ELCC Technical Considerations

CCSTF Workshop

June 25, 2020

- The Class ELCC MW is determined by measuring the additional load that the Class resources can serve (while maintaining reliability) relative to the additional load that a perfect generating unit can serve (while maintaining reliability). This approach is described as the "Generation approach" in previous presentations.

- The ELCC model will include all available years of data on the uncertainty of Intermittent Resource output relative to load, beginning with 2012.

- The ELCC model does not include forced outages of limited duration and combination type resources.

- For resources expected to grow significantly: vendor forecast for resource mix going forward 10 years, including data that supports an assessment of the share per class that are likely to participate in the Capacity Market. For hybrid gen+storage resources: forecast deployment based on Queue metrics. For other resources: use current deployment levels.

- Scale up hourly profiles of existing and Planned intermittent class/units consistent with vendor resource mix forecast to develop forward ELCC cases.