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INFORMATION SHEET

FILED
JUN 11 2013
Clerk's Office
N.C. Utilities Commission

PRESIDING: Finley, Culpepper, Beatty, Brown-Bland, Allen
PLACE: Dobbs Building, Raleigh, North Carolina
DATE: 6/4/13
TIME: 9:30 a.m. to 10:09 a.m.
DOCKET NO.: E-7, Sub 1033
COMPANY: Duke Energy Carolinas, LLC
DESCRIPTION: Duke Energy Carolinas, LLC, Application of Duke Energy Carolinas, LLC Pursuant to G.S. 62-133.2 and NCUC Rule R8-55 Relating to Fuel and Fuel-Related Charge Adjustments for Electric Utilities.

APPEARANCES

FOR DUKE ENERGY CAROLINAS:
Robert W. Kaylor
Brian Franklin

FOR NC WARN:
John E. Runkle

FOR NC SUSTAINABLE ENERGY ASSOCIATION:
Michael Youth

FOR CIGFUR III:
Adam Olls

FOR THE USING AND CONSUMING PUBLIC:
Dianna Downey

WITNESSES

PANEL - Robert J. Duncan, Kim H. Smith, Sasha Weintraub
PANEL - Randy T. Edwards, James G. Hoard, Kennie D. Ellis

EXHIBITS

Joint Agreement and Stipulation of Settlement

Stipulation Exhibit 1

Stipulation Exhibit 2

Stipulation Exhibit 3

Weintraub Exhibit 1

Weintraub Exhibit 2

Smith Exhibit 1

Smith Exhibit 2

(Clerk)

Smith Exhibit 3

Smith Exhibit 4

Smith Exhibit 5

Smith Exhibit 6

Smith Revised Exhibit 1

Smith Revised Exhibit 2

Smith Revised Exhibit 3

Smith Revised Exhibit 4

Smith Revised Exhibit 5

Smith Revised Exhibit 6

Confidential Duncan Exhibit 1

Culp Exhibit 1

Culp Exhibit 2

COPIES ORDERED: Franklin, Downey
Email:-Runkle, Youth, Franklin

REPORTED BY: Linda Garrett
TRANSCRIBED BY: Linda Garrett
DATE TRANSCRIBED: June 9, 2013

TRANSCRIPT PAGES: 31
PREFILED PAGES: 263-

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 6/4/13 DOCKET NO.: E-7 Sub 1033/1031/1034
NAME AND TITLE OF ATTORNEY John D. Runkle
FIRM NAME
ADDRESS 2121 Damascus Church Rd.
CITY Chapel Hill NC ZIP 27516

APPEARING FOR: NC WARN

APPLICANT _____ COMPLAINANT _____ INTERVENER ✓
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

_____ Number of Copies for regular transcript
_____ Number of copies for mini transcript (condensed)
If you would like the transcript emailed to you, please list your name, phone number and email address: John D. Runkle 919-942-0600 jrunkle@pricecreek.com

(SIGNATURE OF PARTY OR ATTORNEY ORDERING TRANSCRIPT)

***PLEASE INDICATE BELOW WHO HAS SIGNED A CONFIDENTIALITY AGREEMENT. IF YOU DO NOT SIGN, YOU WILL NOT RECEIVE THE CONFIDENTIAL PORTIONS!!!!

Signature of Attorney

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 6/4/2013 DOCKET NO.: E-7, 1033, 1031, 1034
NAME AND TITLE OF ATTORNEY MICHAEL YOUTH, COUNSEL
FIRM NAME NC Sustainable Energy Assoc. (NCSEA)
ADDRESS 1111 Haynes St. Suite 109
CITY Raleigh ZIP 27604

APPEARING FOR: NCSEA

APPLICANT _____ COMPLAINANT _____ INTERVENER X
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

_____ Number of Copies for regular transcript
_____ Number of copies for mini transcript (condensed)
If you would like the transcript emailed to you, please list your name, phone number and email address: Michael Youth 919-832-7601 ext. 118
michael@energync.org
(SIGNATURE OF PARTY OR ATTORNEY ORDERING TRANSCRIPT)

***PLEASE INDICATE BELOW WHO HAS SIGNED A CONFIDENTIALITY AGREEMENT. IF YOU DO NOT SIGN, YOU WILL NOT RECEIVE THE CONFIDENTIAL PORTIONS!!!!
Michael Youth

Signature of Attorney

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE June 4, 2013 DOCKET NO.: E-7, Sub 1033
NAME AND TITLE OF ATTORNEY Robert W. Kaylor
FIRM NAME Law Office of Robert W. Kaylor, P.A.
ADDRESS 353 Six Forks Rd. Suite 260
CITY Raleigh NC ZIP 27609

APPEARING FOR: Duke Energy Carolinas, LLC

APPLICANT ✓ COMPLAINANT _____ INTERVENER _____
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

_____ Number of Copies for regular transcript
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Signature of Attorney

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 6/4/13 DOCKET NO.: E-7, Sub 1033
NAME AND TITLE OF ATTORNEY Brian Franklin, Associate General Counsel
FIRM NAME Duke Energy Carolinas, LLC
ADDRESS 550 S. Tryon St., ~~Charlotte NC 28201~~
CITY Charlotte NC ZIP 28201

APPEARING FOR: Duke Energy Carolinas

APPLICANT ✓ COMPLAINANT _____ INTERVENER _____
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____

1 Number of Copies for regular transcript
_____ Number of copies for mini transcript (condensed)
If you would like the transcript emailed to you, please list your name, phone number and email address: Brian.Franklin@duke-energy.com

(SIGNATURE OF PARTY OR ATTORNEY ORDERING TRANSCRIPT)

***PLEASE INDICATE BELOW WHO HAS SIGNED A CONFIDENTIALITY AGREEMENT. IF YOU DO NOT SIGN, YOU WILL NOT RECEIVE THE CONFIDENTIAL PORTIONS!!!!

Signature of Attorney

NORTH CAROLINA UTILITIES COMMISSION

APPEARANCE SLIP

DATE: **June 4, 2013** DOCKET NO. **E-7, Sub 1033**

NAME AND TITLE OF ATTORNEY Adam Olls

FIRM NAME Bailey & Dixon, L.L.P.

ADDRESS Post Office Box 1351

CITY Raleigh, NC ZIP 27602-1351

APPEARING FOR: **Carolina Industrial Group for Fair Utility Rates III (CIGFUR III)**

APPLICANT ___ COMPLAINANT ____ INTERVENER _X_
PROTESTANT ___ RESPONDENT ___

ORDER FOR TRANSCRIPT OF TESTIMONY:

I HEREBY ORDER ___ **COPIES** OF THE TRANSCRIPT AT $1.00 PER PAGE.
(MINIMUM $5.00 – G.S. 62-300(9)).

*I HEREBY ORDER ____ ASCII DISK(S) OF THE TRANSCRIPT AT $5.00 WITH PURCHASE OF TRANSCRIPT **OR** PRICE OF TRANSCRIPT AT $1.00 PER PAGE.

_____
(SIGNATURE OF PARTY OR ATTORNEY ORDERING TRANSCRIPT/DISK)

*DISKS AVAILABLE UPON **REQUEST.**

126360

NORTH CAROLINA UTILITIES COMMISSION
APPEARANCE SLIP

DATE 6/04/13 DOCKET NO.: E-7, Sub 1033
NAME AND TITLE OF ATTORNEY Dianna Downey, Staff Attorney
E-MAIL ADDRESS OF ATTORNEY dianna.downey@psncuc.nc.gov
FIRM NAME Public Staff - North Carolina Utilities Commission
ADDRESS 4326 Mail Service Center
CITY Raleigh, NC ZIP 27699-4326

APPEARING FOR: using and consuming public

APPLICANT _____ COMPLAINANT _____ INTERVENER _____
PROTESTANT _____ RESPONDENT _____ DEFENDANT _____
ORDER FOR TRANSCRIPT OF TESTIMONY FOR THE PUBLIC STAFF:

PAPER COPY - ONE PER DIVISION

ACCOUNTING 1 WATER _____ COMMUNICATIONS _____
ELECTRIC 1 GAS _____ TRANSPORTATION _____
ECONOMICS _____ LEGAL 1 CONSUMER SERVICES ___

TOTAL NUMBER ORDERED _____
_____ Number of Copies for regular transcript
_____ Number of copies for mini transcript(condensed)
_____ Number of ASCII Disks of transcript at $5.00 per Disk
If you would like the transcript emailed to you free of charge, please provide your email address: _____

Dianna Downey
(SIGNATURE OF PARTY OR ATTORNEY ORDERING TRANSCRIPT/DISK.)

PLEASE INDICATE BELOW WHO HAS SIGNED A CONFIDENTIALITY AGREEMENT: _____

Signature of Attorney

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I-/A

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

FILED
JUN 03 2013
Clerk's Office
N.C. Utilities Commission

DOCKET NO. E-7, SUB 1033

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of		
Application of Duke Energy Carolinas, LLC, Pursuant to G.S. 62-133.2 and Commission Rule R8-55 Relating to Fuel and Fuel-Related Costs Adjustment for Electric Utilities	))))	JOINT AGREEMENT AND STIPULATION OF SETTLEMENT

Duke Energy Carolinas, LLC ("DEC" or the "Company"), and the Public Staff - North Carolina Utilities Commission (the "Public Staff"), referred to herein as the Stipulating Parties, through counsel and pursuant to G.S. 62-69, respectfully submit the following Joint Agreement and Stipulation of Settlement ("Stipulation") for consideration by the North Carolina Utilities Commission ("Commission") in this docket.

The Stipulating Parties agree as follows:

1. BACKGROUND

a. On March 6, 2013, the Company filed an Application with the Commission in this proceeding to adjust its rates and charges pursuant to G.S. 62-133.2 and Commission Rule R8-55, along with the direct testimony of Kim H. Smith, Joseph A. Miller, Jr., Robert J. Duncan, II, David C. Culp, and Alexander J. ("Sasha") Weintraub. By virtue of the Application, DEC requested that its North Carolina retail revenue requirement associated with fuel and fuel-related (collectively "fuel") costs of approximately $1,239,694,685 (excluding gross receipts tax and regulatory fee), to be recovered through various fuel cost

factor riders. The fuel cost factors requested by DEC included Experience Modification Factor ("EMF") riders based on certain fuel over-recoveries, by customer class, experienced during calendar year 2012.

b. Petitions to intervene were filed by Carolina Industrial Group for Fair Utility Rates III on March 25, 2013, and granted by the Commission on April 1, 2013; by the North Carolina Sustainable Energy Association on March 26, 2013, and granted by the Commission on April 1, 2013; by Carolina Utility Customers Association, Inc. on April 3, 2013, and granted by the Commission on April 4, 2013; and by North Carolina Waste Awareness and Reduction Network on April 15, 2013, and granted by the Commission on April 18, 2013.

c. On March 13, 2013, the Commission entered an Order Scheduling Hearing, Requiring Filing of Testimony, Establishing Discovery Guidelines, and Requiring Public Notice. That order provided that direct testimony of intervenors should be filed on May 17, 2013, that rebuttal testimony should be filed on May 24, 2013, and that a hearing on this matter would be scheduled for June 4, 2013. On May 17, 2013, the Public Staff filed a motion for extension of time to file testimony, and on May 20, 2013, the Commission granted the motion, extending the time for filing Public Staff and intervenor testimony to May 24, 2013 and for filing rebuttal testimony to May 31, 2013. On May 23, 2013, the Public Staff filed a subsequent motion for extension of time to file testimony, and on May 24, 2013, the Commission granted the motion, extending the time for filing

Public Staff and intervenor testimony to May 31, 2013 and for filing rebuttal testimony to June 3, 2013.

d. Subsequent to the filing of the Application, the Public Staff has conducted substantial discovery on the issues raised by the Application and the direct testimony of the Company. The Public Staff's discovery included a detailed investigation of the performance of the Catawba Nuclear Station ("Catawba") and the McGuire Nuclear Station ("McGuire") during the test year. During the course of that investigation, the Public Staff requested and reviewed numerous documents and interviewed Company personnel.

e. Through this Stipulation, the Company is updating its filing to reflect the impact of $431,799 of total system ($294,198 NC retail) fuel costs incurred in 2012 inadvertently omitted in its original filing. These fuel costs represent the fuel cost component of other purchased power from a qualifying facility.

f. Prior to the filing of the Public Staff's testimony in this matter, the Stipulating Parties engaged in discussions and reached agreement in principle with respect to the issues presented by the Company's application.

2. NUCLEAR PLANT PERFORMANCE

a. One factor contributing to the Company's test year fuel costs was the performance of its nuclear plants. G.S. 62-133.2(d) and Commission Rule R8-55 provide that the burden of proof as to the correctness and reasonableness of any charge and as to whether the test year fuel costs were reasonable and prudently incurred is on the utility. For purposes of determining the EMF rider, a utility must achieve either (a) an actual system-wide nuclear capacity factor in the

test year that is at least equal to the national average capacity factor for nuclear production facilities based on the most recent five-year period available as reflected in the most recent North American Electric Reliability Corporation's ("NERC") Generating Availability Report, appropriately weighted for size and type of plant (the "NERC average") or (b) an average system-wide nuclear capacity factor, based upon a two-year simple average of the system-wide capacity factors actually experienced in the test year and the preceding year, that is at least equal to the national average capacity factor for nuclear production facilities based on the most recent five-year period available as reflected in the most recent NERC's Generating Availability Report, appropriately weighted for size and type of plant, or a presumption is created that the utility imprudently incurred the fuel costs and that disallowance of those costs is appropriate.

b. Comparing the capacity factor calculations for DEC's nuclear plants with the most recent NERC five-year average, DEC exceeded the performance standard for its nuclear plants. Company witness Duncan stated that the most recent NERC five-year average was 89.79%. During the test period, the Company's nuclear generation system achieved an actual capacity factor of 91.85%, thereby exceeding the NERC average by over two percentage points.

c. Nevertheless, DEC's nuclear performance was affected by the performance at McGuire Unit 2 and Catawba Unit 2. Although McGuire exceeded the NERC five-year average during the test period, it experienced an extended refueling outage at Unit 2. Catawba also exceeded the NERC five-year average. Catawba Unit 1, however, experienced a forced outage event resulting

from a cable failure further complicated by a loss of offsite power event for the station, which extended the Unit 2 refueling and maintenance outage underway at the time.

d. As described in the testimony of Kennie D. Ellis, after extensive investigation, the Public Staff believes that some of the outage time at McGuire Unit 2 and Catawba during the test year could have been avoided under efficient management and economic operations, and at least some of the associated replacement power costs should be excluded.

e. DEC disagrees with the Public Staff's position. DEC does acknowledge, however, that although the Company's nuclear capacity factor exceeded the NERC average for the test year, the Catawba and McGuire outages exceeded the scheduled outage duration as a result of equipment and vendor execution challenges. As part of its continuous improvement processes, DEC has evaluated and implemented lessons learned from these outages.

f. The Stipulating Parties have reached agreement that DEC will forgo recovery of $4,542,857 of replacement power fuel expenses incurred during the test year due to the outage extension at McGuire, as well as $757,143 of interest on that amount, for a total of $5.3 million. Additionally, to the extent that DEC succeeds in recovering liquidated damages from the vendor involved in the McGuire outage work, DEC agrees to flow back half of the net amount up to $257,143 to ratepayers in a future fuel case.

g. The Stipulating Parties agree that the above amounts represent a fair and reasonable resolution of the test year fuel costs that the Public Staff

believes should not be recovered from ratepayers because of the challenges experienced at Catawba and McGuire.

3. **GENERAL PROVISIONS**

a. DEC's fuel procurement practices during the test period were reasonable and prudent.

b. The parties disagree as to whether Catawba and McGuire were operated under efficient management and economic operations during the test year. The parties do agree that the performance of DEC's other base load plants during the test period was reasonable and prudent.

c. The projected fuel costs for the North Carolina retail jurisdiction for use in this proceeding are $1,287,001,169. This consists of $12,302,413 of renewable and cogeneration power capacity costs and $1,274,698,756 of other fuel costs. The annual increase in the aggregate amount of fuel-related expenses associated with certain purchased power costs identified in 62-133.2(a1) exceeded two percent of DEC's total North Carolina jurisdictional gross revenues for 2012. The annual increase exceeded the North Carolina jurisdictional gross revenues, however, because the Company jointly dispatched its generation fleet with Duke Energy Progress, Inc., consistent with the terms of the Joint Dispatch Agreement ("JDA"), approved by this Commission in connection with the merger of Duke Energy Corporation and Progress Energy, Inc. ("Merger"), and which has saved DEC's North Carolina retail customers $5,683,604 in fuel costs since the close of the Merger on July 2, 2012. But for

the operation of the JDA, the Company would not have exceeded the two percent cap.

d. The Company's aggregate North Carolina retail jurisdictional fuel expense over-collection for purposes of the EMF was $51,555,143, including the adjustments described above in Sections 1.e. and 2.f of this Stipulation. As permitted by G.S. 62-133.2(d) and Commission Rule R8-55(d)(3), DEC may include in the EMF calculation actual fuel costs and revenues incurred for the period January 2013 through April 2013. However, DEC elected not to update fuel costs in this proceeding.

e. The decrease in fuel costs from the amounts approved in Docket No. E-7, Sub 1002 should be allocated between the rate classes on a uniform percentage basis, using the uniform bill adjustment methodology that was approved by the Commission in Docket No. E-7, Sub 1002.

f. The appropriate prospective fuel cost factors for this proceeding for each of DEC's rate classes, excluding gross receipts tax ("GRT") and regulatory fee, should be as follows: 2.2306 ¢/kWh for the Residential class; 2.3566 ¢/kWh General class; 2.3980¢/kWh for the Industrial class

g. The appropriate EMF decrement amounts established in this proceeding, including interest but excluding GRT and regulatory fee, should be as follows: (0.0534) ¢/kWh for the Residential class; (0.1371) ¢/kWh for the General class; and (0.1510) ¢/kWh for the Industrial class.

h. Schedules reflecting the stipulated adjustments are attached as Stipulation Exhibits 1-3.

4. **AGREEMENT IN SUPPORT OF SETTLEMENT; LEGAL EFFECT OF STIPULATION**

a. The Stipulating Parties shall act in good faith to use their best efforts to recommend to the Commission that this Stipulation be accepted and approved. The Stipulating Parties further agree that this Stipulation is in the public interest and that they will support the reasonableness of this Stipulation before the Commission, and in any appeal from the Commission's adoption and/or enforcement of this Stipulation of portion thereof.

b. The provisions of this Stipulation do not reflect any position asserted by any of the Stipulating Parties, but reflect instead the compromise and settlement among the Stipulating Parties as to all of the issues covered hereby.

c. By agreeing to settle this issue, DEC and the Public Staff agree that DEC in no way concedes that it was imprudent, unreasonable, inefficient, or uneconomical in incurring its fuel costs during the test period or in managing its generation fleet. Additionally, this Stipulation in no way constitutes a waiver or acceptance of the position of any Party concerning the requirements of N.C. Gen. Stat. § 62-133.2, or North Carolina Utilities Commission Rule R8-55, in any future proceeding, nor does it constitute a waiver of any right to assert or oppose a position in any future proceeding or any court. Moreover, this Settlement Agreement does not establish any precedent with respect to the issues resolved herein, and in no way precludes any Stipulating Party herein from advocating an alternative position or methodology in any future proceeding.

d. This Stipulation is a product of negotiation among all the Stipulating Parties and no provision of this Stipulation shall be strictly construed in favor of or against any Stipulating Party.

e. All pre-filed testimony, affidavits, and exhibits may be received in evidence without objection, and each Stipulating Party waives all right to cross examine any witness except to affirm the provisions of this Stipulation and to explain and clarify testimony consistent with this Stipulation. If questions are asked by any Commissioner, or if questions are asked or positions are taken by any person who is not a Stipulating Party, then any Stipulating Party may respond to such questions by presenting testimony or exhibits and cross examining any witness with respect to such testimony and exhibits.

f. This Stipulation is the product of negotiation and compromise of a complex set of issues, and no portion of this Stipulation is or will be binding on any of the Stipulating Parties unless the entire Stipulation is accepted by the Commission. If the Commission rejects any part of this Stipulation or imposes any change or condition on approval of this Stipulation or if the Commission's approval of this Stipulation is rejected or conditioned by a reviewing court, the Stipulating Parties agree to meet and discuss the applicable Commission or court order within five business days of its issuance and to attempt in good faith to determine if they are willing to modify the Stipulation consistent with the order. No Party shall withdraw from the Stipulation prior to complying with the foregoing sentence. If any Party withdraws from the Stipulation, any Party retains the right to seek additional proceedings before the Commission, including cross-

examination of witnesses, with respect to issues addressed by the Stipulation and no Party shall be bound or prejudiced by the terms and conditions of the Stipulation.

g. This Stipulation may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. Execution by facsimile signature shall be deemed to be, and shall have the same effect as, execution by original signature.

SIGNATURE PAGE FOLLOWS

This the 3rd day of June, 2013.

DUKE ENERGY CAROLINAS, LLC

By: _____

Brian L. Franklin
Associate General Counsel
Duke Energy Corporation
Telephone: (980) 373-4465
brian.franklin@duke-energy.com

PUBLIC STAFF, NORTH CAROLINA UTILITIES COMMISSION

By: Dianna W. Downey

Dianna W. Downey
Staff Attorney
4326 Mail Service Center
Raleigh, North Carolina 27699-4326
Telephone: (919) 733-6110
dianna.downey@psncuc.nc.gov

This the 3rd day of June, 2013.

DUKE ENERGY CAROLINAS, LLC

By: _____

Brian L. Franklin
Associate General Counsel
Duke Energy Corporation
Telephone: (980) 373-4465
brian.franklin@duke-energy.com

PUBLIC STAFF, NORTH CAROLINA UTILITIES COMMISSION

By: _____

Dianna W. Downey
Staff Attorney
4326 Mail Service Center
Raleigh, North Carolina 27699-4326
Telephone: (919) 733-6110
dianna.downey@psncuc.nc.gov

CERTIFICATE OF SERVICE

I certify that I have served a copy of the foregoing on all parties of record in this proceeding in accordance with NCUC Rule R1-39 by causing the same to be deposited in the United States Mail, first class postage prepaid, or delivered by hand delivery or by means of facsimile or electronic delivery upon agreement of the receiving party.

This the 3rd day of June, 2013.

Dianna W. Downey

Dianna W. Downey

Stipulation Exhibit 1
Schedule 1

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Summary of Settlement Fuel and Fuel Related Cost Factors
Test Period Ended December 31, 2012
Billing Period September 2013 - August 2014
Docket E-7, Sub 1033

Line No.	Description	Reference	Residential cents/KWh	General cents/KWh	Industrial cents/KWh	Composite cents/KWh
	Company Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 92.84%					
1	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	L3 - L2	2.2070	2.3355	2.3752	2.2960
2	Total of Renewable and Cogeneration Purchased Power Capacity	Smith Ex 2, Sch 1, p 2	0.0253	0.0204	0.0200	0.0222
3	Total adjusted Fuel and Fuel Related Costs cents/kWh	L6 - L4 - L5	2.2323	2.3559	2.3952	2.3182
4	EMF Decrement cents/kWh	Smith Ex 3, Pages 2, 3, 4 and 1	(0.0382)	(0.1099)	(0.1216)	(0.0852)
5	EMF Interest Decrement cents/kWh	Smith Ex 3, Pages 2, 3, 4 and 1	(0.0064)	(0.0183)	(0.0203)	(0.0142)
6	Net Fuel and Fuel Related Costs Factors cents/kWh	Smith Ex 2, Sch 1, p 3	2.1877	2.2277	2.2533	2.2188
	Settlement Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 92.84%					
7	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	Stipulation Ex 1 Sch 3	2.2053	2.3362	2.3780	2.2960
8	Purchased Power - Capacity cents/kWh	Stipulation Ex 1 Sch 3	0.0253	0.0204	0.0200	0.0222
9	Total adjusted Fuel and Fuel Related Costs cents/kWh	Sum	2.2306	2.3566	2.3980	2.3182
10	EMF Decrement cents/kWh	Stipulation Ex 2, Sch 2, 3, 4 and 1	(0.0458)	(0.1175)	(0.1294)	(0.0928)
11	EMF Interest Decrement cents/kWh	Stipulation Ex 2, Sch 2, 3, 4 and 1	(0.0076)	(0.0196)	(0.0216)	(0.0155)
12	Net Fuel and Fuel Related Costs Factors cents/kWh	Sum	2.1772	2.2195	2.2470	2.2099

Note: All fuel factors exclude gross receipts tax and regulatory fee

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DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line No.	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWH Sales	Smith Workpaper 9	20,955,314	22,316,250	12,244,753	55,516,317
	Calculation of Renewable and Cogeneration Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity	Smith Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Smith Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jurisdictional % based on Production Plant Allocator	Smith Ex 2, Sch 1, p 2				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Smith Ex 2, Sch 1, p 2	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0253	0.0204	0.0200	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.2053	2.3362	2.3780	2.2960
11	Purchased Power - Capacity cents/kWh	Line 9	0.0253	0.0204	0.0200	0.0222
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.2306	2.3566	2.3980	2.3182
13	EMF Increment cents/kWh	Stipulation Ex 2, Sch 2, 3, 4 and 1	(0.0458)	(0.1175)	(0.1294)	(0.0928)
14	EMF Interest Increment cents/kWh	Stipulation Ex 2, Sch 2, 3, 4 and 1	(0.0076)	(0.0196)	(0.0216)	(0.0155)
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Stipulation Ex 1 Sch 3	2.1772	2.2195	2.2470	2.2099

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line No.	Rate Class	Projected Billing Period Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (including renewables and EMF) E-7, Sub 1303	Settlement Total Fuel Rate (including renewables and EMF)
		A	B	C	D	E	F	G	H
		Smith Workpaper 9	Smith Workpaper 10	Line 28 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Smith Exhibit 7, Page 2 cents/kwh	Exhibit 1 Schedule 2a, page 2 cents/kwh	E + F + G = H
1	Residential	20,955,314	$ 2,128,247,268	$ (2,204,210)	-0.10%	(0.0105)	(0.0707)	2.2584	2.1772
2	General Service/Lighting	22,318,258	1,756,843,289	(1,819,550)	-0.10%	(0.0082)	(0.0609)	2.2788	2.2196
3	Industrial	12,244,753	739,175,066	(765,558)	-0.10%	(0.0063)	(0.0378)	2.2812	2.2470
4	NC Retail	55,518,317	$ 4,624,265,623	$ (4,788,318)					

Total Settlement Composite Fuel Rate:

5	System Total Fuel Costs	Smith Ex 2 Sch 1, Page 1	$ 1,908,936,036
6	Cogen and Renewable Purchased Power - Capacity	Smith Ex 2 Sch 1, Page 2	17,130,224
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,891,805,812
8	Projected System Billing Period MWH Sales for fuel factor	Workpaper 9	82,388,880
9	NC Projected Billing Period MWH Sales	Line 4	55,518,317
10	Allocation %	Line 9 / Line 8	67.38%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,274,604,756
12	NC Cogen and Renewable Purchased Power - Capacity	Smith Ex 2 Sch 1, Page 2	12,397,413
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,287,001,169
14	NC Projected Billing Period MWH Sales	Line 4	55,518,317
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.3182
16	Proposed Composite EMF Rate cents/kWh	Stipulation Ex 2, Sch 1	(0.0628)
17	Proposed Composite EMF Rate Interest cents/kWh	Stipulation Ex 2, Sch 1	(0.0155)
18	Total Settlement Composite Fuel Rate	Sum of Lines 17-19	2.2399

Total Current Composite Fuel Rate - Docket E-7 Sub 1091:

19	Current composite Fuel Rate cents/kWh	Supp Mc Manaus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0655)
23	Current composite EMF Rate cents/kWh	Supp Mc Manaus Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Manaus Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	(0.0086)
27	NC Projected Billing Period MWH Sales	Line 4	55,518,317
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ (4,788,318)

Stipulation Exhibit 2
Schedule 1

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Settlement Calculation of Experience Modification Factor - Composite
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	[redacted]		4,696,133	$ 19,638,596	$ 187,794	$ (423,273)	$ 19,403,117
2	February			4,471,304	$ 23,655,484	$ 134,644	$ (469,468)	$ 23,320,859
3	March			4,225,513	$ 24,585,301	$ 175,285	$ (358,714)	$ 24,401,871
4	April			4,010,671	$ 14,125,769	$ 175,371	$ (347,558)	$ 13,953,582
5	May[1]			4,082,258	$ (3,744,786)	$ 156,140	$ (311,282)	$ (3,899,928)
6	June			4,696,516	$ 285,689	$ 155,267	$ (372,323)	$ 68,833
7	July			5,356,807	$ (19,866,452)	$ 119,793	$ -	$ (19,546,659)
8	August			5,440,542	$ 4,397,805	$ 115,271	$ -	$ 4,513,076
9	September			4,959,528	$ 15,743,742	$ 141,367	$ -	$ 15,885,109
10	October			4,052,001	$ 1,378,491	$ 183,651	$ -	$ 1,562,142
11	November			4,159,014	$ (25,945,880)	$ 143,654	$ -	$ (25,802,226)
12	December			4,395,620	$ (2,399,968)	$ 95,536	$ -	$ (2,304,432)
				54,555,907	$ 52,053,792	$ 1,783,970	$ (2,282,619)	$ 51,555,143

13	Booked Over (Under) Recovery	January 2012 through December 2012	$ 51,555,143
14	Adjusted Test Period MWH Sales	Smith Exhibit 4	55,534,611
15	Experience Modification Increment (Decrement) cents/KWh		(0.0928)
16	Annual Interest Rate		10%
17	Monthly Interest Rate		0.83333%
18	Number of Months (July 2012 - February 2014)		20
19	Interest		$ 8,592,520
20	EMF Interest Increment (Decrement)		(0.0155)

Notes:
[1] Prior period corrections not included in rate incurred but are included in over/(under) recovery total

Stipulation Exhibit 2
Schedule 2

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Settlement Calculation of Experience Modification Factor - Residential
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9757	2.3941	2,052,554	$ 8,587,286	$ 82,696	$ (185,001)	$ 8,484,980
2	February	1.9654	2.3941	1,765,443	$ 9,438,814	$ 55,007	$ (187,464)	$ 9,306,356
3	March	1.8137	2.3941	1,576,391	$ 9,149,569	$ 67,552	$ (133,824)	$ 9,083,298
4	April	2.0458	2.3941	1,252,705	$ 4,363,219	$ 58,610	$ (108,557)	$ 4,313,272
5	May(1)	2.4880	2.3941	1,320,093	$ (1,197,907)	$ 53,520	$ (100,660)	$ (1,245,048)
6	June	2.3891	2.3941	1,638,140	$ 81,288	$ 56,610	$ (129,868)	$ 8,032
7	July	2.7610	2.3941	2,159,210	$ (7,922,165)	$ 49,259	$ -	$ (7,872,906)
8	August	2.3132	2.3941	2,137,529	$ 1,730,239	$ 46,314	$ -	$ 1,776,553
9	September	2.0835	2.2944	1,773,808	$ 3,741,329	$ 52,198	$ -	$ 3,793,527
10	October	2.5729	2.1529	1,271,002	$ (5,337,859)	$ 61,013	$ -	$ (5,276,846)
11	November	3.0681	2.1517	1,428,843	$ (13,093,552)	$ 51,262	$ -	$ (13,042,290)
12	December	2.1338	2.1517	1,725,994	$ 309,291	$ 38,113	$ -	$ 347,404
13	Total Test Period			20,121,712	$ 9,849,551	$ 672,154	$ (845,373)	$ 9,676,332
14	Test Period Wtd Avg. ¢/kwh	2.2833	2.3321					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 9,676,332
16	Adjusted Test Period MWH Sales			Smith Exhibit 4				21,143,695
17	Experience Modification Increment (Decrement) cents/KWh							(0.0458)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 1,612,721
20	EMF Interest Increment (Decrement)							(0.0076)

Notes:
(1) Prior period corrections not included in rate incurred but are included in over/(under) recovery total

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Settlement Calculation of Experience Modification Factor - GS/Lighting
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9752	2.3931	1,772,833	$ 7,403,550	$ 70,835	$ (159,790)	$ 7,319,596
2	February	1.8643	2.3931	1,698,008	$ 8,979,863	$ 51,123	$ (178,284)	$ 8,852,702
3	March	1.8110	2.3931	1,673,313	$ 9,739,585	$ 68,901	$ (142,052)	$ 9,666,434
4	April	2.0398	2.3931	1,736,780	$ 6,136,823	$ 74,447	$ (150,506)	$ 6,060,764
5	May(1)	2.4841	2.3931	1,734,987	$ (1,586,902)	$ 65,261	$ (132,295)	$ (1,653,936)
6	June	2.3866	2.3931	1,957,034	$ 127,816	$ 63,790	$ (155,147)	$ 36,459
7	July	2.7603	2.3931	2,108,480	$ (7,742,783)	$ 46,840	$ -	$ (7,695,942)
8	August	2.3123	2.3931	2,182,678	$ 1,747,384	$ 45,484	$ -	$ 1,792,868
9	September	1.8993	2.3118	2,080,164	$ 8,581,692	$ 58,447	$ -	$ 8,640,139
10	October	1.9883	2.1964	1,757,762	$ 3,658,455	$ 78,146	$ -	$ 3,736,601
11	November	2.7306	2.1954	1,716,585	$ (9,166,738)	$ 58,448	$ -	$ (9,128,290)
12	December	2.2927	2.1954	1,717,661	$ (1,671,731)	$ 37,181	$ -	$ (1,634,551)
13	Total Test Period			22,118,267	$ 26,192,013	$ 718,904	$ (918,074)	$ 25,992,843
14	Test Period Wtd Avg. ¢/kwh	2.2207	2.3391					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 25,992,843
16	Adjusted Test Period MWH Sales			Smith Exhibit 4				22,112,846
17	Experience Modification Increment (Decrement) cents/KWh							(0.1175)
18	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 4,332,139
20	EMF Interest Increment (Decrement)							(0.0196)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Settlement Calculation of Experience Modification Factor - Industrial
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9743	2.3926	870,747	$ 3,642,761	$ 34,263	$ (78,482)	$ 3,598,541
2	February	1.8625	2.3926	987,853	$ 5,236,807	$ 28,714	$ (103,720)	$ 5,161,801
3	March	1.8089	2.3926	975,808	$ 5,696,146	$ 38,831	$ (82,839)	$ 5,652,139
4	April	2.0375	2.3926	1,021,186	$ 3,625,727	$ 42,313	$ (88,494)	$ 3,579,546
5	May(1)	2.4827	2.3926	1,027,197	$ (959,977)	$ 37,359	$ (78,326)	$ (1,000,944)
6	June	2.3856	2.3926	1,101,342	$ 76,585	$ 34,867	$ (87,311)	$ 24,142
7	July	2.7600	2.3926	1,069,116	$ (4,001,503)	$ 23,693	$ -	$ (3,977,810)
8	August	2.3119	2.3926	1,140,335	$ 920,182	$ 23,472	$ -	$ 943,654
9	September	2.0128	2.3223	1,105,555	$ 3,420,721	$ 30,722	$ -	$ 3,451,443
10	October	1.9235	2.2224	1,023,236	$ 3,057,896	$ 44,491	$ -	$ 3,102,387
11	November	2.5796	2.2215	1,023,586	$ (3,665,590)	$ 33,944	$ -	$ (3,631,646)
12	December	2.3305	2.2215	951,965	$ (1,037,527)	$ 20,243	$ -	$ (1,017,284)
13	Total Test Period			12,317,928	$ 16,012,228	$ 392,912	$ (519,173)	$ 15,885,968
14	Test Period Wtd Avg. ¢/kwh	2.2144	2.3447					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 15,885,968
16	Adjusted Test Period MWH Sales			Smith Exhibit 4				12,278,269
17	Experience Modification Increment (Decrement) cents/KWh							(0.1294)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 2,647,660
20	EMF Interest Increment (Decrement)							(0.0216)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Settlement Adjustments
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Description	Nuclear Performance		Qualifying Facilities Fuel		Settlement Adjustments
1	DEC portion	($6,667,628)	1/	$431,799	4/	($6,235,829)
2	NC retail allocation factor	68.1330%	2/	68.1330%	2/	68.1330%
3	NC retail amount	($4,542,857)	3/	$294,198	5/	($4,248,659)

1/ Settlement Amount Grossed-Up to System Basis [L3/L2]
2/ NC retail allocation factor for purposes of Settlement
3/ Per Settlement
4/ Per Invoice.
5/ Line 1 x Line 2.

DUKE ENERGY CAROLINAS
North Carolina Fuel and Fuel-Related Expense
Includes Settlement Adjustments
Test Period Ended December 31, 2012
Docket No. E-7, Sub 1023

Line No.	Item	Jan-12	Feb-12	Mar-12	Apr-12
1	Fuel and fuel-related costs	137,674,290	127,144,314	111,882,784	121,079,548
2	Less fuel expenses (in line 1) recovered through Intersystem sales (a)	466,587	603,092	708,794	464,259
3	Total fuel and fuel-related costs (line 1 minus line 2)	136,207,853	121,541,222	111,173,994	120,615,289
4	Settlement adjustments - total system basis (Ex 3, Sch 1)				
5	Settlement amount	136,207,853	121,541,222	111,173,994	120,615,289
	MWH sales:				
6	Total system sales	6,910,175	6,533,000	6,154,994	5,920,352
7	Less Intersystem sales	(14,465)	(13,819)	(17,964)	(10,988)
8	Total sales less Intersystem sales	6,895,690	6,519,771	6,137,030	5,909,364
	(a) Line 2 includes:				
9	Fuel from Intersystem sales (Schedule 3)	838,201	584,553	691,650	456,489
10	Fuel-related costs recovered in off-system sales			11,579	
11	Fuel in loss compensation	27,396	8,539	5,565	7,770
12	Total fuel recovered from Intersystem sales	866,597	603,092	708,794	464,259
	Computation of Incurred Fuel Clause Costs				
13	Fuel and fuel related costs	136,207,853	121,541,222	111,173,994	120,615,289
14	Less: Renewable purchased power capacity costs	206,400	471,809	365,589	587,479
15	Fuel clause costs, net of renewable pp capacity costs	135,601,253	121,069,413	110,808,405	120,027,810
16	NC retail allocation percent	68.1034%	68.5890%	68.8527%	67.8806%
17	NC retail amount of fuel clause costs, net of renewable pp cap costs	92,347,764	83,036,756	76,156,804	81,462,310
18	NC retail - renewable purchased power capacity costs	412,073	323,458	369,423	306,710
19	Total NC fuel clause costs - Settlement	92,760,738	83,360,213	76,546,328	81,861,029
20	Total NC fuel clause costs - Company	92,760,738	83,360,213	76,546,328	81,861,029
21	Settlement adjustment - NC retail amount	-	-	-	-
	Allocations by kwh sales:				
22	NC retail amount of fuel clause costs, excl renewables, by customer class				
23	Residential	40,362,727	33,157,537	28,411,475	25,444,171
24	Commercial	34,822,121	31,533,771	30,156,330	35,278,422
25	Industrial	17,122,916	18,345,448	17,587,109	20,741,717
26	Total	92,347,764	83,036,756	76,156,804	81,462,310
	Allocations by Sub 1002 factors:				
27	NC retail amount of fuel clause costs, excl renewables, by customer class				
28	Residential	-	-	-	-
29	Commercial	-	-	-	-
30	Industrial	-	-	-	-
31	Total	-	-	-	-
	Allocations by production demand factors:				
32	NC retail amount of renewable pp cap costs, by customer class				
33	Residential	180,174	148,532	178,329	183,810
34	Commercial	154,685	121,308	146,159	149,645
35	Industrial	67,404	53,107	63,938	65,464
36	Total	412,073	323,458	369,423	306,719
	Incurred Costs by Customer Class:				
37	Residential	40,542,901	33,306,469	28,590,804	25,627,781
38	Commercial	35,017,110	31,655,189	30,304,478	35,428,067
39	Industrial	17,190,721	18,398,555	17,651,047	20,807,181
40	Total	92,760,738	83,360,213	76,546,328	81,861,029
	Incurred Costs per kwh by Customer Class:				
41	Residential	1.0157	1.0054	1.0137	2.0458
42	Commercial	1.0752	1.0843	1.0110	2.0308
43	Industrial	1.0743	1.0625	1.0089	2.0375
44	Total	1.0753	1.0843	1.0115	2.0411

Source:
All information except Settlement adjustments from Monthly Fuel Reports.

DUKE ENERGY CAROLINAS
North Carolina Fuel and Fuel-Related Expense
Includes Settlement Adjustments
Test Period Ended December 31, 2012
Docket No. E-7, Sub 1033

Line No.	Item	May-12	Jun-12	Jul-12	Aug-12
1	Fuel and fuel-related costs	151,749,779	165,744,860	225,226,299	189,280,474
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	1,711,618	563,111	8,944,624	7,264,695
3	Total fuel and fuel-related costs (line 1 minus line 2)	150,037,161	165,181,758	216,281,675	182,015,779
4	Sett asset adjustments - total system basis (Ex 3, Sch 1)				
5	Settlement amount	150,037,161	165,181,758	216,281,675	182,015,779
	MWH sales:				
6	Total system sales	6,079,813	6,931,285	8,100,236	8,108,581
7	Less intersystem sales	(39,175)	(11,929)	(265,455)	(238,820)
8	Total sales less intersystem sales	6,037,638	6,919,356	7,834,783	7,870,798
	(a) Line 2 includes:				
9	Fuel from intersystem sales (Schedule 3)	1,695,169	547,626	8,926,993	7,262,631
10	Fuel-related costs recovered in off-system sales				
11	Fuel in loss compensation	15,449	15,585	17,631	2,064
12	Total fuel recovered from intersystem sales	1,711,618	563,111	8,944,624	7,264,695
	Computation of Incurred Fuel Clause Costs				
13	Fuel and fuel related costs	150,037,161	165,181,758	216,281,675	182,015,779
14	Less: Renewable purchased power capacity costs	535,312	542,700	496,613	444,811
15	Fuel clause costs, net of renewable pp capacity costs	149,501,849	164,639,058	215,783,062	181,550,968
16	NC retail allocation percent	67.6133%	67.8707%	68.3721%	69.1234%
17	NC retail amount of fuel clause costs, net of renewable pp cap costs	101,083,263	111,749,158	147,535,424	125,484,162
18	NC retail - renewable purchased power capacity costs	362,078	363,359	340,912	321,293
19	Total NC fuel clause costs - Settlement	101,445,341	112,117,517	147,876,336	125,815,476
20	Total NC fuel clause costs - Company	101,445,341	112,117,517	147,876,336	125,815,476
21	Settlement adjustment - NC retail amount	-	-	-	-
	Allocations by kwh sales:				
22	NC retail amount of fuel clause costs, excl renewables, by customer class				
23	Residential	32,697,437	38,878,032	58,408,203	47,305,294
24	Commercial	42,950,580	46,565,798	58,971,070	49,865,371
25	Industrial	25,435,055	26,305,300	29,866,091	26,303,517
26	Total	101,083,263	111,749,158	147,535,424	125,484,162
	Allocations by Sub 1002 factors:				
27	NC retail amount of fuel clause costs, excl renewables, by customer class				
28	Residential	-	-	-	-
29	Commercial	-	-	-	-
30	Industrial	-	-	-	-
31	Total	-	-	-	-
	Allocations by production demand factors:				
32	NC retail amount of renewable pp cap costs, by customer class:				
33	Residential	188,713	189,431	147,552	139,061
34	Commercial	137,803	140,194	129,748	122,281
35	Industrial	37,562	33,734	63,613	59,957
36	Total	362,078	363,359	340,912	321,293
	Incurred Costs by Customer Class:				
37	Residential	32,844,360	39,137,434	58,815,813	48,444,356
38	Commercial	43,088,384	46,705,800	58,200,818	50,007,652
39	Industrial	25,502,617	26,274,124	30,056,703	26,363,469
40	Total	101,445,361	112,117,517	147,876,336	125,815,476
	Incurred Costs per kwh by Customer Class:				
41	Residential	2.4880	2.3891	2.7810	2.3132
42	Commercial	2.4841	2.3805	2.7603	2.3123
43	Industrial	2.4827	2.3699	2.7800	2.3119
44	Total	2.4800	2.3672	2.7605	2.3128

Source:
All information except Settlement adjustments from Monthly Fuel Reports

DUKE ENERGY CAROLINAS
North Carolina Fuel and Fuel-Related Expense
Includes Settlement Adjustments
Test Period Ended December 31, 2012
Docket No. E-7, Sub 1033

Line No.	Item	Sep-12	Oct-12	Nov-12	Dec-12	12 Months Ended Dec-12
1	Fuel and fuel-related costs	147,488,862	135,597,778	176,230,260	154,306,247	1,838,815,459
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	4,389,657	1,258,107	2,186,947	10,131,389	39,092,800
3	Total fuel and fuel-related costs (line 1 minus line 2)	143,099,205	134,339,672	173,062,303	144,176,858	1,797,722,659
4	Settlement adjustments - total system basis (Ex 3, Sch 1)		(6,235,829)			(6,235,829)
5	Settlement amount	143,099,205	128,103,843	173,062,303	144,176,858	1,791,486,740
	MWH sales:					
6	Total system sales	7,330,366	5,888,058	6,222,054	6,738,544	81,010,540
7	Less intersystem sales	(138,253)	(38,888)	(59,506)	(295,729)	(1,141,974)
8	Total sales less intersystem sales	7,192,113	5,847,180	6,162,548	6,442,815	79,868,566
	(a) Line 2 includes:					
9	Fuel from intersystem sales (Schedule 3)	4,385,082	1,249,451	2,178,409	10,120,906	38,950,050
10	Fuel-related costs recovered in off-system sales					11,579
11	Fuel in loss compensation	4,575	8,656	7,538	10,483	131,251
12	Total fuel recovered from intersystem sales	4,389,657	1,258,107	2,186,947	10,131,389	39,092,800
	Computation of Incurred Fuel Clause Costs					
13	Fuel and fuel related costs	143,099,205	128,103,843	173,062,303	144,176,858	1,791,486,740
14	Less: Renewable purchased power capacity costs	556,842	836,709	507,490	380,603	8,356,247
15	Fuel clause costs, net of renewable pp capacity costs	142,542,263	127,465,634	172,544,813	143,796,065	1,783,130,493
16	NC retail allocation percent	68.9579%	68.1330%	67.6006%	68.2751%	
17	NC retail amount of fuel clause costs, net of renewable pp cap costs	98,294,103	86,845,199	116,727,976	98,106,012	1,218,639,071
18	NC retail - renewable purchased power capacity costs	424,927	488,931	367,197	280,608	4,508,878
19	Total NC fuel clause costs - Settlement	98,719,030	87,333,130	117,115,173	98,395,619	1,223,345,950
20	Total NC fuel clause costs - Company	98,719,030	91,581,780	117,115,173	98,395,619	1,227,594,809
21	Settlement adjustment - NC retail amount	-	(4,248,650)	-	-	(4,248,859)
	Allocations by kwh sales:					
22	NC retail amount of fuel clause costs, excl renewables, by customer class					
23	Residential					307,815,108
24	Commercial					329,313,432
25	Industrial					181,737,244
26	Total	-	-	-	-	818,865,781
	Allocations by Sub 1003 factors:					
27	NC retail amount of fuel clause costs, excl renewables, by customer class					
28	Residential	38,773,678	32,400,978	43,670,375	38,703,135	149,638,388
29	Commercial	38,340,358	34,760,852	46,725,293	39,270,668	160,106,169
30	Industrial	22,173,867	19,691,369	26,332,306	22,131,219	90,228,755
31	Total	98,294,103	86,845,199	116,727,976	98,106,012	399,973,220
	Allocations by production demand factors:					
32	NC retail amount of renewable pp cap costs, by customer class:					
33	Residential	183,915	210,761	157,568	125,780	1,932,853
34	Commercial	161,723	183,321	147,353	110,602	1,707,228
35	Industrial	79,289	80,849	72,249	54,226	868,797
36	Total	424,927	488,931	367,197	280,608	4,508,878
	Incurred Costs by Customer Class:					
37	Residential	38,957,593	32,701,728	43,837,950	38,828,915	450,446,325
38	Commercial	39,508,081	34,849,173	46,872,646	39,381,268	481,126,829
39	Industrial	22,253,158	19,682,229	26,404,577	22,185,436	272,772,796
40	Total	98,719,030	87,333,130	117,115,173	98,395,619	1,223,345,950
	Incurred Costs per kwh by Customer Class:					
41	Residential	2.0835	2.5729	3.0681	2.1336	2.2833
42	Commercial	1.8003	1.8883	2.7308	2.2327	2.2267
43	Industrial	2.0129	1.9235	2.5798	2.3305	2.2144
44	Total	1.8905	2.1563	2.8082	2.2385	2.3424

Source:
All information except Settlement adjustments from Monthly Fuel Reports

I/A

WEINTRAUB EXHIBIT 1

Duke Energy Carolinas, LLC Fossil Fuel Procurement Practices

Coal

- Near and long-term consumption forecasts are computed based on factors such as: load projections, fleet maintenance and availability schedules, coal quality and cost, environmental permit and emissions considerations, wholesale energy imports and exports.
- Station and system inventory targets are determined and designed to provide: reliability, insulation from short-term market volatility, and sensitivity to evolving coal production and transportation conditions. Inventories are monitored continuously.
- On a continuous basis, existing purchase commitments are compared with consumption and inventory requirements to ascertain additional needs.
- All qualified suppliers are invited to make proposals to satisfy any additional or future contract needs.
- Contracts are awarded based on the lowest evaluated offer, considering factors such as price, quality, transportation, reliability and flexibility.
- Spot market solicitations are conducted on an on-going basis to supplement contract purchases.
- Delivered coal volume and quality are monitored against contract commitments. Coal and freight payments are calculated based on certified scale weights and coal quality analysis meeting ASTM standards. During the test period the Company utilized both destination and/or origin weights and analysis.

Gas

- Near and long-term consumption forecasts are computed based on factors such as load projections, commodity and emission prices, and fleet maintenance and availability schedules.
- Short-term and Long term Periodic Request for Proposal (RFP's) and informal market solicitations will be conducted to potential qualified suppliers to procure a cost competitive, secure and reliable natural gas supply over time to meet forecasted gas usage.
- Short-term and spot purchases are conducted on an on-going basis to supplement term natural gas supply.
- On a continuous basis, existing purchases are compared to forecasted gas usage to ascertain any additional needs.

Fuel Oil

- No. 2 diesel is burned for initiation of coal combustion (light-off at steam plants) and in combustion turbines (peaking assets).
- All diesel fuel is moved via pipeline to terminals where it is then loaded on trucks for delivery into the Company's storage tanks. Because oil usage is highly variable, Duke relies on a combination of inventory and reliable suppliers who are responsive and can access multiple terminals. Diesel is

DUKE ENERGY CAROLINAS
Summary of Coal Purchases
Twelve Months Ended December 31, 2012 & 2011
Tons

Line No.	Month	Contract (Tons)	Spot (Tons)	Adjustment (Tons)	Total (Tons)
1	January 2012	1,099,131	34,300	0	1,133,431
2	February	1,085,149	9,044	0	1,094,193
3	March	795,810	0	0	795,810
4	April	867,257	0	0	867,257
5	May	817,198	0	0	817,198
6	June	664,100	0	0	664,100
7	July	940,875	0	0	940,875
8	August	1,040,679	0	(3,975)	1,036,704
9	September	946,139	10,666	0	956,805
10	October	1,163,874	56,433	0	1,220,307
11	November	870,291	58,669	0	928,960
12	December	880,826	0	0	880,826
13	**Total** (Sum L1:L12)	**11,171,329**	**169,112**	**(3,975)**	**11,336,466**

Line No.	Month	Contract (Tons)	Spot (Tons)	Adjustment (Tons)	Total (Tons)
14	January 2011	1,282,765	154,813	0	1,437,578
15	February	1,301,272	170,753	0	1,472,024
16	March	1,283,553	193,195	0	1,476,749
17	April	1,337,562	52,723	0	1,390,285
18	May	1,356,127	107,037	0	1,463,165
19	June	986,996	51,904	0	1,038,900
20	July	1,064,373	57,088	0	1,121,461
21	August	1,300,837	126,879	0	1,427,716
22	September	1,115,068	168,151	0	1,283,219
23	October	1,203,913	138,531	0	1,342,444
24	November	1,135,876	196,375	(2,600)	1,329,650
25	December	1,200,921	119,862	(10,000)	1,310,783
26	**Total** (Sum L14:L25)	**14,569,263**	**1,537,311**	**(12,600)**	**16,093,974**

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Summary Comparison of Fuel and Fuel Related Cost Factors
Test Period Ended December 31, 2012
Billing Period September 2013 - August 2014
Docket E-7, Sub 1033

Smith Exhibit 1

Line #	Description	Reference	Residential cents/KWh	General cents/KWh	Industrial cents/KWh
	Current Fuel and Fuel Related Cost Factors (Approved Fuel Rider Docket No. E-7, Sub 1002)				
1	Approved Fuel and Fuel Related Costs Factors	Input	2.2224	2.2463	2.2594
2	Current Merger Savings decrement cents/kWh (Docket E-7, Sub 986)*	Workpaper 2	(0.0707)	(0.0509)	(0.0379)
3	EMF Increment	Input	0.0360	0.0323	0.0318
4	Approved Net Fuel and Fuel Related Costs Factors	Sum	2.1877	2.2277	2.2533
	Fuel and Fuel Related Cost Factors Required by Rule R8-55				
5	Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales	Exh 2 Sch 2 pg 2	2.1512	2.1989	2.2314
6	NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales	Exh 2 Sch 3 pg 2	2.2615	2.2860	2.2975
	Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 92.84%				
7	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	Exh 2 Sch 1 pg 2	2.2070	2.3355	2.3752
8	Purchased Power - Capacity cents/kWh	Exh 2 Sch 1 pg 2	0.0253	0.0204	0.0200
9	Total adjusted Fuel and Fuel Related Costs cents/kWh	Sum	2.2323	2.3559	2.3952
10	EMF Decrement cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)
11	EMF Interest Decrement cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)
12	Net Fuel and Fuel Related Costs Factors cents/kWh	Sum	2.1877	2.2277	2.2533

*excludes gross receipts tax and regulatory fee

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DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Unit	Reference	MDC Rating (MW)	Hours in Year	Capacity Factor	Generation (MWH)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	B	D/(A*B)=C	D	E	D * E = F
1	Catawba 1	Workpaper 3	1,129	8,760	89.85%	8,885,994	0.6534	58,059,461
2	Catawba 2	Workpaper 3	1,129	8,760	92.01%	9,099,772	0.7078	64,408,351
3	McGuire 1	Workpaper 3	1,129	8,760	98.25%	9,717,272	0.6585	63,992,207
4	McGuire 2	Workpaper 3	1,129	8,760	93.26%	9,223,879	0.6627	61,127,783
5	Oconee 1	Workpaper 3	846	8,760	99.89%	7,402,727	0.6787	50,242,789
6	Oconee 2	Workpaper 3	846	8,760	84.02%	6,226,615	0.6964	43,360,558
7	Oconee 3	Workpaper 3	846	8,760	91.94%	6,813,773	0.6836	46,576,393
8	Total Nuclear	Workpaper 5 & 6	7,054		92.84%	57,370,032	0.6759	387,767,542
9	Coal	Workpaper 5 & 6				26,277,775	3.8023	999,170,804
10	Gas CT and CC	Workpaper 5 & 6				10,016,167	3.2554	326,064,809
11	Reagents	Workpaper 11				-		41,840,169
12	Total Fossil	Sum				36,293,942		1,367,075,782
13	Hydro	Workpaper 5				1,779,845		
14	Net Pumped Storage	Workpaper 5				(798,620)		
15	Total Hydro	Sum				981,225		
16	Total Generation	Line 8 + Line 12 + Line 15				94,645,199		1,754,843,324
17	Less Catawba Joint Owners	Workpaper 5				(13,929,209)		(94,148,372)
18	Net Generation	Sum				80,715,990		1,660,694,952
19	Purchases	Workpaper 5 & 6				9,448,043		336,257,185
20	JDA Savings Shared	Workpaper 7				-		8,791,208
21	Total Purchases					9,448,043		345,048,393
22	Total Generation and Purchases	Line 18 + Line 21				90,164,033		2,005,743,345
23	Adjustment to exclude cost of mitigation sales	Workpaper 5 & 7				(803,900)		(29,839,400)
24	Fuel expense recovered through Intersystem sales	Workpaper 5 & 7				(1,683,858)		(66,967,909)
25	Line losses and Company use					(5,287,395)		-
26	System Fuel Expense for Fuel Factor	Lines 22 + 23 + 24						1,908,936,036
27	Projected System MWh Sales for Fuel Factor	Lines 22 + 23 + 24 + 25 and Workpaper 9				82,388,880		82,388,880
28	Fuel and Fuel Related Costs cents/kWh	Line 26/Line 27/10						2.3170

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWH Sales	Workpaper 9	20,955,314	22,316,250	12,244,753	55,516,317
	Calculation of Renewable and Cogeneration Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity	Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jursidicational % based on Production Plant Allocator	Input				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Input	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0253	0.0204	0.0200	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.2070	2.3355	2.3752	
11	Purchased Power - Capacity cents/kWh	Line 9	0.0253	0.0204	0.0200	
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.2323	2.3559	2.3952	
13	EMF Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)	
14	EMF Interest Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)	
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 1 Page 3	2.1877	2.2277	2.2533	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average EMF Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Rate Class	Projected Billing Period MWH Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (Including renewables and EMF) E-7, Sub 1002	Proposed Total Fuel Rate (Including renewables and EMF)
		A	B	C	D	E	F	G	H
		Workpaper 9	Workpaper 10	Line 28 as a % of Column B	C / B	If D=0 then 0 If not then (C*100)/(A*1000)	Exhibit 7, Page 2 cents/kwh	Exhibit 1 Schedule 2c, page 2 cents/kwh	E + F + G = H
1	Residential	20,955,314	$ 2,128,247,266	$ 69,787	0.00%	-	(0.0707)	2.2584	2.1877
2	General Service/Lighting	22,316,250	1,756,843,268	57,609	0.00%	-	(0.0509)	2.2786	2.2277
3	Industrial	12,244,753	739,175,089	24,238	0.00%	-	(0.0379)	2.2912	2.2533
4	NC Retail	55,516,317	$ 4,624,265,623	$ 151,634					

Total Proposed Composite Fuel Rate

5	System Total Fuel Costs	Exhibit 2 Sch 1, Page 1	$ 1,908,936,036
6	Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 1, Page 2	17,130,224
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,891,805,812
8	Projected System MWh Sales for Fuel Factor	Workpaper 9	82,388,680
9	NC Retail Projected Billing Period MWH Sales	Line 4	55,516,317
10	Allocation %	Line 8 / Line 9	67.38%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,274,698,756
12	NC Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 1, Page 2	12,302,413
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,287,001,169
14	NC Retail Projected Billing Period MWH Sales	Line 4	55,516,317
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.3182
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	(0.0852)
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	(0.0142)
18	Total Proposed Composite Fuel Rate	Sum of Lines 17-19	2.2188

Total Current Composite Fuel Rate - Docket E-7 Sub 1001

19	Current composite Fuel Rate cents/kWh	Supp Mc Manus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0555)
23	Current composite EMF Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	0.0003
27	NC Retail Projected Billing Period MWH Sales	Line 4	55,516,317
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ 151,434

Note: Rounding differences may occur

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Unit	Reference	MDC Rating (MW)	Hours in Year	Capacity Factor	Generation (MWH)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	B	D/(A*B)=C	D	E	D * E = F
1	Catawba 1	Workpaper 3	1,129	8,760	89.85%	8,885,994	0.6534	58,059,461
2	Catawba 2	Workpaper 3	1,129	8,760	92.01%	9,099,772	0.7078	64,408,351
3	McGuire 1	Workpaper 3	1,129	8,760	98.25%	9,717,272	0.6585	63,992,207
4	McGuire 2	Workpaper 3	1,129	8,760	93.26%	9,223,879	0.6627	61,127,783
5	Oconee 1	Workpaper 3	846	8,760	99.89%	7,402,727	0.6787	50,242,789
6	Oconee 2	Workpaper 3	846	8,760	84.02%	6,226,615	0.6964	43,360,558
7	Oconee 3	Workpaper 3	846	8,760	91.94%	6,813,773	0.6836	46,576,393
8	Total Nuclear		7,054		92.84%	57,370,032	0.6759	387,767,542
9	Coal	Calculated				25,005,603	3.8023	950,798,492
1	Gas CT	Workpaper 17				755,750	3.4520	26,088,479
10	Gas CC	Workpaper 5				9,456,110	3.1557	298,403,910
11	Reagents	Workpaper 11				-		41,840,169
12	Total Fossil	Sum				35,217,463		1,317,131,050
13	Hydro	Workpaper 15				1,704,500		
14	Net Pumped Storage	Workpaper 16				(734,509)		
15	Total Hydro	Sum				969,991		
16	Total Generation	Line 8 + Line 12 + Line 15				93,557,486		1,704,898,592
17	Less Catawba Joint Owners					(13,929,209)		(94,148,372)
18	Net Generation	Sum				79,628,277		1,610,750,219
19	Purchases	Workpaper 5 & 6				9,448,043		336,257,185
20	JDA Savings Shared	Workpaper 7				-		8,791,208
21	Total Purchases	Sum				9,448,043		345,048,393
22	Total Generation and Purchases	Line 18 + Line 21				89,076,320		1,955,798,612
23	Adjustment to exclude cost of mitigation sales	Workpaper 5 & 7				(803,900)		(29,839,400)
24	Fuel expense recovered through Intersystem sales	Workpaper 5 & 7				(1,683,858)		(66,967,909)
25	Line losses and Company use	Workpaper 14				(5,294,981)		-
26	System Fuel Expense for Fuel Factor							1,858,991,303
27	Projected System MWh Sales for Fuel Factor	Lines 22 + 23 + 24 + 25 and Exhibit 4				81,293,582		81,293,582
28	Fuel and Fuel Related Costs cents/kWh	Line 26/Line 27/10						2.2868

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWH Sales	Exhibit 4	21,143,695	22,112,646	12,278,269	55,534,611
	Calculation of Renewable Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity	Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jursidicational % based on Production Plant Allocator	Input				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Input	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0251	0.0206	0.0199	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.1707	2.3065	2.3534	
11	Purchased Power - Renewable and Cogeneration Capacity cents/kWh	Line 9	0.0251	0.0206	0.0199	
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.1958	2.3271	2.3733	
13	EMF Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)	
14	EMF Interest Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)	
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 2 Page 3	2.1512	2.1989	2.2314	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Rate Class	Adjusted Test Period MWH Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/(Decrease) as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (including renewables and EMF) E-7, Sub 1002	Proposed Total Fuel Rate (including renewables and EMF)
		A	B	C	D	E	F	G	H
		Exhibit 4	Workpaper 10	Line 28 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Exhibit 7, Page 2 cents/kwh	Exhibit 1 Schedule 2c, page 2 cents/kwh	E + F + G + H
1	Residential	21,143,695	$ 2,128,247,268	$ (7,725,670)	-0.36%	(0.0365)	(0.0707)	2.2584	2.1513
2	General Service/Lighting	12,112,846	$ 1,754,843,269	(6,377,450)	-0.36%	(0.0528)	(0.0509)	2.2786	2.1969
3	Industrial	12,276,269	$ 739,175,088	(2,683,252)	-0.36%	(0.0219)	(0.0379)	2.2912	2.2314
4	NC Retail	55,534,811	$ 4,634,265,629	$ (16,786,372)					

Total Proposed Composite Fuel Rate:

5	System Total Fuel Costs	Exhibit 2 Sch 2, Page 1	$ 1,858,991,903
6	Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 2, Page 2	17,130,224
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,841,861,679
8	Adjusted Test Period System MWh Sales for Fuel Factor	Exhibit 4	81,293,582
9	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,811
10	Allocation %	Line 8 / Line 9	68.31%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,258,175,908
12	NC Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 2, Page 2	12,302,413
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,270,477,716
14	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,811
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.2877
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	(0.0852)
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	(0.0142)
18	Total Proposed Composite Fuel Rate	Sum	2.1883

Total Current Composite Fuel Rate - Docket E-7 Sub 1002:

19	Current composite Fuel Rate cents/kWh	Supp Mc Manus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0555)
23	Current composite EMF Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	(0.0302)
27	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,811
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ (16,786,372)

Note: Rounding differences may occur

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Unit	Reference	MDC Rating (MW)	Hours In Year	Capacity Factor	Generation (MWH)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	B	D/(A*B)=C	D	E	D * E = F
1	Catawba 1	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.6534	58,319,292
2	Catawba 2	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.7078	63,176,699
3	McGuire 1	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.6585	58,779,784
4	McGuire 2	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.6627	59,152,119
5	Oconee 1	Workpaper 4	846	8,760	88.97%	6,593,531	0.6787	44,750,724
6	Oconee 2	Workpaper 4	846	8,760	88.97%	6,593,531	0.6964	45,915,668
7	Oconee 3	Workpaper 4	848	8,760	88.97%	6,593,531	0.6836	45,070,902
8	Total Nuclear		7,054		89.79%	55,483,638	0.6762	375,165,188
9	Coal					27,376,108	3.8023	1,040,933,166
1	Gas CT					755,750	3.4520	26,088,479
10	Gas CC					9,456,110	3.1557	298,403,910
11	Reagents					-		41,840,169
12	Total Fossil	Sum				37,587,968		1,407,265,724
13	Hydro					1,704,500		
14	Net Pumped Storage					(734,509)		
15	Total Hydro	Sum				969,991		
16	Total Generation	Line 8 + Line 12 + Line 15				94,041,596		1,782,430,912
17	Less Catawba Joint Owners					(14,413,319)		(97,458,972)
18	Net Generation	Sum				79,628,277		1,684,971,940
19	Purchases					9,448,043		336,257,185
20	JDA Savings Shared					-		8,791,208
21	Total Purchases					9,448,043		345,048,393
22	Total Generation and Purchases	Line 18 + Line 21				89,076,320		2,030,020,333
23	Adjustment to exclude cost of mitigation sales					(803,900)		(29,839,400)
24	Fuel expense recovered through intersystem sales					(1,683,858)		(66,967,909)
25	Line losses and Company use					(5,294,981)		-
26	System Fuel Expense for Fuel Factor							1,933,213,024
27	Projected System MWh Sales for Fuel Factor					81,293,582		81,293,582
28	Fuel and Fuel Related Costs cents/kWh							2.3781

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWH Sales	Exhibit 4	21,143,695	22,112,646	12,278,269	$5,534,611
	Calculation of Renewable Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity	Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jursidicational % based on Production Plant Allocator	Input				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Input	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0251	0.0206	0.0199	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.2810	2.3936	2.4195	
11	Purchased Power - Renewable and Cogeneration Capacity cents/kWh	Line 9	0.0251	0.0206	0.0199	
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.3061	2.4142	2.4394	
13	EMF Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)	
14	EMF Interest Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)	
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 3 Page 3	2.2615	2.2860	2.2975	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
NERC 5 Year Average Nuclear Capacity Factor of 88.79% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Rate Class	Adjusted Test Period MWH Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (Including renewables and EMF) E-7, Sub 1062	Proposed Total Fuel Rate (Including renewables and EMF)
		A	B	C	C / B = D	E	F	G	H
		Exhibit 4	Workpaper 19	Line 28 as a % of Column B	C / B	If D=0 then 0 If not then (C*100)/(A*1000)	Exhibit 7, Page 2 cents/kwh	Exhibit 1 Schedule 2c, page 2 cents/kwh	E + F + G = H
1	Residential	21,143,695	$ 2,128,247,266	$ 15,609,653	0.73%	0.0738	(0.0707)	2.2584	2.2615
2	General Service/Lighting	22,112,646	$ 1,756,843,260	$ 12,885,585	0.73%	0.0583	(0.0509)	2.2786	2.2860
3	Industrial	12,278,269	$ 739,175,088	$ 5,421,488	0.73%	0.0442	(0.0379)	2.2912	2.2975
4	NC Retail	55,534,611	$ 4,624,265,623	$ 33,916,727					

Total Proposed Composite Fuel Rate:

5	System Total Fuel Costs	Exhibit 2 Sch 3, Page 1	$ 1,933,213,024
6	Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 3, Page 2	17,130,224
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,916,082,800
8	Adjusted Test Period System MWH Sales for Fuel Factor	Exhibit 4	81,293,582
9	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
10	Allocation %	Line 8 / Line 9	68.31%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,308,876,181
12	NC Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 3, Page 2	12,302,419
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,321,178,574
14	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.3790
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	(0.0852)
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	(0.0142)
18	Total Proposed Composite Fuel Rate	Sum	2.2796

Total Current Composite Fuel Rate - Docket E-7 Sub 1001:

19	Current composite Fuel Rate cents/kWh	Supp Mc Manus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0555)
23	Current composite EMF Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	0.0611
27	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ 33,916,727

Note Rounding differences may occur

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Proposed Composite
Test Period Ended December 31, 2012
Docket E-7, Sub 1039

Line No.	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012			4,696,133	$ 19,638,596	$ 187,794	$ (423,273)	$ 19,403,116
2	February			4,471,304	$ 23,655,484	$ 134,844	$ (469,468)	$ 23,320,859
3	March			4,225,513	$ 24,585,301	$ 175,285	$ (358,714)	$ 24,401,871
4	April			4,010,671	$ 14,125,769	$ 175,371	$ (347,558)	$ 13,953,582
5	May[1]			4,082,258	$ (3,744,786)	$ 156,140	$ (311,282)	$ (3,899,928)
6	June			4,696,516	$ 285,688	$ 155,267	$ (372,323)	$ 68,632
7	July			5,356,807	$ (19,666,451)	$ 119,793	$ -	$ (19,546,658)
8	August			5,440,542	$ 4,397,805	$ 115,271	$ -	$ 4,513,076
9	September			4,959,528	$ 15,743,742	$ 141,367	$ -	$ 15,885,109
10	October			4,052,001	$ (2,870,169)	$ 183,651	$ -	$ (2,686,518)
11	November			4,169,014	$ (25,945,880)	$ 143,654	$ -	$ (25,802,226)
12	December			4,395,620	$ (2,399,967)	$ 95,536	$ -	$ (2,304,431)
				54,555,907	$ 47,805,133	$ 1,783,970	$ (2,282,619)	$ 47,306,484
13	Booked Over (Under) Recovery	January 2012 through December 2012						$ 47,306,484
14	Adjusted Test Period MWH Sales			Exhibit 4				55,534,611
15	Experience Modification Increment (Decrement) cents/KWh							(0.0852)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 7,884,411
20	EMF Interest Increment (Decrement)							(0.0142)

Notes:
[1] Prior period corrections not included in rate incurred but are included in over/(under) recovery total

Totals may not foot due to rounding

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Residential
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9757	2.3941	2,052,554	$ 8,587,317	$ 82,696	$ (185,001)	$ 8,485,012
2	February	1.8654	2.3941	1,785,443	$ 9,438,839	$ 55,007	$ (187,464)	$ 9,306,381
3	March	1.8137	2.3941	1,576,391	$ 9,149,599	$ 67,552	$ (133,824)	$ 9,083,328
4	April	2.0458	2.3941	1,252,705	$ 4,363,250	$ 58,610	$ (108,557)	$ 4,313,303
5	May(1)	2.4880	2.3941	1,320,093	$ (1,197,907)	$ 53,520	$ (100,660)	$ (1,245,048)
6	June	2.3891	2.3941	1,638,140	$ 81,288	$ 56,610	$ (129,866)	$ 8,032
7	July	2.7610	2.3941	2,159,210	$ (7,922,165)	$ 49,259	$ -	$ (7,872,906)
8	August	2.3132	2.3941	2,137,529	$ 1,730,239	$ 46,314	$ -	$ 1,776,553
9	September	2.0835	2.2944	1,773,808	$ 3,741,330	$ 52,198	$ -	$ 3,793,528
10	October	2.6980	2.1529	1,271,002	$ (6,927,371)	$ 61,013	$ -	$ (6,866,358)
11	November	3.0681	2.1517	1,428,843	$ (13,093,551)	$ 51,262	$ -	$ (13,042,289)
12	December	2.1338	2.1517	1,725,994	$ 309,292	$ 38,113	$ -	$ 347,404
13	Total Test Period			20,121,712	$ 8,260,159	$ 672,154	$ (845,373)	$ 8,086,940
14	Test Period Wtd Avg. ¢/kwh	2.2912	2.3321					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 8,086,940
16	Adjusted Test Period MWH Sales			Exhibit 4				21,143,695
17	Experience Modification Increment (Decrement) cents/KWh							(0.0382)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 1,347,823
20	EMF Interest Increment (Decrement)							(0.0064)

Notes:
(1) Prior period corrections not included in rate incurred but are included in over/(under) recovery total

Totals may not foot due to rounding.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - GS/Lighting
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9752	2.3931	1,772,833	$ 7,408,542	$ 70,835	$ (159,790)	$ 7,319,588
2	February	1.8643	2.3931	1,698,008	$ 8,979,856	$ 51,123	$ (178,284)	$ 8,852,696
3	March	1.8110	2.3931	1,673,313	$ 9,739,578	$ 68,901	$ (142,052)	$ 9,666,427
4	April	2.0398	2.3931	1,736,780	$ 6,136,815	$ 74,447	$ (150,506)	$ 6,060,756
5	May(1)	2.4841	2.3931	1,734,967	$ (1,586,902)	$ 65,261	$ (132,295)	$ (1,653,936)
6	June	2.3866	2.3931	1,957,034	$ 127,816	$ 63,790	$ (155,147)	$ 36,459
7	July	2.7603	2.3931	2,108,480	$ (7,742,783)	$ 46,840	$ -	$ (7,695,942)
8	August	2.3123	2.3931	2,162,678	$ 1,747,384	$ 45,484	$ -	$ 1,792,868
9	September	1.8993	2.3118	2,080,164	$ 8,581,691	$ 58,447	$ -	$ 8,640,139
10	October	2.0850	2.1964	1,757,762	$ 1,957,749	$ 78,146	$ -	$ 2,035,896
11	November	2.7306	2.1954	1,716,585	$ (9,186,739)	$ 58,448	$ -	$ (9,128,290)
12	December	2.2927	2.1954	1,717,661	$ (1,671,731)	$ 37,181	$ -	$ (1,634,551)
13	Total Test Period			22,116,267	$ 24,491,277	$ 718,904	$ (918,074)	$ 24,292,108
14	Test Period Wtd Avg. ¢/kwh	2.2283	2.3391					

15	Booked Over (Under) Recovery January 2012 to December 2012		$ 24,292,108
16	Adjusted Test Period MWH Sales	Exhibit 4	22,112,646
17	Experience Modification Increment (Decrement) cents/KWh		(0.1099)
16	Annual Interest Rate		10%
17	Monthly Interest Rate		0.83333%
18	Number of Months (July 2012 - February 2014)		20
19	Interest		$ 4,048,683
20	EMF Interest Increment (Decrement)		(0.0183)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Industrial
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Month	Fuel Cost Incurred c/kwh (a)	Fuel Cost Billed c/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9743	2.3926	870,747	$ 3,642,737	$ 34,263	$ (78,482)	$ 3,598,517
2	February	1.8625	2.3926	987,853	$ 5,236,789	$ 28,714	$ (103,720)	$ 5,161,782
3	March	1.8089	2.3926	975,808	$ 5,696,124	$ 38,831	$ (82,839)	$ 5,652,116
4	April	2.0376	2.3926	1,021,186	$ 3,625,704	$ 42,313	$ (88,494)	$ 3,579,523
5	May(1)	2.4827	2.3926	1,027,197	$ (959,977)	$ 37,359	$ (78,326)	$ (1,000,944)
6	June	2.3856	2.3926	1,101,342	$ 76,585	$ 34,867	$ (87,311)	$ 24,142
7	July	2.7600	2.3926	1,089,116	$ (4,001,503)	$ 23,693	$ -	$ (3,977,810)
8	August	2.3119	2.3926	1,140,335	$ 920,182	$ 23,472	$ -	$ 943,654
9	September	2.0128	2.3123	1,105,555	$ 3,420,721	$ 30,722	$ -	$ 3,451,443
10	October	2.0172	2.2224	1,023,236	$ 2,098,453	$ 44,491	$ -	$ 2,143,944
11	November	2.5796	2.2215	1,023,586	$ (3,665,590)	$ 33,944	$ -	$ (3,631,646)
12	December	2.3305	2.2215	951,965	$ (1,037,527)	$ 20,243	$ -	$ (1,017,284)
13	Total Test Period			12,317,928	$ 15,053,696	$ 392,912	$ (519,173)	$ 14,927,436
14	Test Period Wtd Avg. c/kwh	2.2222	2.3447					

15	Booked Over (Under) Recovery January 2012 to December 2012		$ 14,927,436
16	Adjusted Test Period MWH Sales	Exhibit 4	12,278,269
17	Experience Modification Increment (Decrement) cents/KWh		(0.1216)
16	Annual Interest Rate		10%
17	Monthly Interest Rate		0.83333%
18	Number of Months (July 2012 - February 2014)		20
19	Interest		$ 2,487,905
20	EMF Interest Increment (Decrement)		(0.0203)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Sales, Fuel Revenue, Fuel Expense and System Peak
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Description	Reference	Total Company	North Carolina Retail	North Carolina Residential	North Carolina General Service/Lighting	North Carolina Industrial
1	Test Period MWH Sales (excluding inter system sales)	Workpaper 19	79,868,568	54,555,907	20,121,712	22,116,267	12,317,928
2	Customer Growth MWH Adjustment	Workpaper 21	(30,932)	(47,556)	46,063	(76,154)	(17,466)
3	Weather MWH Adjustment	Workpaper 20	1,455,945	1,026,260	975,920	72,533	(22,193)
4	Total Adjusted MWH Sales	Sum	81,293,582	55,534,611	21,143,695	22,112,646	12,278,269
5	Test Period Fuel and Fuel Related Revenue *		$ 1,872,319,831	$ 1,275,399,739			
6	Test Period Fuel and Fuel Related Expense *		$ 1,757,881,194	$ 1,227,594,608			
7	Test Period Unadjusted Over/(Under) Recovery		$ 114,438,637	$ 47,805,131			

		Summer Coincidental Peak (CP) KW
8	Total System Peak	17,051,270
9	NC Retail	11,985,789
10	NC Residential Peak	5,588,503
11	NC General Service/Lighting Peak	4,371,590
12	NC Industrial Peak	2,025,696

* Total Company Fuel and Fuel Related Revenue and Fuel and Fuel Related Expense are determined based upon the fuel and fuel related cost recovery mechanisms in each of the company's jurisdictions.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Nuclear Capacity Ratings
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Unit	Rate Case Docket E-7, Sub 989	Fuel Docket E-7, Sub 1002	Proposed Capacity Rating MW
Oconee Unit 1	846	846	846
Oconee Unit 2	846	846	846
Oconee Unit 3	846	846	846
McGuire Unit 1 [1]	1,100	1,100	1,129
McGuire Unit 2 [1]	1,100	1,100	1,129
Catawba Unit 1	1,129	1,129	1,129
Catawba Unit 2	1,129	1,129	1,129
Total Company	6,996	6,996	7,054

[1] As of 12/31/2012 – includes capacity increases associated to low pressure turbine upgrades.

Schedule 1

DUKE ENERGY CAROLINAS
SUMMARY OF MONTHLY FUEL REPORT
NCUC R8-52

Docket No. E-7, Sub 1003

Line No.	Fuel Expenses:	December 2012	12 Months Ended December 2012
1	Fuel and fuel-related costs	$ 154,308,247	$ 1,838,815,457
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	10,131,389	39,092,889
3	Total fuel and fuel-related costs (line 1 minus line 2)	$ 144,176,858	$ 1,797,722,568
	MWH sales:		
4	Total system sales	6,738,544	81,010,541
5	Less intersystem sales	295,729	1,141,973
6	Total sales less intersystem sales	6,442,815	79,868,568
7	Total fuel and fuel-related costs (¢/KWH) (line 3/line 6)	2.2378	2.2509
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2c Total)	2.1839	
	Generation Mix (MWH):		
	Fossil (by primary fuel type):		
9	Coal	2,576,425	27,969,378
10	Biomass	126	1,365
11	Fuel Oil	(12)	6,885
12	Natural Gas - Combustion Turbine	6,646	918,328
13	Natural Gas - Combined Cycle	569,988	4,416,878
14	Total fossil	3,153,173	33,312,812
15	Nuclear 100%	4,491,871	56,444,931
16	Hydro - Conventional	83,306	1,400,604
17	Hydro - Pumped storage	(61,666)	(641,599)
18	Total hydro	21,640	759,005
19	Solar Distributed Generation	643	10,479
20	Total MWH generation	7,667,327	90,527,227
21	Less joint owners' portion	742,049	14,441,479
22	Adjusted total MWH generation	6,925,278	76,085,748
	(a) Line 2 includes:		
	Fuel from intersystem sales (Schedule 3)	$ 10,120,906	$ 38,950,061
	Fuel-related costs recovered in off-system sales	-	11,579
	Fuel in loss compensation	10,483	131,249
	Total fuel recovered from intersystem sales	$ 10,131,389	$ 39,092,889

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2
Page 1 of 2

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
NCUC R8-52

Docket No. E-7, Sub 1003

Fuel and fuel-related costs:	December 2012	12 Months Ended December 2012
Steam Generation - FERC Account 501		
0501016 coal blending merger savings	$ 1,280,522	$ 8,009,615
0501016 coal procurement merger savings	(217,186)	(774,414)
0501016 transportation merger savings	6,683	18,030
0501110 coal consumed - steam	89,547,048	1,054,162,590
0501222-0501223 biomass/test fuel consumed	6,885	74,783
0501310 fuel oil consumed - steam	1,728,401	21,523,259
0501330 fuel oil light-off - steam	1,252,714	21,726,282
Total Steam Generation - Account 501	93,585,065	1,102,738,145
Reagents (lime, limestone, ammonia, urea, dibasic acid, and sorbents)	3,340,371	24,947,678
0502160 reagent procurement merger savings	(32,242)	(110,273)
Net proceeds from sale of by-products	465,649	4,185,977
Nuclear Generation - FERC Account 518		
0518100 burnup of owned fuel	22,319,965	270,643,815
0518600 nuclear fuel disposal cost	4,224,676	53,141,510
Total Nuclear Generation - 100%	26,544,641	323,785,325
Less joint owners' portion	4,427,286	80,745,553
Total Nuclear Generation - Account 518	22,117,355	243,039,772
Other Generation - FERC Account 547		
0547100 natural gas consumed - Combustion Turbine	394,641	29,840,791
0547101 natural gas consumed - Combined Cycle	17,388,713	112,152,561
0547123 gas capacity merger savings	-626,518	1,946,781
0547200 fuel oil consumed - Combustion Turbine	2,673	1,625,100
Total Other Generation - Account 547	16,812,545	145,565,233
Total fossil and nuclear fuel expenses included in base fuel component	136,086,743	1,520,366,532
Fuel component of purchased and interchange power	9,126,282	179,883,461
Fuel related component of purchased power (economic)	4,495,772	93,984,368
Fuel related component of purchased power (renewables)	2,597,450	42,581,098
Total fuel and fuel-related costs	$ 154,306,247	$ 1,836,815,457

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2
Page 2 of 2

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
NCUC R8-52

Docket No. E-7, Sub 1003

Other fuel expenses not included in fuel and fuel-related costs:	December 2012	12 Months Ended December 2012
0501223 biomass excess above avoided cost	$ 1,124	$ 19,429
0501224 North Carolina incremental renewable fuel	(3,380)	(18,267)
0509000, 0557451 emissions allowance expense	2,557	51,729
0509213 RECs consumption expense	-	955,998
0518810 spent fuel canisters-accrual	-	2,348,911
0518620 canister design expense	67,234	590,812
0518700 fuel cycle study costs	-	235,885
0547127 gas desk merger savings	13,802	88,185
0411822, 0411832, 0411875 emission allowance gains	(986,432)	(11,105,504)
Purchased and Interchanged power not included in fuel and fuel-related costs	2,710,622	49,254,175
Total other fuel expenses not included in fuel and fuel-related costs:	$ 1,805,527	$ 42,421,331
Total FERC Account 501 - Total Steam Generation	93,582,809	1,102,738,307
Total FERC Account 518 - Total Nuclear Generation	22,184,589	248,215,380
Total FERC Account 547 - Other Generation	18,812,545	145,585,233
Total RECs consumption expense	-	955,998
Total Reagents Expense	3,308,129	24,837,405
Total Gain/Loss from Sale of By-Products	485,649	4,185,977
Total Emission Allowance Expense	2,557	51,729
Total Gain/Loss from Sale of Emission Allowances	(986,432)	(11,105,504)
Total Purchased and Interchanged Power Expenses	18,930,126	365,703,100
Total Merger Savings Excluded from Fuel Recovery	13,802	88,185
Total Fuel, Fuel Related and Purchased Power Expenses	$ 156,113,774	$ 1,879,236,788

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY CAROLINAS
PURCHASED POWER AND INTERCHANGE
NDUO-R3-63

DECEMBER 2012

Schedule 3, NC, Purchases, Month
Page 1 of 4

Purchased Power Economic	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Fuel-related $	Net Fuel $ Net Fuel-related $
Alcoa Power Generating Inc.	$ 38,000	-	-	1,300	$ 24,379	$ 19,684	-
Blue Ridge Electric Membership Corp. - Economic	934,817	10	$ 184,350	11,012	207,886	132,782	-
Cherokee County Cogeneration Partners	4,047,044	-	1,110,788	66,282	2,054,817	931,738	-
City of Kings Mtn	8,979	2	8,979	-	-	-	-
Constellation	13,602	-	-	625	8,409	4,086	-
DE Progress - Native Load Transfer	5,794,081	-	-	384,080	4,181,818	1,607,908	$ (4,625)
DE Progress - Native Load Transfer Savings	439,811	-	-	-	439,811	-	-
EDF Trading North America, LLC	1,372	-	-	49	837	535	-
Haywood Electric - Economic	98,782	9	52,220	1,391	38,673	16,888	-
Lockhart Power Co.	19,272	7	19,272	-	-	-	-
NCEMC - Economic	-	-	-	-	(12)	12	-
NCMPA - Economic	125,825	-	-	8,379	72,302	53,523	-
NCMPA Load Following - Economic	1,347,049	-	-	44,863	775,842	571,504	-
Piedmont Electric Membership Corp. - Economic	333,051	12	116,436	7,976	133,116	86,105	-
PJM Interconnection LLC	2,479,230	-	-	88,321	1,612,330	866,900	-
Rutherford Electric Membership Corp. - Economic	490,189	-	-	18,058	409,837	61,392	-
Southern	(9,776)	-	-	343	(4,133)	(2,843)	-
Town of Dallas	584	-	584	-	-	-	-
Town of Forest City	19,858	7	19,858	-	-	-	-
TVA	189,980	-	-	5,580	96,045	91,176	-
	$ 16,838,918	44	$ 1,511,279	433,864	$ 9,844,360	$ 4,494,773	$ (4,625)

Purchased Power Renewables	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Fuel-related $	Net Fuel $ Net Fuel-related $
Cargill Power Marketing	$ 1,513,395			25,870		$ 1,513,395	
City of Charlotte	1,893			34		1,893	
Concord Energy, LLC	211,837			2,091		211,837	
Davidson Gas Producers, LLC	79,888			1,149		79,888	
Dixon Dairy Road, LLC	38,953			612		38,953	
Durham Landfill Electricity, LLC	102,081			1,760		102,081	
Gas Recovery Systems, LLC	123,271			1,835		123,271	
Gaston County	122,888			1,988		122,888	
Greenville Gas Producer, LLC	80,213			1,843		80,213	
Lockhart - Lower Pacolet Hydro	15,020			221		15,020	
Lockhart Power Company	87,148			1,848		87,148	
Lynwood Solar, LLC	623			13		623	
Nypro, Inc.	1,058			21		1,058	
Reeves B. Passes	1,134			22		1,134	
Sun Edison, LLC	128,189			1,881		128,189	
Tenaska Machinery Company	851			19		851	
Wal Renewable Energy, LLC	111,908			1,880		111,908	
	$ 2,387,488	-	$ -	43,659	$ -	$ 2,387,488	$ -

Purchased Power Other	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Fuel-related $	Net Fuel $ Net Fuel-related $
Blue Ridge Electric Membership Corp	$ 1,432,308	46	$ 888,277	20,998	$ 448,579	$ 297,062	
City of Concord	2,227	-	223	44	-	1,894	
Haywood Electric	378,408	12	148,430	7,430	138,482	89,610	
Piedmont Electric Membership Corp	700,488	20	336,101	14,880	228,179	145,888	
DE Progress - Fees	83,833	-	-	-	-	83,833	
Generation Imbalance	234,222	-	-	8,048	180,883	103,539	
Energy Imbalance - Purchases	170,727	-	-	(3,204)	184,180	98,547	
Energy Imbalance - Sales	(235,502)	-	-	-	(182,377)	(53,315)	
Other Qualifying Facilities	865,863	-	-	13,908		865,863	
	$ 3,631,798	78	$ 1,171,848	78,884	$ 998,848	$ -	$ 1,373,538
TOTAL PURCHASED POWER	$ 21,878,149	194	$ 2,683,539	883,383	$ 10,734,868	$ 7,883,222	$ 1,368,891
INTERCHANGES IN							
Other Catawba Joint Owners	4,144,278	-	-	287,613	2,113,029		2,031,253
Total Interchange In	4,144,278	-	-	287,613	2,113,029		2,031,253
INTERCHANGES OUT							
Other Catawba Joint Owners	(6,881,568)	(558)	(134,209)	(938,887)	(3,530,914)		(3,199,488)
Catawba- Net Negative Generation	(239,727)	-	-	(8,770)	(190,184)		(40,845)
Total Interchange Out	(7,097,319)	(558)	(134,209)	(947,657)	(3,721,098)		(3,237,008)
Net Purchases and Interchange Power	$ 18,920,128	(722)	$ 2,549,310	223,079	$ 9,126,222	$ 7,883,223	$ 132,886

NOTE Detail amounts may not add to totals shown due to rounding
As of December 2012, non-fuel costs related to mitigation losses and sharing of mitigation loss margins are no longer presented on this report.

DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
NCUC-R8-52

DECEMBER 2012

Schedule 3, NC, Sales, Month
Page 2 of 4

SALES	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:						
Constellation Power Sources	$ 2,100	-	-	50	$ 1,862	$ 238
NCMPA	133,691	50	$ 87,500	1,030	31,953	14,438
PJM Interconnection LLC	40,171	-	-	829	30,482	9,689
Southern	-	-	-	-	(223)	223
The Energy Authority	70,760	-	-	995	41,942	28,818
Other:						
Cargill-Alliant, LLC - Mitigation sales	1,996,312	-	(695,000)	103,400	3,360,218	(668,906)
DE Progress - Native Load Transfer Savings	406,814	-	-	-	406,814	-
DE Progress - Native Load Transfer	6,444,056	-	-	182,222	6,045,532	398,524
DE Progress - Off System Sales/PJM Share	1,728	-	-	11	424	1,304
DE Progress - Purchases	137,842	-	-	5,722	137,842	-
Generation Imbalance	64,353	-	-	1,470	44,060	20,293
BPM Transmission	(13,778)	-	-			(13,778)
Total Intersystem Sales	$ 9,288,349	50	$ (607,500)	295,729	$ 10,126,908	$ (237,167)

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding

DUKE ENERGY CAROLINAS
PURCHASED POWER AND INTERCHANGE
[illegible]

Twelve Months Ended
DECEMBER 2012

Schedule 3, NC Purchases, 1[illegible]
Page 3 of 4

Purchased Power	Total	Capacity		Non-capacity			
Borderline	$	MW	$	MWH	Fuel $	Fuel-related $	Net Fuel $ / Net Fuel-related $
Alcoa Power Generating Inc	$ 6,279,894	-	-	224,354	$ 5,830,846	$ 2,449,038	
American Electric Power Serv Corp	18,838	-	-	309	11,528	7,371	
Associated Electric Cooperative Inc	833,160	-	-	25,840	423,840	278,348	
Blue Ridge Electric Membership Corp - Economic	8,487,253	19	$ 2,212,250	120,909	1,982,532	1,287,520	
Calpine Power Services Marketing	1,170,376	-	-	45,488	717,288	438,788	
Cargill Power Marketing LLC	3,358,311	-	-	118,889	1,837,889	1,270,742	
Cleveland County Cogeneration Partners	47,759,829	-	11,213,809	883,889	15,878,748	20,668,488	
Citigroup Energy	21,880	-	-	800	12,832	8,288	
City of Kings Mtn	107,748	3	107,748	-	-	-	
Constellation	33,704,413	-	-	1,080,322	17,808,891	11,194,722	
DE Progress - Native Load Transfer	77,576,847	-	-	2,188,084	60,867,187	12,800,488	$ 4,628,281
DE Progress - Native Load Transfer prior period correctn	-	-	-	-	-	3,158,588	(3,158,588)
DE Progress - Native Load Transfer Savings	3,988,802	-	-	-	3,988,802	-	
Eagle Energy Partners	287,184	-	-	8,888	182,882	104,302	
EDF Trading North America LLC	3,181,081	-	-	118,975	1,948,581	1,344,520	
Haywood Electric - Economic	1,308,931	8	604,883	21,089	388,884	235,704	
J Aron & Company	2,716,403	-	-	103,343	1,837,088	1,088,387	
Lockhart Power Co	231,284	7	231,284	-	-	-	
MEIC	388	-	-	-	183	118	
Morgan Stanley Capital Group	3,137,888	-	-	118,830	1,807,883	1,218,848	
NCEMC	887,138	-	-	23,380	487,084	380,040	
NCMPA	7,947,204	-	-	388,818	4,388,382	3,880,823	
NCMPA Load Following	19,180,782	-	-	880,088	10,833,888	8,888,803	
Oglethorpe Power	44,350	-	-	2,818	27,283	17,287	
Piedmont Electric Membership Corp. - Economic	3,488,974	13	1,388,180	77,348	1,388,038	808,788	
PJM Interconnection LLC	48,734,881	-	-	1,888,482	26,808,328	18,238,831	
Rutherford Electric Membership Corp - Economic	3,388,883	-	-	123,700	2,781,318	618,434	
Southern	3,838,857	-	-	122,818	2,161,231	1,378,378	
The Energy Authority	3,247,822	-	-	123,488	1,881,171	1,388,891	
Town of Dallas	7,008	-	7,008	-	-	-	
Town of Forest City	238,272	7	238,272	-	-	-	
TVA	4,488,418	-	-	218,738	2,738,088	1,749,311	
Wester Energy Inc.	48,388	-	-	2,188	28,743	19,088	
	$ 3,178,813,371	58	$ 13,888,888	8,488,888	$ 184,848,818	$ 80,848,888	$ 1,778,888

Purchased Power	Total	Capacity		Non-capacity			
Renewables	$	MW	$	MWH	Fuel $	Fuel-related $	Net Fuel $ / Net Fuel-related $
Astore Concepts, LLC	$ 8,722			108		$ 8,722	
Cargill Power Marketing	29,487,443			803,848		29,487,443	
City of Charlotte	38,213			408		38,213	
Consent Energy, LLC	1,813,738			28,848		1,813,738	
Davidson Gas Producers, LLC	934,828			13,287		934,828	
Dixon Dairy Road, LLC	881,818			7,088		881,818	
Dutchman Landfill Electricity, LLC	1,214,882			20,848		1,214,882	
Gas Recovery Systems, LLC	1,837,488			28,438		1,837,488	
Gaston County	1,387,325			21,718		1,387,325	
Greenville Gas Producer, LLC	1,128,828			30,888		1,128,828	
Lockhart - Lower Pacolet Hydro	27,884			412		27,884	
Lockhart Power Company	888,803			18,214		888,803	
Lyssand Solar, LLC	4,838			88		4,838	
Nypro, Inc	18,880			283		18,880	
Renato B. Parsons	48,380			742		48,380	
Sun Edison, LLC	2,082,418			30,418		2,082,418	
Tenaska Machinery Company	18,183			223		18,183	
Wilt Renewable Energy LLC	1,318,381			18,881		1,318,381	
	$ 42,881,888	-	$ -	788,888	$ -	$ 42,881,888	$ -

Purchased Power	Total	Capacity		Non-capacity			
Others	$	MW	$	MWH	Fuel $	Fuel-related $	Net Fuel $ / Net Fuel-related $
NC Public Service Authority - Emergency	$ 5,181	-	-	100	$ 3,181		$ 2,838
Blue Ridge Electric Membership Corp	17,003,744	48	$ 7,722,834	383,818	8,808,711		3,818,803
City of Concord	67,748	-	19,488	1,088	-		48,280
Haywood Electric	4,348,333	12	1,772,347	88,484	1,872,821		1,808,884
NCEMC Load Following	-	-	-	-	(442)		442
Piedmont Electric Membership Corp	8,338,088	20	3,883,878	178,488	2,834,141		1,811,881
DE Progress - Fees	188,838	-	-	-	-		188,838
Generation Interference	3,118,838	-	-	88,833	1,838,711		1,281,377
Energy Imbalance - Purchases	3,218,821	-	-	38,881	1,348,120		881,811
Energy Imbalance - Sales	(1,138,888)	-	-	-	(848,848)		(478,842)
Other Qualifying Facilities	9,438,814	-	-	171,841	-		9,438,814
	$ 43,878,188	78	$ 13,188,128	807,888	$ 13,888,877	$ -	$ 17,778,438
TOTAL PURCHASED POWER	$ 884,887,808	134	$ 88,187,848	9,704,881	$ 178,883,888	$ 188,888,484	$ 18,383,188
INTERCHANGES IN							
Other Catawba Joint Owners	78,888,847	-	-	7,287,223	31,088,888		38,838,488
Total Interchanges In	78,888,847	-	-	7,287,223	31,088,888	-	38,838,488
INTERCHANGES OUT							
Other Catawba Joint Owners	(88,881,880)	(888)	(1,884,884)	(7,037,188)	(30,274,981)		(37,882,808)
Catawba- Net Negative Generation	(178,182)	-	-	(88,488)	(480,848)		(114,218)
Total Interchanges Out	(88,888,828)	(888)	(1,884,884)	(7,088,884)	(30,788,808)	-	(37,188,818)
Net Purchases and Interchange Power	$ 888,788,188	(788)	$ 87,818,488	8,827,888	$ 178,883,481	$ 188,888,484	$ 21,848,788

NOTES: Output amounts may not add to totals shown due to rounding.
Capacity MW amounts varied within the range of time indicated.
The amounts shown represent the capacity offtakes as of the period end date.
As of December 2012, non-fuel costs related to mitigation losses and sharing of mitigation loss margins are no longer presented on this report.

DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
NCUC-RII-52

Twelve Months Ended DECEMBER 2012

Schedule 3, NC, Sales, 12ME
Page 4 of 4

SALES	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:						
Progress Energy Carolinas - Emergency	$ 11,711	-	-	320	$ 10,971	$ 740
SC Public Service Authority - Emergency	130,644	-	-	2,758	102,834	27,810
SC Electric & Gas - Emergency	25,183	-	-	417	15,424	9,759
Market Based:						
American Electric Power Services Corp.	5,625	-	-	75	2,989	2,636
Cargill-Alliant, LLC	30,506	-	-	542	24,079	6,427
Cobb Electric Membership Corp	-	-	-	-	(9,268)	9,268
Constellation Power Sources	(289,039)	-	-	(7,914)	6,009	(295,048)
EDF Trading North America, LLC	27,465	-	-	454	25,181	2,284
MISO	77,032	-	-	1,200	121,897	(44,865)
Morgan Stanley	29,211	-	-	544	22,999	6,212
NCEMC (Generator/Instantaneous)	11,250	-	-	150	5,241	6,009
NCMPA #1	1,510,541	50	$ 1,038,380	9,888	388,702	83,459
Oglethorpe	11,666	-	-	222	8,325	3,341
PJM Interconnection LLC	10,513,635	-	-	176,779	6,967,112	3,626,523
SC Electric & Gas Market based	1,173,615	-	-	14,536	613,203	560,412
Southern	92,780	-	-	1,455	71,347	21,433
The Energy Authority	937,435	-	-	15,180	643,302	294,133
TVA	267,180	-	-	4,381	191,211	65,969
Other:						
Cargill-Alliant, LLC - Mitigation sales	10,193,130	-	(16,936)	421,592	13,915,967	(3,705,902)
DE Progress - Native Load Transfer Savings	546,583	-	-	-	546,583	-
DE Progress - Native Load Transfer	10,177,437	-	-	282,360	9,588,985	588,452
DE Progress - Off System Sales/PJM Share	2,089,921	-	-	125	6,148	2,083,773
DE Progress - Purchases	5,334,092	-	-	207,457	5,334,092	-
Generation Imbalance	430,731	-	-	9,502	326,728	104,003
BPM Transmission	(1,489,018)	-	-		-	(1,489,018)
Total Intersystem Sales	$ 41,838,316	50	$ 1,021,444	1,141,973	$ 38,850,061	$ 1,967,810

* Sales for resale other than native load priority

NOTES: Detail amounts may not add to totals shown due to rounding.
Capacity MW amounts varied across the range of time indicated.
The amounts shown represent the capacity effective December 31, 2012.

Duke Energy Carolinas
Over / (Under) Recovery of Fuel Costs
December 2012
NCUC R8-52

Schedule 4

Line No			Residential	Commercial	Industrial	Total
1	N.C. Retail kWh sales	Input	1,725 993,659	1,717,681,336	951,085,307	4 395,820,302
2	Approved fuel and fuel related rates (¢/kWh)					
	2a Billed rates by class (¢/kWh)	Input	2.2224	2.2463	2.2594	
	2b Merger fuel savings decrement	Input	(0.0707)	(0.0509)	(0.0378)	
	2c Net billed rates by class (¢/kWh)	L2a + L2b	2.1517	2.1954	2.2215	2 1839
	2d Billed fuel expense	L1 * L2c / 100	$37,138,206	$37,709,537	$21,147,909	$95 995,652
3	Total system kWh sales	Input				6 442,815,299
4	NC kWh sales %	L1 T / L3				68.23%
5	Incurred base fuel and fuel related (¢/kWh) (less renewable purchased power capacity)					
	5a Docket E-7, Sub 1002 allocation factor	Input	37.41%	40.03%	22.56%	100.00%
	5b System incurred expense	Input				$143,795,065
	5c Incurred base fuel rates (¢/kWh)	(L4 * L5b) *L5a / L1 * 100	2.1265	2.2863	2.3349	2.2319
	6d NC incurred expense by class	L5c* L1 / 100	$36 703,134	$39,270,869	$22,131,211	$98 105,011
6	Incurred renewable purchased power capacity rates (¢/kWh)					
	6a NC retail production plant %	Input				76.30%
	6b Production plant allocation factors	Input	43.26%	38.08%	18.66%	100.00%
	6c System incurred expense	Input				$380,893
	6d Incurred renewable capacity rates (¢/kWh)	(L6a * L6c) * L6b / L1 * 100	0.0073	0.0064	0.0057	0.0066
	6e NC incurred renewable capacity expense	L6d * L1 / 100	$125,780	$110,802	$54,228	$290,809
7	Total incurred rates by class (¢/kWh)	L5c + 6d	2.1338	2.2927	2.3306	2 2385
8	Difference in (¢/kWh (billed - incurred)	L2c - L7	0.0179	(0.0973)	(0.1090)	(0.0546)
9	Over / (under) recovery	L8 * L1 / 100	$308,292	($1,671,731)	($1,037,526)	($2,399,967)
10	Prior period adjustments	Input				
11	Total over / (under) recovery	L9 + L10	$309,292	($1,671,731)	($1,037,526)	($2,399,967)
12	Total system incurred expense	L5b + L6c				$144,176,958
13	Over / (under) recovery for each month of the current calendar year					

		Over / (Under) Recovery				
	Year 2012	Total To Date	Residential	Commercial	Industrial	Total Company
	January	$19,638,597	$8,587,318	$7,408,542	$3,642,737	$19,638,597
	February	43,294,079	9,438,838	8,979,836	5,236,788	23,655,482
	March	67,679 379	9 149,599	8,739,577	6,698,124	24,585 300
	April	82,005 147	4 353,250	5,136,814	3,625,704	14,125 768
/1	May	78,260 381	(1,197,907)	(1,599,802)	(969,977)	(3,744,786)
	June	78 546,051	81,269	127,818	76,565	285 690
	July	58,578 600	(7,922,166)	(7,742,783)	(4,001,503)	(19 666 451)
	August	63,277,405	1,730,239	1,747,384	820,182	4 307,805
/2	September	79,021,147	3 741,329	8,581,891	3,420,722	15,743,742
/2	October	76 150 978	(0,927,371)	1,957,749	2,099,453	(2,870 169)
	November	50,205 097	(13,093,551)	(9,166,730)	(3,685,501)	(25 945,861)
	December	847,905 130	$308,292	($1,671,731)	($1,037,526)	($2 399 967)

Notes:
Detail amounts may not recalculate due to percentages presented as rounded
/1 Includes prior period adjustments.
/2 Reflects a prorated rate for periods in which the approved rates change.

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
December 2012

Description	Allen Steam	Buck Combustion Turbine	Buck Steam	Dan River Combined Cycle	Dan River Steam	Lee Steam	Lee Combustion Turbine	Lincolnton CT	Marshall Steam	Mill Creek Steam	Mill Creek CT	Rockingham CT	Rockingham Steam	Current Month	Total 12 MS December 2012
Cost of Fuel Received															
Coal (A)	[illegible]	[illegible]	-		[illegible]	[illegible]	30		[illegible]				30	[illegible]	[illegible]
Biomass							-						-		4,309
Fuel Oil	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
Gas - CT			[illegible]				[illegible]	[illegible]		[illegible]	-	[illegible]		[illegible]	[illegible]
Gas - CC				[illegible]	[illegible]									[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Burned (MBtu/Unit) Avg															
Coal (A)	[illegible]	[illegible]			[illegible]		-		[illegible]					[illegible]	[illegible]
Biomass	-	-			-		-	-	-					-	[illegible]
Fuel Oil	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
Gas - CT			-				[illegible]	[illegible]		[illegible]		[illegible]	-	[illegible]	[illegible]
Gas - CC				[illegible]	[illegible]									[illegible]	[illegible]
Weighted Average	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cost of Fuel Burned ($/MBtu)															
Coal (B)	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	30		[illegible]				[illegible]	[illegible]	[illegible]
Biomass (B)			[illegible]				-							[illegible]	[illegible]
Fuel Oil (B)	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
Gas - CT			[illegible]				[illegible]	[illegible]		[illegible]		[illegible]		[illegible]	[illegible]
Gas - CC				[illegible]										[illegible]	[illegible]
Market					[illegible]				[illegible]		[illegible]			[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Burned (MBtu/Unit) Avg															
Coal	[illegible]	[illegible]	[illegible]		[illegible]		-		[illegible]				[illegible]	[illegible]	[illegible]
Biomass	-	-	[illegible]		-		-	-	-				-	-	[illegible]
Fuel Oil	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
Gas - CT			-				[illegible]	[illegible]		[illegible]		[illegible]	-	[illegible]	[illegible]
Gas - CC				[illegible]	[illegible]									[illegible]	[illegible]
Market					[illegible]				[illegible]		[illegible]			[illegible]	[illegible]
Weighted Average	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Generated (MWh) Avg															
Coal	[illegible]	[illegible]	[illegible]		[illegible]	[illegible]	[illegible]		[illegible]				[illegible]	[illegible]	[illegible]
Biomass	-	-	[illegible]		-	-	-		-				-	-	[illegible]
Fuel Oil	-	-	-		-	[illegible]	[illegible]		-				-	[illegible]	[illegible]
Gas - CT			-			[illegible]	[illegible]				[illegible]		-	[illegible]	[illegible]
Gas - CC				[illegible]	[illegible]									[illegible]	[illegible]
Market										[illegible]		[illegible]		[illegible]	[illegible]
Weighted Average	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Generated (MBtu)															
Coal	[illegible]	[illegible]	[illegible]		[illegible]		-		[illegible]				[illegible]	[illegible]	[illegible]
Biomass	-	[illegible]					-	-						[illegible]	[illegible]
Fuel Oil	[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]	[illegible]
Gas - CT			-				[illegible]	[illegible]					-	[illegible]	[illegible]
Gas - CC				[illegible]		[illegible]								[illegible]	[illegible]
Market									[illegible]		[illegible]			[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Net Generation (MWh)															
Coal	[illegible]	[illegible]	[illegible]		[illegible]		(770)		[illegible]				[illegible]	[illegible]	[illegible]
Biomass	-	-	[illegible]		-		-							[illegible]	[illegible]
Fuel Oil	-	-	-		-	-	[illegible]	[illegible]	-				-	(12)	[illegible]
Gas - CT			-				[illegible]	[illegible]			[illegible]		-	[illegible]	[illegible]
Gas - CC				[illegible]		[illegible]								[illegible]	[illegible]
Market MWh					[illegible]					[illegible]		[illegible]		[illegible]	[illegible]
Hydro (Total Backed)														[illegible]	[illegible]
Solar (Total Backed)														[illegible]	[illegible]
Total	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Cost of Reagents Consumed (D)															
Ammonia	-	[illegible]	-	[illegible]			[illegible]						-	[illegible]	[illegible]
Limestone (E)	[illegible]	[illegible]	-		[illegible]				[illegible]				-	[illegible]	[illegible]
Urea	[illegible]	-	-	-			-		[illegible]				-	[illegible]	[illegible]
Organic Acid		-	-	-			-						-		
Sorbents	[illegible]	-	-	-			-						-	[illegible]	[illegible]
Total	[illegible]	[illegible]	-	[illegible]	[illegible]		[illegible]		[illegible]				-	[illegible]	[illegible]

(A) Coal reports exclude [illegible] tons and [illegible] associated with transfers for the current month.
(B) Cost of coal received includes a transfer of inventory from Dan River to Belews Creek valued at [illegible] in the current month and [illegible] for the twelve months ended.
(C) Cost of the coal inventory transfer between Dan River to Belews Creek rails to zero in the current month with the exception of the [illegible] cost of freight expended to ship of coal received at Belews Creek.
(D) Consumables not accounted when costs and/or net generation is negative.
(E) Cost of fuel burned includes [illegible] associated with sorbent alkalinity expense for the month and [illegible] for the twelve months ended.
(F) The current month and twelve months ended data includes an [illegible] adjustment recorded in Dec 2012.
(G) Cost of coal burned includes a [illegible] reduction in consumption expense at Dan River Station following a true-up to physical inventory.
(H) Cost of reagents burned is reported at book cost prior to the reallocation of fuel expense equivalents to NC economic energy sales in -[illegible] for the month and -[illegible] for the twelve months ended.
(I) Cost of coal oil burned excludes [illegible] in shared fuel costs for sorbs alkalinity generation for the month and [illegible] for the twelve months ended.
(J) The following CT units were retired October 1, 2012: Buck units 7, 8, 9, 10; Dan River units 4, 5, 6, 9; Riverbend units 8, 9, 10, 6-11, and Buzzard Point units 9, 7, 8, 9, 10, 11, 12, 13, 14, 6-10.
(K) Cliffside unit 6 was placed in service December 30, 2012.
(L) Dan River coal units 1, 2, & 3 were retired April 1, 2012. Dan River combined cycle plant was placed in service December 30, 2012.
Blanks:
Detail amounts may not add to totals shown due to rounding.
Fuel and information on this report does not reflect intercompany sharing of fuel-related margin savings between Duke Energy Carolinas and Progress Energy Carolinas.
Fuel costs based on recoverability unless otherwise noted. Data released at 100% recoverable.

Schedule 6

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT
December 2012

Description	Allen Steam	Belews Creek Steam	(G) Buck Steam/CT	Buck Oil/CC	(H) Cliffside Steam	(G), (I) Dan River Gas/CC	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	(G) Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 Mo December 2012
Coal Data:														
Beginning balance	760,008	1,845,337	63,262		591,147	-	130,167		1,261,389		160,980		4,767,889	4,130,389
Tons received during period	88,838	395,278	-		79,170	-	-		325,833		-		890,629	11,336,466
Inventory adjustments (A)	139	848	204		1,180	-	-		(3,948)		-		(972)	(30,216)
Tons burned during period (B)	23,723	490,848	6,082		49,838	-	-		323,476		8,497		922,371	10,700,136
Ending balance (C)	827,260	1,750,692	57,384		631,549	-	130,167		1,261,100		157,083		4,745,471	4,745,471
MBTUs per ton burned	23.37	24.95	23.57		30.58	-	-		29.07		24.82		26.62	24.80
Cost of ending inventory ($/ton) (C)	100.75	98.63	109.21		102.41	-	88.89		100.21		181.85		109.38	100.38
Biomass/Tire Fuel Data:														
Beginning balance			269				-						285	2,222
Tons received during period			-				-						-	85
Inventory adjustments			-				-						-	2
Tons burned during period			188				-						188	2,251
Ending balance			69				-						69	69
Cost of ending inventory ($/ton)			41.67				-						41.67	41.67
Fuel Oil Data:														
Beginning balance	66,192	238,800	280,842		34,370	92,507	488,936	8,818,408	205,745	3,984,188	138,412	2,988,586	18,334,884	15,333,883
Gallons received during period	74,888	140,649	45,839		803,872	-	88,815	-	164,830	-	30,567	-	1,250,148	18,718,488
Miscellaneous usage, transfers and adjustments	(5,808)	(9,546)	(1,017)		(3,830)	(1)	(2,589)	-	(29,586)	-	(322)	-	(51,667)	(816,884)
Gallons burned during period (D)	71,279	134,289	34,888		830,873	-	704	444	61,831	-	31,316	-	948,864	14,653,310
Ending balance	63,802	237,344	301,163		103,339	92,508	572,857	8,817,991	285,088	3,984,188	137,462	2,988,589	18,679,689	18,679,689
Cost of ending inventory ($/gal)	3.14	3.30	2.98		3.14	3.08	2.85	1.49	3.23	2.89	3.03	2.47	2.12	2.13
Gas Data: (E)														
Beginning balance														
MCF received during period (F)			-	3,078,746		1,130,838	3,817	2,407		13,033	-	71,361	4,297,300	41,988,759
MCF burned during period (F)			-	3,078,746		1,130,838	3,817	2,407		13,033	-	71,361	4,297,300	41,988,759
Ending balance														
Cost of ending inventory ($/mcf)														
Limestone Data:														
Beginning balance	25,579	47,843			28,304				92,887				131,783	315,649
Tons received during period	-	6,891			-				13,138				19,989	338,745
Tons consumed during period (B)	4,673	22,809			8,185				19,552				52,339	434,919
Ending balance	20,906	91,809			20,119				86,549				119,379	119,379
Cost of ending inventory ($/ton)	25.77	31.02			30.68				30.61				31.59	31.59

(A) Coal inventory adjustments include a transfer from Dan River to Belews Creek of 3,808 tons in the current month and 55,908 tons for the twelve months ended. The tons transferred between the stations are to zero
(A) Coal inventory adjustments include a 3,908 ton increase at Dan River Station following a true-up to physical inventory
(B) The current month and twelve months ended data include an annual coal survey adjustment recorded in Dec 2012
(C) Coal Inventory Ending Balance excludes $ 413 tons and $367,725 associated with terminals for the current month
(D) Total gallons of fuel oil burned includes 842 gallons of diesel fuel oil for on-site standby generators for the month and 8,887 for the twelve months ended. Monthly consumption is reported on a month lag due to timing of data availability
Offsetting activity for the on-site standby generator consumption is reported as miscellaneous usage, transfers and adjustments
(E) Gas is burned as received; therefore, inventory balances are not maintained.
(F) Twelve months ended Gas MCF received and burned includes 31,863,488 attributable to combined cycle plant activity.
(G) The following CT units were retired October 1, 2012: Buck units 7, 8, & 9; Dan River units 4, 5, & 6; Riverbend units 8, 9, 10, & 11; and Buzzard Roost units 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15
(H) Cliffside unit 6 was placed in service December 30, 2012.
(I) Dan River coal units 1, 2, & 3 were retired April 1, 2013. Dan River combined cycle plant was placed in service December 10, 2012.

Notes:
Detail amounts may not add to totals shown due to rounding.

Schedule 6

Schedule 7

DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASES
December 2012

STATION	TYPE		QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT		-	-	-
	CONTRACT		80,839	$ 8,000,372.60	$ 98.97
	ADJUSTMENTS		-	716,012.16	-
	TOTAL		80,839	8,716,384.76	107.82
BELEWS CREEK	SPOT		-	-	-
	CONTRACT		395,278	36,360,329.11	91.99
	ADJUSTMENTS	(A)	3,909	2,860,078.67	731.74
	TOTAL		399,186	39,220,407.78	98.23
CLIFFSIDE	SPOT		-	-	-
	CONTRACT		79,176	7,226,032.40	91.27
	ADJUSTMENTS		-	561,199.28	-
	TOTAL		79,176	7,787,231.68	98.35
DAN RIVER	SPOT		-	-	-
	CONTRACT		-	-	-
	ADJUSTMENTS	(A)	(3,909)	(398,872.65)	102.05
	TOTAL		(3,909)	(398,872.65)	102.05
MARSHALL	SPOT		-	-	-
	CONTRACT		325,533	31,191,548.61	95.82
	ADJUSTMENTS		-	1,007,215.95	-
	TOTAL		325,533	32,198,764.56	98.91
ALL PLANTS	SPOT		-	-	-
	CONTRACT		880,826	82,778,282.72	93.98
	ADJUSTMENTS		-	4,745,633.41	-
	TOTAL		880,826	$ 87,523,916.13	$ 99.37

(A) 3,908.60 coal tons were transferred from Dan River station to Belews Creek station.
The book cost of coal tons transferred was $398,872.65 plus the $51,000.00 cost of freight.

Schedule 8

Duke Energy Carolinas
Analysis of Quality of Coal Received
December 2012

Station	Percent Moisture	Percent Ash	Heat Value	Percent Sulfur
Allen	16.01	7.10	10,998	3.47
Belews Creek	6.86	10.31	12,428	1.35
Cliffside	7.72	19.76	10,865	1.34
Marshall	6.61	11.74	12,227	1.41

Duke Energy Carolinas
Analysis of Cost of Oil Purchases
December 2012

Station	Allen	Belews Creek	Buck	Cliffside	Lee	Marshall	Riverbend
Vendor		HighTowers	HighTowers	HighTowers	HighTowers	High Towers	High Towers
Spot / Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0	0	0	0	0	0	0
Gallons Received	74,898	140,648	45,836	803,672	89,915	164,590	30,587
Total Delivered Cost	$ 238,478.54	$ 451,701.49	$ 145,176.81	$ 2,637,625.23	$ 305,454.77	$ 544,643.39	$ 96,976.08
Delivered Cost/Gal	$ 3.18	$ 3.21	$ 3.17	$ 3.16	$ 3.40	$ 3.31	$ 3.17
BTU/Gallon	137,264	137,467	137,723	138,990	138,374	137,446	137,538

Note A: Total delivered cost for receipts from HighTowers Petroleum.

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DUKE ENERGY CAROLINAS
POWER PLANT PERFORMANCE DATA
TWELVE MONTHS SUMMARY
January, 2012 - December, 2012

Plant Name	Generation MWH	Capacity Rating MW	Capacity Factor %	Net Equivalent Availability %
Oconee	20,647,480	2,538	92.62	91.26
McGuire	17,968,152	2,200	92.98	89.04
Catawba	17,829,299	2,258	89.89	87.89

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January 2012 through December 2012
Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	7,685,065	1,110	78.82	90.70
Belews Creek 2	6,305,060	1,110	64.67	85.20

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January 2012 through December 2012
Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	1,144,368	555	23.49	89.57
Marshall 1	1,078,626	380	32.31	84.84
Marshall 2	1,370,510	380	41.06	87.87
Marshall 3	3,263,260	658	56.46	88.39
Marshall 4	3,902,223	660	67.31	87.65

Note: This report is limited to capturing data beginning the first full month a unit is in commercial operation.

Cliffside unit 6 began pre-commercial operation in June 2012 and commercial operation on December 30, 2012. Cliffside unit 6 net generation (mWh) within the twelve month period was as follows:

June 2012:	1,496 mWh; pre-commercial
July 2012:	77,787 mWh; pre-commercial
August 2012:	212,376 mWh; pre-commercial
September 2012:	139,874 mWh; pre-commercial
October 2012:	(1,302) mWh; pre-commercial (auxiliaries only)
November 2012:	170,464 mWh; pre-commercial
December 2012:	168,280 mWh; pre-commercial & commercial combined

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Duke Energy Carolinas
Power Plant Performance Data

Twelve Month Summary
January 2012 through December 2012
Other Cycling Coal Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen 1	100,069	162	7.03	88.77
Allen 2	78,152	162	5.49	89.76
Allen 3	606,229	261	26.44	92.76
Allen 4	777,282	276	32.06	95.97
Allen 5	386,992	266	16.56	86.90
Buck 5	146,714	128	13.05	98.94
Buck 6	73,215	128	6.51	99.53
Dan River 1	-1,373	67	0.00	100.00
Dan River 2	-166	67	0.00	100.00
Dan River 3	-396	142	0.00	100.00
Lee 1	19,113	100	2.18	99.86
Lee 2	29,392	100	3.35	97.96
Lee 3	80,920	170	5.42	99.24
Riverbend 4	26,139	94	3.17	99.31
Riverbend 5	23,562	94	2.85	99.57
Riverbend 6	45,321	133	3.88	98.84
Riverbend 7	61,489	133	5.26	99.15

Note:

Dan River units 1, 2, & 3 were retired April 1, 2012.

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January,2012 through December,2012
Combustion Turbines

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Buck CT	-180	47	66.67
Buzzard Roost CT	-868	132	89.99
Dan River CT	-153	36	87.48
Lee CT	55,780	82	98.88
Lincoln CT	28,506	1,264	94.26
Mill Creek CT	125,402	592	91.10
Riverbend CT	-725	48	100.00
Rockingham CT	715,431	825	56.55

Note:

The following units were retired October 1, 2012:

Buck CT units 7, 8, & 9
Buzzard Roost CT units 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15.
Dan River CT units 4, 5, & 6
Riverbend CT units 8, 9, 10, & 11.

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Duke Energy Carolinas
Power Plant Performance
12 Months Ended December 2012

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants:			
Bridgewater	41,458	31.500	91.45
Cedar Creek	93,606	45.000	98.80
Cowans Ford	100,905	325.200	95.61
Dearborn	104,232	42.000	78.44
Fishing Creek	91,594	49.000	99.77
Gaston Shoals	16,221	2.000	42.52
Great Falls	7,948	12.000	98.38
Keowee	41,997	152.000	99.35
Lookout Shoals	67,912	27.900	81.28
Mountain Island	71,839	62.000	98.51
Ninety Nine Island	49,577	6.400	98.54
Oxford	77,315	40.000	79.75
Rhodhiss	48,478	30.000	91.65
Rocky Creek	(191)	-	-
Tuxedo	19,953	8.400	72.67
Wataree	125,831	85.000	92.02
Wylie	85,879	72.000	92.34
Nantahala	208,704	50.000	97.25
Queens Creek	2,618	1.440	94.80
Thorpe	69,509	19.700	83.02
Tuckasegee	5,988	2.500	84.40
Tennessee Creek	26,421	9.800	92.95
Bear Creek	24,861	9.450	99.98
Cedar Cliff	17,699	6.400	93.54
Nitsalon	1,557	0.600	86.46
Franklin	1,489	0.600	74.58
Bryson	1,208	0.480	99.88
Total Conventional	1,400,604		
Pumped Storage Plants:			
Jocassee	929,617	780.000	91.64
Bad Creek	1,752,364	1,360.000	95.79
Subtotal	2,680,981		
Energy for Pumping:			
Jocassee	(1,103,984)		
Bad Creek	(2,218,596)		
Subtotal	(3,322,580)		
Generation less Energy for Pumping			
Jocassee	(175,367)		
Bad Creek	(466,232)		
Total Pumped Storage	(641,599)		

NOTE(S):
Capacity MW amounts varied across the range of time indicated.
The amounts shown represent the capacity effective as of the period end date.

Schedule 10
Page 7 of 7

Duke Energy Carolinas
Power Plant Performance Data

Twelve Month Summary
January 2012 through December 2012
Combined Cycle Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Buck CC 10	4,167,226	620	76.52	89.93

Note: This report is limited to capturing data beginning the first full month a station is in commercial operation.

Dan River CC began pre-commercial operation in July 2012 and commercial operation on December 10, 2012. Dan River CC net generation (mWh) within the twelve month period was as follows:

July 2012:	935 mWh; pre-commercial
August 2012:	3,526 mWh; pre-commercial
September 2012:	2,209 mWh; pre-commercial
October 2012:	8,488 mWh; pre-commercial
November 2012:	104,254 mWh; pre-commercial
December 2012:	1,986 mWh; pre-commercial
December 2012:	135,081 mWh; commercial

Duke Energy Carolinas
Month Ending: December 2012
Dollars reported in ($)

		Gross Savings			Allocated Savings		DE Carolinas
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1	Joint Dispatch	$ 1,921,336	$ 830,776	$ 2,152,112	$ 1,287,353	$ 854,533	$ 876,439
2	Coal Blending	3,233,962	-	3,233,962	2,023,440	1,210,522	1,140,695
3	Coal Procurement	115,632	426,892	542,524	280,870	211,804	215,797
4	Coal Transportation	608,727	370,392	979,120	602,044	377,085	418,745
5	Reagent Procurement & Transportation	49,572	83,138	132,710	81,814	50,896	36,818
6	Natural Gas Capacity	2,158,479	-	2,158,479	1,232,961	426,518	908,410
7	Natural Gas Trading	35,954	-	35,954	21,153	13,802	15,119
		$ 7,922,732	$ 1,883,198	$ 9,256,858	$ 5,648,639	$ 3,133,161	$ 3,679,743

Resource ratio %	85.59%	20.35%	100.00%	
Billed Sales (MWH)			6,442,815	4,385,630
Sales allocation %				68.10%

Trailing Month Ending: December 2012

		Gross Savings			Allocated Savings		DE Carolinas
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1	Joint Dispatch	$ 11,928,001	$ 2,820,258	$ 14,148,300	$ 8,316,088	$ 5,832,217	$ 5,633,604
2	Coal Blending (a)	23,534,131	-	23,534,131	17,514,516	6,019,615	11,944,691
3	Coal Procurement (a)	1,634,630	2,475,810	4,059,640	2,359,044	1,700,596	1,638,917
4	Coal Transportation (a)	2,181,451	1,805,839	3,987,180	2,163,421	1,823,868	1,473,238
5	Reagent Procurement & Transportation	450,300	689,849	1,140,149	580,574	559,575	382,795
6	Natural Gas Capacity	4,754,353	-	4,754,353	2,807,572	1,946,781	1,947,678
7	Natural Gas Trading	215,724	-	215,724	127,540	88,185	87,260
		$ 44,698,591	$ 7,791,606	$ 51,908,687	$ 33,890,749	$ 17,970,838	$ 23,136,183

Total-to-date December 2012

		Target	Gross Savings			Allocated Savings		DE Carolinas
			DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1	Joint Dispatch	$ 118,853,000	$ 11,928,001	$ 2,820,300	$ 14,148,300	$ 8,316,088	$ 5,832,217	$ 5,633,604
2	Coal Blending (a)	190,800,000	23,534,131	-	23,534,131	17,514,516	6,019,615	11,944,691
3	Coal Procurement (a)	45,800,000	1,634,630	2,475,810	4,059,640	2,358,044	1,700,596	1,638,917
4	Coal Transportation (a)	30,895,000	2,181,451	1,805,839	3,987,180	2,163,421	1,823,868	1,473,238
5	Reagent Procurement & Transportation	13,800,000	450,300	689,849	1,140,149	560,574	579,575	382,795
6	Natural Gas Capacity	16,900,000	4,754,353	-	4,754,353	2,807,572	1,946,781	1,947,678
7	Natural Gas Trading	2,000,000	215,724	-	215,724	127,540	88,185	87,260
		$ 418,888,000	$ 44,698,591	$ 7,791,606	$ 51,908,687	$ 33,890,749	$ 17,970,838	$ 23,136,183

(a) Includes January – June 2012 savings associated with fuel-related savings permitted, reviewed by the originating company

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 11

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (b)

PERIOD: December, 2012

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None					
	2	None					
	3	None					
McGuire	1	None					
	2	12/01/2012 - 12/02/2012	23.65	UNSCHEDULED	TURBINE TRIP DUE TO INCORRECT TURBINE INLET PRESSURE SETPOINT	ENGINEERING MODIFICATION SETPOINT ERROR	DEVELOPED NEW SETPOINTS
Catawba	1	11/24/2012 - 12/20/2012	460.42	SCHEDULED	END-OF-CYCLE 20 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
	1	12/20/2012 - 12/20/2012	8.00	UNSCHEDULED	OUTAGE DELAYED 0.33 DAYS DUE TO REFUELING EQUIPMENT PERFORMANCE DEFICIENCIES	REFUELING EQUIPMENT FAILURES	REPAIRED REFUELING EQUIPMENT

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (b)

PERIOD: December, 2012

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
	1	12/20/2012 - 12/24/2012	93.00	UNSCHEDULED	OUTAGE DELAYED 3.88 DAYS DUE TO REACTOR COOLANT PUMP SEAL INJECTION CHECK VALVE FAILURE	REACTOR COOLANT PUMP SEAL CHECK VALVE FAILURE	REPAIR REACTOR COOLANT PUMP SEAL CHECK VALVE
	1	12/24/2012 - 12/28/2012	94.62	UNSCHEDULED	OUTAGE DELAYED 3.94 DAYS DUE TO AUXILIARY FEEDWATER PUMP TURBINE FAILURE DURING TESTING	AUXILIARY FEEDWATER PUMP TURBINE FAILURE	REPAIR AUXILIARY FEEDWATER PUMP
	1	12/28/2012 - 12/28/2012	3.70	SCHEDULED	MAIN TURBINE OVERSPEED TRIP TEST	SCHEDULED OVERSPEED TEST	COMPLETED SCHEDULED OVERSPEED TEST
	2	None					

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (B)

December 2012

Belews Creek Steam Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
02	12/2/2012 10:02:00 PM To 12/3/2012 11:05:00 PM	Unsch	1050	Second Superheater Leaks	BOILER TUBE LEAK,SSH.	

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
01	12/14/2012 1:58:00 PM To 12/17/2012 7:03:00 AM	Unsch	1050	Second Superheater Leaks	BOILER TUBE LEAK,SSH.	

Duke Energy Carolinas
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (e) (2) (3)
December 2012
Oconee Nuclear Station

	Unit 1		Unit 2		Unit 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	744		744		744	
(C1) Net Gen (MWH) and Capacity Factor	640302	101.73	647687	102.90	652211	103.62
(D1) Net MWH Not Gen Due To Full Schedule Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1826	0.29	0	0.00	213	0.03
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-12704	-2.02	-18263	-2.90	-23000	-3.65
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	629424	100.00%	629424	100.00%	629424	100.00%
(I) Equivalent Availability		99.71		100.00		99.97
(J) Output Factor		101.73		102.90		103.62
(K) Heat Rate		10,132		10,052		9,976

* Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (e) (2) (3)
December 2012
McGuire Nuclear Station

	Unit 1		Unit 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	861255	105.24	771515	94.27
(D1) Net MWH Not Gen Due To Full Schedule Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	53512	6.54
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	26015	3.18
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-42855	-5.24	-32642	-3.99
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00
(H) Net MWH Possible In Period	818400	100.00%	818400	100.00%
(I) Equivalent Availability		100.00		89.60
(J) Output Factor		105.24		97.37
(K) Heat Rate		10,040		10,138

* Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
December 2012
Catawba Nuclear Station

	Unit 1		Unit 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	54805	6.52	864996	102.87
(D1) Net MWH Not Gen Due To Full Schedule Outages	523991	62.38	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	34934	4.16	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	220855	26.29	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	5391	0.65	-24120	-2.87
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00
(H) Net MWH Possible In Period	839976	100.00%	839976	100.00%
(I) Equivalent Availability		7.78		100.00
(J) Output Factor		57.60		102.87
(K) Heat Rate		13,140		9,965

* Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2) (3)

December 2012

Belews Creek Steam Station

	Unit 1	Unit 2
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	686,947	650,712
(C1) Capacity Factor	83.18	78.79
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	0
(D1) Scheduled Outages: percent of Period Hrs	0.00	0.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	72,243	27,805
(E1) Forced Outages: percent of Period Hrs	8.75	3.37
(E2) Net mWh Not Generated due to Partial Forced Outages	0	11
(E2) Forced Derates: percent of Period Hrs	0.00	0.00
(F) Net mWh Not Generated due to Economic Dispatch	66,650	147,311
(F) Economic Dispatch: percent of Period Hrs	8.07	17.84
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	91.25	96.63
(I) Output Factor (%)	91.16	85.25
(J) Heat Rate (BTU/NkWh)	9,056	9,211

*Estimated

Footnote: (J) Includes Light Off BTU's

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

December 2012

Marshall Steam Station

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	744	744	744	744
(C1) Net Generation (mWh)	76,799	159,950	365,452	386,661
(D) Net mWh Possible in Period	282,720	282,720	489,552	491,040
(E) Equivalent Availability	90.31	98.75	94.71	99.56
(F) Output Factor (%)	58.54	61.57	78.70	78.74
(G) Capacity Factor	27.16	56.58	74.65	78.74

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

December 2012

Cliffside Steam Station

		Cliffside 5
(A)	MDC (mWh)	556
(B)	Period Hrs	744
(C1)	Net Generation (mWh)	-2,968
(D)	Net mWh Possible in Period	413,664
(E)	Equivalent Availability	57.46
(F)	Output Factor (%)	0.00
(G)	Capacity Factor	0.00

Note:

This report is limited to capturing units in full months of commercial operation. Cliffside unit 6 was placed into service on December 30, 2012. During the month of December 2012, Cliffside unit 6 produced 168,280 mWh of pre-commercial and commercial generation combined.

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
January 2012 - December 2012
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8784		8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	6701974	90.19	7537005	101.42	6408501	86.24
(D1) Net MWH Not Gen Due To Full Scheduled Outages	589282	7.93	0	0.00	1111221	14.95
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	19514	0.26	1082	0.01	52836	0.71
(E1) Net MWH Not Gen Due To Full Forced Outages	155672	2.09	22994	0.31	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-35178	-0.47	-129817	-1.74	-141294	-1.90
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7431264	100.00%	7431264	100.00%	7431264	100.00%
(I) Equivalent Availability		89.31		99.57		86.90
(J) Output Factor		100.23		101.74		101.40
(K) Heat Rate		10,256		10,158		10,025

*Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
January 2012 - December 2012
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	10114042	104.67	7854110	81.29
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	1003200	10.38
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1143	0.01	67742	0.70
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	1042690	10.79
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-452785	-4.68	-305342	-3.16
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9662400	100.00%	9662400	100.00%
(I) Equivalent Availability		99.99		78.08
(J) Output Factor		104.67		103.12
(K) Heat Rate		10,097		10,126

*Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
January 2012 - December 2012
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	8767327	88.41	9061972	91.38
(D1) Net MWH Not Gen Due To Full Scheduled Outages	708673	7.15	734449	7.41
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	27712	0.28	30272	0.31
(E1) Net MWH Not Gen Due To Full Forced Outages	556247	5.61	314347	3.17
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-142823	-1.45	-223904	-2.27
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9917136	100.00%	9917136	100.00%
(I) Equivalent Availability		86.68		89.10
(J) Output Factor		101.33		102.18
(K) Heat Rate		10,094		10,022

*Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2) (3)

January 2012 through December 2012

Belews Creek Steam Station

	Unit 1	Unit 2
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,784	8,784
(C1) Net Generation (mWh)	7,685,065	6,305,060
(C1) Capacity Factor	78.82	64.67
(D1) Net mWh Not Generated due to Full Scheduled Outages	567,081	1,243,570
(D1) Scheduled Outages: percent of Period Hrs	5.82	12.75
(D2) Net mWh Not Generated due to Partial Scheduled Outages	40,005	56,080
(D2) Scheduled Derates: percent of Period Hrs	0.29	0.57
(E1) Net mWh Not Generated due to Full Forced Outages	275,243	36,741
(E1) Forced Outages: percent of Period Hrs	2.82	0.38
(E2) Net mWh Not Generated due to Partial Forced Outages	24,326	106,993
(E2) Forced Derates: percent of Period Hrs	0.25	1.10
(F) Net mWh Not Generated due to Economic Dispatch	1,158,520	2,001,796
(F) Economic Dispatch: percent of Period Hrs	11.88	20.53
(G) Net mWh Possible in Period	9,750,240	9,750,240
(H) Equivalent Availability	90.70	85.20
(I) Output Factor (%)	89.40	84.30
(J) Heat Rate (BTU/NkWh)	9,102	9,279

*Estimated

Footnote: (J) Includes Light Off BTU's

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

January 2012 through December 2012

Marshall Steam Station

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	8,784	8,784	8,784	8,784
(C1) Net Generation (mWh)	1,078,626	1,370,510	3,263,260	3,902,223
(D) Net mWh Possible in Period	3,337,920	3,337,920	5,779,872	5,797,440
(E) Equivalent Availability	84.84	87.87	88.39	87.65
(F) Output Factor (%)	68.21	67.78	74.44	78.70
(G) Capacity Factor	32.31	41.06	56.46	67.31

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

January 2012 through December 2012

Cliffside Steam Station

		Cliffside 5
(A)	MDC (mWh)	554
(B)	Period Hrs	8,784
(C1)	Net Generation (mWh)	1,144,388
(D)	Net mWh Possible in Period	4,872,192
(E)	Equivalent Availability	89.57
(F)	Output Factor (%)	70.98
(G)	Capacity Factor	23.49

Note: This report is limited to capturing data beginning the first full month a unit is in commercial operation.

Cliffside unit 6 began pre-commercial operation in June 2012 and commercial operation on December 30, 2012. Cliffside unit 6 net generation (mWh) within the twelve month period was as follows:

June 2012:	1,496 mWh;	pre-commercial
July 2012:	77,787 mWh;	pre-commercial
August 2012:	212,376 mWh;	pre-commercial
September 2012:	139,874 mWh;	pre-commercial
October 2012:	(1,302) mWh;	pre-commercial (auxiliaries only)
November 2012:	170,464 mWh;	pre-commercial
December 2012:	168,280 mWh;	pre-commercial & commercial combined

DUKE ENERGY CAROLINAS
DOCKET NO. E-7, SUB 986
CALCULATION OF MERGER-RELATED FUEL COST SAVINGS

Line No.				
1	Total DEC and PEC Savings Projected For Year 1	$72,000,000		Merger Application Exhibits 4 and 5
2	Portion of Year One in Initial DEC Rate Period	83.33%		September 2012 through June 2013
3	Amount to Include in Initial DEC Rate Reduction		$60,000,000	Line 1 x Line 2
4	Total DEC and PEC Savings Projected For Year 2	$100,000,000		Merger Application Exhibits 4 and 5
5	Portion of Year Two in Initial DEC Rate Period	16.67%		July 2013 through August 2013
6	Amount to Include in Initial DEC Rate Reduction		$16,666,667	Line 4 x Line 5
7	Total Amount to Include in Initial DEC Rate Reduction		$76,666,667	Line 3 + Line 6
8	Projected Allocation to DEC based on 2012 Fuel Filings		58.75%	Forecasts in E-7, Sub 1002 and E-2, Sub 1018
9	Amount Allocated to DEC		$45,041,667	Line 7 x Line 8
10	Projected Allocation to NC Retail based on E-7, Sub		67.78%	Line 9 of Supplemental McManeus Exhibit 1, Schedule 2(c), Page 2 (E-7,Sub 1002)
11	Amount Allocated to DEC NC Retail		$30,527,839	Line 9 x Line 10
12	Projected Billing MWh Sales		55,014,183	Supplemental McManeus Exhibit 1, Schedule 2c, page 2 (E-7, Sub 1002)
13	Current composite Merger Savings decrement cents/kWh		(0.0555)	

DUKE ENERGY CAROLINAS
E-7, SUB 1053
FUEL RATE CHANGE ASSOCIATED WITH MERGER SAVINGS
DERIVATION OF EQUAL PERCENTAGE DECREASE FOR ALL RATE CLASSES

Line No.	Rate Class	Projected Billing Period NWH Sales (a) Supplemental McManeus Exhibit 1, Schedule 2c, page 2 (E-7, Sub 1002)	Annual Revenue at Current Rates (b) Supplemental McManeus Exhibit 6(c) (E-7, Sub 1002)	Allocate Merger Related Fuel Cost Savings To Customer Class (c) (b) /(b) line 4 * (c) line 4	Increase / (Decrease) as % of Annual Revenue at Current Rates (d) (c) / (b)	Rider XXX Increase/(Decrease) (e) (c) / (a) *100 ¢ / kwh	Rider XXXX Billing Factor[2] ¢ / kwh
1	Residential	20,750,439	$ 2,198,805	$ (14,586)	-0.7%	(0.0707)	(0.0731)
2	General Service/Lighting	21,958,610	$ 1,649,533	$ (11,161)	-0.7%	(0.0509)	(0.0527)
3	Industrial	12,295,938	$ 657,624	$ (4,681)	-0.7%	(0.0379)	(0.0392)
4	NC Retail	55,014,183	$ 4,503,963	$ (30,528)			
5	NC Retail Decrease in Fuel Revenue[1]			$ (30,528)			

(2) Decremental Rates including NC gross receipts taxes and regulatory fee.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 3

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWHs	8886	9100	9717	9224	7403	6227	6814	57,370.03
Hours	8760	8760	8760	8760	8760	8760	8760	8760
MDC	1129	1129	1129	1129	846	846	846	7054
Capacity factor	89.85%	92.01%	98.25%	93.26%	99.89%	84.02%	91.94%	92.84%
Cost	58,506.30	64,893.26	64,136.26	61,268.04	50,747.55	43,802.62	47,039.02	390,393.04
$/MWH	6.58	7.13	6.60	6.64	6.86	7.03	6.90	
Avg $/MWHr		**6.80483**						
Remove dry storage cask cost (DSC)	99.24%	99.25%	99.78%	99.77%	99.01%	98.99%	99.02%	
Costs W/O DSC	58,059.46	64,408.35	63,992.21	61,127.78	50,242.79	43,360.56	46,576.39	387,767.54
$/MWH W/O DSC	6.53	7.08	6.59	6.63	6.79	6.96	6.84	
Avg $/MWHr		**6.759061**						
Cents per KWh		**0.675906**						

Smith Workpaper 4

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWHs with approved CF	8926	8926	8926	8926	6594	6594	6594	55,483.64
Hours	8760	8760	8760	8760	8760	8760	8760	8760
MDC	1129	1129	1129	1129	846	846	846	7,054.00
Capacity factor	90.25%	90.25%	90.25%	90.25%	88.97%	88.97%	88.97%	89.79%
Cost	60,738.24	60,738.24	60,738.24	60,738.24	44,867.83	44,867.83	44,867.83	377,556.45
Avg $/MWHr		**6.80483**						
Costs W/O DSC	60,329.76	60,329.76	60,329.76	60,329.76	44,566.08	44,566.08	44,566.08	375,017.29
$/MWH W/O DSC								
Avg $/MWHr		**6.759061**						
Cents per KWh		**0.675906**						

DUKE ENERGY CAROLINAS **Smith Workpaper 5**

North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014

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	RESOURCE_TYP DATA_TYPE	UNIT	Sept 13- Aug 14	
	NUC Total		57,370.032	
	COAL Total		26,716.153	
	Adjustment		(438.378)	
	Adusted Coal Total		26,277.775	
	Gas CT and CC total		10,016.167	CC and CT
	Run of River Total		1,779.848	
	Pumped storage total		3,194.477	
	conversion factor		80%	
	Energy used to generate		3,993.096	
			798.62	
	Catawba Joint Owners		(13,929.209)	
	PURC Total		9,448.043	
Adjustment to exclude cost of mitigation sales			(803.900)	
	SALE Total		(1,683.858)	

DUKE ENERGY CAROLINAS

North Carolina Annual Fuel and Fuel Related Expense

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RESOURCE_TYPE	Sept 13 - Aug 14	
NUC Total	390,393.04	
Adjustment for DSC	(2,625.50)	
Total Nuclear	387,767.54	
COAL Total	1,006,203.35	
Adjustment	(16,668.63)	
Portion of savings pymt to PEC	9,636.08	Workpaper 7
Adjusted Coal Total	999,170.80	
Gas CT and CC total	302,936.92	
Gas Transportation cost	19,900.00	
Portion of savings pymt to PEC	3,177.89	Workpaper 7
	326,014.80	
PURC Total	9,070.28	
Co gen Capacity	10,211.64	
Renewables	34,567.18	
Renewables Capacity	6,918.58	
Other Purchase Info not in model	6,923.83	
Allocated Economic Purchase cost	103,191.82	Workpaper 7
Payment to Progress	165,373.85	Workpaper 7
	336,257.19	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 7

Billing Period Sept 2013 through Aug 2014
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Oct 12 to Sept 13

Positive numbers represent costs, Negative numbers represent savings/cost reduction

	Allocated Economic Purchase Cost		Mitigation Sale Cost		Economic Sales Cost		Fuel Transfer Payment		JDA Savings Payment		Gas Savings Payment		Coal Savings Payment	
	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC
9/1/2013	$ 6,780,998	$ 9,589,247	$ -	$ -	$ -	$ (459,770)	$ (10,479,526)	$ 10,479,528	$ (428,536)	$ 428,536	$ (67,271)	$ 67,271	$ (1,908,113)	$ 1,908,113
10/1/2013	$ 5,114,944	$ 7,157,863	$ -	$ -	$ -	$ (686,100)	$ (11,061,496)	$ 11,061,496	$ (799,989)	$ 799,989	$ (69,367)	$ 69,367	$ (1,324,628)	$ 1,324,628
11/1/2013	$ 7,549,439	$ 10,788,446	$ -	$ -	$ (289,700)	$ (1,264,000)	$ (14,735,637)	$ 14,735,637	$ (726,903)	$ 726,903	$ (858,972)	$ 858,972	$ (1,374,776)	$ 1,374,776
12/1/2013	$ 2,941,157	$ 3,945,203	$ -	$ (3,411,800)	$ (1,314,600)	$ (2,092,900)	$ (3,668,466)	$ 3,669,466	$ (97,817)	$ 97,817	$ (920,024)	$ 920,024	$ (1,455,264)	$ 1,455,264
1/1/2014	$ 2,924,984	$ 4,113,419	$ -	$ (3,657,900)	$ (3,867,900)	$ (7,363,800)	$ (4,391,413)	$ 4,391,413	$ (140,707)	$ 140,707	$ (377,316)	$ 377,316	$ (83,098)	$ 83,098
2/1/2014	$ 3,099,233	$ 4,524,973	$ -	$ (3,249,300)	$ (2,975,000)	$ (2,781,800)	$ (5,880,090)	$ 5,880,090	$ (489,082)	$ 489,082	$ (369,075)	$ 369,075	$ (52,808)	$ 52,808
3/1/2014	$ 5,020,350	$ 7,293,577	$ -	$ -	$ -	$ (823,100)	$ (7,489,707)	$ 7,489,707	$ (731,892)	$ 731,892	$ (370,163)	$ 370,163	$ (472,671)	$ 472,671
4/1/2014	$ 7,142,443	$ 10,338,543	$ -	$ -	$ (198,716)	$ (43,166)	$ (7,687,536)	$ 7,687,536	$ (1,117,127)	$ 1,117,127	$ (28,630)	$ 28,630	$ (500,195)	$ 500,195
5/1/2014	$ 6,848,487	$ 9,986,384	$ -	$ -	$ (933,800)	$ (1,365,200)	$ (25,680,262)	$ 25,680,262	$ (1,975,799)	$ 1,975,799	$ (28,506)	$ 28,506	$ (492,511)	$ 492,511
6/1/2014	$ 8,191,616	$ 11,283,974	$ (10,983,200)	$ (6,193,400)	$ (3,809,100)	$ (3,005,800)	$ (14,051,278)	$ 14,051,278	$ (1,132,866)	$ 1,132,866	$ (29,923)	$ 29,923	$ (542,839)	$ 542,839
7/1/2014	$ 8,546,598	$ 11,715,463	$ (12,718,000)	$ (6,127,800)	$ (1,958,600)	$ (5,094,400)	$ (11,237,850)	$ 11,237,850	$ (500,234)	$ 500,234	$ (29,557)	$ 29,557	$ (1,009,672)	$ 1,009,672
8/1/2014	$ 9,074,791	$ 12,346,738	$ (11,635,800)	$ (7,199,200)	$ (884,900)	$ (2,896,600)	$ (10,127,715)	$ 10,127,715	$ (670,256)	$ 670,256	$ (28,685)	$ 28,685	$ (1,019,513)	$ 1,019,513
Sept 13 - Aug 14	$ 103,191,824		$ (29,839,400)		$ (28,086,036)		$ 126,491,974		$ 8,791,207		$ 3,177,889		$ 9,636,084	

$ 165,379,847 Workpaper 8
$ 38,881,873 Workpaper 8
$ 126,491,974

$ (38,881,873)
$ (28,086,036)
$ (66,967,909)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

	Transfer Projection		Purchase Allocation Delta		Adjusted Transfer		Fossil Gen Cost		Pre-Net Payments		Actual Payments	
	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PECtoDEC	DECtoPEC
9/1/2013	211,342	49,902	137,687	(137,687)	349,029	49,902	$ 35.15	$ 35.82	$ 1,787,629	$ 12,267,155	$ -	$ 10,479,526
10/1/2013	219,225	6,464	105,379	(105,379)	324,604	6,464	$ 34.77	$ 34.95	$ 225,929	$ 11,287,424	$ -	$ 11,061,496
11/1/2013	313,598	69,920	181,505	(181,505)	495,103	69,920	$ 34.65	$ 34.57	$ 2,417,473	$ 17,153,110	$ -	$ 14,735,637
12/1/2013	241,167	151,218	11,555	(11,555)	252,721	151,218	$ 36.30	$ 36.40	$ 5,504,254	$ 9,173,720	$ -	$ 3,669,466
1/1/2014	284,237	179,120	7,741	(7,741)	291,977	179,120	$ 38.21	$ 37.76	$ 6,764,168	$ 11,155,581	$ -	$ 4,391,413
2/1/2014	290,285	153,988	13,527	(13,527)	303,813	153,988	$ 38.41	$ 37.60	$ 5,789,681	$ 11,669,771	$ -	$ 5,880,090
3/1/2014	257,980	101,227	51,399	(51,399)	309,378	101,227	$ 36.39	$ 37.21	$ 3,767,083	$ 11,256,790	$ -	$ 7,489,707
4/1/2014	303,867	122,212	27,920	(27,920)	331,787	122,212	$ 36.73	$ 36.80	$ 4,497,867	$ 12,185,402	$ -	$ 7,687,536
5/1/2014	513,221	16,830	222,430	(222,430)	735,651	16,830	$ 35.74	$ 36.57	$ 615,447	$ 26,295,708	$ -	$ 25,680,262
6/1/2014	319,160	36,971	105,402	(105,402)	424,562	36,971	$ 36.43	$ 38.30	$ 1,415,877	$ 15,467,155	$ -	$ 14,051,278
7/1/2014	253,516	74,399	126,996	(126,996)	380,512	74,399	$ 37.17	$ 39.08	$ 2,907,318	$ 14,145,168	$ -	$ 11,237,850
8/1/2014	267,901	83,041	96,694	(96,694)	364,595	83,041	$ 36.53	$ 38.40	$ 3,189,148	$ 13,316,863	$ -	$ 10,127,715
	3,475,498	1,045,292			4,563,732	1,045,292			38,881,873	165,373,847	-	126,491,974

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

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	Sept - Aug	Retail Sales
NC Retail Sales	55,516,317	55,516,317
SC Residential MWh sales	6,516,476	6,516,476
SC Commercial MWh sales, incl. outdoor light	5,872,824	5,872,824
SC Public Light	41,371	41,371
SC Industrial MWh sales	8,545,462	8,545,462
NPL Resale	90,124	76,492,451
10A NC	1,191,810	
10A SC	317,356	
Rutherford @meter above FFR 2009-2010	816,960	
Piedmont @meter	390,737	
Blue Ridge @meter	1,150,383	
NC EMC fixed load shape	379,552	
Haywood @meter	115,735	
New River @meter	250,924	
Greenwood @meter	296,972	
Central @meter	895,875	
Regular Sales	82,388,880	
Company Use	218,987	
Line Losses	5,164,802	
Change in Unbilled	(96,395)	
Line Losses & Change in Unbilled & Company Use	5,287,395	
SC total	20,976,133	

North Carolina:

Residential	20,955,314
General	22,081,756
Industrial	9,637,232
Textile	2,607,521
Other	234,494
NC RETAIL	55,516,317

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DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012
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	February 1, 2012 - June 30, 2012			July 1 2012 - August 31, 2012			September 1 2012 - December 31, 2012															
	kWh sales	Rate differences	Dollar differences	kWh sales	Rate difference	Dollar differences	kWh sales	Rate differences	Dollar differences	Total adjustments	Revenue per NAC report	Adjusted Revenue	kWh Sales - Feb to Oct	Sales - Jan 13	Total kWh Sales - Feb 13 thru Jan 13	Avg ¢/kwh at Current rates	Normalized Test Period Sales	Annualized Revenue
	A	B	A * B = C	D	E	D * E = F	G	H	G * H = I	C + F + I = J	K	J + K = L	A + D + G = M	N (NAC Report)	M + N = O	L / M = P	Q (with EE 4)	N * Q = P
Residential	7,371,772,050	(0.2720)	$ (20,047,942)	4,298,739,615	(0.3079)	$ (13,229,661)	6,159,648,483	(0.0862)	$ (5,364,894)	$ (38,642,497)	$ 2,988,452,787	$ 2,850,181,089	18,830,160,148	2,181,262,828	20,170,421,976	18.06564	21,143,995	$ 3,218,247,206
General	8,833,102,937	(0.1461)	$ (12,894,950)	4,171,157,543	(0.1820)	$ (7,773,907)	7,372,172,112	(0.0171)	$ (1,243,543)	$ (21,872,999)	$ 1,769,243,428	$ 1,747,375,430	20,343,433,590					
General subject to EE	7,715,930,255	0.0771	$ 5,948,982	3,744,980,032	0.0772	$ 2,887,857	6,376,141,595	0.0771	$ 4,918,082	$ 13,752,921		$ 13,752,921						
Total General			$ (6,957,968)			$ (4,886,150)			$ 3,674,541	$ (8,120,077)	$ 1,769,240,428	$ 1,761,127,851	20,343,433,590	1,839,141,641	22,164,575,231	7.94697	22,112,847	$ 1,756,843,280
Industrial	3,113,300,680	(0.1230)	$ (3,362,365)	2,129,431,266	(0.1447)	$ (3,215,018)	4,104,343,143	(0.0171)	$ (701,842)	$ 10,481,221	$ 747,828,763	$ 758,310,349	11,447,181,089					
Industrial EE	3,185,128,581	0.0771	$ 2,456,734	1,386,725,194	0.0771	$ 1,070,707	2,956,308,344	0.0771	$ 1,871,319	$ 5,497,570		$ 5,497,570						
Total General			$ (1,107,631)			$ (2,153,309)			$ 1,259,263	$ (3,983,647)	$ 747,828,763	$ 743,828,133	11,447,181,089	806,149,085	12,253,328,184	6.62873	12,178,189	$ 739,378,880
											4,508,521,978	4,535,295,070	49,859,773,402	4,832,748,348	54,692,521,751	8.29224	53,534,811	$ 4,824,207,613

General

	Opt out %	kWhs opted out	kWhs opt in
8,833,102,937	12.31%	1,084,172,682	7,715,930,255
4,171,157,543	12.31%	512,206,609	3,744,950,934
7,372,172,112	12.31%	905,011,777	6,376,141,595
20,343,433,590	12.31%	2,498,391,018	17,837,122,572

Industrial

	Opt out %	kWhs opted out	kWhs opt in
3,113,300,680	37.71%	1,928,171,499	3,185,128,581
2,129,431,266	37.71%	842,705,072	1,386,725,194
4,104,343,143	37.71%	1,547,347,799	2,556,995,344
11,447,181,089	37.71%	4,318,224,370	7,128,849,088

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 11

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

Reagents Forecast
Summary of All Stations

	2013 SEP	2013 OCT	2013 NOV	2013 DEC	2014 JAN	2014 FEB	2014 MAR	2014 APR	2014 MAY	2014 JUN	2014 JUL	2014 AUG	12ME 2014 AUG
Tons													
Limestone	48,851	38,354	39,200	57,835	80,418	84,675	61,128	39,636	44,517	75,244	81,022	83,005	713,585
Lime	513	404	544	568	968	856	898	700	401	619	886	900	8,437
Ammonia	772	260	249	908	1,193	890	749	653	591	1,026	1,122	1,190	9,604
Urea	1,321	1,532	1,440	1,550	1,846	1,563	1,468	591	1,137	1,711	1,790	1,747	17,685
Aqueous Ammonia	502	501	473	518	509	454	264	489	508	489	483	531	5,719
DBA	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Reagents	51,759	41,051	41,907	61,377	84,934	88,329	84,506	42,069	47,154	79,288	85,283	87,373	755,030
Average Cost/Ton													
Limestone	30.50	30.09	29.65	30.47	30.78	30.76	30.60	30.44	31.44	30.87	30.93	31.02	
Lime	125.20	125.65	125.65	125.65	127.28	127.28	127.28	127.74	127.74	127.74	128.20	128.20	
Ammonia	772.32	782.01	789.05	744.50	753.11	753.20	757.34	758.00	769.01	772.15	758.18	724.24	
Urea	364.69	376.96	383.85	383.67	389.79	389.04	401.11	414.03	427.12	400.55	400.21	384.94	
Aqueous Ammonia	212.54	211.40	212.23	207.67	207.64	207.63	223.61	208.65	211.26	211.27	208.48	202.71	
DBA	-	-	-	-	-	-	-	-	-	-	-	-	
Cost													
Limestone	1,483,882	1,154,025	1,162,247	1,762,034	2,475,256	1,988,364	1,870,582	1,208,658	1,399,734	2,322,749	2,508,022	2,574,903	21,904,445
Lime	64,288	50,766	68,331	71,321	123,199	108,953	114,208	89,402	51,276	104,562	111,066	115,364	1,072,784
Ammonia	595,958	203,283	196,605	676,184	898,583	670,542	567,524	494,624	454,816	792,485	850,668	861,928	7,263,011
Urea	508,228	577,595	524,192	583,828	682,595	602,746	586,181	244,866	485,512	685,138	716,435	672,534	6,851,848
Aqueous Ammonia	106,667	105,904	100,450	107,183	105,681	94,312	59,030	102,073	107,304	103,274	100,787	107,689	1,200,225
DBA	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Reagents	$2,759,034	$2,091,572	$2,051,825	$3,180,550	$4,285,234	$3,462,916	$3,199,565	$2,137,623	$2,498,442	$4,008,205	$4,284,947	$4,332,398	$38,292,312
Summary Costs by Station													
Allen	-	-	-	-	16,528	-	-	-	-	29,550	102,158	64,220	212,456
Belews Creek	999,411	241,818	183,909	1,133,079	1,436,204	1,089,865	881,184	798,216	815,787	1,277,517	1,360,251	1,460,645	11,659,888
Buck	1,507	-	-	-	-	-	-	-	-	4,472	12,746	2,939	21,664
Buck CC	51,282	54,800	49,243	49,278	48,632	43,470	1,417	46,771	49,545	47,798	46,671	47,543	536,330
Dan River CC	55,405	51,304	51,208	67,906	56,959	50,841	57,613	55,302	57,659	55,476	54,096	60,125	663,895
Cliffside	487,280	383,813	517,800	681,392	1,083,616	837,863	835,280	844,913	370,847	936,257	1,027,760	989,969	8,678,090
Marshall	1,159,533	1,380,237	1,269,866	1,352,889	1,656,422	1,468,224	1,444,081	560,077	1,204,724	1,626,916	1,629,804	1,666,518	16,415,851
Riverbend	4,656	-	-	6,228	5,973	4,813	-	2,344	-	30,218	31,670	20,436	106,338
Total by Station	$2,759,034	$2,091,572	$2,051,825	$3,180,550	$4,285,234	$3,462,916	$3,199,565	$2,137,623	$2,498,442	$4,008,205	$4,284,947	$4,332,398	$38,292,312

Total by Product 12ME		Allen	BC	Buck	Buck CC	Cliffside	Dan River CC	Marshall	Riverbend	Total	less Riverbend	Add New	Total
2014	Limestone	132,408	6,165,534	-	-	5,834,449	-	9,772,066	-	21,904,445			
AUG	Lime	-	-	-	-	1,072,784	-	-	-	1,072,784			
	Ammonia	-	5,494,153	-	-	1,768,857	-	-	-	7,263,011			
	Urea	80,049	-	21,664	-	-	-	6,643,798	106,338	6,851,848	(106,338)		
	Aqueous Ammonia	-	-	-	536,330	-	663,895	-	-	1,200,225			
	DBA	-	-	-	-	-	-	-	-	-			
	Total	212,456	11,659,688	21,664	536,330	8,678,090	663,895	16,415,851	106,338	38,292,312	(106,338)	3,654,195	41,840,169

3/6/2013

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

Projected DEC fuel flex chemicals

	Mag Hydroxide Cost ($1000)				Calcium Carbinate ($1000)				Hydrated Lime ($1000)				
Month	Allen	Belews Creek	Cliffside 5	Marshall	Allen	Belews Creek	Cliffside 5	Marshall	Allen	Belews Creek	Cliffside 5	Marshall	
September-13	$ -	$ 51.34	$ -	$ 70.64	$ -	$ 32.57	$ -	$ 67.23	$ -	$ 29.81	$ -	$ -	
October-13	$ -	$ 53.14	$ -	$ 58.29	$ -	$ 33.71	$ -	$ 55.47	$ -	$ 30.86	$ -	$ -	
November-13	$ -	$ 48.34	$ -	$ 61.08	$ -	$ 30.67	$ -	$ 58.13	$ -	$ 32.75	$ -	$ -	
December-13	$ -	$ 55.62	$ -	$ 73.47	$ -	$ 35.28	$ -	$ 69.91	$ -	$ 44.85	$ -	$ -	
January-14	$ 3.19	$ 83.09	$ -	$ 91.70	$ 2.02	$ 52.71	$ -	$ 87.26	$ -	$ 61.65	$ -	$ -	
February-14	$ 2.14	$ 61.68	$ -	$ 77.30	$ 1.35	$ 39.13	$ -	$ 73.56	$ -	$ 45.76	$ -	$ -	
March-14	$ -	$ 59.80	$ -	$ 80.43	$ -	$ 37.93	$ -	$ 76.54	$ -	$ 44.36	$ -	$ -	
April-14	$ -	$ 57.21	$ -	$ 35.79	$ -	$ 36.29	$ -	$ 34.05	$ -	$ 42.44	$ -	$ -	
May-14	$ -	$ 52.01	$ -	$ 64.19	$ -	$ 32.99	$ -	$ 61.09	$ -	$ 38.59	$ 7.90	$ -	
June-14	$ 3.44	$ 84.74	$ -	$ 76.81	$ 2.18	$ 53.76	$ -	$ 73.10	$ -	$ 62.87	$ 26.87	$ -	
July-14	$ 13.53	$ 95.99	$ -	$ 75.97	$ 8.58	$ 60.90	$ -	$ 72.29	$ -	$ 55.74	$ 31.96	$ -	
August-14	$ 5.69	$ 103.44	$ -	$ 80.56	$ 3.61	$ 65.62	$ -	$ 76.67	$ -	$ 60.06	$ 22.49	$ -	
12 ME 8/31/2014	$ 28	$ 806	$ -	$ 846	$ 18	$ 512	$ -	$ 805	$ -	$ 550	$ 89	$ -	$ 3,654

Data provided by: Ashley Coleman/Dan Donochod

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
2% calculation test
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Smith Workpaper 13

Line No.	Description	Forecast $	(over)/under Collection $	Total $
1	Amount in current docket	117,326,716	43,824,250	161,150,967
2	Amount in Sub 1002, prior year docket	127,612,570	68,615,504	196,228,074
3	Increase/(Decrease)	(10,285,854)	(24,791,254)	(35,077,108)
4	2% of 2012 NC revenue of 4,557,487,757			91,149,755
	Excess of purchased power growth over 2% of Revenue			0

WP 6	PURC Total	9,070.28	68.31%	6,195,648
WP 6	Cogen Capacity	10,211.64	71.82%	7,333,693
WP 6	Renewables	34,567.18	68.31%	23,611,842
WP 6	Renewables Capacity	6,918.58	71.82%	4,968,719
WP 6	Other Purchase info not in model	6,923.83	68.31%	4,729,466
WP 6	Allocated Economic Purchase cost	103,191.82	68.31%	70,487,347
		170,883.34		117,326,716

DUKE ENERGY CAROLINAS
North Carolina Actual Fuel and Fuel Related Expense
2% calculation test
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

2012

	Jan12	Feb12	Mar12	Apr12	May12	Jun12	Jul12	Aug12	Sep12	Oct12	Nov12	Dec12	12 M
System KWH Sales - Sch 4	6,885,889,814	6,518,270,541	6,137,030,129	5,939,364,411	6,037,837,840	6,919,336,379	7,834,783,631	7,870,798,350	7,102,112,888	6,947,169,818	6,162,549,387	6,442,815,289	79,868,987,278
NC Retail KWH Sales - Sch 4	4,088,133,138	4,471,304,229	4,225,512,082	4,010,971,402	4,082,257,000	4,698,518,271	5,358,808,570	5,440,841,852	4,959,527,526	4,052,000,508	4,169,014,344	4,285,820,302	54,864,986,843
NC Retail % of Sales (Calc)	59.10%	68.59%	68.85%	67.57%	67.61%	67.88%	68.37%	69.12%	69.84%	58.13%	67.65%	66.23%	68.31%
Link to Sch 4	59.10%	68.59%	68.85%	67.57%	67.61%	67.88%	68.37%	69.12%	69.84%	58.13%	67.65%	66.23%	
	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
Fuel related component of purchased power. (economic)													
System Actual $ - Sch 3 Fuel3	$ 8,255,728	$ 10,718,383	$ 9,191,069	$ 14,679,715	$ 10,596,869	$ 8,302,853	$ (7,612,487)	$ 17,204,401	$ 18,824,767	$ 22,712,589	$ 20,811,541	$ 9,848,269	$ 168,858,819
System Actual $ - Sch 3 Fuel-related; Sch 2 pg 1	7,718,286	7,934,045	8,771,006	10,021,398	8,976,304	6,997,443	8,537,885	7,628,918	8,007,361	9,953,029	9,252,897	4,495,772	$ 93,084,366
Total System Economic $	15,974,014	18,653,428	15,962,075	24,701,113	19,572,203	15,100,296	24,050,372	24,833,319	24,922,146	32,665,618	30,064,438	14,342,061	$ 260,941,185
Less Native Load Transfers & Native Load Transfer Savings							11,338,314	10,419,741	10,174,346	23,773,406	17,766,838	6,189,237	$ 79,662,786
Total System Economic $ w/o Native Load Transfers	$ 15,974,014	$ 18,653,428	$ 15,962,075	$ 24,701,113	$ 19,572,203	$ 15,100,296	$ 12,711,058	$ 14,413,578	$ 14,747,800	$ 8,892,210	$ 12,297,600	$ 8,152,824	$ 181,278,399
NC Actual $ (Calc)	$ 10,878,684	$ 12,793,631	$ 10,990,324	$ 16,764,529	$ 13,901,083	$ 10,249,490	$ 8,690,818	$ 9,963,154	$ 10,169,837	$ 6,058,532	$ 8,319,427	$ 5,562,276	$ 123,742,717
Billed rate ($/kWh)	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1664	0.1664	0.1664	
Billed $:	$ 7,462,156	$ 7,104,901	$ 6,714,340	$ 6,372,957	$ 6,486,707	$ 7,482,764	$ 8,311,986	$ 8,845,021	$ 8,839,703	$ 8,039,169	$ 8,271,324	$ 8,730,911	$ 93,651,820
Over (Under) $:	$ (3,416,528)	$ (5,688,730)	$ (4,275,984)	$ (10,391,572)	$ (6,814,376)	$ (2,766,886)	$ (178,832)	$ (1,318,133)	$ (330,134)	$ 1,980,637	$ (48,102)	$ 3,168,634	$ (30,109,797)
Fuel related component of purchased power (renewables)													
System Actual $ - Sch 2 pg 1	$ 4,133,658	$ 3,175,281	$ 3,840,448	$ 3,685,362	$ 3,712,275	$ 3,750,184	$ 3,194,099	$ 3,084,572	$ 3,571,248	$ 4,199,338	$ 3,487,854	$ 2,597,450	$ 42,581,008
Less: REPS correction	187,784	134,844	179,285	175,371	186,140	158,287	119,783	119,271	141,367	183,651	143,554	95,938	$ 1,783,973
System Actual $ - Sch 2 pg 1 ANNUAL VIEW	3,945,875	3,040,437	3,665,161	3,590,011	3,556,135	3,594,917	3,044,308	2,969,301	3,429,881	4,015,687	3,343,700	2,501,514	$ 40,797,125
NC Actual $ (Calc)	$ 2,687,201	$ 2,083,313	$ 2,523,563	$ 2,504,333	$ 2,404,427	$ 2,440,059	$ 2,081,456	$ 2,052,481	$ 2,365,173	$ 2,736,009	$ 2,262,040	$ 1,706,935	$ 27,848,950
Billed rate ($/kWh)	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0335	0.0335	0.0335	0.0335	
Billed $:	$ 1,047,238	$ 997,101	$ 942,789	$ 894,380	$ 910,341	$ 1,047,323	$ 1,194,568	$ 1,213,241	$ 1,661,442	$ 1,357,420	$ 1,396,620	$ 1,472,533	$ 14,134,497
Over (Under) $:	$ (1,639,963)	$ (1,086,212)	$ (1,581,274)	$ (1,610,013)	$ (1,494,084)	$ (1,392,735)	$ (886,886)	$ (839,241)	$ (703,731)	$ (1,378,589)	$ (865,421)	$ (234,402)	$ (13,714,453)
TOTAL Over (Under) $:													$ (43,824,250)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
2% calculation test
Test Period Ended December 31, 2012
Docket E-7, Sub 1023

Smith Workpaper 13b

2011

	Jan11	Feb11	Mar11	Apr11	11-May	11-Jun	11-Jul	11-Aug	11-Sep	11-Oct	11-Nov	11-Dec	12 MM
System KWH Sales - Sch 4	6,049,323,157	6,812,091,884	6,070,598,788	6,060,398,448	6,022,068,699	7,381,119,256	7,788,342,170	8,351,124,039	7,481,207,082	6,046,821,470	5,667,540,474	5,271,930,362	83,392,838,778
NC Retail KWH Sales - Sch 4	5,541,322,301	4,690,652,611	4,114,424,487	4,124,590,178	4,010,233,612	5,000,819,491	5,270,845,977	5,702,668,021	5,136,873,658	4,086,586,907	3,975,774,127	4,301,668,750	55,864,671,828
NC Retail % of Sales (Calc)	68.84%	68.85%	67.78%	68.22%	66.60%	67.76%	67.67%	68.29%	68.65%	67.59%	67.76%	65.59%	66.09%
Link to Sch 4	68.84%	68.85%	67.78%	68.22%	66.60%	67.76%	67.67%	68.29%	68.65%	67.59%	67.76%	65.59%	
	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
Fuel related component of purchased power (economic)													
System Actual $ - Sch 3 Fuel$	$ 18,739,943	$ 8,949,773	$ 7,369,546	$ 6,729,536	$ 9,632,161	$ 13,202,825	$ 12,296,064	$ 16,327,183	$ 9,144,776	$ 10,794,118	$ 12,343,970	$ 10,036,702	$ 130,466,256
System Actual $ - Sch 3 Fuel-related$, Sch 2 pg 1	6,018,456	2,339,937	5,144,277	5,080,615	6,633,694	8,606,615	6,971,664	9,639,885	6,122,295	7,236,998	8,928,907	6,225,082	$ 80,161,430
Total System Economic $	24,758,399	8,289,710	12,513,823	11,810,210	16,065,766	21,811,440	19,267,528	25,267,038	15,267,070	18,033,114	21,272,877	16,260,784	$ 210,618,749
NC Actual $ (Calc)	$ 17,044,199	$ 5,707,444	$ 8,483,403	$ 8,057,292	$ 10,032,648	$ 14,776,588	$ 13,039,016	$ 17,936,774	$ 10,482,935	$ 12,187,045	$ 14,414,221	$ 11,152,623	$ 143,312,583
Billed rate (¢/kWh)	0.1390	0.1390	0.1390	0.1390	0.1390	0.1390	0.1390	0.1390	0.1589	0.1589	0.1589	0.1589	
Billed $:	$ 7,702,438	$ 6,520,007	$ 5,719,050	$ 5,747,080	$ 5,574,225	$ 6,950,861	$ 7,326,158	$ 7,926,710	$ 8,162,492	$ 6,499,606	$ 6,317,505	$ 6,835,348	$ 81,279,621
Over (Under) $:	$ (9,341,761)	$ 812,563	$ (2,762,353)	$ (2,310,212)	$ (4,458,423)	$ (7,826,127)	$ (5,712,818)	$ (10,010,064)	$ (2,320,443)	$ (5,687,439)	$ (8,096,716)	$ (4,317,274)	$ (62,037,068)
Fuel related component of purchased power (renewables)													
System Actual $ - Sch 2 pg 1	$ 517,098	$ 564,583	$ 640,414	$ 625,460	$ 725,889	$ 3,227,830	$ 2,798,721	$ 2,214,936	$ 2,371,820	$ 3,831,696	$ 3,764,341	$ 3,120,942	$ 24,241,825
NC Actual $ (Calc)	$ 355,980	$ 381,875	$ 346,272	$ 426,708	$ 483,883	$ 2,193,591	$ 1,852,036	$ 1,512,496	$ 1,628,648	$ 2,589,516	$ 2,550,668	$ 2,140,530	$ 18,481,704
Billed rate (¢/kWh)	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0158	0.0223	0.0223	0.0223	0.0223	
Billed $	$ 864,446	$ 731,742	$ 641,850	$ 644,996	$ 625,596	$ 780,097	$ 822,221	$ 689,616	$ 1,145,523	$ 913,312	$ 886,559	$ 959,272	$ 9,903,265
Over (Under) $:	$ 508,467	$ 349,867	$ 276,578	$ 218,288	$ 142,212	$ (1,413,494)	$ (1,029,816)	$ (822,880)	$ (483,125)	$ (1,676,205)	$ (1,664,070)	$ (1,181,258)	$ (8,578,439)
TOTAL Over (Under) $:													$ (64,615,506)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Year	Reference	MWH Net Output	MWH Line Loss/ Company Use	Average Line Loss/ Co. Use %
1	2008	Prior fuel filing	90,943,002	5,234,947	
2	2009	Prior fuel filing	84,321,352	5,181,728	
3	2010	Prior fuel filing	90,359,224	5,683,489	
4	2011	Prior fuel filing	87,535,397	4,792,382	
5	2012	Exhibit 6	86,224,791	5,214,250	
6	5 Years	Sum L1:L5	439,383,766	26,106,795	5.94%
7	Line Loss/Co. Use Factor		((1/(1-L6))		1.0632

Subject: Median Hydro Generation 1982 - 2012

The table below summarizes the updated 31 year median hydro generation for the historical calendar year period 1982 - 2012.

Duke Energy

MEDIAN CONVENTIONAL HYDRO GENERATION (MWH)
(Pumped Storage Hydro plants are not included)
31 YEARS 1982 - 2012

	Median Year	System Total	R-O-R	Storage	Nantahala
January	1994	222,000	10,500	173,400	38,100
February	2004	170,700	10,800	122,000	37,900
March	1982	220,000	10,600	163,800	45,600
April	1996	154,600	13,000	114,900	26,700
May	2005	128,200	8,400	84,400	35,400
June	1987	124,700	4,900	81,700	38,000
July	1998	96,900	6,000	69,000	22,000
August	1993	109,200	5,000	77,300	26,900
September	1983	106,800	4,700	64,500	37,700
October	1984	98,700	4,800	66,900	27,000
November	1984	103,000	5,100	68,100	29,800
December	1995	169,700	9,600	104,200	55,800
TOTALS		1,704,500	93,400	1,190,200	420,900

Note: The Run-of-River (R-O-R), Storage, and Nantahala Medians do not necessarily correspond to the year of the System Median.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012
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Line No.	Year	Reference to NC Fuel Filing	Jocassee Pumped Storage Output	Jocassee Pumping Input	Bad Creek Pumped Storage Output	Bad Creek Pumping Input	System Total Net
1	2008	Sch 10, p. 6 of 6	1,083,815	1,387,130	2,554,294	3,210,183	(959,204)
2	2009	Sch 10, p. 6 of 6	926,568	1,148,967	1,917,824	2,417,800	(722,375)
3	2010	Sch 10, p. 6 of 6	925,837	1,077,790	2,041,348	2,578,364	(688,869)
4	2011	Sch 10, p. 6 of 7	917,215	1,042,175	1,997,078	2,532,517	(860,399)
5	2012	Sch 10, p. 6 of 7	928,617	1,103,984	1,752,364	2,218,596	(641,599)
6	Average		956,410	1,152,009	2,052,582	2,591,492	(734,509)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 17

Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Year	Reference	Actual Generation from CTs		
			Oil MWH	Gas CT MWH	Total MWH
1	2010	Schedule 5	(9,500)	612,241	602,741
2	2011	Schedule 5	40,811	700,504	741,315
3	2012	Schedule 5	6,865	916,328	923,193
4	Total	Sum L1:L3	38,176	2,229,073	2,267,249
5	Average	Calc	**12,725**	**743,024**	**755,750**

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 18

Test Period Ended December 31, 2012
Docket E-7, Sub 1033

	January	February	March	April	May	June	Total
	1	2	3	4	5	6	
Fuel Savings - Gross for current month							
DEC Fuel Savings - Gross							
. Coal Blending	$ 1,383,822	$ 1,531,341	$ 1,223,878	$ 1,445,766	$ 1,362,588	$ 1,910,429	8,857,824
. Coal Commodity	159,879	171,243	127,638	86,616	85,702	20,858	651,936
. Coal Transportation	-	-	-	-	-	-	-
. Natural Gas / Oil	-	-	-	-	-	-	-
. Reagents	14,213	7,899	12,582	4,023	36,103	66,374	141,194
. Avoided Gas Desk O&M Cost	-	-	-	-	-	-	-
subtotal - DEC fuel savings	1,557,914	1,710,483	1,364,098	1,536,405	1,484,393	1,997,661	9,650,954
PEC Fuel Savings - Gross for current month							
. Coal Blending	-	-	-	-	-	-	-
. Coal Commodity	-	-	-	70,567	112,326	296,607	479,500
. Coal Transportation	-	-	-	75,137	106,683	124,184	306,004
. Natural Gas / Oil	-	-	-	-	-	-	-
. Reagents	35,182	35,046	70,300	60,565	38,762	46,962	286,817
. Avoided Gas Desk O&M Cost	-	-	-	-	-	-	-
subtotal - PEC fuel savings	35,182	35,046	70,300	206,269	257,771	467,753	1,072,321
Total - Fuel Saving -Gross	1,593,096	1,745,529	1,434,398	1,742,674	1,742,164	2,465,414	10,723,275
DEC sharing ratio July - Dec	0.58777968	0.58777968	0.58777968	0.58777968	0.58777968	0.58777968	
PEC sharing ratio July - Dec	0.41222032	0.41222032	0.41222032	0.41222032	0.41222032	0.41222032	
Total DEC share	936,389	1,025,986	843,110	1,024,308	1,024,009	1,449,120	6,302,923
Total PEC share	656,707	719,543	591,288	718,366	718,155	1,016,294	4,420,352
DEC gross	1,557,914	1,710,483	1,364,098	1,536,405	1,484,393	1,997,661	9,650,954
DEC net share	936,389	1,025,986	843,110	1,024,308	1,024,009	1,449,120	6,302,923
Amount to be shared with PEC	(621,525)	(684,497)	(520,988)	(512,097)	(460,384)	(548,541)	(3,348,031)
	68.10%	68.59%	68.85%	67.87%	67.61%	67.88%	
	(423,273)	(469,468)	(358,714)	(347,558)	(311,282)	(372,323)	(2,282,619)
PEC gross	35,182	35,046	70,300	206,269	257,771	467,753	1,072,321
PEC net share	656,707	719,543	591,288	718,366	718,155	1,016,294	4,420,352
Amount to be received from DEC	621,525	684,497	520,988	512,097	460,384	548,541	3,348,031

	Adjusted test period sales MWhs	Adjusted test period sales as a % of total MWh sales	Amount to be shared with PEC allocated as a % of total MWh sales
Residential	21,143,695	38.07%	(868,993)
General	22,112,646	39.82%	(908,939)
Industrial	12,278,269	22.11%	(504,687)
	55,534,611	100.00%	(2,282,619)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 19

Test Period Ended December 31, 2012
Docket E-7, Sub 1033
MWhs

Line #	Description	Reference	NORTH CAROLINA	SOUTH CAROLINA	Retail TOTAL COMPANY	% NC	% SC
1	RESIDENTIAL	RAC001	20,121,712	6,157,414	26,279,126	76.57	23.43
2	Total General Service	RAC001	22,116,267	5,649,488	27,765,755		
3	less Lighting and Traffic Signals		739,161	227,740	966,901		
4	General Service subject to weather		21,377,106	5,421,748	26,798,854	79.77	20.23
	INDUSTRIAL						
5	Textile	RAC001	2,794,192	1,125,375	3,919,567	71.29	28.71
6	Other Industrial	RAC001	9,523,736	7,534,250	17,057,986	55.83	44.17
7	Total Industrial		12,317,928	8,659,625	20,977,553	58.72	41.28
8	Total Retail Sales	1+2+7	54,555,907	20,468,527	75,022,434		
9	Total Retail Sales subject to weather	1+4+7	53,816,746	20,238,787	74,055,533	72.67	27.33

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment
Docket E-7, Sub 1093

Line #	Description	REFERENCE MWH	REFERENCE %	Total Company MWH	NC RETAIL % To Total	NC RETAIL MWH	SC RETAIL % To Total	SC RETAIL MWH
	Residential							
1	Total Residential			1,274,546	76.57	975,920	23.43	298,626
	General Service							
2	Total General Service			90,927	79.77	72,533	20.23	18,395
	Industrial							
3	Textile			(10,161)	71.29	(7,243)	28.71	(2,917)
4	Other			(26,777)	55.83	(14,950)	44.17	(11,827)
5	Total Industrial			(36,937)	58.72	(22,193)	41.28	(14,744)
6	Total Retail	L1:L2 + L5		1,328,536		1,026,260		302,277
7	Wholesale			127,409				
8	Total Company	L6 + L7		1,455,945		1,026,260		302,277

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment
Docket E-7, Sub 1033

2012	TOTAL MWH ADJUSTMENT
JAN	228,976
FEB	299,365
MAR	263,635
APR	297,306
MAY	(49,081)
JUN	65,830
JUL	(160,338)
AUG	(22,169)
SEP	186,835
OCT	101,001
NOV	(63,599)
DEC	126,785
ANN. SUM	1,274,546

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment- General
Docket E-7, Sub 1033

2012	Non-TOD Non-Electric Heat	Non-TOD Electric Heat	TOD Non-Electric Hat	TOD Electric Heat	TOTAL MWH ADJUSTMENT
JAN	14,370	3,802	(7,783)	2,631	13,020
FEB	18,782	4,981	(10,278)	3,607	17,092
MAR	14,573	2,862	(13,413)	2,909	6,931
APR	15,423	2,354	(17,622)	3,124	3,279
MAY	(7,478)	(4,562)	(9,543)	(1,303)	(22,886)
JUN	6,392	3,026	3,558	1,151	14,127
JUL	(19,581)	(10,737)	(18,778)	(3,454)	(52,550)
AUG	(2,699)	(1,496)	(2,575)	(478)	(7,247)
SEP	22,897	12,648	22,001	4,109	61,655
OCT	13,962	8,171	15,710	2,421	40,265
NOV	(1,130)	1,326	9,193	(318)	9,071
DEC	8,064	2,249	(3,677)	1,536	8,171
ANN. SUM	83,575	24,625	(33,209)	15,936	90,927

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment- Industrial
Docket E-7, Sub 1033

2012	TEXTILES	OTHER INDUSTRIAL	TOTAL MWH ADJUSTMENT
JAN	(1,568)	(4,183)	(5,751)
FEB	(3,132)	(8,360)	(11,492)
MAR	(5,402)	(14,755)	(20,157)
APR	(4,067)	(11.073)	(15,140)
MAY	(3.529)	(9,952)	(13,481)
JUN	4.542	12.862	17,403
JUL	(10,500)	(29,717)	(40,217)
AUG	3,315	9.381	12,696
SEP	5.750	16.285	22,035
OCT	5,126	14,385	19,511
NOV	2,483	6,834	9,317
DEC	(3,179)	(8,484)	(11,664)
ANN. SUM	(10,161)	(26,777)	(36,937)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment- Wholesale
Docket E-7, Sub 1033

2012	TOTAL MWH ADJUSTMENT
JAN	31,280
FEB	23,892
MAR	43,059
APR	12,244
MAY	(6,383)
JUN	2,534
JUL	(16,366)
AUG	9,029
SEP	16,022
OCT	2,590
NOV	(19,217)
DEC	28,725
ANN. SUM	127,409

Note: The Resale customers include:

1 Concord
2 Dallas
3 Forest City
4 Kings Mountain
5 Due West
6 Prosperity
7 Lockhart
8 Western Carolina University
9 City of Highlands
10 Haywood
11 Piedmont
12 Rutherford
13 Blue Ridge
14 Greenwood

DUKE ENERGY CAROLINAS
Customer Growth Adjustment to KWH Sales
Twelve Months Ended December 31, 2012

Rate Schedule	Reference	NC Proposed KWH [1] Adjustment	SC Proposed KWH Adjustment	Wholesale Proposed KWH Adjustment
NC Residential	ND-310/1	46,063,236	15,983,294	
NC General:				
General Service Small and Large	ND-330	(78,013,556)	(13,358,995)	
T2 Flood Lighting/Outdoor Lighting	ND-310/2	(1,406,241)	1,740,247	
Miscellaneous	ND-310/3	318,397	243,176	
Total General		(79,101,400)	(11,375,572)	
NC Public Street Lighting:				
T	ND-310/4	3,070,775	161,167	
TS	ND-310/5	(122,998)	59,808	
Total Street Lighting		2,947,777	220,975	
NC Industrial:				
I - Textile	ND-330	(946,436)	(1,007,571)	
I - Nontextile	ND-330	(16,519,327)	(1,668,123)	
Total Industrial		(17,465,764)	(2,675,694)	
Total		(47,556,150)	2,153,003	14,471,452

[1] Using the regression method (Residential, Lighting, Misc classes) and a customer by customer method for General Service and Industrial

DUKE ENERGY CAROLINAS
Calculation of Customer Growth Adjustment to KWH Sales - Wholesale
Twelve Months Ended December 31, 2012

Line No.		Reference	
1	Total System Resale (kWh Sales)	RAC001	6,130,366,441
2	Less Intersystem Sales	Schedule 1	1,141,573
3	KWH Sales Excluding Intersystem Sales	L1 - L2	6,129,224,868
4	Total Residential Growth Factor	Line 8	0.2361
5	Adjustment to KWH's - Wholesale	L3 * L4 / 100	14,471,452
6	Total System Retail Residential kWh Sales	RAC001	26,279,126,866
7	2012 Proposed Adjustment KWH - Residential (NC+SC)	ND310	62,046,530
8	Percent Adjustment	L7 / L6 * 100	0.2361

"RAC001": CarolinasOperating Revenue Report

DUKE ENERGY CAROLINAS
Customer Growth Adjustment to KWH Sales
Twelve Months Ended December 31, 2012
Customer by Customer Approach

NC	Rate Schedule	No. of Bills New Accounts	Test Yr Consumption New Accounts	(a) Unrealized Sales from New Accounts (kWh)	No. of Bills Closed Accounts	(b) Lost Sales from Closed Accounts	Net Adjustment to Growth (a minus b)
NC							
NC	GENL NTEX	32,375	64,207,556	68,652,550	77,333	146,666,106	(78,013,556)
NC	INDL NTEX	163	8,947,590	8,847,597	830	25,366,924	(16,519,327)
NC	INDL TEX	21	393,154	188,410	68	1,134,846	(946,436)
NC	Total	32,559	73,548,300	77,688,557	78,231	173,167,876	(95,479,319)

SC	Rate Schedule	No. of Bills New Accounts	Test Yr Consumption New Accounts	(a) Unrealized Sales from New Accounts (kWh)	No. of Bills Closed Accounts	(b) Lost Sales from Closed Accounts	Net Adjustment to Growth (a minus b)
SC							
SC	GENL NTEX	9,531	19,863,363	20,275,925	21,277	33,634,920	(13,358,995)
SC	INDL NTEX	66	4,486,152	3,323,226	245	4,991,349	(1,668,123)
SC	INDL TEX				19	1,007,571	(1,007,571)
SC	Total	9,597	24,349,515	23,599,151	21,541	39,633,840	(16,034,689)

(a): Estimated from individual accounts and bills
(b): Calculated from individual accounts and bills

The method uses the estimated lost sales from closed accounts, offset by the unrealized sales from newly established accounts with less than the full complement of bills (normally 12) issued during the year. The method was first approved for use in Docket E-7 Sub 909; see Bailey Direct Testimony pages 5,6 for a more detailed explanation and rationale

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh
Twelve Months Ended Dec 31 2012
North Carolina Retail

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [3]	Number of Customers: Increase (Decrease)	KWH Consumption [4]	Average Per Customer	Increase (Decrease) in KWh
January	1,592,490	1,600,367	7,877	2,052,553,641	1,289	10,153,453
February	1,592,911	1,600,367	7,456	1,785,443,480	1,121	8,358,176
March	1,594,367	1,600,367	6,000	1,576,390,855	989	5,934,000
April	1,594,956	1,600,367	5,411	1,252,704,582	785	4,247,635
May	1,595,500	1,600,367	4,867	1,320,093,240	827	4,025,009
June	1,596,272	1,600,367	4,095	1,638,140,493	1,026	4,201,470
July	1,597,773	1,600,367	2,594	2,159,210,131	1,351	3,504,494
August	1,598,508	1,600,367	1,859	2,137,529,484	1,337	2,485,483
September	1,598,686	1,600,367	1,681	1,773,807,828	1,110	1,865,910
October	1,598,501	1,600,367	1,866	1,271,002,314	795	1,483,470
November	1,600,025	1,600,367	342	1,428,842,882	893	305,406
December	1,600,832	1,600,367	(465)	1,725,993,659	1,078	(501,270)
Total	19,160,821		43,583	20,121,712,389		46,063,236

[1] Carolinas ORR Jan-Dec 2012
[4] Carolinas ORR Jan-Dec 2012
[3] Using Polynomial Cubic 24 Month Regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh
Twelve Months Ended Dec 31 2012
North Carolina Retail

Smith Workpaper 21
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GENERAL T2 (Outdoor Lighting)
Schedules 25,34,35,36,26,37,38,39,94,95,96
(includes NPL yard and flood lighting)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	277,900	275,362	(2,538)	41,309,482	149	(378,162)
February	275,512	275,362	(150)	40,681,612	148	(22,200)
March	277,314	275,362	(1,952)	40,992,971	148	(288,896)
April	275,085	275,362	277	40,783,584	148	40,996
May	276,142	275,362	(780)	40,967,603	148	(115,440)
June	273,080	275,362	2,282	40,557,043	149	340,018
July	276,769	275,362	(3,407)	41,419,562	149	(507,843)
August	273,210	275,362	2,152	40,638,593	149	320,848
September	279,011	275,362	(3,649)	41,123,566	147	(536,403)
October	278,480	275,362	(3,118)	41,095,891	148	(461,464)
November	275,623	275,362	(261)	40,859,325	148	(38,628)
December	273,745	275,362	1,617	40,705,161	149	240,933
Total	3,313,871		(9,527)	491,314,393		(1,406,241)

[1] Per Book by Rate Schedule Page 8 attached
[2] Using polynomial quartic 48 month regression
Note: NPL unmetered signs included with Public Lighting

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh
Twelve Months Ended December 31 2012
North Carolina Retail

Smith Workpaper 21
Page 6

GENERAL-MISC.
Schedules 49 (BC)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	4,260	4,686	426	948,459	223	94,998
February	4,172	4,686	514	973,584	233	119,762
March	4,388	4,686	298	797,557	182	54,236
April	4,453	4,686	233	616,592	138	32,154
May	4,560	4,686	126	571,850	125	15,750
June	4,596	4,686	90	682,903	144	12,960
July	4,643	4,686	43	751,216	162	6,966
August	4,646	4,686	40	727,609	157	6,280
September	4,744	4,686	(58)	651,894	137	(7,946)
October	4,811	4,686	(125)	523,308	109	(13,625)
November	4,701	4,686	(15)	779,946	166	(2,490)
December	4,680	4,686	(4)	758,274	162	(648)
Total	54,684		1,568	8,763,192		318,397

[1] Per Book by Rate Schedule Page 4 attached
[2] Using polynomial cubic 12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh

Twelve Months Ended December 31 2012

North Carolina Retail

Smith Workpaper 21

Page 7

GENERAL T (Public and Govt Lighting)

Schedule 72,73,74,75

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) In KWh
January	5,279	5,376	97	19,626,814	3,718	360,646
February	5,244	5,376	132	19,651,634	3,747	494,604
March	5,240	5,376	138	19,637,349	3,748	509,728
April	5,209	5,376	167	19,624,399	3,767	629,089
May	5,359	5,376	17	19,705,973	3,677	62,509
June	5,249	5,376	127	19,701,720	3,753	476,631
July	5,435	5,376	(59)	19,735,428	3,631	(214,229)
August	5,268	5,376	108	19,716,875	3,743	404,244
September	5,371	5,376	5	19,744,417	3,676	18,360
October	5,371	5,376	5	19,766,935	3,680	18,400
November	5,333	5,376	43	19,768,573	3,707	159,401
December	5,335	5,376	41	19,695,607	3,692	151,372
Total	63,693		819	236,375,724		3,070,775

[1] Per Book by Rate Schedule Page 1. New Schedule GL (73,74,75) included beginning 2010

[2] Using polynomial Cubic 48 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh

Twelve Months Ended December 31 2012

North Carolina Retail

Smith Workpaper 21

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GENERAL TS

Schedule 83

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	5,734	5,616	(118)	1,052,360	184	(21,712)
February	5,709	5,616	(93)	944,416	165	(15,345)
March	5,723	5,616	(107)	955,003	167	(17,869)
April	5,706	5,616	(90)	961,785	169	(15,210)
May	5,730	5,616	(114)	901,657	157	(17,898)
June	5,640	5,616	(24)	961,116	170	(4,080)
July	5,713	5,616	(97)	939,207	164	(15,908)
August	5,640	5,616	(24)	940,936	167	(4,008)
September	5,622	5,616	(6)	954,609	170	(1,020)
October	5,704	5,616	(88)	925,723	162	(14,256)
November	5,630	5,616	(14)	954,425	170	(2,380)
December	5,578	5,616	38	979,742	176	6,688
Total	68,129		(737)	11,471,161		(122,998)

1 Per Book by Rate Schedule Page 2

[2] Using linear 12 month regression

RESIDENTIAL

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs
Twelve Months Ended December 31, 2012
South Carolina Retail

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [4]	Average Per Customer	Increase (Decrease) In KWh
January	454,717	457,241	2,524	620,513,075	1,365	3,445,260
February	455,053	457,241	2,188	536,456,051	1,179	2,579,652
March	455,546	457,241	1,695	459,027,591	1,008	1,708,560
April	455,401	457,241	1,840	385,882,606	847	1,558,480
May	455,894	457,241	1,347	411,595,345	903	1,216,341
June	455,935	457,241	1,306	522,268,634	1,145	1,495,370
July	456,614	457,241	627	683,840,454	1,498	939,248
August	456,332	457,241	909	667,940,089	1,464	1,330,776
September	456,282	457,241	959	550,767,430	1,207	1,157,513
October	456,339	457,241	902	387,130,969	848	764,896
November	457,165	457,241	76	419,192,832	917	69,692
December	457,493	457,241	(252)	512,799,401	1,121	(282,492)
Total	5,472,771		14,121	6,157,414,477		15,983,294

[1] Carolinas Operating Revenue Report Summary
[2] Carolinas Operating Revenue Report Summary
[4] Using Polynomial Quartic 36 Month Regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs
Twelve Months Ended December 31, 2012
South Carolina Retail

Smith Workpaper 21
Page 10
GENERAL T2 (Outdoor Lighting)
Schedules 25,32,34,35,36,26,37,38,39,95,96
(includes Greenwood SL)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh	kWh for T2	kwh for SL *
January	116,812	118,125	1,313	15,109,623	129	169,377	15,080,081	29,542
February	116,938	118,125	1,187	15,569,705	133	157,871	15,540,361	29,344
March	116,899	118,125	1,226	15,483,642	132	161,832	15,454,220	29,422
April	116,998	118,125	1,127	15,524,512	133	149,891	15,495,091	29,421
May	116,415	118,125	1,710	15,445,783	133	227,430	15,416,161	29,602
June	117,329	118,125	796	15,592,593	133	105,868	15,563,095	29,498
July	116,935	118,125	1,190	15,585,239	133	158,270	15,555,939	29,300
August	116,924	118,125	1,201	15,520,010	133	159,733	15,490,550	29,460
September	116,924	118,125	1,201	15,363,152	131	157,331	15,333,808	29,344
October	116,777	118,125	1,348	15,455,773	132	177,938	15,426,465	29,308
November	117,178	118,125	947	15,524,575	132	125,004	15,495,412	29,163
December	118,203	118,125	(78)	15,575,221	132	(10,298)	15,546,131	29,090
Total	1,404,332		13,168	185,749,808		1,740,247	185,397,314	352,494

[1] Per Book by Rate Schedule Pages 14 (Misc T2-Greenwood) and Page 18 attached

[2] Using Polynomial Quartic 12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs
Twelve Months Ended December 31, 2012
South Carolina Retail

Smith Workpaper 21
Page 11

GENERAL-MISC.
Schedules 33, 49 (BC and EH)

Month	Number of Customers: Actual # of Customers[1]	Number of Customers: Projected[2]	Number of Customers: Increase (Decrease)	KWH Consumption[1]	Average Per Customer	Increase (Decrease) in KWh
January	1,274	1,603	329	296,634	233	76,657
February	1,299	1,603	304	231,714	178	54,112
March	1,354	1,603	249	287,103	212	52,788
April	1,379	1,603	224	49,503	36	8,064
May	1,446	1,603	157	141,602	98	15,386
June	1,478	1,603	125	161,419	109	13,625
July	1,533	1,603	70	222,592	145	10,150
August	1,554	1,603	49	230,274	148	7,252
September	1,583	1,603	20	198,121	125	2,500
October	1,584	1,603	19	164,311	104	1,976
November	1,596	1,603	7	187,125	117	819
December	1,604	1,603	(1)	246,086	153	(153)
Total	17,684		1,552	2,416,484		243,176

[1] Per Book by Rate Schedule Page 12
[2] Using polynomial quartic12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs
Twelve Months Ended December 31, 2012
South Carolina Retail

Smith Workpaper 21
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GENERAL TS
Schedule 83

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	1,419	1,467	48	208,290	147	7,056
February	1,423	1,467	44	183,108	129	5,676
March	1,424	1,467	43	187,414	132	5,676
April	1,421	1,467	46	193,663	136	6,256
May	1,417	1,467	50	183,141	129	6,450
June	1,423	1,467	44	197,006	138	6,072
July	1,427	1,467	40	195,487	137	5,480
August	1,441	1,467	26	194,881	135	3,510
September	1,430	1,467	37	196,669	138	5,106
October	1,428	1,467	39	190,810	134	5,226
November	1,439	1,467	28	198,683	138	3,864
December	1,471	1,467	(4)	207,613	141	(564)
Total	17,163		441	2,336,743		59,808

1 Per Book by Rate Schedule Page 10
2 Using Polynomial Quartic 12 month regression

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 22

Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Year 2012	AC- Energy	AC- Capacity	North Carolina AC- Energy	North Carolina AC- Capacity	NC Retail MWH Sales	Total sales from fuel report less intersystem	% of NC to total sales from fuel report	Plant allocator NC	Plant allocator Resid	General	Industrial
January	$ (236,971)	$ (38,781)	(161,383)	(26,411)	4,696,133	6,895,691	68.10%	0.00%	46.04%	37.53%	16.43%
February	$ (168,871)	$ (27,734)	(115,822)	(19,022)	4,471,304	6,519,271	68.59%	0.00%	46.04%	37.53%	16.43%
March	$ (218,661)	$ (35,918)	(150,554)	(24,731)	4,225,513	6,137,030	68.85%	0.00%	46.04%	37.53%	16.43%
April	$ (220,235)	$ (38,158)	(149,473)	(25,898)	4,010,671	5,909,384	67.87%	0.00%	46.04%	37.53%	16.43%
May(1)	$ (198,242)	$ (32,688)	(134,038)	(22,101)	4,082,258	6,037,638	67.61%	0.00%	46.04%	37.53%	16.43%
June	$ (196,371)	$ (32,383)	(133,287)	(21,980)	4,696,516	6,919,337	67.88%	0.00%	46.04%	37.53%	16.43%
July	$ (150,373)	$ (24,834)	(102,813)	(16,980)	5,356,807	7,834,783	68.37%	0.00%	46.04%	37.53%	16.43%
August	$ (144,778)	$ (21,982)	(100,076)	(15,195)	5,440,542	7,870,768	69.12%	0.00%	46.04%	37.53%	16.43%
September	$ (173,415)	$ (28,550)	(119,583)	(21,784)	4,959,528	7,192,113	68.96%	76.30%	43.28%	38.06%	18.66%
October	$ (227,572)	$ (37,482)	(155,052)	(28,599)	4,052,001	5,947,190	68.13%	76.30%	43.28%	38.06%	18.66%
November	$ (179,071)	$ (29,504)	(121,143)	(22,511)	4,169,014	6,162,548	67.65%	76.30%	43.28%	38.06%	18.66%
December	$ (118,150)	$ (19,565)	(80,608)	(14,928)	4,395,620	6,442,815	68.23%	76.30%	43.28%	38.06%	18.66%
Total	$ (2,232,710)	$ (367,579)	(1,523,832)	(260,138)	54,555,907	79,868,568	68.31%				

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Summary Comparison of Fuel and Fuel Related Cost Factors
Test Period Ended December 31, 2012
Billing Period September 2013 - August 2014
Docket E-7, Sub 1033

Smith Exhibit 1

Line #	Description	Reference	Residential cents/KWh	General cents/KWh	Industrial cents/KWh
	Current Fuel and Fuel Related Cost Factors (Approved Fuel Rider Docket No. E-7, Sub 1002)				
1	Approved Fuel and Fuel Related Costs Factors	Input	2.2224	2.2463	2.2594
2	Current Merger Savings decrement cents/kWh (Docket E-7, Sub 986)*	Workpaper 2	(0.0707)	(0.0509)	(0.0379)
3	EMF Increment	Input	0.0360	0.0323	0.0318
4	Approved Net Fuel and Fuel Related Costs Factors	Sum	2.1877	2.2277	2.2533
	Fuel and Fuel Related Cost Factors Required by Rule R8-55				
5	Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales	Exh 2 Sch 2 pg 2	2.1512	2.1989	2.2314
6	NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales	Exh 2 Sch 3 pg 2	2.2615	2.2860	2.2975
	Proposed Fuel and Fuel Related Cost Factors using Proposed Nuclear Capacity Factor of 92.84%				
7	Fuel and Fuel Related Costs excluding Purchased Capacity cents/kWh	Exh 2 Sch 1 pg 2	2.2070	2.3355	2.3752
8	Purchased Power - Capacity cents/kWh	Exh 2 Sch 1 pg 2	0.0253	0.0204	0.0200
9	Total adjusted Fuel and Fuel Related Costs cents/kWh	Sum	2.2323	2.3559	2.3952
10	EMF Decrement cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)
11	EMF Interest Decrement cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)
12	Net Fuel and Fuel Related Costs Factors cents/kWh	Sum	2.1877	2.2277	2.2533

*excludes gross receipts tax and regulatory fee

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Unit	Reference	MDC Rating (MW)	Hours in Year	Capacity Factor	Generation (MWH)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	B	D/(A*B)=C	D	E	D * E = F
1	Catawba 1	Workpaper 3	1,129	8,760	89.85%	8,885,994	0.6534	58,059,461
2	Catawba 2	Workpaper 3	1,129	8,760	92.01%	9,099,772	0.7078	64,408,351
3	McGuire 1	Workpaper 3	1,129	8,760	98.25%	9,717,272	0.6585	63,992,207
4	McGuire 2	Workpaper 3	1,129	8,760	93.26%	9,223,879	0.6627	61,127,783
5	Oconee 1	Workpaper 3	846	8,760	99.89%	7,402,727	0.6787	50,242,789
6	Oconee 2	Workpaper 3	846	8,760	84.02%	6,226,615	0.6964	43,360,558
7	Oconee 3	Workpaper 3	846	8,760	91.94%	6,813,773	0.6836	46,576,393
8	Total Nuclear	Workpaper 5 & 6	7,054		92.84%	57,370,032	0.6759	387,767,542
9	Coal	Workpaper 5 & 6				26,277,775	3.8023	999,170,804
10	Gas CT and CC	Workpaper 5 & 6				10,016,167	3.2554	326,064,809
11	Reagents	Workpaper 11				-		41,840,169
12	Total Fossil	Sum				36,293,942		1,367,075,782
13	Hydro	Workpaper 5				1,779,845		
14	Net Pumped Storage	Workpaper 5				(798,620)		
15	Total Hydro	Sum				981,225		
16	Total Generation	Line 8 + Line 12 + Line 15				94,645,199		1,754,843,324
17	Less Catawba Joint Owners	Workpaper 5				(13,929,209)		(94,148,372)
18	Net Generation	Sum				80,715,990		1,660,694,952
19	Purchases	Workpaper 5 & 6				9,448,043		336,257,185
20	JDA Savings Shared	Workpaper 7				-		8,791,208
21	Total Purchases					9,448,043		345,048,393
22	Total Generation and Purchases	Line 18 + Line 21				90,164,033		2,005,743,345
23	Adjustment to exclude cost of mitigation sales	Workpaper 5 & 7				(803,900)		(29,839,400)
24	Fuel expense recovered through intersystem sales	Workpaper 5 & 7				(1,683,858)		(66,967,909)
25	Line losses and Company use					(5,287,395)		-
26	System Fuel Expense for Fuel Factor	Lines 22 + 23 + 24						1,908,936,036
27	Projected System MWh Sales for Fuel Factor	Lines 22 + 23 + 24 + 25 and Workpaper 9				82,388,880		82,388,880
28	Fuel and Fuel Related Costs cents/kWh	Line 26/Line 27/10						2.3170

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Projected Billing Period MWH Sales	Workpaper 9	20,955,314	22,316,250	12,244,753	55,516,317
	Calculation of Renewable and Cogeneration Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity	Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jursidicational % based on Production Plant Allocator	Input				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Input	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0253	0.0204	0.0200	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.2070	2.3355	2.3752	
11	Purchased Power - Capacity cents/kWh	Line 9	0.0253	0.0204	0.0200	
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.2323	2.3559	2.3952	
13	EMF Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)	
14	EMF Interest Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)	
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 1 Page 3	2.1877	2.2277	2.2533	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 92.84%
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Rate Class	Projected Billing Period MWH Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (Including renewables and EMF) E-7, Sub 1002	Proposed Total Fuel Rate (Including renewables and EMF)
		A	B	C	D	E	F	G	H
		Workpaper 9	Workpaper 10	Line 18 as a % of Column B	C / B	If D=0 then 0 If not then (C*100)/(A*1000)	Exhibit 7, Page 2 cents/kwh	Exhibit 3 Schedule 2c, page 2 cents/kwh	E + F + G = H
1	Residential	20,955,314	$ 2,128,247,266	$ 69,787	0.00%	-	(0.0707)	2.2584	2.1877
2	General Service/Lighting	22,316,250	1,756,843,269	$ 7,609	0.00%	-	(0.0508)	2.2786	2.2277
3	Industrial	12,244,753	739,175,088	24,238	0.00%	-	(0.0379)	2.2912	2.2533
4	NC Retail	55,516,317	$ 4,624,265,623	$ 151,634					

Total Proposed Composite Fuel Rate:

5	System Total Fuel Costs	Exhibit 2 Sch 1, Page 1	$ 1,908,936,036
6	Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 1, Page 2	17,130,124
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,891,805,912
8	Projected System MWh Sales for Fuel Factor	Workpaper 9	82,388,880
9	NC Retail Projected Billing Period MWH Sales	Line 4	55,516,317
10	Allocation %	Line 8 / Line 9	67.38%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,274,698,756
12	NC Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 1, Page 2	12,302,413
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,287,001,169
14	NC Retail Projected Billing Period MWH Sales	Line 4	55,516,317
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.3182
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	(0.0852)
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	(0.0142)
18	Total Proposed Composite Fuel Rate	Sum of lines 17-19	2.2188

Total Current Composite Fuel Rate - Docket E-7 Sub 1001:

19	Current composite Fuel Rate cents/kWh	Supp Mc Manus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0555)
23	Current composite EMF Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	0.0003
27	NC Retail Projected Billing Period MWH Sales	Line 4	55,516,317
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ 151,634

Note: Rounding differences may occur

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Unit	Reference	MDC Rating (MW)	Hours in Year	Capacity Factor	Generation (MWH)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	B	D/(A*B)=C	D	E	D * E = F
1	Catawba 1	Workpaper 3	1,129	8,760	89.85%	8,885,994	0.6534	58,059,461
2	Catawba 2	Workpaper 3	1,129	8,760	92.01%	9,099,772	0.7078	64,408,351
3	McGuire 1	Workpaper 3	1,129	8,760	98.25%	9,717,272	0.6585	63,992,207
4	McGuire 2	Workpaper 3	1,129	8,760	93.26%	9,223,879	0.6627	61,127,783
5	Oconee 1	Workpaper 3	846	8,760	99.89%	7,402,727	0.6787	50,242,789
6	Oconee 2	Workpaper 3	846	8,760	84.02%	6,226,615	0.6964	43,360,558
7	Oconee 3	Workpaper 3	846	8,760	91.94%	6,813,773	0.6836	46,576,393
8	Total Nuclear		7,054		92.84%	57,370,032	0.6759	387,767,542
9	Coal	Calculated				25,005,603	3.8023	950,798,492
1	Gas CT	Workpaper 17				755,750	3.4520	26,088,479
10	Gas CC	Workpaper 5				9,456,110	3.1557	298,403,910
11	Reagents	Workpaper 11				-		41,840,169
12	Total Fossil	Sum				35,217,463		1,317,131,050
13	Hydro	Workpaper 15				1,704,500		
14	Net Pumped Storage	Workpaper 16				(734,509)		
15	Total Hydro	Sum				969,991		
16	Total Generation	Line 8 + Line 12 + Line 15				93,557,486		1,704,898,592
17	Less Catawba Joint Owners					(13,929,209)		(94,148,372)
18	Net Generation	Sum				79,628,277		1,610,750,219
19	Purchases	Workpaper 5 & 6				9,448,043		336,257,185
20	JOA Savings Shared	Workpaper 7				-		8,791,208
21	Total Purchases	Sum				9,448,043		345,048,393
22	Total Generation and Purchases	Line 18 + Line 21				89,076,320		1,955,798,612
23	Adjustment to exclude cost of mitigation sales	Workpaper 5 & 7				(803,900)		(29,839,400)
24	Fuel expense recovered through intersystem sales	Workpaper 5 & 7				(1,683,858)		(66,967,909)
25	Line losses and Company use	Workpaper 14				(5,294,981)		-
26	System Fuel Expense for Fuel Factor							1,858,991,303
27	Projected System MWh Sales for Fuel Factor	Lines 22 + 23 + 24 + 25 and Exhibit 4				81,293,582		81,293,582
28	Fuel and Fuel Related Costs cents/kWh	Line 26/Line 27/10						2.2868

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using:
Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Adjusted Test Period Sales	Exhibit 4	21,143,695	22,112,646	12,278,269	55,534,611
	Calculation of Renewable Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity	Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jursidicational % based on Production Plant Allocator	Input				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Input	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0251	0.0206	0.0199	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.1707	2.3065	2.3534	
11	Purchased Power - Renewable and Cogeneration Capacity cents/kWh	Line 9	0.0251	0.0206	0.0199	
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.1958	2.3271	2.3733	
13	EMF Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)	
14	EMF Interest Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)	
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 2 Page 3	2.1512	2.1989	2.2314	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
Proposed Nuclear Capacity Factor of 92.84% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Rate Class	Adjusted Test Period MWH Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/(Decrease) as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (including renewables and EMF) E-7, Sub 1002	Proposed Total Fuel Rate (including renewables and EMF)
		A	B	C	D	E	F	G	H
		Exhibit 4	Workpaper 10	Line 28 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Exhibit 7, Page 2 cents/kwh	Exhibit 1 Schedule 2c, page 2 cents/kwh	E + F + G = H
1	Residential	21,143,895	$ 2,128,247,266	$ (7,725,670)	-0.36%	(0.0365)	(0.0707)	2.2584	2.1512
2	General Service/Lighting	22,112,646	$ 1,756,843,263	$ (6,377,450)	-0.36%	(0.0288)	(0.0509)	2.2786	2.1989
3	Industrial	12,278,269	$ 739,175,088	$ (2,683,252)	-0.36%	(0.0219)	(0.0379)	2.2912	2.2314
4	NC Retail	55,534,611	$ 4,624,265,623	$ (16,786,372)					

Total Proposed Composite Fuel Rate:

5	System Total Fuel Costs	Exhibit 2 Sch 2, Page 1	$ 1,659,991,303
6	Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 2, Page 2	17,330,224
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,641,861,079
8	Adjusted Test Period System MWh Sales for Fuel Factor	Exhibit 4	81,293,583
9	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
10	Allocation %	Line 8 / Line 9	68.31%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,258,175,303
12	NC Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 2, Page 2	12,302,413
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,270,477,716
14	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.2877
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	(0.0852)
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	(0.0142)
18	Total Proposed Composite Fuel Rate	Sum	2.1883

Total Current Composite Fuel Rate - Docket E-7 Sub 1001:

19	Current composite Fuel Rate cents/kWh	Supp Mc Manus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0555)
23	Current composite EMF Rate cents/kWh	Supp Mc Maness Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Maness Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 24	(0.0302)
27	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ (16,786,372)

Note: Rounding differences may occur

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Unit	Reference	MDC Rating (MW)	Hours in Year	Capacity Factor	Generation (MWH)	Unit Cost (cents/KWh)	Fuel Cost ($)
			A	B	D/(A*B)=C	D	E	D * E = F
1	Catawba 1	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.6534	58,319,292
2	Catawba 2	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.7078	63,176,699
3	McGuire 1	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.6585	58,779,784
4	McGuire 2	Workpaper 4	1,129	8,760	90.25%	8,925,761	0.6627	59,152,119
5	Oconee 1	Workpaper 4	846	8,760	88.97%	6,593,531	0.6787	44,750,724
6	Oconee 2	Workpaper 4	846	8,760	88.97%	6,593,531	0.6964	45,915,668
7	Oconee 3	Workpaper 4	846	8,760	88.97%	6,593,531	0.6836	45,070,902
8	Total Nuclear		7,054		89.79%	55,483,638	0.6762	375,165,188
9	Coal					27,376,108	3.8023	1,040,933,166
1	Gas CT					755,750	3.4520	26,088,479
10	Gas CC					9,456,110	3.1557	298,403,910
11	Reagents					-		41,840,169
12	Total Fossil	Sum				37,587,968		1,407,265,724
13	Hydro					1,704,500		
14	Net Pumped Storage					(734,509)		
15	Total Hydro	Sum				969,991		
16	Total Generation	Line 8 + Line 12 + Line 15				94,041,596		1,782,430,912
17	Less Catawba Joint Owners					(14,413,319)		(97,458,972)
18	Net Generation	Sum				79,628,277		1,684,971,940
19	Purchases					9,448,043		336,257,185
20	JDA Savings Shared					-		8,791,208
21	Total Purchases					9,448,043		345,048,393
22	Total Generation and Purchases	Line 18 + Line 21				89,076,320		2,030,020,333
23	Adjustment to exclude cost of mitigation sales					(803,900)		(29,839,400)
24	Fuel expense recovered through intersystem sales					(1,683,858)		(66,967,909)
25	Line losses and Company use					(5,294,981)		-
26	System Fuel Expense for Fuel Factor							1,933,213,024
27	Projected System MWh Sales for Fuel Factor					81,293,582		81,293,582
28	Fuel and Fuel Related Costs cents/kWh							2.3781

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Fuel and Fuel Related Cost Factors Using
NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales
Twelve Months September 2013 - August 2014
Docket E-7, Sub 1033

Line #	Description	Reference	Residential	GS/Lighting	Industrial	Total
1	NC Adjusted Test Period Sales	Exhibit 4	21,143,695	22,112,646	12,278,269	55,534,611
	Calculation of Renewable Purchased Power Capacity Rate by Class					Amount
2	Renewable Purchased Power - Capacity -	Workpaper 6				$ 6,918,584
3	Cogeneration Purchased Power - Capacity	Workpaper 6				10,211,640
4	Total of Renewable and Cogeneration Purchased Power Capacity	Line 2 + Line 3				$ 17,130,224
5	NC Portion - Jursidicational % based on Production Plant Allocator	Input				71.8170%
6	NC Renewable Purchased Power - Capacity	Line 4 * Line 5				$ 12,302,413
7	Production Plant Allocation Factors	Input	43.1736%	36.9466%	19.8798%	100.0000%
8	Renewable Purchased Power - Capacity allocated on Production Plant %	Line 6 * Line 7	$ 5,311,395	$ 4,545,323	$ 2,445,695	$ 12,302,413
9	Renewable Purchased Power - Capacity cents/kWh based on Projected Billing Period Sales	Line 8 / Line 1	0.0251	0.0206	0.0199	0.0222
	Summary of Total Rate by Class					
10	Fuel and Fuel Related Costs excluding Renewable Purchased Power and Cogeneration Purchased Capacity cents/kWh	Line 15 - Line 11 - Line 13 - Line 14	2.2810	2.3936	2.4195	
11	Purchased Power - Renewable and Cogeneration Capacity cents/kWh	Line 9	0.0251	0.0206	0.0199	
12	Total adjusted Fuel and Fuel Related Costs cents/kWh	Line 10 + Line 11	2.3061	2.4142	2.4394	
13	EMF Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0382)	(0.1099)	(0.1216)	
14	EMF Interest Increment cents/kWh	Exh 3 pg 2, 3, 4	(0.0064)	(0.0183)	(0.0203)	
15	Net Fuel and Fuel Related Costs Factors cents/kWh	Exh 2 Sch 3 Page 3	2.2615	2.2860	2.2975	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Uniform Percentage Average Bill Adjustment by Customer Class
NERC 5 Year Average Nuclear Capacity Factor of 89.79% and Adjusted Test Period Sales
Twelve Months September 2013 – August 2014
Docket E-7, Sub 1033

Line #	Rate Class	Adjusted Test Period MWH Sales	Annual Revenue at Current rates	Allocate Fuel Costs Increase/(Decrease) to Customer Class	Increase/Decrease as % of Annual Revenue at Current Rates	Total Fuel Rate Increase/(Decrease)	Current Merger Savings decrement cents/kWh	Current Total Fuel Rate (Including renewables and EMF) E-7, Sub 1002	Proposed Total Fuel Rate (Including renewables and EMF)
		A	B	C	C / B = D	E	F	G	H
		Exhibit 4	Workpaper 10	Line 28 as a % of Column B	C / B	If D=0 then 0 if not then (C*100)/(A*1000)	Exhibit 7, Page 1 cents/kwh	Exhibit 1 Schedule 2c, page 2 cents/kwh	E + F + G = H
1	Residential	21,143,695	$ 2,128,247,266	$ 15,609,653	0.73%	0.0738	(0.0707)	2.2584	2.2615
2	General Service/Lighting	22,132,646	$ 1,756,843,269	$ 12,885,586	0.73%	0.0583	(0.0509)	2.2786	2.2860
3	Industrial	12,278,269	$ 729,175,088	$ 5,421,488	0.73%	0.0442	(0.0379)	2.2912	2.2975
4	NC Retail	55,534,611	$ 4,614,265,623	$ 33,916,727					

Total Proposed Composite Fuel Rate:

5	System Total Fuel Costs	Exhibit 2 Sch 3, Page 1	$ 1,933,213,024
6	Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 3, Page 2	17,130,224
7	System Other Fuel Costs	Line 5 - Line 6	$ 1,916,082,800
8	Adjusted Test Period System MWh Sales for Fuel Factor	Exhibit 4	81,293,582
9	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
10	Allocation %	Line 8 / Line 9	68.31%
11	NC Retail Other Fuel Costs	Line 7 * Line 10	$ 1,308,876,161
12	NC Cogen and Renewable Purchased Power - Capacity	Exhibit 2 Sch 3, Page 2	12,302,413
13	NC Retail Total Fuel Costs	Line 11 + Line 12	$ 1,321,178,574
14	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
15	Calculated Fuel Rate cents/kWh	Line 13 / Line 14	2.3790
16	Proposed Composite EMF Rate cents/kWh	Exhibit 3 Page 1	(0.0852)
17	Proposed Composite EMF Rate Interest cents/kWh	Exhibit 3 Page 1	(0.0142)
18	Total Proposed Composite Fuel Rate	Sum	2.2796

Total Current Composite Fuel Rate - Docket E-7 Sub 1001:

19	Current composite Fuel Rate cents/kWh	Supp Mc Manus Exh 6(c)	2.2404
22	Current composite Merger Savings decrement cents/kWh	Exhibit 7	(0.0555)
23	Current composite EMF Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0336
24	Current composite EMF Interest Rate cents/kWh	Supp Mc Manus Exh 6(c)	0.0000
25	Total Current Composite Fuel Rate	Sum	2.2185
26	Increase/(Decrease) in Composite Fuel rate cents/kWh	Line 20 - Line 14	0.0611
27	NC Retail Adjusted Test Period MWH Sales	Exhibit 4	55,534,611
28	Increase/(Decrease) in Fuel Costs	Line 26 * Line 27	$ 33,916,727

Note: Rounding differences may occur

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Proposed Composite
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line No.	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012			4,696,133	$ 19,638,596	$ 187,794	$ (423,273)	$ 19,403,116
2	February			4,471,304	$ 23,655,484	$ 134,844	$ (469,468)	$ 23,320,859
3	March			4,225,513	$ 24,585,301	$ 175,285	$ (358,714)	$ 24,401,871
4	April			4,010,671	$ 14,125,769	$ 175,371	$ (347,558)	$ 13,953,582
5	May[1]			4,082,258	$ (3,744,786)	$ 156,140	$ (311,282)	$ (3,899,928)
6	June			4,696,516	$ 285,688	$ 155,267	$ (372,323)	$ 68,632
7	July			5,356,807	$ (19,666,451)	$ 119,793	$ -	$ (19,546,658)
8	August			5,440,542	$ 4,397,805	$ 115,271	$ -	$ 4,513,076
9	September			4,959,528	$ 15,743,742	$ 141,367	$ -	$ 15,885,109
10	October			4,052,001	$ (2,870,169)	$ 183,651	$ -	$ (2,686,518)
11	November			4,169,014	$ (25,945,880)	$ 143,654	$ -	$ (25,802,226)
12	December			4,395,620	$ (2,399,967)	$ 95,536	$ -	$ (2,304,431)
				54,555,907	$ 47,805,133	$ 1,783,970	$ (2,282,619)	$ 47,306,484
13	Booked Over (Under) Recovery	January 2012 through December 2012						$ 47,306,484
14	Adjusted Test Period MWH Sales			Exhibit 4				55,534,611
15	Experience Modification Increment (Decrement) cents/KWh							(0.0852)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 7,884,411
20	EMF Interest Increment (Decrement)							(0.0142)

Notes:
[1] Prior period corrections not included in rate incurred but are included in over/(under) recovery total

Totals may not foot due to rounding.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Residential
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9757	2.3941	2,052,554	$ 8,587,317	$ 82,696	$ (185,001)	$ 8,485,012
2	February	1.8654	2.3941	1,785,443	$ 9,438,839	$ 55,007	$ (187,464)	$ 9,306,381
3	March	1.8137	2.3941	1,576,391	$ 9,149,599	$ 67,552	$ (133,824)	$ 9,083,328
4	April	2.0458	2.3941	1,252,705	$ 4,363,250	$ 58,610	$ (108,557)	$ 4,313,303
5	May(1)	2.4880	2.3941	1,320,093	$ (1,197,907)	$ 53,520	$ (100,660)	$ (1,245,048)
6	June	2.3891	2.3941	1,638,140	$ 81,288	$ 56,610	$ (129,866)	$ 8,032
7	July	2.7610	2.3941	2,159,210	$ (7,922,165)	$ 49,259	$ -	$ (7,872,906)
8	August	2.3132	2.3941	2,137,529	$ 1,730,239	$ 46,314	$ -	$ 1,776,553
9	September	2.0835	2.2944	1,773,808	$ 3,741,330	$ 52,198	$ -	$ 3,793,528
10	October	2.6980	2.1529	1,271,002	$ (6,927,371)	$ 61,013	$ -	$ (6,866,358)
11	November	3.0681	2.1517	1,428,843	$ (13,093,551)	$ 51,262	$ -	$ (13,042,289)
12	December	2.1338	2.1517	1,725,994	$ 309,292	$ 38,113	$ -	$ 347,404
13	Total Test Period			20,121,712	$ 8,260,159	$ 672,154	$ (845,373)	$ 8,086,940
14	Test Period Wtd Avg. ¢/kwh	2.2912	2.3321					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 8,086,940
16	Adjusted Test Period MWH Sales			Exhibit 4				21,143,695
17	Experience Modification Increment (Decrement) cents/KWh							(0.0382)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 1,347,823
20	EMF Interest Increment (Decrement)							(0.0064)

Notes:
(1) Prior period corrections not included in rate incurred but are included in over/(under) recovery total

Totals may not foot due to rounding.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - GS/Lighting
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9752	2.3931	1,772,833	$ 7,408,542	$ 70,835	$ (159,790)	$ 7,319,588
2	February	1.8643	2.3931	1,698,008	$ 8,979,855	$ 51,123	$ (178,284)	$ 8,852,696
3	March	1.8110	2.3931	1,673,313	$ 9,739,578	$ 68,901	$ (142,052)	$ 9,666,427
4	April	2.0398	2.3931	1,736,780	$ 6,136,815	$ 74,447	$ (150,506)	$ 6,060,756
5	May(1)	2.4841	2.3931	1,734,967	$ (1,586,902)	$ 65,261	$ (132,295)	$ (1,653,936)
6	June	2.3866	2.3931	1,957,034	$ 127,816	$ 63,790	$ (155,147)	$ 36,459
7	July	2.7603	2.3931	2,108,480	$ (7,742,783)	$ 46,840	$ -	$ (7,695,942)
8	August	2.3123	2.3931	2,162,678	$ 1,747,384	$ 45,484	$ -	$ 1,792,868
9	September	1.8993	2.3118	2,080,164	$ 8,581,691	$ 58,447	$ -	$ 8,640,139
10	October	2.0850	2.1964	1,757,762	$ 1,957,749	$ 78,146	$ -	$ 2,035,896
11	November	2.7306	2.1954	1,716,585	$ (9,186,739)	$ 58,448	$ -	$ (9,128,290)
12	December	2.2927	2.1954	1,717,661	$ (1,671,731)	$ 37,181	$ -	$ (1,634,551)
13	Total Test Period			22,116,267	$ 24,491,277	$ 718,904	$ (918,074)	$ 24,292,108
14	Test Period Wtd Avg. ¢/kwh	2.2283	2.3391					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 24,292,108
16	Adjusted Test Period MWH Sales			Exhibit 4				22,112,646
17	Experience Modification Increment (Decrement) cents/KWh							(0.1099)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 4,048,683
20	EMF Interest Increment (Decrement)							(0.0183)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Calculation of Experience Modification Factor - Industrial
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Month	Fuel Cost Incurred ¢/kwh (a)	Fuel Cost Billed ¢/kwh (b)	NC Retail MWH Sales (c)	Reported Over (Under) Recovery (d)	Correction Renewables (e)	Merger Savings to be Shared with PEC (f)	Adjusted Over(Under) Recovery (g)
1	January 2012	1.9743	2.3926	870,747	$ 3,642,737	$ 34,263	$ (78,482)	$ 3,598,517
2	February	1.8625	2.3926	987,853	$ 5,236,789	$ 28,714	$ (103,720)	$ 5,161,782
3	March	1.8089	2.3926	975,808	$ 5,696,124	$ 38,831	$ (82,839)	$ 5,652,116
4	April	2.0376	2.3926	1,021,186	$ 3,625,704	$ 42,313	$ (88,494)	$ 3,579,523
5	May(1)	2.4827	2.3926	1,027,197	$ (959,977)	$ 37,359	$ (78,326)	$ (1,000,944)
6	June	2.3856	2.3926	1,101,342	$ 76,585	$ 34,867	$ (87,311)	$ 24,142
7	July	2.7600	2.3926	1,089,116	$ (4,001,503)	$ 23,693	$ -	$ (3,977,810)
8	August	2.3119	2.3926	1,140,335	$ 920,182	$ 23,472	$ -	$ 943,654
9	September	2.0128	2.3223	1,105,555	$ 3,410,721	$ 30,722	$ -	$ 3,451,443
10	October	2.0172	2.2224	1,023,236	$ 2,099,453	$ 44,491	$ -	$ 2,143,944
11	November	2.5795	2.2215	1,023,586	$ (3,665,590)	$ 33,944	$ -	$ (3,631,646)
12	December	2.3305	2.2215	951,965	$ (1,037,527)	$ 20,243	$ -	$ (1,017,284)
13	Total Test Period			12,317,928	$ 15,053,696	$ 392,912	$ (519,173)	$ 14,927,436
14	Test Period Wtd Avg. ¢/kwh	2.2222	2.3447					
15	Booked Over (Under) Recovery January 2012 to December 2012							$ 14,927,436
16	Adjusted Test Period MWH Sales			Exhibit 4				12,278,269
17	Experience Modification Increment (Decrement) cents/KWh							(0.1216)
16	Annual Interest Rate							10%
17	Monthly Interest Rate							0.83333%
18	Number of Months (July 2012 - February 2014)							20
19	Interest							$ 2,487,905
20	EMF Interest Increment (Decrement)							(0.0203)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Sales, Fuel Revenue, Fuel Expense and System Peak
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Line #	Description	Reference	Total Company	North Carolina Retail	North Carolina Residential	North Carolina General Service/Lighting	North Carolina Industrial
1	Test Period MWH Sales (excluding inter system sales)	Workpaper 19	79,868,568	54,555,907	20,121,712	22,116,267	12,317,928
2	Customer Growth MWH Adjustment	Workpaper 21	(30,932)	(47,556)	46,063	(76,154)	(17,466)
3	Weather MWH Adjustment	Workpaper 20	1,455,945	1,026,260	975,920	72,533	(22,193)
4	Total Adjusted MWH Sales	Sum	81,293,582	55,534,611	21,143,695	22,112,646	12,278,269
5	Test Period Fuel and Fuel Related Revenue *		$ 1,872,319,831	$ 1,275,399,739			
6	Test Period Fuel and Fuel Related Expense *		$ 1,757,881,194	$ 1,227,594,608			
7	Test Period Unadjusted Over/(Under) Recovery		$ 114,438,637	$ 47,805,131			

		Summer Coincidental Peak (CP) KW
8	Total System Peak	17,051,270
9	NC Retail	11,985,789
10	NC Residential Peak	5,588,503
11	NC General Service/Lighting Peak	4,371,590
12	NC Industrial Peak	2,025,696

* Total Company Fuel and Fuel Related Revenue and Fuel and Fuel Related Expense are determined based upon the fuel and fuel related cost recovery mechanisms in each of the company's jurisdictions.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Nuclear Capacity Ratings
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Unit	Rate Case Docket E-7, Sub 989	Fuel Docket E-7, Sub 1002	Proposed Capacity Rating MW
Oconee Unit 1	846	846	846
Oconee Unit 2	846	846	846
Oconee Unit 3	846	846	846
McGuire Unit 1 [1]	1,100	1,100	1,129
McGuire Unit 2 [1]	1,100	1,100	1,129
Catawba Unit 1	1,129	1,129	1,129
Catawba Unit 2	1,129	1,129	1,129
Total Company	6,996	6,996	7,054

[1] As of 12/31/2012 – includes capacity increases associated to low pressure turbine upgrades.

DUKE ENERGY CAROLINAS
SUMMARY OF MONTHLY FUEL REPORT
NCUC R8-52

Docket No. E-7, Sub 1003

Line No.	Fuel Expenses:	December 2012	12 Months Ended December 2012
1	Fuel and fuel-related costs	$ 154,308,247	$ 1,836,815,457
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	10,131,389	39,092,889
3	Total fuel and fuel-related costs (line 1 minus line 2)	$ 144,176,858	$ 1,797,722,568
	MWH sales:		
4	Total system sales	6,738,544	81,010,541
5	Less intersystem sales	295,729	1,141,973
6	Total sales less intersystem sales	6,442,815	79,868,568
7	Total fuel and fuel-related costs (¢/KWH) (line 3/line 6)	2.2378	2.2509
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2c Total)	2.1839	
	Generation Mix (MWH):		
	Fossil (by primary fuel type):		
9	Coal	2,576,425	27,969,376
10	Biomass	126	1,365
11	Fuel Oil	(12)	6,865
12	Natural Gas - Combustion Turbine	6,646	916,328
13	Natural Gas - Combined Cycle	569,988	4,418,878
14	Total fossil	3,153,173	33,312,812
15	Nuclear 100%	4,491,871	56,444,931
16	Hydro - Conventional	83,306	1,400,604
17	Hydro - Pumped storage	(61,866)	(641,599)
18	Total hydro	21,840	759,005
19	Solar Distributed Generation	843	10,479
20	Total MWH generation	7,667,327	90,527,227
21	Less joint owners' portion	742,049	14,441,479
22	Adjusted total MWH generation	6,925,278	76,085,748
	(a) Line 2 includes:		
	Fuel from intersystem sales (Schedule 3)	$ 10,120,906	$ 38,950,061
	Fuel-related costs recovered in off-system sales	-	11,579
	Fuel in loss compensation	10,483	131,249
	Total fuel recovered from intersystem sales	$ 10,131,389	$ 39,092,889

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
NCUC R8-52

Docket No. E-7, Sub 1003

Fuel and fuel-related costs:	December 2012	12 Months Ended December 2012
Steam Generation - FERC Account 501		
0501016 coal blending merger savings	$ 1,260,522	$ 6,009,815
0501016 coal procurement merger savings	(217,188)	(774,414)
0501016 transportation merger savings	6,683	16,030
0501110 coal consumed - steam	89,547,048	1,054,162,590
0501222-0501223 biomass/test fuel consumed	6,885	74,783
0501310 fuel oil consumed - steam	1,728,401	21,523,259
0501330 fuel oil light-off - steam	1,252,714	21,728,282
Total Steam Generation - Account 501	93,585,065	1,102,738,145
Reagents (lime, limestone, ammonia, urea, dibasic acid, and sorbents)	3,340,371	24,947,678
0502160 reagent procurement merger savings	(32,242)	(110,273)
Net proceeds from sale of by-products	465,649	4,185,977
Nuclear Generation - FERC Account 518		
0518100 burnup of owned fuel	22,319,965	270,643,815
0518600 nuclear fuel disposal cost	4,224,676	53,141,510
Total Nuclear Generation - 100%	26,544,641	323,785,325
Less joint owners' portion	4,427,286	80,745,553
Total Nuclear Generation - Account 518	22,117,355	243,039,772
Other Generation - FERC Account 547		
0547100 natural gas consumed - Combustion Turbine	394,641	29,840,791
0547101 natural gas consumed - Combined Cycle	17,388,713	112,152,561
0547123 gas capacity merger savings	-826,518	1,946,781
0547200 fuel oil consumed - Combustion Turbine	2,873	1,625,100
Total Other Generation - Account 547	18,812,545	145,565,233
Total fossil and nuclear fuel expenses included in base fuel component	138,088,743	1,520,366,532
Fuel component of purchased and interchange power	9,126,282	179,883,461
Fuel related component of purchased power (economic)	4,495,772	93,984,366
Fuel related component of purchased power (renewables)	2,597,450	42,561,098
Total fuel and fuel-related costs	$ 154,308,247	$ 1,836,815,457

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS
NCUC R8-52

Docket No. E-7, Sub 1003

Other fuel expenses not included in fuel and fuel-related costs:	December 2012	12 Months Ended December 2012
0501223 biomass excess above avoided cost	$ 1,124	$ 19,429
0501224 North Carolina incremental renewable fuel	(3,380)	(18,267)
0509000, 0557451 emissions allowance expense	2,557	51,729
0509213 RECs consumption expense	-	955,996
0518610 spent fuel canisters-accrual	-	2,348,911
0518620 canister design expense	67,234	590,812
0518700 fuel cycle study costs	-	235,865
0547127 gas desk merger savings	13,802	88,185
0411822, 0411832, 0411875 emission allowance gains	(986,432)	(11,105,504)
Purchased and interchanged power not included in fuel and fuel-related costs	2,710,622	49,254,175
Total other fuel expenses not included in fuel and fuel-related costs:	$ 1,805,527	$ 42,421,331
Total FERC Account 501 - Total Steam Generation	93,582,809	1,102,739,307
Total FERC Account 518 - Total Nuclear Generation	22,184,589	246,215,360
Total FERC Account 547 - Other Generation	18,612,545	145,565,233
Total RECs consumption expense	-	955,996
Total Reagents Expense	3,308,129	24,837,405
Total Gain/Loss from Sale of By-Products	465,649	4,185,977
Total Emission Allowance Expense	2,557	51,729
Total Gain/Loss from Sale of Emission Allowances	(986,432)	(11,105,504)
Total Purchased and Interchanged Power Expenses	18,930,126	365,703,100
Total Merger Savings Excluded from Fuel Recovery	13,802	88,185
Total Fuel, Fuel Related and Purchased Power Expenses	$ 156,113,774	$ 1,879,236,788

Note: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY CAROLINAS
PURCHASED POWER AND INTERCHANGE
NCUC-R6-62

DECEMBER 2012

Purchased Power	Total	Capacity		Non-capacity			
Economic	$	MW	$	MWH	Fuel $	Fuel-related $	Not Fuel $ Not Fuel-related $
Alcoa Power Generating Inc.	$ 39,960	-	-	1,380	$ 24,376	$ 15,584	
Blue Ridge Electric Membership Corp. - Economic	524,817	19	$ 184,350	11,012	207,685	132,782	
Cherokee County Cogeneration Partners	4,047,044	-	1,110,788	55,252	2,004,517	931,739	
City of Kings Mtn	8,979	3	8,979	-	-	-	
Constellation	10,502	-	-	525	8,408	4,098	
DE Progress - Native Load Transfer	5,784,001	-	-	204,090	4,181,618	1,607,008	$ (4,625)
DE Progress - Native Load Transfer Savings	420,611	-	-	-	420,611	-	
EDF Trading North America, LLC	1,372	-	-	49	837	535	
Haywood Electric - Economic	96,782	8	82,220	1,391	26,573	18,989	
Lockhart Power Co.	19,272	7	19,272	-	-	-	
NCEMC - Economic	-	-	-	-	(12)	12	
NCMPA - Economic	125,925	-	-	8,370	72,302	53,623	
NCMPA Load Following - Economic	1,347,046	-	-	44,653	775,542	571,504	
Piedmont Electric Membership Corp. - Economic	333,651	12	115,430	7,076	133,116	85,106	
PJM Interconnection LLC	2,479,230	-	-	88,321	1,512,330	966,900	
Rutherford Electric Membership Corp. - Economic	460,199	-	-	15,656	408,837	51,362	
Southern	(6,776)	-	-	343	(4,133)	(2,643)	
Town of Dallas	584	-	584	-	-	-	
Town of Forest City	19,856	7	19,856	-	-	-	
TVA	156,860	-	-	5,560	96,685	61,175	
	$ 16,818,918	56	$ 1,511,479	438,688	$ 9,544,259	$ 4,466,772	$ (4,625)

Purchased Power	Total	Capacity		Non-capacity			
Renewables	$	MW	$	MWH	Fuel $	Fuel-related $	Not Fuel $ Not Fuel-related $
Cargill Power Marketing	$ 1,513,396			25,870		$ 1,513,396	
City of Charlotte	1,893			24		1,893	
Concord Energy, LLC	211,637			2,981		211,637	
Davidson Gas Producers, LLC	79,866			1,149		79,866	
Dixon Dairy Road, LLC	38,953			612		38,953	
Durham Landfill Electricity, LLC	102,051			1,760		102,051	
Gas Recovery Systems, LLC	123,271			1,805		123,271	
Gaston County	122,850			1,966		122,850	
Greenville Gas Producer, LLC	80,213			1,843		80,213	
Lockhart - Lower Pacolet Hydro	15,020			221		15,020	
Lockhart Power Company	67,140			1,046		67,140	
Lynwood Solar, LLC	623			13		623	
Nypro, Inc.	1,058			21		1,058	
Ronnie B. Powers	1,134			22		1,134	
Sun Edison, LLC	126,189			1,861		126,189	
Tencarva Machinery Company	861			18		861	
WM Renewable Energy, LLC	111,508			1,650		111,508	
	$ 2,597,480	-	$ -	42,889	$ -	$ 2,597,480	$ -

Purchased Power	Total	Capacity		Non-capacity			
Other	$	MW	$	MWH	Fuel $	Fuel-related $	Not Fuel $ Not Fuel-related $
Blue Ridge Electric Membership Corp	$ 1,432,303	46	$ 608,277	29,995	$ 448,979		$ 267,052
City of Concord	2,227	-	233	44	-		1,994
Haywood Electric	375,406	12	146,435	7,433	138,452		88,519
Piedmont Electric Membership Corp	700,166	20	326,101	14,680	228,179		145,885
DE Progress - Fees	63,533	-	-	-	-		63,533
Generation Imbalance	254,222	-	-	8,040	150,683		103,539
Energy Imbalance - Purchases	170,737	-	-	(3,304)	104,150		66,587
Energy Imbalance - Sales	(235,692)	-	-	-	(182,377)		(53,315)
Other Qualifying Facilities	868,892	-	-	13,598			868,892
	$ 3,431,765	78	$ 1,171,046	70,534	$ 888,044	$ -	$ 1,372,538
TOTAL PURCHASED POWER	$ 21,878,183	134	$ 2,682,525	583,003	$ 10,734,355	$ 7,063,222	$ 1,968,081
INTERCHANGES IN							
Other Catawba Joint Owners	4,144,278	-	-	387,613	2,113,025		2,031,253
Total Interchanges In	4,144,278	-	-	387,613	2,113,025		2,031,253
INTERCHANGES OUT							
Other Catawba Joint Owners	(6,861,588)	(866)	(134,209)	(638,867)	(3,530,914)		(3,196,465)
Catawba- Net Negative Generation	(230,727)	-	-	(8,770)	(190,184)		(40,543)
Total Interchanges Out	(7,092,315)	(866)	(134,209)	(647,637)	(3,721,098)		(3,237,008)
Net Purchases and Interchange Power	$ 18,930,126	(732)	$ 2,548,316	292,979	$ 9,126,282	$ 7,063,222	$ 162,306

NOTE Detail amounts may not add to totals shown due to rounding
As of December 2012, non-fuel costs related to mitigation losses and sharing of mitigation loss margins are no longer presented on this report.

DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
NCUC-R8-52

DECEMBER 2012

SALES	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Non-fuel $
Market Based:						
Constellation Power Sources	$ 2,100	-	-	50	$ 1,862	$ 238
NCMPA	133,891	50	$ 87,500	1,030	31,953	14,438
PJM Interconnection LLC	40,171	-	-	829	30,482	9,689
Southern	-	-	-	-	(223)	223
The Energy Authority	70,760	-	-	995	41,942	28,818
Other:						
Cargill-Alliant, LLC - Mitigation sales	1,996,312	-	(695,000)	103,400	3,380,218	(688,906)
DE Progress - Native Load Transfer Savings	408,814	-	-	-	408,814	-
DE Progress - Native Load Transfer	8,444,056	-	-	182,222	8,045,532	386,524
DE Progress - Off System Sales/PJM Share	1,728	-	-	11	424	1,304
DE Progress - Purchases	137,842	-	-	5,722	137,842	-
Generation Imbalance	64,353	-	-	1,470	44,060	20,293
BPM Transmission	(13,778)	-	-			(13,778)
Total Intersystem Sales	$ 9,288,249	50	$ (607,500)	295,728	$ 10,120,906	$ (227,157)

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Purchased Power	Total	Capacity		Non-capacity			
Economic	$	MW	$	MWH	Fuel $	Fuel-related $	Net Fuel $ / Net Fuel-related $
Alcoa Power Generating Inc.	$ 6,278,584	-	-	224,354	$ 3,830,548	$ 2,449,036	
American Electric Power Serv Corp	18,900	-	-	300	11,629	7,371	
Associated Electric Cooperative Inc	693,180	-	-	28,940	422,840	270,340	
Blue Ridge Electric Membership Corp - Economic	5,482,252	19	$ 2,212,200	120,956	1,962,632	1,297,520	
Calpine Power Services Marketing	1,178,376	-	-	45,485	717,588	458,788	
Cargill Power Marketers LLC	3,258,311	-	-	118,089	1,987,569	1,270,742	
Cherokee County Cogeneration Partners	47,759,839	-	11,213,606	685,929	16,678,745	20,869,486	
Citigroup Energy	21,200	-	-	800	12,932	8,268	
City of Kings Mtn	107,748	3	107,748	-	-	-	
Constellation	28,704,413	-	-	1,080,322	17,509,691	11,194,722	
DE Progress - Native Load Transfer	77,576,947	-	-	2,198,064	60,067,187	12,680,489	$ 4,829,291
DE Progress - Native Load Transfer- prior period correcti	-	-	-	-	-	3,158,598	(3,158,598)
DE Progress - Native Load Transfer Savings	3,568,602	-	-	-	3,568,602	-	
Eagle Energy Partners	267,184	-	-	8,888	162,982	104,202	
EDF Trading North America, LLC	3,191,081	-	-	118,975	1,946,561	1,244,520	
Haywood Electric - Economic	1,208,931	8	604,563	21,069	368,664	235,704	
J Aron & Company	2,718,403	-	-	100,383	1,657,006	1,059,397	
Lockhart Power Co	231,284	7	231,284	-	-	-	
MISO	299	-	-	-	183	116	
Morgan Stanley Capital Group	3,127,609	-	-	118,520	1,907,863	1,219,746	
NCEMC	867,138	-	-	33,390	487,094	390,042	
NCMPA	7,947,204	-	-	358,610	4,386,382	3,560,822	
NCMPA Load Following	19,192,762	-	-	685,098	10,533,959	8,658,803	
Oglethorpe Power	44,350	-	-	2,610	27,053	17,297	
Piedmont Electric Membership Corp. - Economic	3,458,974	12	1,385,160	77,245	1,285,029	808,788	
PJM Interconnection LLC	48,734,961	-	-	1,595,482	28,508,320	18,226,631	
Rutherford Electric Membership Corp - Economic	3,268,663	-	-	123,700	2,761,219	918,434	
Southern	3,526,607	-	-	122,818	2,151,231	1,375,376	
The Energy Authority	3,247,822	-	-	123,468	1,861,171	1,386,651	
Town of Dallas	7,008	-	7,008	-	-	-	
Town of Forest City	238,272	7	238,272	-	-	-	
TVA	4,485,410	-	-	215,739	2,736,099	1,749,311	
Westar Energy, Inc.	48,299	-	-	2,186	28,243	18,056	
	$ 178,213,371	54	$ 16,868,823	8,063,318	$ 158,888,318	$ 63,964,348	$ 1,472,693

Purchased Power	Total	Capacity		Non-capacity			
Renewables	$	MW	$	MWH	Fuel $	Fuel-related $	Net Fuel $ / Net Fuel-related $
Active Concepts, LLC	$ 6,722			109		$ 6,722	
Cargill Power Marketing	29,457,443			503,648		29,457,443	
City of Charlotte	29,213			406		29,213	
Concord Energy, LLC	1,813,738			26,548		1,813,738	
Davidson Gas Producers, LLC	924,829			13,267		924,829	
Dixon Dairy Road, LLC	961,515			7,069		961,515	
Durham Landfill Electricity, LLC	1,214,902			20,948		1,214,902	
Gas Recovery Systems, LLC	1,937,496			28,429		1,937,496	
Gaston County	1,357,325			21,718		1,357,325	
Greenville Gas Producer, LLC	1,129,520			20,686		1,129,520	
Lockhart - Lower Pacolet Hydro	27,994			412		27,994	
Lockhart Power Company	655,803			10,214		655,803	
Lynwood Solar, LLC	4,539			68		4,539	
Nypro, Inc	18,960			303		18,960	
Ronnie S. Powers	48,360			742		48,360	
Sun Edison, LLC	2,082,418			30,419		2,082,418	
Tenceva Machinery Company	15,183			233		15,183	
WM Renewable Energy, LLC	1,319,361			19,651		1,319,361	
	$ 42,631,008	-	$ -	703,031	$ -	$ 42,631,008	$ -

Purchased Power	Total	Capacity		Non-capacity			
Other	$	MW	$	MWH	Fuel $	Fuel-related $	Net Fuel $ / Net Fuel-related $
SC Public Service Authority - Emergency	$ 5,181	-	-	100	$ 3,161		$ 2,020
Blue Ridge Electric Membership Corp	17,000,744	46	$ 7,722,631	353,815	5,859,711		3,818,402
City of Concord	67,746	-	19,488	1,060	-		48,260
Haywood Electric	4,348,332	12	1,772,247	86,464	1,872,021		1,005,064
NCEMC Load Following	-	-	-	-	(442)		442
Piedmont Electric Membership Corp	8,330,008	20	3,683,875	175,488	2,834,141		1,811,991
DE Progress - Fees	156,530	-	-	-	-		156,530
Generation Imbalance	3,118,939	-	-	80,833	1,828,711		1,291,227
Energy Imbalance - Purchases	2,210,031	-	-	28,881	1,348,120		861,911
Energy Imbalance - Sales	(1,124,868)	-	-	-	(849,826)		(475,042)
Other Qualifying Facilities	9,458,514			171,541			9,458,514
	$ 43,573,156	78	$ 13,193,120	907,382	$ 12,896,877	$ -	$ 17,779,459
TOTAL PURCHASED POWER	$ 394,667,968	134	$ 29,197,943	9,704,331	$ 179,882,386	$ 158,888,494	$ 19,252,102
INTERCHANGES IN							
Other Catawba Joint Owners	70,602,047	-	-	7,287,229	31,066,565		39,535,482
Total Interchanges In	70,602,047	-	-	7,287,229	31,066,565	-	39,535,482
INTERCHANGES OUT							
Other Catawba Joint Owners	(68,891,590)	(866)	(1,554,534)	(7,037,166)	(30,274,551)		(37,032,605)
Catawba- Net Negative Generation	(579,152)	-	-	(26,498)	(460,949)		(114,217)
Total Interchanges Out	(69,466,752)	(866)	(1,554,534)	(7,063,664)	(30,735,500)	-	(37,146,818)
Net Purchases and Interchange Power	$ 395,703,100	(732)	$ 27,613,409	9,927,896	$ 179,893,451	$ 158,888,494	$ 21,640,766

NOTES Detail amounts may not add to totals shown due to rounding.
Capacity MW amounts varied across the range of time indicated
The amounts shown represent the capacity effective as of the period end date
As of December 2012, non-fuel costs related to mitigation losses and sharing of mitigation less margins are no longer presented on this report

DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
NCUC-R8-52

Twelve Months Ended DECEMBER 2012

SALES	Total $	Capacity MW	Capacity $	Non-capacity MWH	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:						
Progress Energy Carolinas - Emergency	$ 11,711	-	-	320	$ 10,971	$ 740
SC Public Service Authority - Emergency	130,844	-	-	2,758	102,834	27,810
SC Electric & Gas - Emergency	25,183	-	-	417	15,424	9,759
Market Based:						
American Electric Power Services Corp.	5,625	-	-	75	2,989	2,636
Cargill-Alliant, LLC	30,506	-	-	542	24,079	6,427
Cobb Electric Membership Corp	-	-	-	-	(9,268)	9,268
Constellation Power Sources	(289,039)	-	-	(7,914)	6,009	(295,048)
EDF Trading North America, LLC	27,465	-	-	454	25,181	2,284
MISO	77,032	-	-	1,200	121,897	(44,865)
Morgan Stanley	29,211	-	-	544	22,999	6,212
NCEMC (Generator/Instantaneous)	11,250	-	-	150	5,241	6,009
NCMPA #1	1,510,541	50	$ 1,038,380	9,868	388,702	83,459
Oglethorpe	11,666	-	-	222	8,325	3,341
PJM Interconnection LLC	10,613,635	-	-	176,779	6,987,112	3,626,523
SC Electric & Gas Market based	1,173,615	-	-	14,538	613,203	560,412
Southern	92,780	-	-	1,455	71,347	21,433
The Energy Authority	937,435	-	-	15,180	643,302	294,133
TVA	257,180	-	-	4,361	191,211	65,969
Other:						
Cargill-Alliant, LLC - Mitigation sales	10,193,130	-	(16,935)	421,592	13,915,967	(3,705,902)
DE Progress - Native Load Transfer Savings	546,583	-	-	-	546,583	-
DE Progress - Native Load Transfer	10,177,437	-	-	282,350	9,588,985	588,452
DE Progress - Off System Sales/PJM Share	2,069,921	-	-	125	6,148	2,063,773
DE Progress - Purchases	5,334,092	-	-	207,457	5,334,092	-
Generation Imbalance	430,731	-	-	9,502	326,728	104,003
BPM Transmission	(1,489,018)	-	-		-	(1,489,018)
Total Intersystem Sales	$ 41,939,316	50	$ 1,021,445	1,141,973	$ 38,950,061	$ 1,967,810

* Sales for resale other than native load priority.

NOTES: Detail amounts may not add to totals shown due to rounding.
Capacity MW amounts varied across the range of time indicated.
The amounts shown represent the capacity effective December 31, 2012.

Schedule 4

Duke Energy Carolinas
Over / (Under) Recovery of Fuel Costs
December 2012
NCUC R8-52

Line No.			Residential	Commercial	Industrial	Total
1	N.C. Retail kWh sales	Input	1,725,993,659	1,717,661,336	951,965,307	4,395,620,302
2	Approved fuel and fuel related rates (¢/kWh)					
	2a Billed rates by class (¢/kWh)	Input	2.2224	2.2463	2.2594	
	2b Merger fuel savings decrement	Input	(0.0707)	(0.0509)	(0.0379)	
	2c Net billed rates by class (¢/kWh)	L2a + L2b	2.1517	2.1954	2.2215	2.1839
	2d Billed fuel expense	L1 * L2c / 100	$37,138,208	$37,709,537	$21,147,809	$95,996,652
3	Total system kWh sales	Input				8,442,815,269
4	NC kWh sales %	L1 T / L3				58.23%
5	Incurred base fuel and fuel related (¢/kWh) (less renewable purchased power capacity)					
	5a Docket E-7, Sub 1002 allocation factor	Input	37.41%	40.03%	22.56%	100.00%
	5b System incurred expense	Input				$143,795,965
	5c Incurred base fuel rates (¢/kWh)	(L4 * L5b) *L5a / L1 * 100	2.1265	2.2863	2.3248	2.2319
	5d NC incurred expense by class	L5c* L1 / 100	$36,703,134	$39,270,866	$22,131,211	$98,105,011
6	Incurred renewable purchased power capacity rates (¢/kWh)					
	6a NC retail production plant %	Input				76.30%
	6b Production plant allocation factors	Input	43.26%	38.06%	18.68%	100.00%
	6c System incurred expense	Input				$380,893
	6d Incurred renewable capacity rates (¢/kWh)	(L6a * L6c) * L6b / L1 * 100	0.0073	0.0064	0.0057	0.0066
	6e NC incurred renewable capacity expense	L6d * L1 / 100	$125,780	$110,802	$54,226	$290,808
7	Total incurred rates by class (¢/kWh)	L5c + 6d	2.1338	2.2927	2.3305	2.2385
8	Difference in ¢/kWh (billed - incurred)	L2c - L7	0.0179	(0.0973)	(0.1090)	(0.0546)
9	Over / (under) recovery	L8 * L1 / 100	$309,292	($1,671,731)	($1,037,528)	($2,399,967)
10	Prior period adjustments	Input				
11	Total over / (under) recovery	L9 + L10	$309,292	($1,671,731)	($1,037,528)	($2,399,967)
12	Total system incurred expense	L5b + L6c				$144,176,858
13	Over / (under) recovery for each month of the current calendar year					

	Year 2012	Total To Date	Over / (Under) Recovery Residential	Commercial	Industrial	Total Company
	January	$19,638,597	$8,587,318	$7,408,542	$3,642,737	$19,638,597
	February	43,294,079	9,438,838	8,979,858	5,236,786	23,655,482
	March	67,879,379	9,149,599	9,739,577	5,698,124	24,585,300
	April	82,005,147	4,363,250	6,136,814	3,625,704	14,125,768
/1	May	78,260,361	(1,197,907)	(1,586,902)	(959,977)	(3,744,786)
	June	78,546,051	61,269	127,818	76,586	265,680
	July	58,879,600	(7,922,165)	(7,742,783)	(4,001,503)	(19,666,451)
	August	63,277,406	1,730,239	1,747,384	920,182	4,397,805
/2	September	79,021,147	3,741,329	8,581,891	3,420,722	15,743,742
/2	October	78,150,978	(6,927,371)	1,957,749	2,099,453	(2,870,169)
	November	50,205,097	(13,093,551)	(9,188,739)	(3,665,591)	(25,945,881)
	December	$47,805,130	$309,292	($1,671,731)	($1,037,528)	($2,399,967)

Notes:

Detail amounts may not recalculate due to percentages presented as rounded

/1 Includes prior period adjustments.

/2 Reflects a prorated rate for periods in which the approved rates change.

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
December 2012

Description	Allen Steam	Belews Creek Steam	(G) Buck Steam/CT	Buck Gas/CC	Catawba Nuclear	(H) Cliffside Steam	(G), (I) Dan River Gas/CC	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	(G) Rockingham Steam/CT	Rockingham CT	Current Month	Total 12 MS December 2012
Cost of Fuel Received																	
Coal (A)	69,718,368	539,220,408	-			87,787,232	$ (338,873)	90		532,198,795				50		587,523,915	91,139,213,810
Biomass	-	-	-			-		-		-				-			4,306
Fuel Oil	232,479	451,701	145,178.81			2,537,828		305,455		544,843				96,978		4,320,958	88,166,828
Gas - CT			8390					33,798	918,113			963,087		-	6,278,343	364,841	29,840,781
Gas - CC				513,008,546			$4,360,167									17,396,713	172,182,881
Total	69,954,847	539,672,109	145,586	513,008,546		90,324,057	$3,961,294	339,222	918,113	532,743,408		963,087		96,978	6,278,343	609,627,327	1,326,347,881
Received (#/MBTU) Avg																	
Coal (A)	480.20	389.19				481.11				404.48						411.83	408.87
Biomass	-	-				-		-	-	-		-				-	614.32
Fuel Oil	2,319.80	2,336.31	2,298.85			2,373.41		2,491.87		2,407.58				2,305.11		2,314.83	2,293.57
Gas - CT								988.18	917.89			822.30		-	380.73	384.47	389.13
Gas - CC				416.14			320.06									416.14	360.48
Weighted Average	820.71	483.89	2,305.83	416.14		973.48	346.37	2,106.84	917.89	410.15		822.30		2,305.11	380.73	434.90	410.87
Cost of Fuel Burned (B) (C)																	
Coal (D)	62,380,373	949,830,770	5612,651			94,916,836	($338,873)	50		532,220,888				8867,205		989,547,048	91,054,962,590
Biomass (E)	-	-	8,009			-		-		-				-		8,009	94,212
Fuel Oil (F)	223,698	387,219	72,878			2,069,669		2,009	9684	168,771		-		94,885	-	2,885,789	44,874,641
Gas - CT			390					33,798	13,113			963,087		-	6,278,343	364,641	29,840,781
Gas - CC				513,008,546			$4,360,167									17,396,713	172,182,881
Nuclear					16,453,435						19,073,284		11,869,822			29,644,641	323,788,326
Total	62,814,371	949,327,866	5694,025	513,008,546	16,453,435	96,972,324	$3,961,294	334,777	918,777	532,384,857	19,073,284	963,087	11,869,822	11,061,770	6,278,343	1,139,888,840	91,544,910,117
Burned (#/MBTU) Avg																	
Coal	431.07	400.33	428.72			323.87		-		343.73				415.31		372.77	397.31
Biomass	-	-	916.81			-		-		-				-		516.01	648.57
Fuel Oil	2,289.42	2,325.49	2,148.84			2,391.89		2,093.06	1,070.35	2,347.90				2,202.09	-	2,289.58	2,193.43
Gas - CT			-					988.18	617.89			522.30		-	380.73	384.47	383.13
Gas - CC				416.14			360.99									416.14	358.48
Nuclear					98.76						95.09		81.47			88.98	96.70
Weighted Average	483.37	403.52	487.39	416.14	98.76	453.87	346.37	988.88	838.07	345.25	95.09	522.30	81.47	437.53	380.73	185.39	177.84
Generated (MWh) Avg																	
Coal	4.80	3.65	4.74			2.97	0.97	(0)		3.26				4.82		3.48	3.77
Biomass	-	-	8.37			-	-	-		-				-		8.37	8.80
Fuel Oil	-	-	-			-	-	13.49	(0)	-				-	-	(0)	653.87
Gas - CT			-					13.35	(0)			9.32		-	4.35	5.84	3.26
Gas - CC				2.87			3.31									3.85	2.84
Nuclear					0.88						0.98		0.82			0.88	0.87
Weighted Average	4.80	3.69	8.32	2.87	0.88	4.32	3.01	(0)	(0)	3.26	0.98	9.32	0.82	5.14	4.35	1.78	1.73
Burned (MMBTU's)																	
Coal	154,825	12,197,878	143,572			1,517,088		-		9,375,858				232,686		24,022,206	285,322,410
Biomass	-	-	1,542			-		-		-				-		1,542	17,237
Fuel Oil	8,784	17,081	3,398			80,039		98	82	7,103				2,532	-	130,353	2,043,867
Gas - CT			-					3,885	2,446			13,219		-	72,583	82,130	10,639,671
Gas - CC				3,128,886			1,149,779									4,278,774	31,889,571
Nuclear					9,330,798						19,468,891		19,805,058			45,304,445	571,043,310
Total	164,508	12,212,761	148,510	3,128,886	9,330,798	1,597,165	1,149,779	3,981	2,528	9,382,961	19,468,891	13,219	19,805,058	235,217	72,583	73,824,885	900,966,395
Net Generation (MWh)																	
Coal	62,334	1,337,899	12,916			165,312		(791)		988,882				20,083		2,579,428	37,983,376
Biomass	-	-	126			-		-		-				-		126	1,385
Fuel Oil	-	-	-			-	-	6	(16)	-		-		-	-	(12)	6,885
Gas - CT			-					253	(708)			741		-	6,358	6,646	918,328
Gas - CC				437,748			133,240									309,986	4,418,879
Nuclear 100%					918,801						1,832,770		1,940,200			4,691,971	88,444,831
Hydro (Total System)																21,640	789,006
Solar (Total System)																643	13,479
Total	62,364	1,337,899	13,043	437,748	918,801	165,312	133,240	(532)	(724)	988,882	1,832,770	741	1,940,200	20,083	6,358	7,607,327	93,827,237
Cost of Reagents Consumed (I)																	
Ammonia	-	$1,293,289	-	$15,348		90				-				-		$1,308,817	$8,745,142
Limestone (G)	$168,018	715,456	-	-		141,455				3,298,440				-		1,837,368	14,232,631
Urea	82,377	-	-	-		-				313,276				-		395,653	3,714,744
Organic Acid	-	-	-	-		-				-				-		-	-
Sorbents	79,034	-	-	-		-				-				-		79,034	255,171
Total	$248,829	$2,008,724	-	$15,348		$141,455				$3,609,716				-		$3,540,371	$26,947,678

(B) Coal receipts exclude 6,412 tons and $387,723 associated with terminals for the current month.
(A) Cost of coal received includes a transfer of inventory from Dan River to Belews Creek valued at $336,873 in the current month and $5,788,486 for the twelve months ended.
(G) Cost of the coal inventory transfer between Dan River to Belews Creek rate to zero in the current month with the exceptions of the $61,000 cost of freight reported in cost of coal received at Belews Creek
(D) Coal/oil/gas not consumed when costs and/or net generation is negative
(C) Cost of fuel burned excludes $2,857 associated with emission allowance expense for the month and $61,729 for the twelve months ended.
(C) The current month and twelve months ended data include an annual sorbent survey adjustment recorded in Dec 2012
(D) Cost of coal burned includes a $389,873 reduction in consumption expense at Dan River Station following a true-up to physical inventory
(E) Cost of biomass burned is reported at fixed cost prior to the reclassification of fuel expense applicable to NC renewable energy which is -$3,380 for the month and -$10,287 for the twelve months ended
(F) Cost of fuel oil burned excludes $0,000 in diesel fuel costs for on-site standby generators for the month and $24,385 for the twelve months ended.
(G) The following CT units were retired October 1, 2012: Buck units 7, 8, & 9; Dan River units 4, 5, & 6. Rockingham units 6, 9, 10, & 11, and Buzzard Roost units 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15.
(H) Cliffside unit 6 was placed in service December 30, 2012
(I) Dan River coal units 1, 2, & 3 were retired April 1, 2012. Dan River combined cycle plant was placed in service December 10, 2012
Notes:
Detail amounts may not add to totals shown due to rounding.
Fuel cost information on this report does not reflect intercompany sharing of fuel-related merger savings between Duke Energy Carolinas and Progress Energy Carolinas.
Fuel costs based on reasonableness unless otherwise noted. Data reflected at 100% ownership.

Schedule 8

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT
December 2012

Description	Allen Steam	Belews Creek Steam	(G) Buck Steam/CT	Buck Gas/CC	(H) Cliffside Steam	(G), (I) Dan River Gas/CC	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	(G) Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME December 2012
Coal Data:														
Beginning balance	750,006	1,845,337	63,282		501,147	-	130,167		1,281,389		166,580		4,767,869	4,139,358
Tons received during period	80,839	395,279	-		79,176	-	-		325,533		-		880,826	11,336,486
Inventory adjustments (A)	126	985	204		1,160	-	-		(3,345)		-		(872)	(30,216)
Tons burned during period (B)	23,723	490,848	6,092		49,836	-	-		322,478		9,497		902,371	10,700,158
Ending balance (C)	837,250	1,750,852	57,394		531,646	-	130,167		1,281,100		157,083		4,745,471	4,745,471
MBTUs per ton burned	23.37	24.85	23.57		30.58	-	-		29.07		24.52		26.62	24.80
Cost of ending inventory ($/ton) (C)	100.75	99.63	100.21		102.41	-	89.80		100.21		101.85		100.36	100.36
Biomass/Test Fuel Data:														
Beginning balance			283				-						283	2,222
Tons received during period			-				-						-	95
Inventory adjustments			-				-						-	2
Tons burned during period			195				-						195	2,251
Ending balance			88				-						88	88
Cost of ending inventory ($/ton)			41.07				-						41.07	41.07
Fuel Oil Data:														
Beginning balance	98,182	229,500	280,042		34,370	92,507	488,036	9,818,405	205,745	3,984,188	128,412	2,868,580	16,324,854	15,333,863
Gallons received during period	74,838	140,848	45,838		803,872	-	89,915	-	164,580	-	30,587	-	1,350,148	18,716,498
Miscellaneous usage, transfers and adjustments	(5,909)	(8,546)	(1,017)		(3,830)	(1)	(2,588)	-	(29,586)	-	(222)	-	(51,057)	(518,064)
Gallons burned during period (D)	71,279	124,258	24,658		650,873	-	704	444	51,861	-	21,315	-	945,854	14,653,318
Ending balance	93,902	237,344	301,103		183,338	92,506	572,657	9,817,961	269,069	3,984,188	137,462	2,868,580	18,678,089	18,678,089
Cost of ending inventory ($/gal)	3.14	3.20	2.98		3.14	3.06	2.85	1.49	3.21	2.99	3.03	2.47	2.13	2.13
Gas Data: (E)														
Beginning balance														
MCF received during period (F)			-	3,075,748		1,130,936	3,817	2,407		13,033	-	71,361	4,297,300	41,858,759
MCF burned during period (F)			-	3,075,748		1,130,936	3,817	2,407		13,033	-	71,361	4,297,300	41,858,759
Ending balance														
Cost of ending inventory ($/mcf)														
Limestone Data:														
Beginning balance	25,579	47,943			25,304				52,957				151,783	215,543
Tons received during period	-	6,851			-				13,136				19,986	336,745
Tons consumed during period (B)	4,673	22,989			5,185				19,552				52,389	434,919
Ending balance	20,906	31,805			20,119				46,540				119,370	119,370
Cost of ending inventory ($/ton)	35.77	31.02			30.65				30.51				31.58	31.69

(A) Coal inventory adjustments include a transfer from Dan River to Belews Creek of 3,909 tons in the current month and 85,963 tons for the twelve months ended. The tons transferred between the stations net to zero
(A) Coal inventory adjustments include a 3,908 ton increase at Dan River Station following a true-up to physical inventory.
(B) The current month and twelve months ended data include an annual earlier survey adjustment recorded in Dec 2012.
(C) Coal Inventory Ending Balance excludes 6,412 tons and $367,728 associated with terminals for the current month
(D) Total gallons of fuel oil burned includes 642 gallons of diesel fuel oil for on-site standby generators for the month and -5,887 for the twelve months ended. Monthly consumption is reported on a month lag due to timing of data availability
Offsetting activity for the on-site standby generator consumption is reported as miscellaneous usage, transfers and adjustments
(E) Gas is burned as received; therefore, inventory balances are not maintained.
(F) Twelve months ended Gas MCF received and burned includes 31,583,485 attributable to combined cycle plant activity.
(G) The following CT units were retired October 1, 2012: Buck units 7, 8, & 9; Dan River units 4, 5, & 6; Riverbend units 8, 9, 10, & 11; and Buzzard Roost units 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15
(H) Cliffside unit 6 was placed in service December 30, 2012.
(I) Dan River coal units 1, 2, & 3 were retired April 1, 2012. Dan River combined cycle plant was placed in service December 10, 2012.

Notes:
Detail amounts may not add to totals shown due to rounding.

Schedule 6

DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASES
December 2012

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	-	-	-
	CONTRACT	80,839	$ 8,000,372.60	$ 98.97
	ADJUSTMENTS	-	716,012.16	-
	TOTAL	80,839	8,716,384.76	107.82
BELEWS CREEK	SPOT	-	-	-
	CONTRACT	395,278	36,360,329.11	91.99
	ADJUSTMENTS (A)	3,909	2,860,078.67	731.74
	TOTAL	399,186	39,220,407.78	98.25
CLIFFSIDE	SPOT	-	-	-
	CONTRACT	79,176	7,226,032.40	91.27
	ADJUSTMENTS	-	561,199.28	-
	TOTAL	79,176	7,787,231.68	98.35
DAN RIVER	SPOT	-	-	-
	CONTRACT	-	-	-
	ADJUSTMENTS (A)	(3,909)	(398,872.65)	102.05
	TOTAL	(3,909)	(398,872.65)	102.05
MARSHALL	SPOT	-	-	-
	CONTRACT	325,533	31,191,548.61	95.82
	ADJUSTMENTS	-	1,007,215.95	-
	TOTAL	325,533	32,198,764.56	98.91
ALL PLANTS	SPOT	-	-	-
	CONTRACT	880,826	82,778,282.72	93.98
	ADJUSTMENTS	-	4,745,633.41	-
	TOTAL	880,826	$ 87,523,916.13	$ 99.37

(A) 3,908.60 coal tons were transferred from Dan River station to Belews Creek station.
The book cost of coal tons transferred was $398,872.65 plus the $51,000.00 cost of freight.

Schedule 8

Duke Energy Carolinas
Analysis of Quality of Coal Received
December 2012

Station	Percent Moisture	Percent Ash	Heat Value	Percent Sulfur
Allen	16.01	7.10	10,998	3.47
Belews Creek	6.86	10.31	12,428	1.35
Cliffside	7.72	19.76	10,665	1.34
Marshall	6.61	11.74	12,227	1.41

Duke Energy Carolinas
Analysis of Cost of Oil Purchases
December 2012

Station	Allen	Belews Creek	Buck	Cliffside	Lee	Marshall	Riverbend
Vendor		HighTowers	HighTowers	HighTowers	HighTowers	High Towers	High Towers
Spot / Contract	Contract	Contract	Contract	Contract	Contract	Contract	Contract
Sulfur Content %	0	0	0	0	0	0	0
Gallons Received	74,898	140,648	45,836	803,872	89,915	164,590	30,587
Total Delivered Cost	$ 238,478.54	$ 451,701.49	$ 145,176.81	$ 2,537,625.23	$ 305,454.77	$ 544,643.39	$ 96,976.08
Delivered Cost/Gal	$ 3.18	$ 3.21	$ 3.17	$ 3.16	$ 3.40	$ 3.31	$ 3.17
BTU/Gallon	137,264	137,467	137,723	138,890	136,374	137,446	137,538

Note A: Total delivered cost for receipts from HighTowers Petroleum.

Schedule 9

DUKE ENERGY CAROLINAS
POWER PLANT PERFORMANCE DATA
TWELVE MONTHS SUMMARY
January, 2012 - December, 2012

Plant Name	Generation MWH	Capacity Rating MW	Capacity Factor %	Net Equivalent Availability %
Oconee	20,647,480	2,538	92.62	91.26
McGuire	17,968,152	2,200	92.98	89.04
Catawba	17,829,299	2,258	89.89	87.89

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January 2012 through December 2012
Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	7,685,065	1,110	78.82	90.70
Belews Creek 2	6,305,060	1,110	64.67	85.20

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January 2012 through December 2012
Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	1,144,368	555	23.49	89.57
Marshall 1	1,078,626	380	32.31	84.84
Marshall 2	1,370,510	380	41.06	87.87
Marshall 3	3,263,260	658	56.46	88.39
Marshall 4	3,902,223	660	67.31	87.65

Note: This report is limited to capturing data beginning the first full month a unit is in commercial operation.

Cliffside unit 6 began pre-commercial operation in June 2012 and commercial operation on December 30, 2012. Cliffside unit 6 net generation (mWh) within the twelve month period was as follows:

June 2012:	1,496 mWh; pre-commercial	
July 2012:	77,787 mWh; pre-commercial	
August 2012:	212,376 mWh; pre-commercial	
September 2012:	139,874 mWh; pre-commercial	
October 2012:	(1,302) mWh; pre-commercial	(auxiliaries only)
November 2012:	170,464 mWh; pre-commercial	
December 2012:	168,280 mWh; pre-commercial & commercial combined	

Duke Energy Carolinas
Power Plant Performance Data

Twelve Month Summary
January 2012 through December 2012
Other Cycling Coal Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen 1	100,069	162	7.03	88.77
Allen 2	78,152	162	5.49	89.76
Allen 3	606,229	261	26.44	92.76
Allen 4	777,282	276	32.06	95.97
Allen 5	386,992	266	16.56	86.90
Buck 5	146,714	128	13.05	98.94
Buck 6	73,215	128	6.51	99.53
Dan River 1	-1,373	67	0.00	100.00
Dan River 2	-166	67	0.00	100.00
Dan River 3	-396	142	0.00	100.00
Lee 1	19,113	100	2.18	99.86
Lee 2	29,392	100	3.35	97.96
Lee 3	80,920	170	5.42	99.24
Riverbend 4	26,139	94	3.17	99.31
Riverbend 5	23,562	94	2.85	99.57
Riverbend 6	45,321	133	3.88	98.84
Riverbend 7	61,489	133	5.26	99.15

Note:

Dan River units 1, 2, & 3 were retired April 1, 2012.

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January,2012 through December,2012
Combustion Turbines

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Buck CT	-180	47	66.67
Buzzard Roost CT	-868	132	89.99
Dan River CT	-153	36	87.48
Lee CT	55,780	82	98.88
Lincoln CT	28,506	1,264	94.26
Mill Creek CT	125,402	592	91.10
Riverbend CT	-725	48	100.00
Rockingham CT	715,431	825	56.55

Note:

The following units were retired October 1, 2012:

Buck CT units 7, 8, & 9
Buzzard Roost CT units 6, 7, 8, 9, 10, 11, 12, 13, 14, & 15.
Dan River CT units 4, 5, & 6
Riverbend CT units 8, 9, 10, & 11.

Duke Energy Carolinas
Power Plant Performance
12 Months Ended December 2012

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants:			
Bridgewater	41,458	31.500	91.45
Cedar Creek	93,606	45.000	98.80
Cowans Ford	100,905	325.200	95.81
Dearborn	104,232	42.000	76.44
Fishing Creek	91,594	49.000	99.77
Gaston Shoals	16,221	2.000	42.52
Great Falls	7,948	12.000	98.38
Keowee	41,997	152.000	99.35
Lookout Shoals	67,912	27.900	81.28
Mountain Island	71,839	62.000	98.51
Ninety Nine Island	49,577	6.400	98.54
Oxford	77,315	40.000	79.75
Rhodhiss	46,476	30.000	91.65
Rocky Creek	(191)	-	-
Tuxedo	19,953	6.400	72.67
Wateree	125,831	85.000	92.02
Wylie	85,879	72.000	92.34
Nantahala	206,704	50.000	97.25
Queens Creek	2,618	1.440	94.60
Thorpe	69,509	19.700	83.02
Tuckasegee	5,988	2.500	84.40
Tennessee Creek	26,421	9.800	92.95
Bear Creek	24,861	9.450	99.96
Cedar Cliff	17,699	6.400	93.54
Mission	1,557	0.600	88.46
Franklin	1,489	0.600	74.58
Bryson	1,208	0.480	99.86
Total Conventional	1,400,604		
Pumped Storage Plants:			
Jocasee	928,617	780.000	91.84
Bad Creek	1,752,364	1,360.000	95.79
Subtotal	2,680,981		
Energy for Pumping:			
Jocasee	(1,103,984)		
Bad Creek	(2,218,596)		
Subtotal	(3,322,580)		
Generation less Energy for Pumping			
Jocassee	(175,367)		
Bad Creek	(466,232)		
Total Pumped Storage	(641,599)		

NOTE(S):
Capacity MW amounts varied across the range of time indicated.
The amounts shown represent the capacity effective as of the period end date.

Duke Energy Carolinas
Power Plant Performance Data

Twelve Month Summary
January 2012 through December 2012
Combined Cycle Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Buck CC 10	4,167,226	620	76.52	89.93

Note: This report is limited to capturing data beginning the first full month a station is in commercial operation.

Dan River CC began pre-commercial operation in July 2012 and commercial operation on December 10, 2012. Dan River CC net generation (mWh) within the twelve month period was as follows:

July 2012:	935 mWh; pre-commercial
August 2012:	3,526 mWh; pre-commercial
September 2012:	2,209 mWh; pre-commercial
October 2012:	8,488 mWh; pre-commercial
November 2012:	104,254 mWh; pre-commercial
December 2012:	1,986 mWh; pre-commercial
December 2012:	135,081 mWh; commercial

Duke Energy Carolinas
Month Ending: December 2012
Dollars reported in ($)

		Gross Savings			Allocated Savings		DE Carolinas
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1	Joint Dispatch	$ 1,301,356	$ 800,756	$ 2,102,112	$ 1,287,559	$ 814,553	$ 878,439
2	Coal Blending	3,283,962	-	3,283,962	2,023,440	1,260,522	1,380,495
3	Coal Procurement	113,682	428,992	542,674	330,870	211,804	225,737
4	Coal Transportation	608,727	370,382	979,109	602,044	377,065	410,745
5	Reagent Procurement & Transportation	49,572	83,138	132,710	81,814	50,898	55,818
6	Natural Gas Capacity	2,159,479	-	2,159,479	1,332,961	826,518	909,414
7	Natural Gas Trading	35,954	-	35,954	22,152	13,802	15,113
		$ 7,552,732	$ 1,683,268	$ 9,236,000	$ 5,680,839	$ 3,555,182	$ 3,875,761
	Resource ratio %	61.25%	38.75%	100.00%			
	Billed Sales (MWH)				6,442,815		4,395,620
	Sales allocation %						68.23%

Twelve Months Ending: December 2012

		Gross Savings			Allocated Savings		DE Carolinas
		DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1	Joint Dispatch	$ 11,328,001	$ 2,820,298	$ 14,148,300	$ 8,316,083	$ 5,832,217	$ 5,683,604
2	Coal Blending (a)	23,524,131	-	23,524,131	17,514,516	6,009,615	11,944,691
3	Coal Procurement (a)	1,624,630	2,475,010	4,099,640	2,399,044	1,700,596	1,638,917
4	Coal Transportation (a)	2,181,451	1,805,939	3,987,390	2,165,421	1,821,969	1,475,238
5	Reagent Procurement & Transportation	450,300	689,849	1,140,149	560,574	579,575	382,795
6	Natural Gas Capacity	4,754,353	-	4,754,353	2,807,572	1,946,781	1,907,678
7	Natural Gas Trading	215,724	-	215,724	127,540	88,185	87,260
		$ 44,078,591	$ 7,791,096	$ 51,869,687	$ 33,890,749	$ 17,978,938	$ 23,120,183

Total-to-date: December 2012

		Target	Gross Savings			Allocated Savings		DE Carolinas
			DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1	Joint Dispatch	$ 318,955,000	$ 11,328,001	$ 2,820,298	$ 14,148,300	$ 8,316,083	$ 5,832,217	$ 5,683,604
2	Coal Blending (a)	259,800,000	23,524,131	-	23,524,131	17,514,516	6,009,615	11,944,691
3	Coal Procurement (a)	45,950,000	1,624,630	2,475,010	4,099,640	2,399,044	1,700,596	1,638,917
4	Coal Transportation (a)	30,395,000	2,181,451	1,805,939	3,987,390	2,165,421	1,821,969	1,475,238
5	Reagent Procurement & Transportation	12,800,000	450,300	689,849	1,140,149	560,574	579,575	382,795
6	Natural Gas Capacity	16,900,000	4,754,353	-	4,754,353	2,807,572	1,946,781	1,907,678
7	Natural Gas Trading	2,000,000	215,724	-	215,724	127,540	88,185	87,260
		$ 688,800,000	$ 44,078,591	$ 7,791,096	$ 51,869,687	$ 33,890,749	$ 17,978,938	$ 23,120,183

(a) Includes January – June 2012 savings associated with fuel-related savings guarantee, retained by the originating company

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 11

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (b)

PERIOD: December, 2012

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None					
	2	None					
	3	None					
McGuire	1	None					
	2	12/01/2012 - 12/02/2012	23.65	UNSCHEDULED	TURBINE TRIP DUE TO INCORRECT TURBINE INLET PRESSURE SETPOINT	ENGINEERING MODIFICATION SETPOINT ERROR	DEVELOPED NEW SETPOINTS
Catawba	1	11/24/2012 - 12/20/2012	460.42	SCHEDULED	END-OF-CYCLE 20 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
	1	12/20/2012 - 12/20/2012	8.00	UNSCHEDULED	OUTAGE DELAYED 0.33 DAYS DUE TO REFUELING EQUIPMENT PERFORMANCE DEFICIENCIES	REFUELING EQUIPMENT FAILURES	REPAIRED REFUELING EQUIPMENT

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (b)

PERIOD: December, 2012

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
	1	12/20/2012 - 12/24/2012	93.00	UNSCHEDULED	OUTAGE DELAYED 3.88 DAYS DUE TO REACTOR COOLANT PUMP SEAL INJECTION CHECK VALVE FAILURE	REACTOR COOLANT PUMP SEAL CHECK VALVE FAILURE	REPAIR REACTOR COOLANT PUMP SEAL CHECK VALVE
	1	12/24/2012 - 12/28/2012	94.62	UNSCHEDULED	OUTAGE DELAYED 3.94 DAYS DUE TO AUXILIARY FEEDWATER PUMP TURBINE FAILURE DURING TESTING	AUXILIARY FEEDWATER PUMP TURBINE FAILURE	REPAIR AUXILIARY FEEDWATER PUMP
	1	12/28/2012 - 12/28/2012	3.70	SCHEDULED	MAIN TURBINE OVERSPEED TRIP TEST	SCHEDULED OVERSPEED TEST	COMPLETED SCHEDULED OVERSPEED TEST
	2	None					

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (B)

December 2012

Belews Creek Steam Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
02	12/2/2012 10:02:00 PM To 12/3/2012 11:05:00 PM	Unsch	1050	Second Superheater Leaks	BOILER TUBE LEAK,SSH.	

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
01	12/14/2012 1:58:00 PM To 12/17/2012 7:03:00 AM	Unsch	1050	Second Superheater Leaks	BOILER TUBE LEAK,SSH.	

Duke Energy Carolinas
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
December 2012
Oconee Nuclear Station

	Unit 1		Unit 2		Unit 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	744		744		744	
(C1) Net Gen (MWH) and Capacity Factor	640302	101.73	647687	102.90	652211	103.62
(D1) Net MWH Not Gen Due To Full Schedule Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1826	0.29	0	0.00	213	0.03
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-12704	-2.02	-18263	-2.90	-23000	-3.65
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	629424	100.00%	629424	100.00%	629424	100.00%
(I) Equivalent Availability		99.71		100.00		99.97
(J) Output Factor		101.73		102.90		103.62
(K) Heat Rate		10,132		10,052		9,976

* Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
December 2012
McGuire Nuclear Station

	Unit 1		Unit 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	861255	105.24	771515	94.27
(D1) Net MWH Not Gen Due To Full Schedule Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	53512	6.54
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	26015	3.18
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-42855	-5.24	-32642	-3.99
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00
(H) Net MWH Possible In Period	818400	100.00%	818400	100.00%
(I) Equivalent Availability		100.00		89.60
(J) Output Factor		105.24		97.37
(K) Heat Rate		10,040		10,138

* Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
December 2012
Catawba Nuclear Station

	Unit 1		Unit 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	744		744	
(C1) Net Gen (MWH) and Capacity Factor	54805	6.52	864096	102.87
(D1) Net MWH Not Gen Due To Full Schedule Outages	523991	62.38	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	34934	4.16	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	220855	26.29	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	5391	0.65	-24120	-2.87
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00
(H) Net MWH Possible In Period	839976	100.00%	839976	100.00%
(I) Equivalent Availability		7.78		100.00
(J) Output Factor		57.60		102.87
(K) Heat Rate		13,140		9,965

* Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2) (3)

December 2012

Belews Creek Steam Station

	Unit 1	Unit 2
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	686,947	650,712
(C1) Capacity Factor	83.18	78.79
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	0
(D1) Scheduled Outages: percent of Period Hrs	0.00	0.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	72,243	27,805
(E1) Forced Outages: percent of Period Hrs	8.75	3.37
(E2) Net mWh Not Generated due to Partial Forced Outages	0	11
(E2) Forced Derates: percent of Period Hrs	0.00	0.00
(F) Net mWh Not Generated due to Economic Dispatch	66,650	147,311
(F) Economic Dispatch: percent of Period Hrs	8.07	17.84
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	91.25	96.63
(I) Output Factor (%)	91.16	85.25
(J) Heat Rate (BTU/NkWh)	9,056	9,211

*Estimated

Footnote: (J) Includes Light Off BTU's

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

December 2012

Marshall Steam Station

		Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A)	MDC (mWh)	380	380	658	660
(B)	Period Hrs	744	744	744	744
(C1)	Net Generation (mWh)	76,799	159,950	365,452	386,661
(D)	Net mWh Possible in Period	282,720	282,720	489,552	491,040
(E)	Equivalent Availability	90.31	98.75	94.71	99.56
(F)	Output Factor (%)	58.54	61.57	78.70	78.74
(G)	Capacity Factor	27.16	56.58	74.65	78.74

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

December 2012

Cliffside Steam Station

		Cliffside 5
(A)	MDC (mWh)	556
(B)	Period Hrs	744
(C1)	Net Generation (mWh)	-2,968
(D)	Net mWh Possible in Period	413,664
(E)	Equivalent Availability	57.46
(F)	Output Factor (%)	0.00
(G)	Capacity Factor	0.00

Note:

This report is limited to capturing units in full months of commercial operation. Cliffside unit 6 was placed into service on December 30, 2012. During the month of December 2012, Cliffside unit 6 produced 168,280 mWh of pre-commercial and commercial generation combined.

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
January 2012 - December 2012
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8784		8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	6701974	90.19	7537005	101.42	6408501	86.24
(D1) Net MWH Not Gen Due To Full Scheduled Outages	589282	7.93	0	0.00	1111221	14.95
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	19514	0.26	1082	0.01	52836	0.71
(E1) Net MWH Not Gen Due To Full Forced Outages	155672	2.09	22994	0.31	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-35178	-0.47	-129817	-1.74	-141294	-1.90
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7431264	100.00%	7431264	100.00%	7431264	100.00%
(I) Equivalent Availability		89.31		99.57		84.90
(J) Output Factor		100.23		101.74		101.40
(K) Heat Rate		10,256		10,158		10,025

*Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
January 2012 - December 2012
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	10114042	104.67	7854110	81.29
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	1003200	10.38
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	1143	0.01	67742	0.70
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	1042690	10.79
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-452785	-4.68	-305342	-3.16
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9662400	100.00%	9662400	100.00%
(I) Equivalent Availability		99.99		78.08
(J) Output Factor		104.67		103.12
(K) Heat Rate		10,097		10,126

*Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN
NCUC RULE R8-53 (c) (2) (3)
January 2012 - December 2012
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8784		8784	
(C1) Net Gen (MWH) and Capacity Factor	8767327	88.41	9061972	91.38
(D1) Net MWH Not Gen Due To Full Scheduled Outages	708673	7.15	734449	7.41
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	27712	0.28	30272	0.31
(E1) Net MWH Not Gen Due To Full Forced Outages	556247	5.61	314347	3.17
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-142823	-1.45	-223904	-2.27
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9917136	100.00%	9917136	100.00%
(I) Equivalent Availability		86.68		89.10
(J) Output Factor		101.33		102.18
(K) Heat Rate		10,094		10,022

*Estimate
FOOTNOTE: D1 and E1 Include Ramping Losses

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2) (3)

January 2012 through December 2012

Belews Creek Steam Station

	Unit 1	Unit 2
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,784	8,784
(C1) Net Generation (mWh)	7,685,065	6,305,060
(C1) Capacity Factor	78.82	64.67
(D1) Net mWh Not Generated due to Full Scheduled Outages	567,081	1,243,570
(D1) Scheduled Outages: percent of Period Hrs	5.82	12.75
(D2) Net mWh Not Generated due to Partial Scheduled Outages	40,005	56,080
(D2) Scheduled Derates: percent of Period Hrs	0.29	0.57
(E1) Net mWh Not Generated due to Full Forced Outages	275,243	36,741
(E1) Forced Outages: percent of Period Hrs	2.82	0.38
(E2) Net mWh Not Generated due to Partial Forced Outages	24,326	106,993
(E2) Forced Derates: percent of Period Hrs	0.25	1.10
(F) Net mWh Not Generated due to Economic Dispatch	1,158,520	2,001,796
(F) Economic Dispatch: percent of Period Hrs	11.88	20.53
(G) Net mWh Possible in Period	9,750,240	9,750,240
(H) Equivalent Availability	90.70	85.20
(I) Output Factor (%)	89.40	84.30
(J) Heat Rate (BTU/NkWh)	9,102	9,279

*Estimated

Footnote: (J) Includes Light Off BTU's

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

January 2012 through December 2012

Marshall Steam Station

		Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A)	MDC (mWh)	380	380	658	660
(B)	Period Hrs	8,784	8,784	8,784	8,784
(C1)	Net Generation (mWh)	1,078,626	1,370,510	3,263,260	3,902,223
(D)	Net mWh Possible in Period	3,337,920	3,337,920	5,779,872	5,797,440
(E)	Equivalent Availability	84.84	87.87	88.39	87.65
(F)	Output Factor (%)	66.21	67.78	74.44	76.70
(G)	Capacity Factor	32.31	41.06	56.46	67.31

Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan

NCUC Rule R8-53 (C) (2)

January 2012 through December 2012

Cliffside Steam Station

		Cliffside 5
(A)	MDC (mWh)	554
(B)	Period Hrs	8,784
(C1)	Net Generation (mWh)	1,144,368
(D)	Net mWh Possible in Period	4,872,192
(E)	Equivalent Availability	89.57
(F)	Output Factor (%)	70.96
(G)	Capacity Factor	23.49

Note: This report is limited to capturing data beginning the first full month a unit is in commercial operation.

Cliffside unit 6 began pre-commercial operation in June 2012 and commercial operation on December 30, 2012. Cliffside unit 6 net generation (mWh) within the twelve month period was as follows:

June 2012:	1,496 mWh; pre-commercial	
July 2012:	77,787 mWh; pre-commercial	
August 2012:	212,376 mWh; pre-commercial	
September 2012:	139,874 mWh; pre-commercial	
October 2012:	(1,302) mWh; pre-commercial	(auxiliaries only)
November 2012:	170,464 mWh; pre-commercial	
December 2012:	168,280 mWh; pre-commercial & commercial combined	

DUKE ENERGY CAROLINAS
DOCKET NO. E-7, SUB 886
CALCULATION OF MERGER-RELATED FUEL COST SAVINGS

Line No.				
1	Total DEC and PEC Savings Projected For Year 1	$72,000,000		Merger Application Exhibits 4 and 5
2	Portion of Year One in Initial DEC Rate Period	83.33%		September 2012 through June 2013
3	Amount to Include in Initial DEC Rate Reduction		$60,000,000	Line 1 x Line 2
4	Total DEC and PEC Savings Projected For Year 2	$100,000,000		Merger Application Exhibits 4 and 5
5	Portion of Year Two in Initial DEC Rate Period	16.67%		July 2013 through August 2013
6	Amount to Include in Initial DEC Rate Reduction		$16,666,667	Line 4 x Line 5
7	Total Amount to Include in Initial DEC Rate Reduction		$76,666,667	Line 3 + Line 6
8	Projected Allocation to DEC based on 2012 Fuel Filings		58.75%	Forecasts in E-7, Sub 1002 and E-2, Sub 1018
9	Amount Allocated to DEC		$45,041,667	Line 7 x Line 8
10	Projected Allocation to NC Retail based on E-7, Sub		67.78%	Line 9 of Supplemental McManeus Exhibit 1, Schedule 2(c), Page 2 (E-7,Sub 1002)
11	Amount Allocated to DEC NC Retail		$30,527,839	Line 9 x Line 10
12	Projected Billing MWh Sales		55,014,183	Supplemental McManeus Exhibit 1, Schedule 2c, page 2 (E-7, Sub 1002)
13	Current composite Merger Savings decrement cents/kWh		(0.0555)	

DUKE ENERGY CAROLINAS
E-7, SUB 986
FUEL RATE CHANGE ASSOCIATED WITH MERGER SAVINGS
DERIVATION OF EQUAL PERCENTAGE DECREASE FOR ALL RATE CLASSES

Line No.	Rate Class	Projected Billing Period MWH Sales (a) Supplemental McManeus Exhibit 1, Schedule 2c, page 2 (E-7, Sub 1002)	Annual Revenue at Current Rates (b) Supplemental McManeus Exhibit 6(c) (E-7, Sub 1002)	Allocate Merger Related Fuel Cost Savings To Customer Class (c) (b) /(b) line 4 * (c) line 4	Increase / (Decrease) as % of Annual Revenue at Current Rates (d) (c) / (b)	Rider XXX Increase/(Decrease) (e) (c) / (a) *100 ¢ / kwh	Rider XXXX Billing Factor[2] ¢ / kwh
1	Residential	20,759,438	$ 2,168,605	$ (14,886)	-0.7%	(0.0707)	(0.0731)
2	General Service/Lighting	21,958,810	$ 1,649,633	$ (11,181)	-0.7%	(0.0509)	(0.0527)
3	Industrial	12,295,938	$ 687,624	$ (4,661)	-0.7%	(0.0379)	(0.0392)
4	NC Retail	55,014,183	$ 4,503,863	$ (30,528)			
5	NC Retail Decrease in Fuel Revenue[1]			$ (30,528)			

(2) Incremental Rates including NC gross receipts taxes and regulatory fee

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 3

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWHs	8886	9100	9717	9224	7403	6227	6814	57,370.03
Hours	8760	8760	8760	8760	8760	8760	8760	8760
MDC	1129	1129	1129	1129	846	846	846	7054
Capacity factor	89.85%	92.01%	98.25%	93.26%	99.89%	84.02%	91.94%	92.84%
Cost	58,506.30	64,893.26	64,136.26	61,268.04	50,747.55	43,802.62	47,039.02	390,393.04
$/MWH	6.58	7.13	6.60	6.64	6.86	7.03	6.90	
Avg $/MWHr		**6.80483**						
Remove dry storage cask cost (DSC)	99.24%	99.25%	99.78%	99.77%	99.01%	98.99%	99.02%	
Costs W/O DSC	58,059.46	64,408.35	63,992.21	61,127.78	50,242.79	43,360.56	46,576.39	387,767.54
$/MWH W/O DSC	6.53	7.08	6.59	6.63	6.79	6.96	6.84	
Avg $/MWHr		**6.759061**						
Cents per KWh		**0.675906**						

DUKE ENERGY CAROLINAS

North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 4

Billing Period Sept 2013 through Aug 2014

Docket E-7, Sub 1033

	Catawba 1	Catawba 2	McGuire 1	McGuire 2	Oconee 1	Oconee 2	Oconee 3	Total
MWHs with approved CF	8926	8926	8926	8926	6594	6594	6594	55,483.64
Hours	8760	8760	8760	8760	8760	8760	8760	8760
MDC	1129	1129	1129	1129	846	846	846	7,054.00
Capacity factor	90.25%	90.25%	90.25%	90.25%	88.97%	88.97%	88.97%	89.79%
Cost	60,738.24	60,738.24	60,738.24	60,738.24	44,867.83	44,867.83	44,867.83	377,556.45
Avg $/MWHr		**6.80483**						
Costs W/O DSC	60,329.76	60,329.76	60,329.76	60,329.76	44,566.08	44,566.08	44,566.08	375,017.29
$/MWH W/O DSC								
Avg $/MWHr		**6.759061**						
Cents per KWh		**0.675906**						

DUKE ENERGY CAROLINAS **Smith Workpaper 5**

North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014

Docket E-7, Sub 1033

RESOURCE_TYP DATA_TYPE	UNIT Sept 13- Aug 14	
NUC Total	57,370.032	
COAL Total	26,716.153	
Adjustment	(438.378)	
Adusted Coal Total	26,277.775	
Gas CT and CC total	10,016.167	CC and CT
Run of River Total	1,779.848	
Pumped storage total	3,194.477	
conversion factor	80%	
Energy used to generate	3,993.096	
	798.62	
Catawba Joint Owners	(13,929.209)	
PURC Total	9,448.043	
Adjustment to exclude cost of mitigation sales	(803.900)	
SALE Total	(1,683.858)	

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

RESOURCE_TYPE	Sept 13 - Aug 14	
NUC Total	390,393.04	
Adjustment for DSC	(2,625.50)	
Total Nuclear	387,767.54	
COAL Total	1,006,203.35	
Adjustment	(16,668.63)	
Portion of savings pymt to PEC	9,636.08	Workpaper 7
Adjusted Coal Total	999,170.80	
Gas CT and CC total	302,936.92	
Gas Transportation cost	19,900.00	
Portion of savings pymt to PEC	3,177.89	Workpaper 7
	326,014.80	
PURC Total	9,070.28	
Co gen Capacity	10,211.64	
Renewables	34,567.18	
Renewables Capacity	6,918.58	
Other Purchase Info not in model	6,923.83	
Allocated Economic Purchase cost	103,191.82	Workpaper 7
Payment to Progress	165,373.85	Workpaper 7
	336,257.19	

Smith Workpaper 7

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

Oct 12 to Sept 13

Positive numbers represent costs, Negative numbers represent savings/cost reduction

	Allocated Economic Purchase Cost		Mitigation Sale Cost		Economic Sales Cost		Fuel Transfer Payment		JOA Savings Payment		Gas Savings Payment		Coal Savings Payment	
	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC	PEC	DEC
9/1/2013	$ 6,780,998	$ 9,599,247	$ -	$ -	$ -	$ (459,770)	$ (10,479,526)	$ 10,479,526	$ (428,536)	$ 428,536	$ (67,271)	$ 67,271	$ (1,308,113)	$ 1,308,113
10/1/2013	$ 5,124,944	$ 7,157,883	$ -	$ -	$ -	$ (696,100)	$ (11,061,496)	$ 11,061,496	$ (799,989)	$ 799,989	$ (69,367)	$ 69,367	$ (1,324,626)	$ 1,324,626
11/1/2013	$ 7,549,439	$ 10,788,446	$ -	$ -	$ (289,700)	$ (1,264,000)	$ (14,735,637)	$ 14,735,637	$ (726,903)	$ 726,903	$ (858,972)	$ 858,972	$ (1,374,776)	$ 1,374,776
12/1/2013	$ 2,941,157	$ 3,945,203	$ -	$ (3,411,800)	$ (1,314,600)	$ (2,092,300)	$ (3,669,466)	$ 3,669,466	$ (97,817)	$ 97,817	$ (920,024)	$ 920,024	$ (1,455,264)	$ 1,455,264
1/1/2014	$ 2,924,984	$ 4,113,413	$ -	$ (3,657,900)	$ (3,567,900)	$ (7,363,800)	$ (4,391,413)	$ 4,391,413	$ (140,707)	$ 140,707	$ (377,316)	$ 377,316	$ (83,098)	$ 83,098
2/1/2014	$ 3,099,233	$ 4,524,973	$ -	$ (3,243,900)	$ (2,975,000)	$ (2,781,800)	$ (5,880,090)	$ 5,880,090	$ (469,082)	$ 469,082	$ (369,075)	$ 369,075	$ (52,808)	$ 52,808
3/1/2014	$ 5,020,350	$ 7,293,577	$ -	$ -	$ -	$ (823,100)	$ (7,489,707)	$ 7,489,707	$ (731,892)	$ 731,892	$ (370,163)	$ 370,163	$ (472,671)	$ 472,671
4/1/2014	$ 7,142,443	$ 10,338,543	$ -	$ -	$ (196,716)	$ (43,166)	$ (7,687,536)	$ 7,687,536	$ (1,117,127)	$ 1,117,127	$ (28,630)	$ 28,630	$ (500,195)	$ 500,195
5/1/2014	$ 6,848,487	$ 9,986,384	$ -	$ -	$ (933,800)	$ (1,565,200)	$ (25,680,262)	$ 25,680,262	$ (1,975,799)	$ 1,975,799	$ (28,506)	$ 28,506	$ (492,511)	$ 492,511
6/1/2014	$ 8,191,616	$ 11,383,974	$ (10,963,200)	$ (6,193,400)	$ (3,309,100)	$ (3,005,800)	$ (14,051,278)	$ 14,051,278	$ (1,132,866)	$ 1,132,866	$ (29,323)	$ 29,323	$ (542,839)	$ 542,839
7/1/2014	$ 8,546,598	$ 11,715,463	$ (12,736,000)	$ (6,127,800)	$ (1,358,600)	$ (5,094,400)	$ (11,237,850)	$ 11,237,850	$ (500,234)	$ 500,234	$ (29,557)	$ 29,557	$ (1,009,672)	$ 1,009,672
8/1/2014	$ 9,074,791	$ 12,346,738	$ (11,695,800)	$ (7,199,200)	$ (984,300)	$ (2,896,600)	$ (10,127,715)	$ 10,127,715	$ (670,256)	$ 670,256	$ (29,685)	$ 29,685	$ (1,019,513)	$ 1,019,513
Sept 13 - Aug 14		$ 103,191,824		$ (29,839,400)		$ (28,086,036)		$ 126,491,974		$ 8,791,207		$ 3,177,889		$ 9,636,084

$ 165,373,847 Workpaper 5
$ 38,881,873 Workpaper 8
$ 126,491,974

$ (38,881,873)
$ (28,086,036)
$ (66,967,909)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 8

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

	Transfer Projection		Purchase Allocation Delta		Adjusted Transfer		Fossil Gen Cost		Pre-Net Payments		Actual Payments	
	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PEC	DEC	PECtoDEC	DECtoPEC	PECtoDEC	DECtoPEC
9/1/2013	211,342	49,902	137,687	(137,687)	349,029	49,902	$ 35.15	$ 35.82	$ 1,787,629	$ 12,267,155	$ -	$ 10,479,526
10/1/2013	219,225	6,464	105,379	(105,379)	324,604	6,464	$ 34.77	$ 34.95	$ 225,929	$ 11,287,424	$ -	$ 11,061,496
11/1/2013	313,598	69,920	181,505	(181,505)	495,103	69,920	$ 34.65	$ 34.57	$ 2,417,473	$ 17,153,110	$ -	$ 14,735,637
12/1/2013	241,167	151,218	11,555	(11,555)	252,721	151,218	$ 36.30	$ 36.40	$ 5,504,254	$ 9,173,720	$ -	$ 3,669,466
1/1/2014	284,237	179,120	7,741	(7,741)	291,977	179,120	$ 38.21	$ 37.76	$ 6,764,168	$ 11,155,581	$ -	$ 4,391,413
2/1/2014	290,285	153,988	13,527	(13,527)	303,813	153,988	$ 38.41	$ 37.60	$ 5,789,681	$ 11,669,771	$ -	$ 5,880,090
3/1/2014	257,980	101,227	51,399	(51,399)	309,378	101,227	$ 36.39	$ 37.21	$ 3,767,083	$ 11,256,790	$ -	$ 7,489,707
4/1/2014	303,867	122,212	27,920	(27,920)	331,787	122,212	$ 36.73	$ 36.80	$ 4,497,867	$ 12,185,402	$ -	$ 7,687,536
5/1/2014	513,221	16,830	222,430	(222,430)	735,651	16,830	$ 35.74	$ 36.57	$ 615,447	$ 26,295,708	$ -	$ 25,680,262
6/1/2014	319,160	36,971	105,402	(105,402)	424,562	36,971	$ 36.43	$ 38.30	$ 1,415,877	$ 15,467,155	$ -	$ 14,051,278
7/1/2014	253,516	74,399	126,996	(126,996)	380,512	74,399	$ 37.17	$ 39.08	$ 2,907,318	$ 14,145,168	$ -	$ 11,237,850
8/1/2014	267,901	83,041	96,694	(96,694)	364,595	83,041	$ 36.53	$ 38.40	$ 3,189,148	$ 13,316,863	$ -	$ 10,127,715
	3,475,498	1,045,292			4,563,732	1,045,292			38,881,873	165,373,847	-	126,491,974

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 9

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

	Sept - Aug	Retail Sales
NC Retail Sales	55,516,317	55,516,317
SC Residential MWh sales	6,516,476	6,516,476
SC Commercial MWh sales, incl. outdoor light	5,872,824	5,872,824
SC Public Light	41,371	41,371
SC Industrial MWh sales	8,545,462	8,545,462
NPL Resale	90,124	76,492,451
10A NC	1,191,810	
10A SC	317,356	
Rutherford @meter above FFR 2009-2010	816,960	
Piedmont @meter	390,737	
Blue Ridge @meter	1,150,383	
NC EMC fixed load shape	379,552	
Haywood @meter	115,735	
New River @meter	250,924	
Greenwood @meter	296,972	
Central @meter	895,875	
Regular Sales	82,388,880	
Company Use	218,987	
Line Losses	5,164,802	
Change in Unbilled	(96,395)	
Line Losses & Change in Unbilled & Company Use	5,287,395	
SC total	20,976,133	

North Carolina:

Residential	20,955,314
General	22,081,756
Industrial	9,637,232
Textile	2,607,521
Other	234,494
NC RETAIL	55,516,317

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012
Docket E-7, Sub 1253

Smith Workpaper 10

	February 1, 2012 - June 30, 2012			July 1 2012 - August 30, 2012			September 1 2012 - December 31, 2012														
	KWh sales	Rate difference	Dollar difference	KWh sales	Rate difference	Dollar difference	KWh sales	Rate difference	Dollar difference	Total adjustment	Revenue per RAC report	Adjusted Revenue	KWh Sales - Feb to Dec	Sales - Jan 13	Total KWH Sales - Feb 12 thru Jan 13	Avg ¢/kwh at Current rates	Normalized Test Period Sales	Annualized Revenues
	A	B	A * B = C	D	E	D * E = F	G	H	G * H = I	C + F + I = J	K	J + K = L	A + D + G = M	N RAC Report	M + N = O	L / M = N	O Smith Ex 4	N * O = P
Residential	7,572,771,690	(0.2770)	$ (70,577,942)	4,298,739,615	(0.3079)	$ (13,229,641)	6,199,648,483	(0.0882)	$ (5,344,095)	$ (89,151,678)	$ 7,066,452,787	$ 2,030,281,089	18,089,158,748	2,101,762,808	20,190,921,556	10.06564	21,143,095	$ 2,128,747,266
General	8,800,107,937	(0.1461)	$ (12,856,950)	4,274,157,541	(0.1820)	$ (7,773,507)	7,272,173,132	(0.0171)	$ (1,243,542)	$ (21,873,999)	$ 1,769,249,478	$ 1,747,375,430	20,343,433,590					
General subject to EE	7,715,930,253	0.0771	$ 5,948,982	3,744,990,932	0.0771	$ 2,887,357	6,376,243,185	0.0771	$ 4,816,083	$ 13,752,422		$ 13,752,422						
Total General			$ (6,907,968)			$ (4,886,150)			$ 3,677,541	$ (8,121,577)	$ 1,769,249,478	$ 1,761,127,851	20,343,433,590	1,873,143,641	22,168,575,231	7.94497	22,112,647	$ 1,756,843,289
Industrial	5,113,388,668	(0.1028)	$ (5,563,765)	2,279,451,266	(0.1447)	$ (3,226,016)	4,104,343,143	(0.0171)	$ (701,843)	$ (9,491,223)	$ 747,819,763	$ 738,328,540	11,447,181,069					
Industrial EE	3,185,178,551	0.0771	$ 2,453,734	1,388,725,194	0.0771	$ 1,070,707	2,556,599,344	0.0771	$ 1,971,135	$ 5,497,576		$ 5,497,576						
Total General			$ (3,107,031)			$ (7,155,309)			$ 1,269,292	$ (3,993,647)	$ 747,819,763	$ 743,826,116	11,447,181,069	908,545,095	12,355,726,164	6.02019	12,278,299	$ 739,175,088
											4,506,571,978	4,535,235,056	49,859,771,407	4,812,749,344	54,672,520,751	8.29274	53,534,611	$ 4,624,765,631

General

	Opt out %	KWHs opted out	KWHs opt in
8,800,102,937	12.37%	1,084,172,682	7,715,930,255
4,271,157,541	12.37%	526,206,609	3,744,950,932
7,272,173,132	12.37%	895,931,727	6,376,243,185
20,343,433,590	12.37%	2,506,311,018	17,837,122,572

Industrial

	Opt out %	KWHs opted out	KWHs opt in
5,113,388,668	37.71%	1,928,258,309	3,185,178,551
2,279,451,266	37.71%	860,726,072	1,388,725,194
4,104,343,143	37.71%	1,547,743,799	2,556,599,344
11,447,181,069	37.71%	4,316,731,981	7,130,449,088

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 11

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

Reagents Forecast
Summary of All Stations

	2013 SEP	2013 OCT	2013 NOV	2013 DEC	2014 JAN	2014 FEB	2014 MAR	2014 APR	2014 MAY	2014 JUN	2014 JUL	2014 AUG	12ME 2014 AUG
Tons													
Limestone	48,651	38,354	39,200	57,635	80,418	64,575	81,128	39,638	44,517	75,244	81,022	83,005	713,585
Lime	513	404	544	568	958	856	898	700	401	819	886	900	8,437
Ammonia	772	260	249	908	1,193	690	749	653	591	1,026	1,122	1,190	9,604
Urea	1,321	1,532	1,440	1,550	1,846	1,553	1,466	591	1,137	1,711	1,790	1,747	17,665
Aqueous Ammonia	502	501	473	516	509	454	264	489	508	489	483	531	5 719
DBA	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Reagents	51,759	41,051	41,907	61,377	84,934	68,329	84,506	42,069	47,154	79,288	85,293	87,373	755,030
Average Cost/Ton													
Limestone	30.50	30.09	29.65	30.47	30.78	30.78	30.60	30.44	31 44	30.87	30 93	31.02	
Lime	125.20	125.65	125.65	125.65	127.28	127.28	127.28	127.74	127.74	127.74	128.20	128.20	
Ammonia	772.32	782.01	789.05	744.50	753.11	753.20	757.34	758.00	769.01	772.15	758.16	724.24	
Urea	384.69	376.96	363.95	363.87	369.78	388.04	401.11	414.03	427.12	400.55	400.21	384.94	
Aqueous Ammonia	212.54	211.40	212.23	207.67	207.64	207.63	223.61	208 65	211.28	211.27	208 48	202.71	
DBA	-	-	-	-	-	-	-	-	-	-	-	-	
Cost													
Limestone	1,483,892	1,154,025	1,162,247	1,762,034	2,475,256	1,988,364	1,970,562	1,208,658	1,399,734	2,322,748	2,506,022	2,574,903	21,904,445
Lime	64,288	50,768	68,331	71,321	123,199	108,953	114,268	89,402	51,276	104,562	111,055	115,364	1,072,784
Ammonia	595,958	203,283	196,605	676,184	898,593	670,542	567,524	484,624	454,816	792,485	850,668	861,928	7,263,011
Urea	508,228	577,595	524,192	563,828	682,595	602,746	588,181	244,866	485,512	685,136	716,435	672,534	6,851,848
Aqueous Ammonia	106,667	105,904	100,450	107,183	105,591	94,312	59,030	102,073	107,304	103,274	100,767	107,669	1,200,225
DBA	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Reagents	$2,759,034	$2,091,572	$2,051,825	$3,180,550	$4,285,234	$3,462,916	$3,199,565	$2,137,623	$2 498,442	$4,008,205	$4,284,947	$4,332,398	$38,292,312
Summary Costs by Station													
Allen	-	-	-	-	16,528	-	-	-	-	29,550	102,158	64,220	212,456
Belews Creek	999,411	241,618	163,909	1,133,079	1,438,204	1,069,886	881,184	798,216	815,787	1,277,517	1,380,251	1,480,645	11,659,688
Buck	1,507	-	-	-	-	-	-	-	-	4,472	12,748	2,939	21,664
Buck CC	51,262	54,600	49,243	49,278	48,632	43,470	1,417	48,771	49,645	47,798	48,671	47,543	538,330
Dan River CC	55,405	51,304	51,208	57,906	58,959	50,841	57,613	55,202	67,659	55,476	54,096	60,125	663,895
Cliffside	487,260	383,813	517,600	581,392	1,063,518	837,683	835,290	644,913	370,647	936,257	1,027,750	989,969	8,676,090
Marshall	1,159,533	1,360,237	1,269,866	1,352,669	1,855,422	1,456,224	1,444,061	590,077	1,204 724	1,626,916	1,629,604	1,658,518	16,415,851
Riverbend	4,856	-	-	6,226	5,973	4,813	-	2,344	-	30,216	31,670	20,439	106,338
Total by Station	$2,759,034	$2,091,572	$2,051,825	$3,180,550	$4,285,234	$3,462,916	$3,199,565	$2,137,623	$2,498 442	$4,008,205	$4,284,947	$4,332,398	$38,292,312

Total by Product 12ME		Allen	BC	Buck	Buck CC	Cliffside	Dan River CC	Marshall	Riverbend	Total	less Riverbend	Add New	Total
2014	Limestone	132,406	6,165,534	-	-	5,834,449	-	9,772,065	-	21,904,445			
AUG	Lime	-	-	-	-	1,072,784	-	-	-	1,072,784			
	Ammonia	-	5,494,153	-	-	1,768,857	-	-	-	7,263,011			
	Urea	80,049	-	21,684	-	-	-	6,643,798	106,338	6,851,848	(106,338)		
	Aqueous Ammonia	-	-	-	538,330	-	663,895	-	-	1,200,225			
	DBA	-	-	-	-	-	-	-	-	-			
	Total	212,456	11,659,688	21,684	538,330	8,676,090	663,895	16,415,851	106,338	38,292,312	(106,338)	3,854,195	41,840,169

6/3/2013

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 12

Billing Period Sept 2013 through Aug 2014
Docket E-7, Sub 1033

Projected DEC fuel flex chemicals

Month	Mag Hydroxide Cost ($1000)				Calcium Carbinate ($1000)				Hydrated Lime ($1000)				
	Allen	Belews Creek	Cliffside 5	Marshall	Allen	Belews Creek	Cliffside 5	Marshall	Allen	Belews Creek	Cliffside 5	Marshall	
September-13	$ -	$ 51.34	$ -	$ 70.64	$ -	$ 32.57	$ -	$ 67.23	$ -	$ 29.81	$ -	$ -	
October-13	$ -	$ 53.14	$ -	$ 58.29	$ -	$ 33.71	$ -	$ 55.47	$ -	$ 30.86	$ -	$ -	
November-13	$ -	$ 48.34	$ -	$ 61.08	$ -	$ 30.67	$ -	$ 58.13	$ -	$ 32.75	$ -	$ -	
December-13	$ -	$ 55.62	$ -	$ 73.47	$ -	$ 35.28	$ -	$ 69.91	$ -	$ 44.85	$ -	$ -	
January-14	$ 3.19	$ 83.09	$ -	$ 91.70	$ 2.02	$ 52.71	$ -	$ 87.26	$ -	$ 61.65	$ -	$ -	
February-14	$ 2.14	$ 61.68	$ -	$ 77.30	$ 1.35	$ 39.13	$ -	$ 73.56	$ -	$ 45.76	$ -	$ -	
March-14	$ -	$ 59.80	$ -	$ 80.43	$ -	$ 37.93	$ -	$ 76.54	$ -	$ 44.36	$ -	$ -	
April-14	$ -	$ 57.21	$ -	$ 35.79	$ -	$ 36.29	$ -	$ 34.05	$ -	$ 42.44	$ -	$ -	
May-14	$ -	$ 52.01	$ -	$ 64.19	$ -	$ 32.99	$ -	$ 61.09	$ -	$ 38.59	$ 7.90	$ -	
June-14	$ 3.44	$ 84.74	$ -	$ 76.81	$ 2.18	$ 53.76	$ -	$ 73.10	$ -	$ 62.87	$ 26.87	$ -	
July-14	$ 13.53	$ 95.99	$ -	$ 75.97	$ 8.58	$ 60.90	$ -	$ 72.29	$ -	$ 55.74	$ 31.96	$ -	
August-14	$ 5.69	$ 103.44	$ -	$ 80.56	$ 3.61	$ 65.62	$ -	$ 76.67	$ -	$ 60.06	$ 22.49	$ -	
12 ME 8/31/2014	$ 28	$ 806	$ -	$ 846	$ 18	$ 512	$ -	$ 805	$ -	$ 550	$ 89	$ -	$ 3,654

Data provided by: Ashley Coleman/Dan Donochod

6/3/2013

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
2% calculation test
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Revised Smith Workpaper 13

Line No.	Description	Forecast $	(over)/under Collection $	Total $
1	Amount in current docket	117,326,716	43,824,250	161,150,967
2	Amount in Sub 1002, prior year docket	127,612,570	56,365,940	183,978,510
3	Increase/(Decrease)	(10,285,854)	(12,541,690)	(22,827,543)
4	2% of 2012 NC revenue of 4,557,487,757			91,149,755
	Excess of purchased power growth over 2% of Revenue			0

WP 6	PURC Total	9,070.28	68.31%	6,195,648
WP 6	Cogen Capacity	10,211.64	71.82%	7,333,693
WP 6	Renewables	34,567.18	68.31%	23,611,842
WP 6	Renewables Capacity	6,918.58	71.82%	4,968,719
WP 6	Other Purchase Info not in model	6,923.83	68.31%	4,729,466
WP 6	Allocated Economic Purchase cost	103,191.82	68.31%	70,487,347
		170,883.34		117,326,716

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
2% calculation test
Test Period Ended December 31, 2012
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2012	Jan12	Feb12	Mar12	Apr12	May12	Jun12	Jul12	Aug12	Sep12	Oct12	Nov12	Dec12	12 ME
System KWH Sales - Sch 4	6,895,889,814	6,519,270,641	6,137,030,128	5,909,384,411	6,037,837,846	6,819,339,378	7,834,783,631	7,870,768,350	7,192,112,886	5,947,189,618	6,162,548,397	6,442,816,290	79,969,647,279
NC Retail KWH Sales - Sch 4	4,698,133,138	4,471,304,226	4,225,512,662	4,010,671,402	4,082,257,696	4,598,516,271	5,358,808,570	5,440,541,852	4,958,527,598	4,052,000,508	4,189,014,344	4,395,620,302	54,535,908,545
NC Retail % of Sales (Calc)	68.10%	68.59%	68.85%	67.87%	67.61%	67.88%	68.37%	69.12%	68.96%	68.13%	67.69%	68.23%	68.31%
Link to Sch 4	68.10%	68.59%	68.85%	67.87%	67.61%	67.88%	68.37%	69.12%	68.96%	68.13%	67.69%	68.23%	
	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
Fuel related component of purchased power (economic)													
System Actual $ - Sch 3 Fuel$	$ 8,255,726	$ 10,719,383	$ 9,191,068	$ 14,679,715	$ 10,695,899	$ 8,502,953	$ 17,512,487	$ 17,204,401	$ 18,824,767	$ 22,712,580	$ 20,811,541	$ 9,848,289	$ 168,956,819
System Actual $ - Sch 3 Fuel-relateds, Sch 2 pg 1	7,718,288	7,934,045	6,771,008	10,021,398	8,976,304	8,597,443	6,537,885	7,628,918	8,097,381	9,953,029	9,252,897	4,495,772	$ 93,984,368
Total System Economic $	15,974,014	18,653,428	15,962,075	24,701,113	19,672,203	16,100,396	24,050,372	24,833,319	24,922,148	32,665,618	30,064,438	14,342,061	$ 260,941,185
Less Native Load Transfers & Native Load Transfer Savings							11,339,314	10,419,741	10,174,249	23,773,408	17,766,838	6,189,237	$ 79,662,786
Total System Economic $ w/o Native Load Transfers	$ 15,974,014	$ 18,653,428	$ 15,962,075	$ 24,701,113	$ 19,672,203	$ 16,100,396	$ 12,711,058	$ 14,413,578	$ 14,747,900	$ 8,892,210	$ 12,297,600	$ 8,152,824	$ 181,278,399
NC Actual $ (Calc)	$ 10,878,694	$ 12,793,632	$ 10,990,324	$ 16,764,529	$ 13,301,063	$ 10,249,430	$ 8,690,818	$ 9,963,154	$ 10,169,857	$ 6,058,532	$ 8,319,427	$ 5,562,276	$ 123,741,737
Billed rate (c/kWh)	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1589	0.1984	0.1984	0.1984	0.1984	
Billed $	$ 7,462,156	$ 7,104,902	$ 6,714,340	$ 6,372,957	$ 6,486,707	$ 7,482,764	$ 8,511,966	$ 8,645,021	$ 9,839,703	$ 8,039,169	$ 8,271,324	$ 8,720,911	$ 93,631,020
Over (Under) $:	$ (3,416,538)	$ (5,688,730)	$ (4,275,984)	$ (10,391,572)	$ (6,814,356)	$ (2,766,668)	$ (178,852)	$ (1,318,133)	$ (330,134)	$ 1,980,637	$ (48,102)	$ 3,158,634	$ (30,109,797)
Fuel related component of purchased power (renewables)													
System Actual $ - Sch 2 pg 1	$ 4,133,469	$ 3,175,281	$ 3,640,448	$ 3,865,382	$ 3,712,275	$ 3,750,184	$ 3,194,089	$ 3,084,572	$ 3,571,248	$ 4,199,338	$ 3,487,354	$ 2,597,450	$ 42,581,088
Less: REPS correction	187,794	134,844	175,285	176,371	156,140	155,267	149,783	115,271	141,367	183,651	143,654	95,536	$ 1,783,973
System Actual $ - Sch 2 pg 1 ANNUAL VIEW	3,945,675	3,040,437	3,885,161	3,690,011	3,556,135	3,594,917	3,044,308	2,969,301	3,429,881	4,015,687	3,343,700	2,501,914	$ 40,797,125
NC Actual $ (Calc)	$ 2,687,101	$ 2,085,313	$ 2,523,563	$ 2,504,393	$ 2,404,427	$ 2,440,059	$ 2,081,456	$ 2,052,481	$ 2,365,173	$ 2,736,009	$ 2,252,040	$ 1,705,935	$ 27,848,950
Billed rate (c/kWh):	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0223	0.0335	0.0335	0.0335	0.0335	
Billed $	$ 1,047,238	$ 997,101	$ 942,289	$ 894,380	$ 910,343	$ 1,047,323	$ 1,194,569	$ 1,213,241	$ 1,861,442	$ 1,357,420	$ 1,396,620	$ 1,472,533	$ 14,134,487
Over (Under) $:	$ (1,639,863)	$ (1,088,212)	$ (1,581,274)	$ (1,610,013)	$ (1,494,084)	$ (1,392,735)	$ (886,888)	$ (839,241)	$ (703,731)	$ (1,378,589)	$ (865,421)	$ (234,402)	$ (13,714,453)
TOTAL Over (Under) $:													$ (43,824,250)

Revised Smith Workpaper

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
2% calculation test
Test Period Ended December 31, 2012
Docket E-7, Sub 1033

2011

	11-May	11-Jun	11-Jul	11-Aug	11-Sep	11-Oct	11-Nov	11-Dec
System KWH Sales - Sch 4	6,022,058,699	7,381,119,256	7,788,342,170	8,351,124,039	7,481,207,062	6,046,921,470	5,867,549,474	6,271,930,552
NC Retail KWH Sales - Sch 4	4,010,233,512	5,000,619,491	5,270,645,977	5,702,669,021	5,138,873,658	4,086,598,907	3,975,774,127	4,301,666,750
NC Retail % of Sales (Calc)	66.59%	67.75%	67.67%	68.29%	68.66%	67.58%	67.76%	68.59%
Link to Sch 4	66.59%	67.75%	67.67%	68.29%	68.66%	67.58%	67.76%	68.59%
	ok	ok	ok	ok	ok	ok	ok	ok
Fuel related component of purchased power (economic)								
System Actual $ - Sch 3 Fuel$	$ 9,532,161	$ 13,202,825	$ 12,295,664	$ 16,327,183	$ 9,144,775	$ 10,794,118	$ 12,343,970	$ 10,035,702
System Actual $ - Sch 3 Fuel-related$; Sch 2 pg 1	5,533,594	8,608,615	8,971,864	9,939,855	6,122,295	7,238,996	8,928,907	6,225,082
Total System Economic $	15,065,755	21,811,440	19,267,528	26,267,038	15,267,070	18,033,114	21,272,877	16,260,784
NC Actual $ (Calc)	$ 10,032,648	$ 14,776,988	$ 13,039,016	$ 17,936,774	$ 10,482,935	$ 12,187,045	$ 14,414,221	$ 11,152,623
Billed rate (¢/kWh):	0.1390	0.1390	0.1390	0.1390	0.1589	0.1589	0.1589	0.1589
Billed $:	$ 5,574,225	$ 6,950,861	$ 7,326,198	$ 7,926,710	$ 8,162,492	$ 6,493,606	$ 6,317,505	$ 6,835,348
Over (Under) $:	$ (4,458,423)	$ (7,826,127)	$ (5,712,818)	$ (10,010,064)	$ (2,320,443)	$ (5,693,439)	$ (8,096,716)	$ (4,317,274)
Fuel related component of purchased power (renewables)								
System Actual $ - Sch 2 pg 1	$ 725,888	$ 3,237,830	$ 2,736,721	$ 2,214,935	$ 2,371,920	$ 3,831,695	$ 3,764,341	$ 3,120,942
NC Actual $ (Calc)	$ 483,385	$ 2,193,591	$ 1,852,036	$ 1,512,496	$ 1,628,648	$ 2,589,516	$ 2,550,668	$ 2,140,530
Billed rate (¢/kWh):	0.0156	0.0156	0.0156	0.0156	0.0223	0.0223	0.0223	0.0223
Billed $:	$ 625,596	$ 780,097	$ 822,221	$ 889,616	$ 1,145,523	$ 911,312	$ 886,598	$ 959,272
Over (Under) $:	$ 142,212	$ (1,413,494)	$ (1,029,815)	$ (622,880)	$ (483,125)	$ (1,678,205)	$ (1,664,070)	$ (1,181,258)
TOTAL Over (Under) $:								

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 14

Test Period Ended December 31, 2012
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Line No.	Year	Reference	MWH Net Output	MWH Line Loss/ Company Use	Average Line Loss/ Co. Use %
1	2008	Prior fuel filing	**90,943,002**	**5,234,947**	
2	2009	Prior fuel filing	**84,321,352**	**5,181,728**	
3	2010	Prior fuel filing	**90,359,224**	**5,683,489**	
4	2011	Prior fuel filing	**87,535,397**	**4,792,382**	
5	2012	Exhibit 6	**86,224,791**	**5,214,250**	
6	5 Years	Sum L1:L5	439,383,766	26,106,795	5.94%
7	Line Loss/Co. Use Factor		((1/(1-L6))		1.0632

Subject: Median Hydro Generation 1982 - 2012

The table below summarizes the updated 31 year median hydro generation for the historical calendar year period 1982 - 2012.

Duke Energy

MEDIAN CONVENTIONAL HYDRO GENERATION (MWH)
(Pumped Storage Hydro plants are not included)
31 YEARS 1982 - 2012

	Median Year	System Total	R-O-R	Storage	Nantahala
January	1994	222,000	10,500	173,400	38,100
February	2004	170,700	10,800	122,000	37,900
March	1982	220,000	10,600	163,800	45,600
April	1996	154,600	13,000	114,900	26,700
May	2005	128,200	8,400	84,400	35,400
June	1987	124,700	4,900	81,700	38,000
July	1998	96,900	6,000	69,000	22,000
August	1993	109,200	5,000	77,300	26,900
September	1983	106,800	4,700	64,500	37,700
October	1984	98,700	4,800	66,900	27,000
November	1984	103,000	5,100	68,100	29,800
December	1995	169,700	9,600	104,200	55,800
TOTALS		1,704,500	93,400	1,190,200	420,900

Note: The Run-of-River (R-O-R), Storage, and Nantahala Medians do not necessarily correspond to the year of the System Median.

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012
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Line No.	Year	Reference to NC Fuel Filing	Jocassee Pumped Storage Output	Jocassee Pumping Input	Bad Creek Pumped Storage Output	Bad Creek Pumping Input	System Total Net
1	2008	Sch 10, p. 6 of 6	1,083,815	1,387,130	2,554,294	3,210,183	(959,204)
2	2009	Sch 10, p. 6 of 6	926,568	1,148,967	1,917,824	2,417,800	(722,375)
3	2010	Sch 10, p. 6 of 6	925,837	1,077,790	2,041,348	2,578,364	(688,969)
4	2011	Sch 10, p. 6 of 7	917,215	1,042,175	1,997,078	2,532,517	(660,399)
5	2012	Sch 10, p. 6 of 7	928,617	1,103,984	1,752,364	2,218,596	(641,599)
6	Average		956,410	1,152,009	2,052,582	2,591,492	(734,509)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012
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Line No.	Year	Reference	Actual Generation from CTs		
			Oil MWH	Gas CT MWH	Total MWH
1	2010	Schedule 5	(9,500)	612,241	602,741
2	2011	Schedule 5	40,811	700,504	741,315
3	2012	Schedule 5	6,865	916,328	923,193
4	Total	Sum L1:L3	38,176	2,229,073	2,267,249
5	Average	Calc	**12,725**	**743,024**	**755,750**

DUKE ENERGY CAROLINAS

Smith Workpaper 18

North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012

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	January	February	March	April	May	June	Total
	1	2	3	4	5	6	
Fuel Savings - Gross for current month							
DEC Fuel Savings - Gross							
. Coal Blending	$ 1,383,822	$ 1,531,341	$ 1,223,878	$ 1,445,766	$ 1,362,588	$ 1,910,429	8,857,824
. Coal Commodity	159,879	171,243	127,638	86,616	85,702	20,858	651,936
. Coal Transportation	-	-	-	-	-	-	-
. Natural Gas / Oil	-	-	-	-	-	-	-
. Reagents	14,213	7,899	12,582	4,023	36,103	66,374	141,194
. Avoided Gas Desk O&M Cost	-	-	-	-	-	-	-
subtotal - DEC fuel savings	1,557,914	1,710,483	1,364,098	1,536,405	1,484,393	1,997,661	9,650,954
PEC Fuel Savings - Gross for current month							
. Coal Blending	-	-	-	-	-	-	-
. Coal Commodity	-	-	-	70,567	112,326	296,607	479,500
. Coal Transportation	-	-	-	75,137	106,683	124,184	306,004
. Natural Gas / Oil	-	-	-	-	-	-	-
. Reagents	35,182	35,046	70,300	60,565	38,762	46,962	286,817
. Avoided Gas Desk O&M Cost	-	-	-	-	-	-	-
subtotal - PEC fuel savings	35,182	35,046	70,300	206,269	257,771	467,753	1,072,321
Total - Fuel Saving -Gross	**1,593,096**	**1,745,529**	**1,434,398**	**1,742,674**	**1,742,164**	**2,465,414**	**10,723,275**
DEC sharing ratio July - Dec	0.58777968	0.58777968	0.58777968	0.58777968	0.58777968	0.58777968	
PEC sharing ratio July - Dec	0.41222032	0.41222032	0.41222032	0.41222032	0.41222032	0.41222032	
Total DEC share	**936,389**	**1,025,986**	**843,110**	**1,024,308**	**1,024,009**	**1,449,120**	**6,302,923**
Total PEC share	**656,707**	**719,543**	**591,288**	**718,366**	**718,155**	**1,016,294**	**4,420,352**
DEC gross	1,557,914	1,710,483	1,364,098	1,536,405	1,484,393	1,997,661	9,650,954
DEC net share	936,389	1,025,986	843,110	1,024,308	1,024,009	1,449,120	6,302,923
Amount to be shared with PEC	(621,525)	(684,497)	(520,988)	(512,097)	(460,384)	(548,541)	(3,348,031)
	68.10%	68.59%	68.85%	67.87%	67.61%	67.88%	
	(423,273)	(469,468)	(358,714)	(347,558)	(311,282)	(372,323)	(2,282,619)
PEC gross	35,182	35,046	70,300	206,269	257,771	467,753	1,072,321
PEC net share	656,707	719,543	591,288	718,366	718,155	1,016,294	4,420,352
Amount to be received from DEC	621,525	684,497	520,988	512,097	460,384	548,541	3,348,031

	Adjusted test period sales MWhs	Adjusted test period sales as a % of total MWh sales	Amount to be shared with PEC allocated as a % of total MWh sales
Residential	21,143,695	38.07%	(868,993)
General	22,112,646	39.82%	(908,939)
Industrial	12,278,269	22.11%	(504,687)
	55,534,611	100.00%	(2,282,619)

DUKE ENERGY CAROLINAS

Smith Workpaper 18

North Carolina Annual Fuel and Fuel Related Expense

Test Period Ended December 31, 2012

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	January	February	March	April	May	June	Total
	1	2	3	4	5	6	
Fuel Savings - Gross for current month							
DEC Fuel Savings - Gross							
. Coal Blending	$ 1,383,822	$ 1,531,341	$ 1,223,878	$ 1,445,766	$ 1,362,588	$ 1,910,429	8,857,824
. Coal Commodity	159,879	171,243	127,638	86,616	85,702	20,858	651,936
. Coal Transportation	-	-	-	-	-	-	-
. Natural Gas / Oil	-	-	-	-	-	-	-
. Reagents	14,213	7,899	12,582	4,023	36,103	66,374	141,194
. Avoided Gas Desk O&M Cost	-	-	-	-	-	-	-
subtotal - DEC fuel savings	1,557,914	1,710,483	1,364,098	1,536,405	1,484,393	1,997,661	9,650,954
PEC Fuel Savings - Gross for current month							
. Coal Blending	-	-	-	-	-	-	-
. Coal Commodity	-	-	-	70,567	112,326	296,607	479,500
. Coal Transportation	-	-	-	75,137	106,683	124,184	306,004
. Natural Gas / Oil	-	-	-	-	-	-	-
. Reagents	35,182	35,046	70,300	60,565	38,762	46,962	286,817
. Avoided Gas Desk O&M Cost	-	-	-	-	-	-	-
subtotal - PEC fuel savings	35,182	35,046	70,300	206,269	257,771	467,753	1,072,321
Total - Fuel Saving -Gross	**1,593,096**	**1,745,529**	**1,434,398**	**1,742,674**	**1,742,164**	**2,465,414**	**10,723,275**
DEC sharing ratio July - Dec	0.58777968	0.58777968	0.58777968	0.58777968	0.58777968	0.58777968	
PEC sharing ratio July - Dec	0.41222032	0.41222032	0.41222032	0.41222032	0.41222032	0.41222032	
Total DEC share	**936,389**	**1,025,986**	**843,110**	**1,024,308**	**1,024,009**	**1,449,120**	**6,302,923**
Total PEC share	**656,707**	**719,543**	**591,288**	**718,366**	**718,155**	**1,016,294**	**4,420,352**
DEC gross	1,557,914	1,710,483	1,364,098	1,536,405	1,484,393	1,997,661	9,650,954
DEC net share	936,389	1,025,986	843,110	1,024,308	1,024,009	1,449,120	6,302,923
Amount to be shared with PEC	(621,525)	(684,497)	(520,988)	(512,097)	(460,384)	(548,541)	(3,348,031)
	68.10%	68.59%	68.85%	67.87%	67.61%	67.88%	
	(423,273)	(469,468)	(358,714)	(347,558)	(311,282)	(372,323)	(2,282,619)
PEC gross	35,182	35,046	70,300	206,269	257,771	467,753	1,072,321
PEC net share	656,707	719,543	591,288	718,366	718,155	1,016,294	4,420,352
Amount to be received from DEC	621,525	684,497	520,988	512,097	460,384	548,541	3,348,031

	Adjusted test period sales MWhs	Adjusted test period sales as a % of total MWh sales	Amount to be shared with PEC allocated as a % of total MWh sales
Residential	21,143,695	38.07%	(868,993)
General	22,112,646	39.82%	(908,939)
Industrial	12,278,269	22.11%	(504,687)
	55,534,611	100.00%	(2,282,619)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 19

Test Period Ended December 31, 2012
Docket E-7, Sub 1033
MWhs

Line #	Description	Reference	NORTH CAROLINA	SOUTH CAROLINA	Retail TOTAL COMPANY	% NC	% SC
1	RESIDENTIAL	RAC001	20,121,712	6,157,414	26,279,126	76.57	23.43
2	Total General Service	RAC001	22,116,267	5,649,488	27,765,755		
3	less Lighting and Traffic Signals		739,161	227,740	966,901		
4	General Service subject to weather		21,377,106	5,421,748	26,798,854	79.77	20.23
	INDUSTRIAL						
5	Textile	RAC001	2,794,192	1,125,375	3,919,567	71.29	28.71
6	Other Industrial	RAC001	9,523,736	7,534,250	17,057,986	55.83	44.17
7	Total Industrial		12,317,928	8,659,625	20,977,553	58.72	41.28
8	Total Retail Sales	1+2+7	54,555,907	20,466,527	75,022,434		
9	Total Retail Sales subject to weather	1+4+7	53,816,746	20,238,787	74,055,533	72.67	27.33

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment
Docket E-7, Sub 1033

Line #	Description	REFERENCE MWH	REFERENCE %	Total Company MWH	NC RETAIL % To Total	NC RETAIL MWH	SC RETAIL % To Total	SC RETAIL MWH
	Residential							
1	Total Residential			1,274,546	76.57	975,920	23.43	298,626
	General Service							
2	Total General Service			90,927	79.77	72,533	20.23	18,395
	Industrial							
3	Textile			(10,161)	71.29	(7,243)	28.71	(2,917)
4	Other			(26,777)	55.83	(14,950)	44.17	(11,827)
5	Total Industrial			(36,937)	58.72	(22,193)	41.28	(14,744)
6	Total Retail	L1:L2 + L5		1,328,536		1,026,260		302,277
7	Wholesale			127,409				
8	Total Company	L6 + L7		1,455,945		1,026,260		302,277

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment
Docket E-7, Sub 1033

2012	TOTAL MWH ADJUSTMENT
JAN	228,976
FEB	299,365
MAR	263,635
APR	297,306
MAY	(49,081)
JUN	65,830
JUL	(160,338)
AUG	(22,169)
SEP	186,835
OCT	101,001
NOV	(63,599)
DEC	126,785
ANN. SUM	1,274,546

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment- General
Docket E-7, Sub 1033

2012	Non-TOD Non-Electric Heat	Non-TOD Electric Heat	TOD Non-Electric Hat	TOD Electric Heat	TOTAL MWH ADJUSTMENT
JAN	14,370	3,802	(7,783)	2,631	**13,020**
FEB	18,782	4,981	(10,278)	3,607	**17,092**
MAR	14,573	2,862	(13,413)	2,909	**6,931**
APR	15,423	2,354	(17,622)	3,124	**3,279**
MAY	(7,478)	(4,562)	(9,543)	(1,303)	**(22,886)**
JUN	6,392	3,026	3,558	1,151	**14,127**
JUL	(19,581)	(10,737)	(18,778)	(3,454)	**(52,550)**
AUG	(2,699)	(1,496)	(2,575)	(478)	**(7,247)**
SEP	22,897	12,648	22,001	4,109	**61,655**
OCT	13,962	8,171	15,710	2,421	**40,265**
NOV	(1,130)	1,326	9,193	(318)	**9,071**
DEC	8,064	2,249	(3,677)	1,536	**8,171**
ANN. SUM	83,575	24,625	(33,209)	15,936	**90,927**

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment- Industrial
Docket E-7, Sub 1033

2012	TEXTILES	OTHER INDUSTRIAL	TOTAL MWH ADJUSTMENT
JAN	(1,568)	(4,183)	(5,751)
FEB	(3,132)	(8,360)	(11,492)
MAR	(5,402)	(14,755)	(20,157)
APR	(4,067)	(11,073)	(15,140)
MAY	(3,529)	(9,952)	(13,481)
JUN	4,542	12,862	17,403
JUL	(10,500)	(29,717)	(40,217)
AUG	3,315	9,381	12,696
SEP	5,750	16,285	22,035
OCT	5,126	14,385	19,511
NOV	2,483	6,834	9,317
DEC	(3,179)	(8,484)	(11,664)
ANN. SUM	(10,161)	(26,777)	(36,937)

DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense
Test Period Ended December 31, 2012
Weather Normalization Adjustment- Wholesale
Docket E-7, Sub 1033

2012	TOTAL MWH ADJUSTMENT
JAN	31,280
FEB	23,892
MAR	43,059
APR	12,244
MAY	(6,383)
JUN	2,534
JUL	(16,366)
AUG	9,029
SEP	16,022
OCT	2,590
NOV	(19,217)
DEC	28,725
ANN. SUM	127,409

Note: The Resale customers include:

1 Concord
2 Dallas
3 Forest City
4 Kings Mountain
5 Due West
6 Prosperity
7 Lockhart
8 Western Carolina University
9 City of Highlands
10 Haywood
11 Piedmont
12 Rutherford
13 Blue Ridge
14 Greenwood

DUKE ENERGY CAROLINAS
Customer Growth Adjustment to KWH Sales
Twelve Months Ended December 31, 2012

Smith Workpaper 21
Page 1

Rate Schedule	Reference	NC Proposed KWH [1] Adjustment	SC Proposed KWH Adjustment	Wholesale Proposed KWH Adjustment
NC Residential	ND-310/1	46,063,236	15,983,294	
NC General:				
General Service Small and Large	ND-330	(78,013,556)	(13,358,995)	
T2 Flood Lighting/Outdoor Lighting	ND-310/2	(1,406,241)	1,740,247	
Miscellaneous	ND-310/3	318,397	243,176	
Total General		(79,101,400)	(11,375,572)	
NC Public Street Lighting:				
T	ND-310/4	3,070,775	161,167	
TS	ND-310/5	(122,998)	59,808	
Total Street Lighting		2,947,777	220,975	
NC Industrial:				
I - Textile	ND-330	(946,436)	(1,007,571)	
I - Nontextile	ND-330	(16,519,327)	(1,668,123)	
Total Industrial		(17,465,764)	(2,675,694)	
Total		(47,556,150)	2,153,003	14,471,452

[1] Using the regression method (Residential, Lighting, Misc classes) and a customer by customer method for General Service and Industrial

DUKE ENERGY CAROLINAS
Calculation of Customer Growth Adjustment to KWH Sales - Wholesale
Twelve Months Ended December 31, 2012

Line No.		Reference	
1	Total System Resale (kWh Sales)	RAC001	6,130,366,441
2	Less Intersystem Sales	Schedule 1	1,141,573
3	KWH Sales Excluding Intersystem Sales	L1 - L2	6,129,224,868
4	Total Residential Growth Factor	Line 8	0.2361
5	Adjustment to KWH's - Wholesale	L3 * L4 / 100	14,471,452
6	Total System Retail Residential kWh Sales	RAC001	26,279,126,866
7	2012 Proposed Adjustment KWH - Residential (NC+SC)	ND310	62,046,530
8	Percent Adjustment	L7 / L6 * 100	0.2361

"RAC001": CarolinasOperating Revenue Report

DUKE ENERGY CAROLINAS
Customer Growth Adjustment to KWH Sales
Twelve Months Ended December 31, 2012
Customer by Customer Approach

NC	Rate Schedule	No. of Bills New Accounts	Test Yr Consumption New Accounts	(a) Unrealized Sales from New Accounts (kWh)	No. of Bills Closed Accounts	(b) Lost Sales from Closed Accounts	Net Adjustment to Growth (a minus b)
NC							
NC	GENL NTEX	32,375	64,207,556	68,652,550	77,333	146,666,106	(78,013,556)
NC	INDL NTEX	163	8,947,590	8,847,597	830	25,366,924	(16,519,327)
NC	INDL TEX	21	393,154	188,410	68	1,134,846	(946,436)
NC	Total	32,559	73,548,300	77,688,557	78,231	173,167,876	(95,479,319)

SC	Rate Schedule	No. of Bills New Accounts	Test Yr Consumption New Accounts	(a) Unrealized Sales from New Accounts (kWh)	No. of Bills Closed Accounts	(b) Lost Sales from Closed Accounts	Net Adjustment to Growth (a minus b)
SC							
SC	GENL NTEX	9,531	19,863,363	20,275,925	21,277	33,634,920	(13,358,995)
SC	INDL NTEX	66	4,486,152	3,323,226	245	4,991,349	(1,668,123)
SC	INDL TEX				19	1,007,571	(1,007,571)
SC	Total	9,597	24,349,515	23,599,151	21,541	39,633,840	(16,034,689)

(a): Estimated from individual accounts and bills
(b): Calculated from individual accounts and bills

The method uses the estimated lost sales from closed accounts, offset by the unrealized sales from newly established accounts with less than the full complement of bills (normally 12) issued during the year.The method was first approved for use in Docket E-7 Sub 909; see Bailey Direct Testimony pages 5,6 for a more detailed explanation and rationale

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh

Twelve Months Ended Dec 31 2012

North Carolina Retail

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [3]	Number of Customers: Increase (Decrease)	KWH Consumption [2]	Average Per Customer	Increase (Decrease) in KWh
January	1,592,490	1,600,367	7,877	2,052,553,641	1,289	10,153,453
February	1,592,911	1,600,367	7,456	1,785,443,480	1,121	8,358,176
March	1,594,367	1,600,367	6,000	1,576,390,855	989	5,934,000
April	1,594,956	1,600,367	5,411	1,252,704,582	785	4,247,635
May	1,595,500	1,600,367	4,867	1,320,093,240	827	4,025,009
June	1,596,272	1,600,367	4,095	1,638,140,493	1,026	4,201,470
July	1,597,773	1,600,367	2,594	2,159,210,131	1,351	3,504,494
August	1,598,508	1,600,367	1,859	2,137,529,484	1,337	2,485,483
September	1,598,686	1,600,367	1,681	1,773,807,828	1,110	1,865,910
October	1,598,501	1,600,367	1,866	1,271,002,314	795	1,483,470
November	1,600,025	1,600,367	342	1,428,842,682	893	305,406
December	1,600,832	1,600,367	(465)	1,725,993,659	1,078	(501,270)
Total	19,160,821		43,583	20,121,712,389		46,063,236

[1] Carolinas ORR Jan-Dec 2012

[2] Carolinas ORR Jan-Dec 2012

[3] Using Polynomial Cubic 24 Month Regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh
Twelve Months Ended Dec 31 2012
North Carolina Retail

Smith Workpaper 21

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GENERAL T2 (Outdoor Lighting)
Schedules 25,34,35,36,26,37,38,39,94,95,96
(includes NPL yard and flood lighting)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	277,900	275,362	(2,538)	41,309,482	149	(378,162)
February	275,512	275,362	(150)	40,861,612	148	(22,200)
March	277,314	275,362	(1,952)	40,992,971	148	(288,896)
April	275,085	275,362	277	40,783,584	148	40,996
May	276,142	275,362	(780)	40,967,603	148	(115,440)
June	273,080	275,362	2,282	40,557,043	149	340,018
July	278,769	275,362	(3,407)	41,419,562	149	(507,643)
August	273,210	275,362	2,152	40,638,593	149	320,648
September	279,011	275,362	(3,649)	41,123,566	147	(536,403)
October	278,480	275,362	(3,118)	41,095,891	148	(461,464)
November	275,623	275,362	(261)	40,859,325	148	(38,628)
December	273,745	275,362	1,617	40,705,161	149	240,933
Total	3,313,871		(9,527)	491,314,393		(1,406,241)

[1] Per Book by Rate Schedule Page 8 attached
[2] Using polynomial quartic 48 month regression
Note: NPL unmetered signs included with Public Lighting

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh
Twelve Months Ended December 31 2012
North Carolina Retail

Smith Workpaper 21
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GENERAL-MISC.
Schedules 49 (BC)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	4,260	4,686	426	948,459	223	94,998
February	4,172	4,686	514	973,584	233	119,762
March	4,388	4,686	298	797,557	182	54,236
April	4,453	4,686	233	616,592	138	32,154
May	4,560	4,686	126	571,850	125	15,750
June	4,596	4,686	90	662,903	144	12,960
July	4,643	4,686	43	751,216	162	6,966
August	4,646	4,686	40	727,609	157	6,280
September	4,744	4,686	(58)	651,894	137	(7,946)
October	4,811	4,686	(125)	523,308	109	(13,625)
November	4,701	4,686	(15)	779,946	166	(2,490)
December	4,690	4,686	(4)	758,274	162	(648)
Total	54,664		1,568	8,763,192		318,397

[1] Per Book by Rate Schedule Page 4 attached
[2] Using polynomial cubic 12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh

Twelve Months Ended December 31 2012

North Carolina Retail

Smith Workpaper 21

Page 7

GENERAL T (Public and Govt Lighting)

Schedule 72,73,74,75

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) In KWh
January	5,279	5,376	97	19,626,814	3,718	360,646
February	5,244	5,376	132	19,651,634	3,747	494,604
March	5,240	5,376	136	19,637,349	3,748	509,728
April	5,209	5,376	167	19,624,399	3,767	629,089
May	5,359	5,376	17	19,705,973	3,677	62,509
June	5,249	5,376	127	19,701,720	3,753	476,631
July	5,435	5,376	(59)	19,735,428	3,631	(214,229)
August	5,268	5,376	108	19,716,875	3,743	404,244
September	5,371	5,376	5	19,744,417	3,676	18,380
October	5,371	5,376	5	19,766,935	3,680	18,400
November	5,333	5,376	43	19,768,573	3,707	159,401
December	5,335	5,376	41	19,695,607	3,692	151,372
Total	63,693		819	236,375,724		3,070,775

[1] Per Book by Rate Schedule Page 1. New Schedule GL (73,74,75) included beginning 2010

[2] Using polynomial Cubic 48 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to kWh

Twelve Months Ended December 31 2012

North Carolina Retail

Smith Workpaper 21

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GENERAL TS

Schedule 83

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	5,734	5,616	(118)	1,052,360	184	(21,712)
February	5,709	5,616	(93)	944,416	165	(15,345)
March	5,723	5,616	(107)	955,003	167	(17,869)
April	5,706	5,616	(90)	961,785	169	(15,210)
May	5,730	5,616	(114)	901,657	157	(17,898)
June	5,640	5,616	(24)	961,118	170	(4,080)
July	5,713	5,616	(97)	939,207	164	(15,908)
August	5,640	5,616	(24)	940,936	167	(4,008)
September	5,622	5,616	(6)	954,809	170	(1,020)
October	5,704	5,616	(88)	925,723	162	(14,256)
November	5,630	5,616	(14)	954,425	170	(2,380)
December	5,578	5,616	38	979,742	176	6,688
Total	68,129		(737)	11,471,181		(122,998)

1 Per Book by Rate Schedule Page 2

[2] Using linear 12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs

Twelve Months Ended December 31, 2012

South Carolina Retail

Smith Workpaper 21

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RESIDENTIAL

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [3]	Number of Customers: Increase (Decrease)	KWH Consumption [2]	Average Per Customer	Increase (Decrease) in KWh
January	454,717	457,241	2,524	620,513,075	1,365	3,445,260
February	455,053	457,241	2,188	536,456,051	1,179	2,579,652
March	455,546	457,241	1,695	459,027,591	1,008	1,708,560
April	455,401	457,241	1,840	385,882,606	847	1,558,480
May	455,894	457,241	1,347	411,595,345	903	1,216,341
June	455,935	457,241	1,306	522,268,634	1,145	1,495,370
July	456,614	457,241	627	683,840,454	1,498	939,246
August	456,332	457,241	909	667,940,089	1,464	1,330,776
September	456,282	457,241	959	550,767,430	1,207	1,157,513
October	456,339	457,241	902	387,130,969	848	764,896
November	457,165	457,241	76	419,192,832	917	69,692
December	457,493	457,241	(252)	512,799,401	1,121	(282,492)
Total	5,472,771		14,121	6,157,414,477		15,983,294

[1] Carolinas Operating Revenue Report Summary

[2] Carolinas Operating Revenue Report Summary

[3] Using Polynomial Quartic 36 Month Regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs

Twelve Months Ended December 31, 2012

South Carolina Retail

Smith Workpaper 21

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GENERAL T2 (Outdoor Lighting)

Schedules 25,32,34,35,36,26,37,38,39,95,96

(includes Greenwood SL)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh	kWh for T2	kwh for SL [2]
January	116,812	118,125	1,313	15,109,623	129	169,377	15,080,081	29,542
February	116,938	118,125	1,187	15,569,705	133	157,871	15,540,361	29,344
March	116,899	118,125	1,226	15,483,642	132	161,832	15,454,220	29,422
April	116,998	118,125	1,127	15,524,512	133	149,891	15,495,091	29,421
May	116,415	118,125	1,710	15,445,763	133	227,430	15,416,161	29,602
June	117,329	118,125	796	15,592,593	133	105,868	15,563,095	29,498
July	116,935	118,125	1,190	15,585,239	133	158,270	15,555,939	29,300
August	116,924	118,125	1,201	15,520,010	133	159,733	15,490,550	29,460
September	116,924	118,125	1,201	15,363,152	131	157,331	15,333,808	29,344
October	116,777	118,125	1,348	15,455,773	132	177,936	15,426,465	29,308
November	117,178	118,125	947	15,524,575	132	125,004	15,495,412	29,163
December	118,203	118,125	(78)	15,575,221	132	(10,296)	15,546,131	29,090
Total	1,404,332		13,168	185,749,808		1,740,247	185,397,314	352,494

[1] Per Book by Rate Schedule Pages 14 (Misc T2-Greenwood) and Page 18 attached

[2] Using Polynomial Quartic 12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs
Twelve Months Ended December 31, 2012
South Carolina Retail

Smith Workpaper 21
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GENERAL-MISC.
Schedules 33, 49 (BC and EH)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	1,274	1,603	329	296,634	233	76,657
February	1,299	1,603	304	231,714	178	54,112
March	1,354	1,603	249	287,103	212	52,788
April	1,379	1,603	224	49,503	36	8,064
May	1,446	1,603	157	141,602	98	15,386
June	1,478	1,603	125	161,419	109	13,625
July	1,533	1,603	70	222,592	145	10,150
August	1,554	1,603	49	230,274	148	7,252
September	1,583	1,603	20	198,121	125	2,500
October	1,584	1,603	19	164,311	104	1,978
November	1,596	1,603	7	187,125	117	819
December	1,604	1,603	(1)	246,086	153	(153)
Total	17,684		1,552	2,416,484		243,176

[1] Per Book by Rate Schedule Page 12
[2] Using polynomial quartic12 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs

Twelve Months Ended December 31, 2012

South Carolina Retail

Smith Workpaper 21

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GENERAL T

Schedule 72,73,74,75

(Government, Public Lighting)

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	1,902	1,934	32	3,192,396	1,678	53,696
February	1,899	1,934	35	3,302,937	1,739	60,865
March	1,913	1,934	21	3,300,055	1,725	36,225
April	1,916	1,934	18	3,304,942	1,725	31,050
May	1,913	1,934	21	3,307,589	1,729	36,309
June	1,938	1,934	(4)	3,316,560	1,711	(6,844)
July	1,928	1,934	6	3,337,956	1,731	10,386
August	1,937	1,934	(3)	3,334,991	1,722	(5,166)
September	1,968	1,934	(34)	3,307,362	1,681	(57,154)
October	1,923	1,934	11	3,288,857	1,710	18,810
November	1,929	1,934	5	3,328,017	1,725	8,625
December	1,949	1,934	(15)	3,331,323	1,709	(25,635)
Total	23,115		93	39,652,985		161,167

[1] Per Book by Rate Schedule Page 9

[2] Using polynomial Quartic 24 month regression

DUKE ENERGY CAROLINAS

Calculation of Customer Growth Adjustment to KWHs

Twelve Months Ended December 31, 2012

South Carolina Retail

Smith Workpaper 21

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GENERAL TS

Schedule 83

Month	Number of Customers: Actual # of Customers [1]	Number of Customers: Projected [2]	Number of Customers: Increase (Decrease)	KWH Consumption [1]	Average Per Customer	Increase (Decrease) in KWh
January	1,419	1,467	48	208,290	147	7,056
February	1,423	1,467	44	183,106	129	5,676
March	1,424	1,467	43	187,414	132	5,676
April	1,421	1,467	46	193,663	136	6,256
May	1,417	1,467	50	183,141	129	6,450
June	1,423	1,467	44	197,006	138	6,072
July	1,427	1,467	40	195,487	137	5,480
August	1,441	1,467	26	194,881	135	3,510
September	1,430	1,467	37	196,669	138	5,106
October	1,428	1,467	39	190,810	134	5,226
November	1,439	1,467	28	198,663	138	3,864
December	1,471	1,467	(4)	207,613	141	(564)
Total	17,163		441	2,336,743		59,808

1 Per Book by Rate Schedule Page 10

2 Using Polynomial Quartic 12 month regression

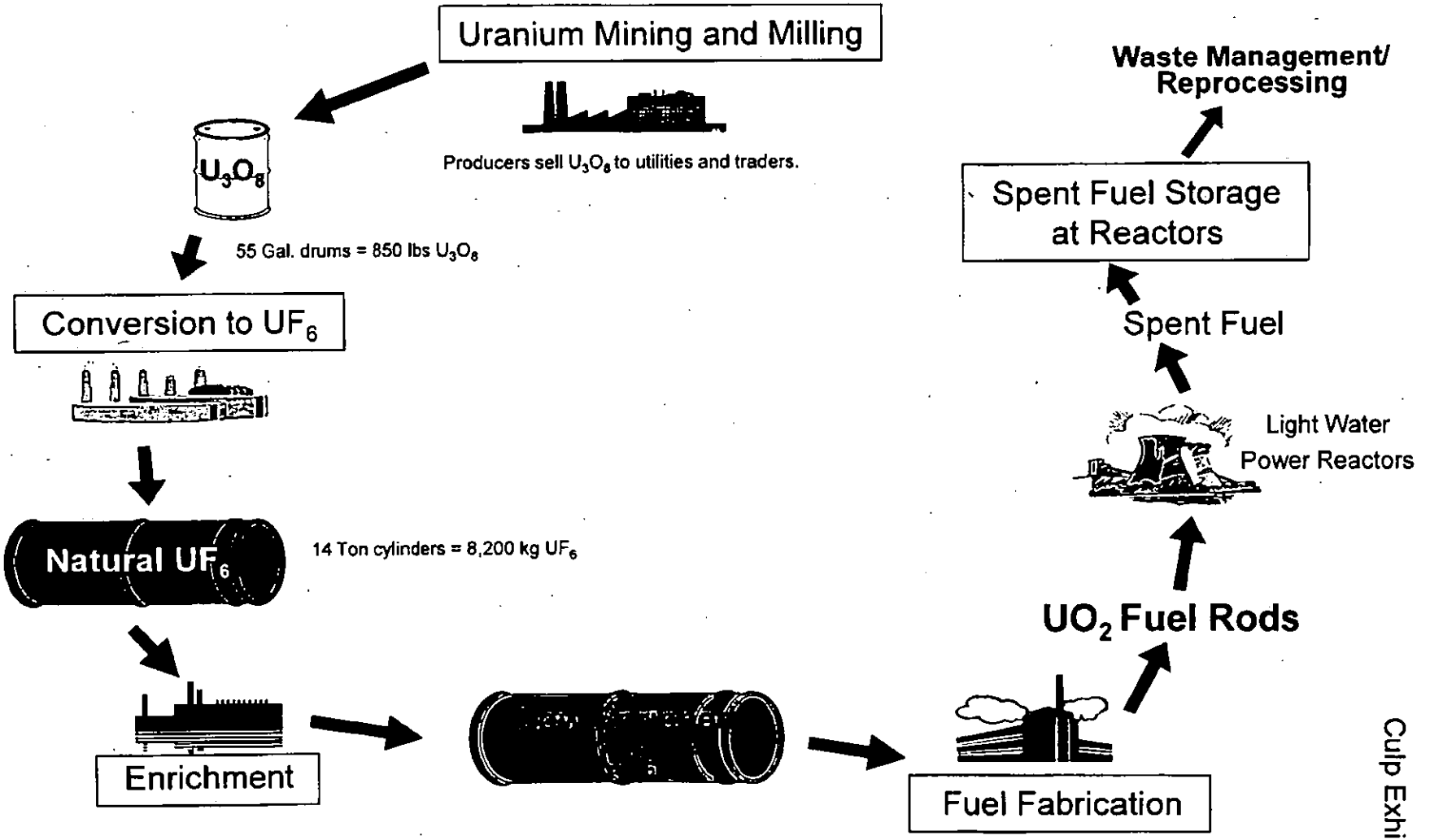
DUKE ENERGY CAROLINAS
North Carolina Annual Fuel and Fuel Related Expense

Smith Workpaper 22

Test Period Ended December 31, 2012
Docket E-7, Sub 1033

Year 2012	AC- Energy	AC- Capacity	North Carolina AC- Energy	North Carolina AC- Capacity	NC Retail MWH Sales	Total sales from fuel report less intersystem	% of NC to total sales from fuel report	Plant allocator NC	Plant allocator Resid	General	Industrial
January	$ (236,971)	$ (38,781)	(161,383)	(26,411)	4,696,133	6,895,691	68.10%	0.00%	46.04%	37.53%	16.43%
February	$ (168,871)	$ (27,734)	(115,822)	(19,022)	4,471,304	6,519,271	68.59%	0.00%	46.04%	37.53%	16.43%
March	$ (218,661)	$ (35,918)	(150,554)	(24,731)	4,225,513	6,137,030	68.85%	0.00%	46.04%	37.53%	16.43%
April	$ (220,235)	$ (38,158)	(149,473)	(25,898)	4,010,671	5,909,384	67.87%	0.00%	46.04%	37.53%	16.43%
May(1)	$ (198,242)	$ (32,688)	(134,038)	(22,101)	4,082,258	6,037,638	67.61%	0.00%	46.04%	37.53%	16.43%
June	$ (196,371)	$ (32,383)	(133,287)	(21,980)	4,696,516	6,919,337	67.88%	0.00%	46.04%	37.53%	16.43%
July	$ (150,373)	$ (24,834)	(102,813)	(16,980)	5,356,807	7,834,783	68.37%	0.00%	46.04%	37.53%	16.43%
August	$ (144,778)	$ (21,982)	(100,076)	(15,195)	5,440,542	7,870,768	69.12%	0.00%	46.04%	37.53%	16.43%
September	$ (173,415)	$ (28,550)	(119,583)	(21,784)	4,959,528	7,192,113	68.96%	76.30%	43.28%	38.06%	18.66%
October	$ (227,572)	$ (37,482)	(155,052)	(28,599)	4,052,001	5,947,190	68.13%	76.30%	43.28%	38.06%	18.66%
November	$ (179,071)	$ (29,504)	(121,143)	(22,511)	4,169,014	6,162,548	67.65%	76.30%	43.28%	38.06%	18.66%
December	$ (118,150)	$ (19,565)	(80,608)	(14,928)	4,395,620	6,442,815	68.23%	76.30%	43.28%	38.06%	18.66%
Total	$ (2,232,710)	$ (367,579)	(1,523,832)	(260,138)	54,555,907	79,868,568	68.31%				

The Nuclear Fuel Cycle



Culp Exhibit 1

I/A

Duke Energy Carolinas, LLC Nuclear Fuel Procurement Practices

The Company's nuclear fuel procurement practices are summarized below.

- The Company computes near and long-term consumption forecasts based on factors such as: nuclear system operational projections given fleet outage/maintenance schedules, adequate fuel cycle design margins to key safety licensing limitations, and economic tradeoffs between required volumes of uranium and enrichment necessary to produce the required volume of enriched uranium.
- The Company determines and designs nuclear system inventory targets to provide: reliability, insulation from short-term market volatility, and sensitivity to evolving market conditions. The Company monitors inventories on an ongoing basis.
- On an ongoing basis, the Company compares existing purchase commitments with consumption and inventory requirements to ascertain additional needs.
- The Company invites qualified suppliers to make proposals to satisfy additional or future contract needs.
- The Company awards contracts based on the most attractive evaluated offer, considering factors such as price, reliability, flexibility and supply source diversification/portfolio security of supply.
- For uranium concentrates, conversion and enrichment services, the Company relies upon long term supply contracts to fulfill the largest portion of forward requirements. By staggering long term contracts over time, the Company's purchases within a given year consist of a blend of contract prices negotiated at many different periods in the markets, which has the effect of smoothing out the Company's exposure to price volatility. Due to the technical complexities of changing suppliers, the Company generally sources fabrication services to a single domestic supplier on a plant-by-plant basis using multi-year contracts.
- The Company evaluates spot market opportunities from time to time to supplement long term contract supplies as appropriate based on comparison to other supply options.
- The Company monitors delivered volumes of nuclear fuel products and services against contract commitments. The Company confirms the quality and volume of deliveries with the delivery facility to which it has instructed delivery. Payments for such delivered volumes are made after Duke Energy Carolinas' receipt of such delivery facility confirmations.