



Jack E. Jirak
Deputy General Counsel

Mailing Address:
NCRH 20 / P.O. Box 1551
Raleigh, NC 27602

o: 919.546.3257
f: 919.546.2694

jack.jirak@duke-energy.com

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January 31, 2024

VIA ELECTRONIC FILING

Ms. A. Shonta Dunston
Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4300

**RE: Duke Energy Carolinas, LLC's and Duke Energy Progress, LLC's
Supplemental Planning Analysis, Verified Amended Petition for
Approval of 2023-2024 Carbon Plan and Integrated Resource Plan, and
Supplemental Direct Testimonies and Exhibits
Docket No. E-100, Sub 190**

Dear Ms. Dunston:

Pursuant to N.C.G.S. §§ 62-110.1 and 62-110.9, and the North Carolina Utilities Commission's ("Commission") January 17, 2024 *Order Scheduling Public Hearings, Establishing Interventions and Testimony Due Dates and Discovery Guidelines, Requiring Public Notice, and Providing Direction Regarding Duke's Supplemental Modeling*, Duke Energy Carolinas, LLC ("DEC") and Duke Energy Progress, LLC ("DEP" and together with DEC, the "Companies" or "Duke Energy") hereby submit to the Commission their Supplemental Planning Analysis, Verified Amended Petition for Approval of their 2023-2024 Carbon Plan and Integrated Resource Plan ("Amended Petition"), and Supplemental Direct Testimonies and Exhibits in support of the Companies' 2023-2024 Carbon Plan and Integrated Resource Plan ("CPIRP").

Along with their Supplemental Planning Analysis and Amended Petition, the Companies are also filing supporting supplemental testimonies of the following witness and witness panel:

Topic	Duke Energy Witness(es)
Lead Witness Sponsoring Supplemental Planning Analysis	Kendal Bowman, North Carolina State President for DEC and DEP

IRP and Near-Term Actions	<p>Glen Snider, Managing Director of Carolinas Integrated Resource Planning and Analytics</p> <p>Michael Quinto, Director of IRP Advanced Analytics</p> <p>Thomas Beatty, Senior Engineer, Production Cost Modeling and Data Management</p> <p>Benjamin Passty, Principal Load Forecasting Analysis</p>
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The Companies' Supplemental Planning Analysis is being filed today to further inform the Commission's consideration of the Companies' 2023-2024 CPIRP as initially filed on August 17, 2023 (the "initial Plan") in light of the recent, material increase to the Companies' load forecast that has resulted from the Carolinas' recent unprecedented economic development successes occurring in 2023.

Building on the initial Plan, the Supplemental Planning Analysis considers the impact of the Companies' Updated 2023 Fall Load Forecast on the Companies' proposed Near-Term Action Plan ("NTAP") and confirms the need for the resources identified in the initial NTAP and identifies incremental resource additions needed to meet the increased load forecast. The Supplemental Planning Analysis demonstrates that the strong and vibrant economic environment in North Carolina, fostered by decades of strong energy policy, is driving the need for even further accelerated and decisive execution activities in the near-term to serve customers and achieve the State's energy policy goals.

In addition to filing the Supplemental Planning Analysis today with the Commission, the Companies are also making the Supplemental Planning Analysis available on Duke Energy's website at <https://www.duke-energy.com/CarolinasResourcePlan>. The Companies have also made available to the Public Staff-North Carolina Utilities Commission ("Public Staff") and other intervenors through the Datasite platform the final modeling input and output filed used to develop the Supplemental Planning Analysis along with a list of list variables which have been updated in EnCompass and database changes and updates in SERVIM. This information is available upon request to intervenors whose participation in this docket has been approved by order of the Commission and who have submitted an executed confidentiality agreement to the Companies. Intervenors who are interested in obtaining access to the complete and final EnCompass datasets may contact Associate General Counsel Jason Higginbotham (Jason.higginbotham@dukeenergy.com).

The Companies also reiterate their request that intervenors that intend to perform their own modeling with EnCompass compile all of their changes to inputs or model settings as supplied by the Companies into a single EnCompass dataset. Such dataset should be provided in Excel format in the same manner as originally provided by the Companies, along with a brief summary description indicating the rationale for any


changes. The Companies request that such dataset be made available to the Companies on the same day as any intervenor submits a filing in this docket (responsive testimony or otherwise) that relies on or references such modeling. For any intervenor that performs modeling with a model other than EnCompass, the Companies request that such intervenors flag and annotate all changes to inputs or model settings contained within the Excel files exported from EnCompass as supplied by the Companies. Changes should be flagged by highlighting the affected cells (or range of cells), with a “note” inserted for the cells (or range of cells) briefly indicating the rationale for the change(s). The Companies request that the modified/annotated Excel files be made available to the Companies on the same day as any such intervenor submits a filing in this docket (responsive testimony or otherwise) that relies or references such modeling.

Finally, the Companies also plan to provide all supporting workpapers to the Public Staff and other intervenors via ongoing discovery process on or around February 9, 2024.

In closing, the Companies appreciate the Commission’s review and consideration of this Supplemental Planning Analysis and believe that the Companies’ proposed near-term actions and resources proposed for selection by the Commission, represent all reasonable steps needed at this snapshot in time to plan to serve the energy and capacity needs of the Companies’ customers. We appreciate the Commission’s consideration of this important updated to the initial Carbon Plan, and we look forward to continuing to engage with the Public Staff, intervening parties and the Commission during the course of this proceeding.

If you have any questions, please do not hesitate to contact me. Thank you for your attention to this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "Jack Jirak", written in a cursive style.

Jack E. Jirak

Enclosures

cc: Lucy Edmondson, Public Staff—North Carolina Utilities Commission
Robert Josey, Public Staff—North Carolina Utilities Commission
Nadia Luhr, Public Staff—North Carolina Utilities Commission

CERTIFICATE OF SERVICE

I hereby certify that a copy of Duke Energy Carolinas, LLC and Duke Energy Progress, LLC's Supplemental Planning Analysis, Verified Amended Petition for Approval of 2023-2024 Carbon Plan and Integrated Resource Plan, and Supplemental Direct Testimonies and Exhibits submitted in Docket No. E-100, Sub 190, has been served by electronic mail, hand delivery or by depositing a copy in the United States mail, postage prepaid, to parties of record.

This the 31st day of January, 2024.

/s/ E. Brett Breitschwerdt
E. Brett Breitschwerdt
McGuireWoods LLP
501 Fayetteville Street, Suite 500
Raleigh, North Carolina 27601
Telephone: (919) 755-6563
bbreitschwerdt@mcguirewoods.com

Attorney for Duke Energy Carolinas,
LLC and Duke Energy Progress, LLC