



RSC WIND AND SOLAR ELCC WHITE PAPER

*Helping our members work together to keep the lights
on... today and in the future.*



WHAT IS THE WHITEPAPER?

- The Solar and Wind Accreditation whitepaper proposes a methodology for prioritizing and allocating the available ELCC from solar and wind facilities that qualify as capacity in the SPP Balancing Authority (BA)



WHAT IS THE IMPACT?

- Current methodology evaluates resources on an individual rather than collective basis and does not take into consideration the effects of incremental resources added to the system
- As solar and wind generation increases, the ELCC accreditation percentage decreases
- Could impact the amount of renewables that can be used as capacity to meet Resource Adequacy requirements
- Starting with the 2023 summer season, ELCC will replace the current methodology found in the SPP Planning Criteria
- Members will no longer accredit wind and solar resources, staff will have the responsibility to study and accredit each solar and wind resource

ELCC APPROVAL TIMELINE

- Supply Adequacy Working Group
 - March Meeting
 - Approved the use of Effective Load Carrying Capability as the guiding principle for the accreditation of solar, wind and storage resources in the SPP Balancing Authority, replacing the current accreditation methodology found in section 7.1.5.3 (7) of the SPP Planning Criteria once new criteria language is approved
 - September Meeting
 - Approved wind and solar policy

ELCC APPROVAL TIMELINE

- Cost Allocation Working Group
 - August Meeting
 - Introduce the wind whitepaper and expectations
 - Tee off the solar discussion
 - September Meeting
 - Continue discussion on wind and solar discussion
 - November
 - Approved the white paper

ELCC APPROVAL TIMELINE

- Market and Operations Policy Committee
 - ELCC educational session in April 2019
 - ELCC update in July 2019
 - MOPC approved in October 2019
- Board of Directors
 - January 2020 Meeting
 - Seek approval of wind and solar ELCC whitepaper
- Regional State Committee
 - ELCC educational session in October 2019
 - January 2020 Meeting
 - Seek approval of wind and solar ELCC whitepaper