



Capacity Capability Senior Task Force Monthly Progress Report

MC Webinar
May 26, 2020

The [Capacity Capability](#) Senior Task Force (CCSTF) was founded to consider and develop the provisions necessary to establish an Effective Load Carrying Capability (ELCC) method for calculating the capability of limited duration resources and intermittent resources. These include energy storage resources, wind, solar, hydroelectric power with and without storage reservoirs, and other renewable resources.

The Key Work Activities and Scope defined in the approved Issue Charge are as follows:

1. Brief review of existing education on ELCC provided recently at the Planning Committee and the MIC Special Session on Capacity Market Capability of energy storage resources. As needed, additional education on ELCC.
2. Education on the status quo for retaining, increasing, and transferring capacity interconnection rights.
3. Education on the interaction of resource capability, the Installed Reserve Margin study, and other features of resource adequacy planning and the capacity market.
4. Consider the general provisions necessary to establish the ELCC method for determining the capability of all intermittent and limited duration resources.
5. Consider the provisions necessary to establish the ELCC method for determining the capability of wind, solar, and energy storage resources (including batteries and pumped hydro).
6. PJM to present an analysis of the impact of large-scale limited duration resource and Intermittent Resource deployment on the other aspects of resource adequacy apart from capability rules, assuming an ELCC framework. This analysis would include, among other things, the reliability requirement and forecast pool requirement, and any impacts due to shifts in the daily hours of peak risk relative to today.
7. Consider the provisions necessary to establish an ELCC method for determining the capability of all other intermittent resources and limited duration resources, including, among other things, hybrids and resources for which part of the capacity is limited duration and part is unlimited.
8. 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.

Issue Status

CCSTF is currently working on interest identification and developing design components for Phase I. At the May 20 meeting, the CCSTF will continue working on developing and defining design components and solution options for Phase I for generic ELCC provisions, as well as provisions specific to intermittent and limited duration resources. At the June 4 meeting, the CCSTF will continue working on solution options for the resources listed above, and begin developing solution options for hybrid resources as part of Phase I.

Target Completion



Phase I is scheduled to wrap up on August 7 in order to go to the parent committee for endorsement in September. This is to meet the FERC deadline of a filing on ELCC by October 30.

Phase II will begin sometime after Phase I is completed and does not have a specified end time.

Progress Update

The first meeting of the CCSTF was held on April 7, 2020. The approved Issue Charge was presented along with the proposed Work Plan. Initial education was provided, covering Key Work Activities (KWA) 1 & 2.

At the April 27, 2020 meeting, education was provided to complete KWA 3. The CCSTF also began interest identification and development of design components.

Action Requested

The CCSTF will be requesting endorsement of the updated Issue Charge from the parent committee at the upcoming Markets & Reliability Committee (MRC) on May 28, 2020. The Issue Charge has been modified to move KWA 7 into Phase I as a result of an April 10, 2020 order FERC granted as part of PJM's abeyance motion on the 10-hour rule paper hearing.