



Kendal C. Bowman  
Deputy General Counsel

Duke Energy Corporation  
P. O. Box 1551  
PEB 20  
Raleigh, NC 27602

Tel 919.546-6794  
Fax 919.546-2694

February 1, 2013

**FILED**

**FEB 01 2013**

Clerk's Office  
N.C. Utilities Commission

Ms. Gail Mount  
Chief Clerk  
N. C. Utilities Commission  
4325 Mail Service Center  
Raleigh, NC 27699-4325

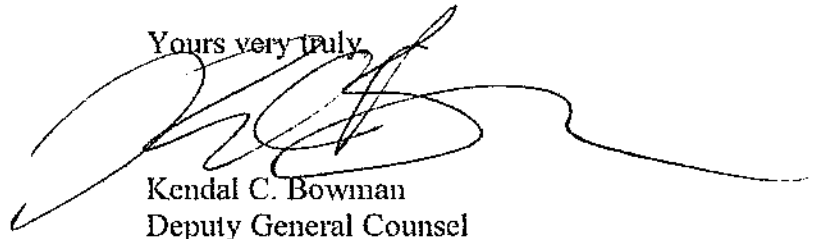
RE: Duke Energy Carolinas, LLC's Report of Nuclear Development Activities and Expenditures for the period September 30, 2012 through December 31, 2012  
Docket No. E-7, Sub 819

Dear Ms. Mount:

Pursuant to ordering paragraph 4 of the North Carolina Utilities Commission August 5, 2011 Order Approving Decision to Incur Limited Project Development Costs, Duke Energy Carolinas, LLC encloses for filing an original and thirty (30) copies of its Report of Preconstruction Costs for Lee Nuclear Station Project Development Activities September 30, 2012 through December 31, 2012.

Should you have any questions, please do not hesitate to contact me directly.

Yours very truly,



Kendal C. Bowman  
Deputy General Counsel

KCB  
Enclosure

cc: All Parties of Record

STARFG3384

**NCUC Report Preconstruction Costs for Lee Nuclear Station Project  
Development Activities January 1, 2011- December 31, 2012**

Task Description	Total	This Period	Total	Total
	01/01/2011-06/30/2012	07/01/2012 - 12/31/2012	01/01/2011-12/31/2012	Project Totals to Date
<i>COLA Preparation</i>	\$0	\$0	\$0	\$27,426,317
<i>NRC Review &amp; Hearing Fees</i>	\$22,731,722	\$8,459,746	\$31,191,468	\$84,885,611
<i>Land and Right-of-way Purchases</i>	\$891,952	\$271,534	\$1,163,486	\$44,229,358
<i>Pre-construction and Site Preparation</i>	\$13,174,760	\$4,638,874	\$17,813,635	\$39,318,063
<i>Supply Chain, Construction Planning, and Detailed Engineering</i>	\$11,859,100	\$5,861,878	\$17,720,978	\$39,950,825
<i>Operational Planning</i>	\$1,485,460	\$658,614	\$2,144,075	\$3,695,681
<i>AFUDC</i>	\$29,201,660	\$11,889,006	\$41,090,666	\$80,059,707
<b>Total</b>	<b>\$79,344,654</b>	<b>\$31,779,653</b>	<b>\$111,124,307</b>	<b>\$319,565,563</b>

The activities included in each category are as follows:

**COLA Preparation** – includes Duke labor, expenses and contract support for preparation of the Combined Construction and Operating License (COL) Application tendered to the Nuclear Regulatory Commission (NRC) on 12/13/07. The NRC determined the application was suitable for review and docketed the application on 02/25/08.

**NRC Review and Hearing Fees** – includes the cost of the NRC review fees, Duke labor and expenses, contract labor and legal support required to support the NRC review of the Lee Nuclear Station COL application, and preparation for the Advisory Committee on Reactor Safeguards Subcommittee Hearing. Category also includes interactions with

South Carolina Department of Health and Environmental Control (SCDHEC) and the US Army Corps of (USACE), as required to move the environmental permit applications forward.

**Land and Right-of-Way Purchases** – includes the purchase of land required for the Lee site and rail right-of-ways. Category also includes costs of purchasing additional land for a supplemental cooling pond in event of severe drought as well as costs for surveying the selected transmission right-of-way.

**Pre-construction and Site Preparation** – includes site activities to prepare the site for construction. Site preparation activities included: dewatering and cleanup of the excavated area, site remediation activities required to identify and properly dispose of hazardous wastes, and costs associated with the demolition and removal of unusable structures. Necessary rail bed and Make-up Pond B spillway maintenance has been completed. Engineering of offsite infrastructure for potable water, sewer, and rail spur has been completed. Continuing activities include: site security, utilities and miscellaneous site maintenance. Engineering for bringing communications to the site is also included. Other activities such as: geotechnical evaluations (needed for engineering); and planning and engineering of necessary traffic improvements are also being completed.

**Supply Chain, Construction Planning and Engineering** – includes activities associated with working with the supplier to negotiate an Engineering, Procurement and Construction (EPC) agreement. Negotiations in 2008 did not result in an executed contract. Conceptual site specific engineering and construction planning activities necessary to develop a complete project definition are included in this category. Continuing construction planning activities serve to further develop construction plans and keep the construction plans in line with latest engineering. Detailed site specific engineering began in January, 2011, and continued in 2012. Commercial building design activities started in June 2012.

**Operational Planning** – includes activities associated with operator and plant staff training, including costs associated with the Knowledge and Abilities Catalog, required for operator license examinations for AP1000 plants, and the standardization of the nomenclature in the Westinghouse Master Equipment List (MEL). Continuing activities include: supporting operations program development, such as Quality Assurance (QA) Program, and the review of approximately 500 procedures. The training materials, operational programs, and operating procedures are all being developed in concert with other AP1000 utilities within the APOG framework. The *Operational Planning* category also includes generation of administrative procedures that must be in place upon receipt of COL from NRC.

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

DOCKET NO. E-7, SUB 819

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of )  
Application of Duke Energy Carolinas, )  
LLC, for Approval of Decision to Incur )  
Nuclear Generation Project Development )  
Costs )

**CERTIFICATE OF SERVICE**

I, Kendal C. Bowman, hereby certify that a copy of the Duke Energy Carolinas, LLC's Report of Nuclear Development Activities and Expenditures Report have been served on all parties of record by email, this 1<sup>st</sup> day of February, 2013:

Antoinette R. Wike, Esq.  
4326 Mail Service Center  
Raleigh, NC 27699-4326  
[Antoinette.wike@psncuc.nc.gov](mailto:Antoinette.wike@psncuc.nc.gov)

Margaret A. Force  
Department of Justice  
Post Office Box 629  
Raleigh, NC 27602-0629  
[pforce@ncdoj.gov](mailto:pforce@ncdoj.gov)

Robert F. Page  
Crisp, Page & Currin, LLP  
4010 Barrett Drive, Suite 205  
Raleigh, NC 27609  
[rpage@cpclaw.com](mailto:rpage@cpclaw.com)

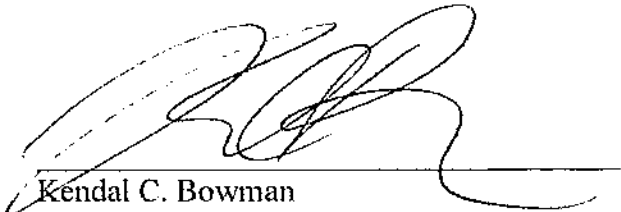
John D. Runkle  
Post Office Box 3793  
Chapel Hill, NC 27515-3793  
[jrunkle@pricccreek.com](mailto:jrunkle@pricccreek.com)

Wells Eddleman  
811 Yancy Street  
Durham, NC 27701-3151

Sharon Miller  
CUCA  
1708 Trawick Road, Suite 210  
Raleigh, NC 27604  
[smiller@cucainc.org](mailto:smiller@cucainc.org)

Kevin C. Greene  
Brandon F. Marzo  
Troutman Sanders, LLP  
Bank of America Plaza, Suite 5200  
600 Peachtree Street  
Atlanta, GA 30308-2216  
[Kevin.greene@troutmansanders.com](mailto:Kevin.greene@troutmansanders.com)  
[Brandon.marzo@troutmansanders.com](mailto:Brandon.marzo@troutmansanders.com)

Ralph McDonald  
Bailey & Dixon  
Post Office Box 1351  
Raleigh, NC 27602-1351  
[rmedonald@bdixon.com](mailto:rmedonald@bdixon.com)

  
Kendal C. Bowman  
Deputy General Counsel