

AGO
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2022 Carbon Plan
AGO Data Request No. 3
Item No. 3-4
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DUKE ENERGY CAROLINAS, LLC and DUKE ENERGY PROGRESS, LLC

REQUEST:

How were the ELCC tranches (e.g., 0-500 MW, 500-1000 MW, etc.) selected?

RESPONSE:

This response assumes the request is referring to the 500 MW tranches of Solar that was paired with battery storage (SPS).

The SPS ELCC results were not directly developed through the ELCC study. As explained in Appendix E (Quantitative Analysis) and Attachment III (DEC & DEP ELCC Study), the ELCCs of standalone solar and standalone storage were assumed to be additive for SPS. 500 MW tranches of solar were used because the resulting level of storage that was paired with solar matched reasonably well with the incremental tranches of standalone storage in the ELCC study.

Responder: Matthew Kalembe, Director DET Planning and Forecasting