

**STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH**

DOCKET NO. E-100, SUB 141

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of 2014 Biennial Integrated Resource Plan ) Updates and Related 2015 REPS ) Compliance Plans )	REPORT ON COMPLIANCE WITH COMMISSION RULE R8-61
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NOW COMES THE PUBLIC STAFF – North Carolina Utilities Commission (Public Staff), by and through its Executive Director, Christopher J. Ayers, and submits the following report. On September 1, 2015, Duke Energy Carolinas, LLC (DEC) and Duke Energy Progress, LLC (DEP) filed their 2015 Integrated Resource Plan (IRP) update reports pursuant to Commission Rule R8-60(h)(2). Pursuant to Commission Rule R8-60(l), the Public Staff submits this report as to whether DEC and DEP's update reports meet the requirements of Commission Rule R8-60(j). The Public Staff has reviewed DEC and DEP's update reports to ensure that they each contain the following items:

- An updated 15-year forecast of native load requirements (including any off-system obligations approved for native load treatment by the Commission) and other system capacity or firm energy obligations extending through at least one summer or winter peak (other system obligations); supply-side (including owned/leased generation capacity and firm purchased power arrangements) and demand-side

resources expected to satisfy those loads; and the reserve margin thus produced.

- A summary of any significant amendments or revisions to the most recently filed biennial report, including amendments or revisions to the type and size of resources identified, as applicable.
- A short-term action plan that discusses those specific actions currently being taken by the utility to implement the activities chosen as appropriate per the applicable biennial and update reports.
- The utility's REPS compliance plan pursuant to Rule R8-67(b).
- Data and tables for the planning horizon that provide the following:
  - Forecasts of load, supply-side resources, and demand-side resources.
  - The utility's forecast for at least a 15-year period, including peak loads for summer and winter seasons of each year, annual energy forecasts, reserve margins, and load duration curves, with and without projected supply or demand-side resource additions.
  - Where future supply-side resources are required, a description of each type of capacity/resource (MW rating, fuel source, base, intermediate, or peaking) that the utility proposes to use to address the forecasted need.
  - A list of existing units in service, with the following information for each unit for a 15-year period: type of fuel(s) used; type

of unit (e.g., base, intermediate, or peaking); location of the unit; units to be retired from service, with location, capacity, and expected date of retirement from the system;<sup>1</sup> units for which there are specific plans for life extension, refurbishment, or upgrading, and the expected (or actual) date removed from service, general location, capacity rating upon return to service, expected return to service date, and a general description of work to be performed; and other changes to existing generating units that are expected to increase or decrease generation capability of each unit in question by an amount that is plus or minus 10%, or 10 MW, whichever is greater.

- A list of planned generation additions, the rationale as to why each listed generation addition was selected, and a 15-year projection of the type of fuel(s) used; type of unit (e.g. MW rating, baseload, intermediate, peaking); location of each planned unit to the extent such location has been determined; and summaries of the analyses supporting any new generation additions included in the utility's 15-year forecast, including its designation as base, intermediate, or peaking capacity.

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<sup>1</sup> On October 27, 2015, DEC filed a revision to its 2015 IRP Update Report to change the expected retirement date for Allen Units 1-3 to December 31, 2024, pursuant to a settlement agreement reached with the U.S. Justice Department and approved on October 20, 2015.

- An updated list of all non-utility electric generating facilities in the utility's service areas, including customer-owned and stand-by generating facilities, including each facility's name, location, primary fuel type, and capacity (including its designation as base, intermediate, or peaking capacity). The utility shall also indicate which facilities are included in its total supply of resources.
- To the extent not covered by the previous requirements: the utility's load forecast adjusted for the impacts of any new energy efficiency programs; existing generating capacity with planned additions, uprates, derates, and retirements, planned purchase contracts, and undesignated future resources identified by type of generation and MW rating; renewable capacity, demand-side management capacity, and any resource gap; cumulative resource additions necessary to meet load obligation, and reserve margins; and projections of load, capacity, and reserves for both the summer and winter periods.<sup>2</sup>

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<sup>2</sup> DEC and DEP both utilized a 17% summer planning reserve margin in their 2015 IRP update reports based on the preliminary findings of updated reserve margin studies currently being conducted by Astrape Consulting. The final results from the studies will be utilized in the 2016 IRPs filed with the Commission.

Based on its review, the Public Staff has determined that DEC and DEP's update reports meet the requirement of the rule.

Respectfully submitted, this the 2<sup>nd</sup> day of November, 2015.

PUBLIC STAFF  
Christopher J. Ayers  
Executive Director

Antoinette R. Wike  
Chief Counsel

Electronically submitted  
s/ Tim R. Dodge  
Staff Attorney

430 North Salisbury Street  
4326 Mail Service Center  
Raleigh, North Carolina 27699-4300  
Telephone: (919) 733-0976  
Email: [tim.dodge@psncuc.nc.gov](mailto:tim.dodge@psncuc.nc.gov)

#### CERTIFICATE OF SERVICE

I do hereby certify that I have this day served a copy of the foregoing Report on each of the parties of record in this proceeding or their attorneys of record either by electronic delivery or by deposit in the U.S. Mail, postage prepaid.

This the 2<sup>nd</sup> day of November, 2015.

Electronically submitted  
s/ Tim R. Dodge