

**BEFORE
THE PUBLIC SERVICE COMMISSION OF
SOUTH CAROLINA
DOCKET NO. 2011-20-E**

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

**Duke Energy Carolinas, LLC's Report
of Lee Nuclear Station Activities and Expenditures
Pursuant to Section II, Paragraph 4 of the Settlement Agreement
April 1, 2012 through June 30, 2012**

Duke Energy Carolinas, LLC (“Duke” or the Company”) submits this Report of Lee Nuclear Station Activities and Expenditures for the period of April 1, 2012 through June 30, 2012, pursuant to Section II, Paragraph 4, of the Settlement Agreement approved by the Commission in Order No. 2011-454.

Task Description	Total 01/01/2011- 3/31/2012	This Period 04/01/2012- 06/30/2012	Total 01/01/2011- 06/30/2012	Total Project Totals to Date
<i>COLA Preparation</i>	\$0	\$0	\$0	\$27,426,317
<i>COLA Review</i>	\$19,128,086	\$3,603,637	\$22,731,723	\$76,425,866
<i>Land and Right-of-way Purchases</i>	\$659,946	\$232,006	\$891,952	\$43,957,824
<i>Pre-construction and Site Preparation</i>	\$10,819,453	\$2,355,308	\$13,174,761	\$34,679,189
<i>Supply Chain, Construction Planning, and Detailed Engineering</i>	\$9,022,058	\$2,837,042	\$11,859,100	\$34,088,947
<i>Operational Planning</i>	\$1,121,773	\$363,687	\$1,485,460	\$3,037,066
<i>AFUDC</i>	\$23,753,582	\$5,448,077	\$29,201,659	\$68,170,701
Total	\$64,504,898	\$14,839,757	\$79,344,655	\$287,785,911

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 Engineers (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. Continuing activities include: site security, utilities and miscellaneous site maintenance. Also included are engineering for bringing water, sewer, railroads, and communications to the site. 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 continues 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. 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. Current operational planning activities include the standardization of the nomenclature in the Westinghouse Master Equipment List (MEL). The *Operational Planning* category also includes generation of administrative procedures that must be in place upon receipt of COL from NRC.

Dated this 31st day of July, 2012.

Respectfully submitted,

DUKE ENERGY CAROLINAS, LLC



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