Q: Temporal granularity of solar and wind data

A: PJM is expecting to perform the ELCC analysis with hourly data. Intra-hour data is available but the available resource adequacy software cannot perform analysis intra-hourly.

Q: Energy-only resources in ELCC analysis

A: PJM has not made a decision on this topic yet. On one side, energy-only wind and solar units have an impact on the net-load shape. On the other side, the quantity of these energy-only units is very small.

Q: Education on IRM Study

A: PJM is providing a presentation on the Reserve Requirement Study (RRS) and its interaction with ELCC at today's CCSTF meeting. For further information on the RRS please visit the following links

RRS Education Part 1: https://videos.pjm.com/media/0_o62fm8r1

RRS Education Part 2: https://videos.pjm.com/media/0_sfiototk

Q: Comparison between LOLE tools

A: Below is a comparison between PRISM and GE-MARS (SERV will be added for subsequent meetings)

PRISM	MARS
Topology	***Topology***
two-area	multi-area
Load Model	***Load Model***
52 normal distributions; one per week	hourly load shape for entire year (per-unitized hourly loads)
per-unitized monthly peaks	12 distributions (may or may not be normal); one per month
daily LOLE computation	per-unitized monthly peaks
	hourly LOLE computation
Capacity Model	***Capacity Model***
outage distribution developed via convolution	outage distribution developed via Monte Carlo simulation
units' forced outage rates	units' forced outage rates
units' planned outages requirement (in weeks)	units' planned outages requirement (in weeks)
units' ICAP	units' ICAP
	units' transition states
	allows for more granular input data (wind/solar hourly shapes, partial outages, etc)
Solution Method	***Solution Method***

daily LOLE computation	hourly LOLE computation
automated	trial-and-error