

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. E-100, SUB 157

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of)	
2018 Integrated Resource Plan)	ORDER SCHEDULING
Reports and Related 2018 REPS)	TECHNICAL CONFERENCE AND
Compliance Plans)	REQUIRING RESPONSES TO
)	COMMISSION QUESTIONS

BY THE PRESIDING COMMISSIONER: Duke Energy Progress, LLC, Duke Energy Carolinas, LLC (collectively Duke), and Virginia Electric and Power Company, d/b/a Dominion Energy North Carolina each filed 2018 integrated resource planning (IRP) reports and 2018 REPS Compliance Plans.

Duke stated in its IRPs that it is examining ways of enhancing the traditional methods of utility resource planning in order to keep pace with changes occurring in the industry. As an example, Duke stated that it has not been able to identify the locational value of distributed generation sources, and is now developing models to do so. Duke indicated that it is addressing this and other issues through an Integrated Systems and Operations Planning (ISOP) effort. Further, Duke indicated that the future enhancements in planning are expected to be addressed over the next several years, as soon as the modeling tools, processes, and data development will allow.

The Commission has carefully considered the importance of the evolving nature of integrated resource planning. The Commission recognizes that some of the most promising emerging resource solutions, such as battery storage and leading-edge intelligent grid controls, are still in the early stages and will require enhanced capabilities, such as those promoted through ISOP. As a result, the Commission concludes that it would be helpful for the Commission to receive additional information from Duke about ISOP. In addition, the Commission would find it helpful for DEC to file responses to the Commission Questions attached as Appendix A to this Order.

Therefore, the Presiding Commissioner finds good cause to schedule a Technical Conference on Wednesday, August 28, 2019, at 10:00 a.m., for the purpose of obtaining additional information from Duke and the Public Staff. Further, the Presiding Commissioner requests that Duke file responses to the Commission Questions attached to this Order as Appendix A on or before Wednesday, August 21, 2019, and that Duke's personnel be prepared to answer follow-up questions and provide other related information at the Technical Conference.

Finally, the Commission invites all parties, stakeholders, and other interested persons to attend the Technical Conference. However, since the Technical Conference is being held for informational purposes only, the Commission is not requesting that the Public Staff or other parties provide witnesses or testimony at the conference.

IT IS, THEREFORE, ORDERED as follows:

1. That a Technical Conference shall be held on Wednesday, August 28, 2019, at 10:00 a.m., in Commission Hearing Room 2115, Dobbs Building, 430 North Salisbury Street, Raleigh, North Carolina.

2. That Duke personnel knowledgeable about Integrated Systems and Operations Planning shall attend the Technical Conference to explain and answer questions about Duke's efforts in this area.

3. That Duke shall file written responses to the Commission Questions attached hereto as Appendix A on or before Wednesday, August 21, 2019.

4. That the Public Staff is requested to participate in the Technical Conference.

ISSUED BY ORDER OF THE COMMISSION.

This the 23rd day of July, 2019.

NORTH CAROLINA UTILITIES COMMISSION

A handwritten signature in cursive script, appearing to read "Janice H. Fulmore".

Janice H. Fulmore, Deputy Clerk

COMMISSION QUESTIONS

1. Is Integrated Systems and Operations Planning (ISOP) intended to be an integral component of Integrated Resource Planning (IRP), or is it envisioned to be a separate exercise? If the latter, then how will the output of ISOP relate to or affect the biennial IRP process?
2. Will ISOP result in publication of a formal planning report and, if so, to whom will that report be distributed?
3. Is ISOP a precursor to or an initial element of integrated distribution and transmission planning?
4. What are the issues, in priority order, that Duke anticipates addressing through its ISOP effort?
5. What are the industry best practices in ISOP?
6. What skill sets and tools does Duke intend to employ in order to implement ISOP?
7. Will some of the capabilities required by ISOP be supplied in-house versus outside contract? If so, describe those that will be supplied in-house and those that will be supplied by outside contract.
8. What is Duke's ISOP implementation plan, including its proposed timeline?