

**BEFORE**  
**THE PUBLIC SERVICE COMMISSION OF**  
**SOUTH CAROLINA**

**DOCKET NO. 2008-196-E**

IN RE: Combined Application of South Carolina ) Electric and Gas Company for a Certificate) ) of Environmental Compatibility and Public) ) Convenience and Necessity and for a Base) ) Load Review Order for the Construction ) ) and Operation of a Nuclear Facility in ) ) Jenkinsville, South Carolina ) ) _____ )	<b>SOUTH CAROLINA OFFICE OF REGULATORY STAFF'S THIRD CONTINUING "CHG" AUDIT INFORMATION REQUEST</b>
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**TO: BELTON T. ZEIGLER, K. CHAD BURGESS, AND MITCHELL  
WILLOUGHBY, ATTORNEYS FOR SOUTH CAROLINA ELECTRIC & GAS  
COMPANY:**

The South Carolina Office of Regulatory Staff ("ORS") hereby requests, pursuant to S.C. Code Ann. § 58-27-1570 (Supp. 2007) and as directed by the South Carolina Office of Regulatory Staff under S.C. Code Ann. § 58-27-40 (Supp. 2007), that South Carolina Electric & Gas Company (hereafter referred to as "SCE&G" or "the Company") provide responses in writing and under oath and serve the undersigned within ten (10) days after service of this request to ORS and CHG as set forth below in item VIII. If you are unable to respond to any of the audit requests, or part or parts thereof, please specify the reason for your inability to respond and state what other knowledge or information you have concerning the unanswered portion.

As used in these audit requests, "identify" means, when asked to identify a person, to provide the full name, business title, address and telephone number. As used in these audit requests, "address" means mailing address and business address. When asked to identify or

provide a document, “identify” and “provide” mean to provide a full and detailed description of the document and the name and address of the person who has custody of the document. In lieu of providing a full and detailed description of a document, you may attach to your responses a copy of the document and identify the person responsible for it. When the word “document” is used herein, it means any written, printed, typed, graphic, photographic, or electronic matter of any kind or nature and includes, but is not limited to, statements, contracts, agreements, reports, opinions, graphs, books, records, letters, correspondence, notes, notebooks, minutes, diaries, memoranda, transcripts, photographs, pictures, photomicrographs, prints, negatives, motion pictures, sketches, drawings, publications, and tape recordings.

**IT IS THEREFORE REQUESTED:**

- I. That all information requested below, unless otherwise specified, shall be limited to Company’s South Carolina Electric Retail Operations in this docket or other period identified in the question.
- II. That all information shall be provided to ORS in the format requested.
- III. That all responses to the audit requests below be labeled using the same numbers as used herein.
- IV. That the requested information be punched for 3-ring binders with numbered tabs between each question.
- V. That if information requested is found in other places or other exhibits, reference shall not be made to those; instead, that the information be reproduced and placed in the audit request in the appropriate numerical sequence.
- VI. That any inquiries or communications relating to questions concerning clarification of the information requested below should be directed to John W. Flitter or Jay R. Jashinsky, of ORS.
- VII. That this entire list of questions be reproduced and included in front of each set of responses.
- VIII. That each question be reproduced and placed in front of each response provided. That unless otherwise specified, the Company provide six (6) paper copies of responses to ORS at 1441 Main Street, Suite 300, Columbia, SC 29201 and four

(4) paper copies of responses to CHG with attention to Mark Crisp, Senior Consultant at C.H. Guernsey & Company at 1100 Circle 75 Parkway, Suite 950, Atlanta, GA 30339. In addition and if technically feasible, it is requested that the Company provide one (1) electronic version of the responses.

- IX. That all exhibits be reduced or expanded to 8 ½” x 11” format, where practical.
- X. If the response to any request is that the information requested is not currently available, please state when the information requested will be available and provided to the ORS.
- XI. That in addition to the signature and verification at the close of the Company's responses, the Company witness(es) or employee(s) or agent(s) responsible for the information contained in each response be indicated.
- XII. This audit request shall be deemed to be continuing so as to require the Company to supplement or amend its responses as any additional information becomes available.
- XIII. For information requested herein where the information is kept, maintained, or stored using spreadsheets, please provide electronic versions of the spreadsheets, including the formulas used and embedded in the spreadsheet.
- XIV. Each answer should incorporate the requested information for South Carolina Generating Company, Inc. (“GENCO”), where applicable.

**REQUESTS:**

- CHG-3-1 When will Parr Experimental Nuclear Plant be fully decommissioned?
- CHG-3-2 What work is left on the Parr Experimental Nuclear Plant? Are there any radioactive contamination problems (soil, etc) to be resolved? (Exhibit A, page 1)
- CHG-3-3 Please explain the details and extent of what “revegetated” mean?
- CHG-3-4 Will any trees be planted to compensate for the trees that are removed in preparing the Units 2 and 3 sites? (Exhibit A, page 3, top paragraph)  
(a)
- CHG-3-5 Is the Toshiba Turbine Generator a proven design? (Exhibit D, page 3)  
(a)
- CHG-3-6 If the Toshiba Turbine Generator is in service, where? (Exhibit D, page 3)

- CHG-3-7 Blowdown water is described as being “slightly elevated above normal river water temperature” and containing “enhanced levels of natural salts” and very low permitted levels of radioactivity.” How much is “slightly elevated?” (Exhibit P, page 2)
- CHG-3-8 What natural salts and what concentrations is the blowdown water? (Exhibit P, page 2)
- CHG-3-9 What kind and levels of radioactivity do you expect in the blowdown water? (Exhibit P, page 2)
- CHG-3-10 Please provide the studies and “adequate precautions” to keep ecological impacts within acceptable limits for terrestrial and aquatic resources. (Exhibit P, page 3)
- CHG-3-11 What “other surface water bodies have been carefully studied?” (Exhibit P, page 4, paragraph 3)
- CHG-3-12 Exhibit P asserts there is little potential risk from cultural discoveries associated with the site preparation, though sites are listed on the National Register. Is there a plan of action in the event excavation does unearth some cultural / archaeological artifacts? (Exhibit P, page 5)
- CHG-3-13 Please provide an electronic copy of the Environmental Report offered on Page 1, Exhibit P.
- CHG-3-14 How many staff, above current levels, are projected to be employed when Unit 2 is completed?
- CHG-3-15 How many more when Unit 3 is completed?
- CHG-3-16 Where will Low Level Radioactive Waste (“LLRW”) be disposed of?
- CHG-3-17 Why did the last Unit 1 Refueling Outage last longer than planned?
- CHG-3-18 How long did the Unit 1 Refueling Outage last?
- CHG-3-19 Please provide a copy of the Site Orientation presentation made to the NRC on June 12, 2008.
- CHG-3-20 For each of SCE&G’s existing generating units, please provide the following information:
- a) Unit name
  - b) Unit location
  - c) Maximum available capacity (MW)

- d) Emergency capacity (MW)
  - e) All operational limitations
  - f) Actual monthly net generation for each month, from January 2000 through December 2007
  - g) Fuel type(s)
  - h) Actual average fuel cost for each month, from January 2000 through December 2007
  - i) Annual realized average net heat rate for the years 2000 through 2007
- CHG-3-21 Please provide the equivalent forced outage rate for each of SCE&G's existing generating units.
- CHG-3-22 Please provide the derivation of each equivalent forced outage rate.
- CHG-3-23 Please provide, in electronic format via CD or email, each PROSYM input data set used to support SCE&G's filing in this case.
- CHG-3-24 For each purchase of energy and/or capacity that appears in SCE&G's PROSYM runs supporting SCE&G's filing, please provide the following information:
- a) The name for the purchase in SCE&G's PROSYM runs
  - b) The maximum available capacity
  - c) The cost for energy purchased (in \$/MWh)
  - d) The cost for capacity purchased (in \$/KW-Month)
  - e) Any other costs for the purchase
  - f) A copy of the power purchase contract, if the purchase is based on an existing power purchase
  - g) The derivation of the purchase power costs, if the purchase is not based on an existing power purchase
- CHG-3-25 For each purchase of energy and/or capacity that appears in SCE&G's PROSYM runs that is not based upon an existing contract, please provide all documents, analyses, memos, reports and studies that support the availability of the purchase.
- CHG-3-26 For each purchase of energy and/or capacity that appears in SCE&G's PROSYM runs that is not based upon an existing contract, please provide all documents, analyses, memos, reports and studies that support the power purchase costs utilized in SCE&G's PROSYM runs.
- CHG-3-27 Please provide the following information concerning the "Market" purchases and sales appearing in SCE&G's PROSYM runs:
- a) A description of the entities that comprise the "Market"
  - b) A description of the development of the "Market" prices

- c) The maximum available SCE&G purchase amount from the “Market”
- d) The maximum possible SCE&G sale amount into the “Market”
- e) The complete derivation of “Market” prices utilized in SCE&G’s PROSYM runs

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July 21, 2008