X-hour rule”, where X is the duration of the class that the resource forms part of.
- For ELCC purposes, a resource that combines an unlimited resource component and a generic limited-duration component could be treated with separate analysis of the two components.

- As noted in the CCSTF charter, in Phase II there will be an opportunity to investigate the status quo rules regarding energy market participation of generic limited duration resources and discuss enhancements.

“Phase II - Discuss other rules or rule changes that may be necessary for participation of limited duration resources in the energy and ancillary services markets and either develop such rules in this Senior Task Force or such other group as the stakeholders may determine is appropriate at that time”

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