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AUG 09 2013

Clerk's Office
N.C. Utilities Commission

Ms. Gail L. Mount
Chief Clerk
North Carolina Utilities Commission
Dobbs Building
430 North Salisbury Street
Raleigh, NC 27603-5926

RE: Docket No. E-7, Sub 1030

Dear Ms. Mount:

Commission Rule R8-52 requires that on or before the 15th day of each month, each public utility that uses fossil and/or nuclear fuel in the generation of electric power for providing North Carolina retail electric service shall file a fuel report for the second preceding month for review by the Commission, the Public Staff and any other interested party. Enclosed for filing with the Commission please find the original and 15 copies of Duke Energy Carolinas, LLC's monthly fuel report pursuant to NCUC Rule R8-52 for the month of June 2013.

Should you have any questions or need further assistance, please contact me.

Sincerely,

Brian L. Franklin

BLF
Enclosures

RR
AG
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Sessoms
Ericson
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2-PS Legal
3-PS Act
PSEcon

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

Schedule 1
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Clerk's Office
N.C. Utilities Commission

Docket No. E-7, Sub 1030

Line No.	Fuel Expenses:	June 2013	12 Months Ended June 2013
1	Fuel and fuel-related costs	\$ 174,897,016	\$ 1,970,959,198
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	<u>12,572,529</u>	<u>123,292,803</u>
3	Total fuel and fuel-related costs (line 1 minus line 2)	<u>\$ 162,324,487</u>	<u>\$ 1,847,666,295</u>
MWH sales:			
4	Total system sales	7,114,641	84,825,762
5	Less intersystem sales	<u>358,530</u>	<u>3,472,204</u>
6	Total sales less intersystem sales	<u>6,756,111</u>	<u>81,353,558</u>
7	Total fuel and fuel-related costs (¢/KWH) (line 3/line 6)	<u>2.4026</u>	<u>2.2712</u>
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2c Total)	<u>2.1866</u>	
Generation Mix (MWH):			
Fossil (by primary fuel type):			
9	Coal	2,721,942	30,045,704
10	Biomass	-	1,408
11	Fuel Oil	120	934
12	Natural Gas - Combustion Turbine	42,518	552,764
13	Natural Gas - Combined Cycle	<u>706,114</u>	<u>6,663,999</u>
14	Total fossil	<u>3,470,694</u>	<u>37,264,809</u>
15	Nuclear 100%	5,115,820	57,729,844
16	Hydro - Conventional	244,014	2,006,989
17	Hydro - Pumped storage	<u>(74,337)</u>	<u>(657,670)</u>
18	Total hydro	<u>169,677</u>	<u>1,349,319</u>
19	Solar Distributed Generation	1,465	12,730
20	Total MWH generation	8,757,656	96,356,702
21	Less joint owners' portion	1,324,972	15,587,268
22	Adjusted total MWH generation	<u>7,432,684</u>	<u>80,769,434</u>
(a) Line 2 includes:			
	Fuel from intersystem sales (Schedule 3)	\$ 12,487,399	\$ 123,084,002
	Fuel in loss compensation	85,130	208,801
	Total fuel recovered from intersystem sales	<u>\$ 12,572,529</u>	<u>\$ 123,292,803</u>

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 1030

Fuel and fuel-related costs:	June 2013	12 Months Ended June 2013
Steam Generation - FERC Account 501		
0501016 coal blending merger savings	\$ 1,892,498	\$ 13,897,194
0501016 coal procurement merger savings	(1,670,251)	(3,135,388)
0501016 transportation merger savings	(91,710)	(134,613)
0501110 coal consumed - steam	104,668,715	1,145,892,048
0501222-0501223 biomass/test fuel consumed	-	77,153
0501310 fuel oil consumed - steam	644,756	21,741,828
0501330 fuel oil light-off - steam	629,049	17,984,798
Total Steam Generation - Account 501	<u>106,073,057</u>	<u>1,196,323,020</u>
Reagents (lime, limestone, ammonia, urea, dibasic acid, and sorbents)	3,225,749	30,922,085
0502160 reagent procurement merger savings	(12,505)	(122,352)
Net proceeds from sale of by-products	683,249	3,431,903
Nuclear Generation - FERC Account 518		
0518100 burnup of owned fuel	27,425,160	287,999,078
0518600 nuclear fuel disposal cost	4,812,303	54,295,802
Total Nuclear Generation - 100%	<u>32,237,463</u>	<u>342,294,880</u>
Less joint owners' portion	8,178,219	91,728,905
Total Nuclear Generation - Account 518	<u>24,059,244</u>	<u>250,565,975</u>
Other Generation - FERC Account 547		
0547100 natural gas consumed - Combustion Turbine	2,398,340	22,519,098
0547101 natural gas consumed - Combined Cycle	24,418,116	199,671,572
0547123 gas capacity merger savings	78,923	4,407,376
0547200 fuel oil consumed - Combustion Turbine	15,816	359,511
Total Other Generation - Account 547	<u>26,911,195</u>	<u>226,957,557</u>
Total fossil and nuclear fuel expenses included in base fuel component	160,939,989	1,708,078,188
Fuel component of purchased and interchange power	10,005,561	169,681,550
Fuel related component of purchased power (economic)	2,290,160	64,959,108
Fuel related component of purchased power (renewables)	<u>1,661,306</u>	<u>28,240,352</u>
Total fuel and fuel-related costs	<u>\$ 174,897,016</u>	<u>\$ 1,970,959,198</u>

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 1030

Other fuel expenses not included in fuel and fuel-related costs:	<u>June 2013</u>	<u>12 Months Ended June 2013</u>
0501223 biomass excess above avoided cost	\$ -	\$ 19,862
0501224 North Carolina incremental renewable fuel	-	(19,818)
0509000, 0557451 emissions allowance expense	1,788	78,923
0509213 RECs consumption expense	-	8,907,803
0518610 spent fuel canisters-accrual	-	815,954
0518620 canister design expense	16,332	466,914
0518700 fuel cycle study costs	-	49,629
0547127 gas desk merger savings	13,232	165,381
0411822, 0411832, 0411875 emission allowance gains	(60,000)	(7,473,414)
Purchased and interchanged power not included in fuel and fuel-related costs	<u>4,792,419</u>	<u>54,886,289</u>
Total other fuel expenses not included in fuel and fuel-related costs:	<u>\$ 4,763,771</u>	<u>\$ 57,897,503</u>
Total FERC Account 501 - Total Steam Generation	106,073,057	1,196,323,064
Total FERC Account 518 - Total Nuclear Generation	24,075,576	251,898,472
Total FERC Account 547 - Other Generation	26,911,195	226,957,557
Total RECs Consumption Expense	-	8,907,803
Total Reagents Expense	3,213,244	30,799,733
Total Gain/Loss from Sale of By-Products	683,249	3,431,903
Total Emission Allowance Expense	1,788	78,923
Total Gain/Loss from Sale of Emission Allowances	(60,000)	(7,473,414)
Total Purchased and Interchanged Power Expenses	18,749,446	317,767,299
Total Merger Savings Excluded from Fuel Recovery	<u>13,232</u>	<u>165,361</u>
Total Fuel, Fuel-Related and Purchased Power Expenses	<u>\$ 179,860,787</u>	<u>\$ 2,028,856,701</u>

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

Purchased Power		Total	Capacity		Non-capacity			
Economic		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
Alcoa Power Generating Inc.	\$	48,885	-	-	1,030	\$ 29,008	\$ 18,987	
Blue Ridge Electric Membership Corp. - Economic		112,206	7	\$ 80,270	1,837	31,981	20,255	
Cherokee County Cogeneration Partners		3,432,656	-	1,012,910	42,803	1,297,908	1,121,837	
City of Kings Mtn		8,078	3	8,979	-	-	-	
DE Progress - Native Load Transfer		5,863,308	-	-	175,405	5,258,565	64,473	\$ 540,270
DE Progress - Native Load Transfer Savings		166,015	-	-	-	166,015	-	
Haywood Electric - Economic		21,806	8	12,438	257	5,593	3,575	
Lockhart Power Co.		19,272	7	19,272	-	-	-	
NCMPA - Economic		94,488	-	-	4,355	59,072	35,416	
NCMPA Load Following - Economic		1,581,893	-	-	62,709	1,031,569	650,429	
Piedmont Electric Membership Corp. - Economic		79,754	5	43,050	1,087	22,389	14,315	
PJM Interconnection LLC		863,148	-	-	28,534	828,520	338,828	
Rutherford Electric Membership Corp. - Economic		73,232	-	-	2,167	64,731	8,501	
Town of Dallas		584	-	584	-	-	-	
Town of Forest City		19,272	7	19,272	-	-	-	
TVA		40,370	-	-	2,005	24,278	13,744	
	\$	12,324,873	55	\$ 1,174,778	324,908	\$ 8,618,360	\$ 2,290,180	\$ 840,270

Purchased Power		Total	Capacity		Non-capacity			
Renewables		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
Active Concepts, LLC	\$	609	-	-	12	-	\$ 609	
Balswood Farm, LLC		45,834	-	-	794	-	45,834	
Coe Suny, LFG, LCC		30,988	-	-	523	-	30,988	
City of Charlotte		2,645	-	-	39	-	2,645	
Concord Energy, LLC		302,878	-	-	4,348	-	302,878	
Davidson Gas Producers, LLC		78,548	-	-	1,100	-	78,548	
Dibrell Farm, LLC		55,705	-	-	822	-	55,705	
Dixon Dairy Road, LLC		45,884	-	-	734	-	45,884	
Durham Landfill Electricity, LLC		100,172	-	-	1,727	-	100,172	
Gas Recovery Systems, LLC		183,371	-	-	2,410	-	183,371	
Gaston County		124,200	-	-	1,987	-	124,200	
Greenville Gas Producer, LLC		73,245	-	-	1,477	-	73,245	
Lockhart - Lower Pacolet Hydro		18,370	-	-	278	-	18,370	
Lockhart - Upper Pacolet Hydro		48,353	-	-	694	-	48,353	
Lockhart - Minimum Flow		32,437	-	-	465	-	32,437	
Lockhart Power Company		78,029	-	-	1,091	-	78,029	
Lynwood Solar, LLC		1,584	-	-	22	-	1,584	
Martin Truss, Jr. LLC		422	-	-	8	-	422	
Mocksville Farm, LLC		56,342	-	-	893	-	56,342	
Nyro, Inc.		1,700	-	-	34	-	1,700	
Ronnie S. Powers		4,215	-	-	87	-	4,215	
Spartanburg Water System		20,753	-	-	465	-	20,753	
Sun Edison, LLC		222,538	-	-	3,282	-	222,538	
Tencava Machinery Company		1,440	-	-	28	-	1,440	
Two Lines Farm, LLC		57,805	-	-	941	-	57,805	
WM Renewable Energy, LLC		85,885	-	-	1,477	-	85,885	
	\$	1,861,306	-	\$ -	25,778	\$ -	\$ 1,861,306	\$ -

Purchased Power		Total	Capacity		Non-capacity			
Other		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
Blue Ridge Electric Membership Corp.	\$	1,180,902	30	\$ 827,180	23,953	\$ 343,871	\$ -	\$ 219,851
City of Concord		8,124	-	3,124	113	-	-	5,089
Haywood Electric		343,893	11	191,280	5,851	63,100	-	59,523
Piedmont Electric Membership Corp.		562,212	16	294,738	11,520	183,159	-	104,315
Generation Imbalance		192,385	-	-	9,453	118,844	-	78,741
Energy Imbalance - Purchases		218,507	-	-	3,294	133,290	-	85,217
Energy Imbalance - Sales		(151,148)	-	-	-	(126,397)	-	(22,751)
Other Qualifying Facilities		1,786,130	-	-	35,691	509,184	-	1,265,948
	\$	4,181,068	66	\$ 1,116,342	88,976	\$ 1,229,852	\$ -	\$ 1,814,811

TOTAL PURCHASED POWER		Total	Capacity		Non-capacity			
		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
	\$	18,347,844	101	\$ 2,293,077	437,882	\$ 9,748,212	\$ 3,851,486	\$ 2,388,181

INTERCHANGES IN		Total	Capacity		Non-capacity			
		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
Other Catawba Joint Owners		7,289,878	-	-	671,038	4,250,301	-	3,039,875
Total Interchanges In		7,289,878	-	-	671,038	4,250,301	-	3,039,875

INTERCHANGES OUT		Total	Capacity		Non-capacity			
		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
Other Catawba Joint Owners		(8,968,474)	(866)	(129,890)	(830,103)	(3,992,980)	-	(2,765,834)
Catawba- Net Negative Generation		(5,993,474)	(866)	(129,890)	(830,103)	(3,992,980)	-	(2,765,834)
Total Interchanges Out		(14,961,948)	(1,732)	(259,780)	(1,660,206)	(7,985,960)	-	(5,531,668)

Net Purchases and Interchange Power		Total	Capacity		Non-capacity			
		\$	MW	\$	MWH	Fuel \$	Fuel-related \$	Not Fuel \$ Not Fuel-related \$
	\$	18,768,448	(785)	\$ 2,183,197	473,887	\$ 10,005,581	\$ 3,851,486	\$ 2,829,232

DUKE ENERGY CAROLINAS
 INTERSYSTEM SALES*
 NCUC-R8-52

JUNE 2013

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

SALES	Total	Capacity		Non-capacity		
	\$	MW	\$	MWH	Fuel \$	Non-fuel \$
Utilities:						
Progress Energy Carolinas - Emergency	\$ 21,531	-	-	443	\$ 15,776	\$ 5,755
SC Public Service Authority - Emergency	(2,675)	-	-	-	-	(2,675)
Market Based:						
Cargill-Alliant, LLC	44	-	-	1	36	8
NCMPA	168,242	-	\$ 120,833	1,120	44,368	3,041
PJM Interconnection LLC	1,368,408	-	-	25,814	983,935	384,473
SC Electric & Gas Market based	-	-	-	-	288	(288)
The Energy Authority	40,775	-	-	755	28,725	14,050
TVA	30,450	-	-	510	19,425	11,025
Other:						
Cargill-Alliant, LLC - Mitigation sales	4,347,146	-	(810,000)	187,783	5,488,801	(341,655)
DE Progress - Native Load Transfer Savings	296,709	-	-	-	296,709	-
DE Progress - Native Load Transfer	5,603,917	-	-	149,304	5,281,583	322,354
DE Progress - Off System Sales/PJM Share	5,200	-	-	-	-	5,200
DE Progress - Purchases	288,349	-	-	12,022	288,349	-
Generation imbalance	40,017	-	-	978	33,424	6,593
BPM Transmission	(187,811)	-	-	-	-	(187,811)
Total Intersystem Sales	\$ 12,018,502	-	\$ (689,167)	358,530	\$ 12,487,399	\$ 220,270

* 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			Net Fuel \$
		MW	\$	MWH	Fuel \$	Fuel-related \$	
Economic	\$						
Alcoa Power Generating Inc	\$ 2,862,885	-	-	94,413	\$ 1,748,408	\$ 1,116,536	
American Electric Power Serv Corp	18,880	-	-	300	11,529	7,371	
Blue Ridge Electric Membership Corp - Economic	3,885,187	7	\$ 1,487,719	79,749	1,476,254	843,194	
Calypso Power Services Marketing	27,572	-	-	1,088	18,918	10,754	
Carroll Power Marketing LLC	1,082,848	-	-	98,965	860,414	427,232	
Charlotte County Cogeneration Partners	48,708,161	11,006,113	-	850,257	18,581,473	18,077,565	
City of Kings Mtn	107,748	3	107,748	-	-	-	
Constellation	7,423,498	-	-	249,205	4,828,222	2,895,168	
DE Progress - Native Lead Transfer	88,778,181	-	-	2,884,523	78,833,815	15,382,104	\$ 5,582,082
DE Progress - Native Lead Transfer - plus partial correction	-	-	-	-	-	3,156,688	(3,156,688)
DE Progress - Native Lead Transfer Standby	4,238,408	-	-	-	4,238,408	-	
DE Progress - Fees	683,689	-	-	-	-	683,689	
EDF Trading North America, LLC	437,032	-	-	12,088	286,590	179,442	
Erebus Generation Company, LLC	52,800	-	-	1,300	31,720	20,280	
Haywood Electric - Economic	880,742	8	481,158	12,083	231,548	148,038	
J Aven & Company	940,281	-	-	32,487	545,771	374,510	
Lockhart Power Co.	231,294	7	231,294	-	-	-	
MCO	188	-	-	-	114	75	
Morgan Stanley Capital Group	415,421	-	-	13,230	220,407	142,014	
MCEMC	88,876	-	-	1,267	41,555	27,321	
NCMPA	3,281,174	-	-	181,570	2,000,590	1,287,584	
NCMPA Local Fellowship	20,168,828	-	-	883,548	12,065,765	8,083,063	
Oglethorpe Power	8,250	-	-	550	5,032	3,219	
Planters Electric Membership Corp - Economic	2,541,744	5	950,880	52,453	970,427	628,437	
PJM Interconnection LLC	29,801,084	-	-	788,258	14,640,688	9,980,424	
Rutherford Electric Membership Corp. - Economic	2,717,772	-	-	96,798	2,263,244	134,528	
Southern	2,584,288	-	-	89,887	1,578,421	1,087,877	
The Energy Authority	484,872	-	7,008	18,738	301,871	183,001	
Town of Dallas	7,688	-	-	-	-	-	
Town of Forest City	236,352	7	236,352	-	-	-	
TVA	5,778,882	-	-	241,318	3,523,847	2,253,015	
Westar Energy, Inc	48,798	-	-	2,188	78,283	18,058	
	\$ 220,814,234	26	\$ 14,417,842	6,143,848	\$ 148,823,480	\$ 84,554,158	\$ 2,406,484

Purchased Power	Total	Capacity		Non-capacity			Net Fuel \$
		MW	\$	MWH	Fuel \$	Fuel-related \$	
Reserve/Idle	\$						
Active Concepts, LLC	\$ 6,829	-	-	110	-	6,829	
Aandl Farms, LLC	111,878	-	-	1,820	-	111,878	
Delwood Farm, LLC	134,424	-	-	2,188	-	134,424	
Carroll Power Marketing	12,820,388	-	-	220,881	-	12,820,388	
Cox Quarry, LFG, LLC	81,125	-	-	628	-	81,125	
City of Charlotte	26,214	-	-	877	-	26,214	
Concord Energy, LLC	2,847,828	-	-	41,877	-	2,847,828	
Dawson Gas Producers, LLC	802,298	-	-	12,884	-	802,298	
Oborn Farms, LLC	87,315	-	-	1,819	-	87,315	
Dean Dairy Road, LLC	557,180	-	-	7,271	-	557,180	
Durham Landfill Electricity, LLC	1,191,588	-	-	80,545	-	1,191,588	
Gas Recovery Systems, LLC	1,780,880	-	-	25,911	-	1,780,880	
Gaston County	1,472,075	-	-	23,563	-	1,472,075	
Greenville Gas Producer, LLC	1,040,382	-	-	18,118	-	1,040,382	
Lockhart - Lower Picolet Hydro	178,253	-	-	2,873	-	178,253	
Lockhart - Upper Picolet Hydro	172,223	-	-	2,471	-	172,223	
Lockhart - Minimum Flow	177,056	-	-	2,541	-	177,056	
Lockhart Power Company	801,780	-	-	12,138	-	801,780	
Lynwood Solar, LLC	9,323	-	-	160	-	9,323	
Martin Truss, Jr. LLC	873	-	-	17	-	873	
McIntosh Farm, LLC	184,253	-	-	2,854	-	184,253	
Myco, Inc.	19,203	-	-	308	-	19,203	
Rennie B. Powers	36,512	-	-	588	-	36,512	
Spartanburg Water System	81,408	-	-	1,297	-	81,408	
San Edison, LLC	1,888,887	-	-	29,438	-	1,888,887	
Tennessee Machinery Company	18,848	-	-	288	-	18,848	
Two Lines Farm, LLC	118,872	-	-	1,888	-	118,872	
W&M Renewable Energy, LLC	1,283,140	-	-	18,040	-	1,283,140	
	\$ 28,240,283	-	-	484,780	-	28,240,283	

Purchased Power	Total	Capacity		Non-capacity			Net Fuel \$
		MW	\$	MWH	Fuel \$	Fuel-related \$	
Other	\$						
SC Public Service Authority - Emergency	\$ 3,181	-	-	100	\$ 3,181	\$ -	2,870
Blue Ridge Electric Membership Corp	18,378,828	38	\$ 7,858,298	522,543	5,138,850	3,283,827	
City of Concord	88,876	-	17,884	1,077	(15,841)	84,032	
Haywood Electric	4,200,282	11	1,811,532	82,087	1,457,188	831,844	
Planters Electric Membership Corp.	7,883,470	16	3,748,181	187,732	2,521,801	1,612,278	
Generation Imbalance	2,712,254	-	-	82,282	1,585,127	-	1,127,127
Energy Imbalance - Purchases	2,882,441	-	-	29,881	1,270,288	-	912,162
Energy Imbalance - Sales	(1,147,181)	-	-	-	(581,774)	-	(485,405)
Other Qualifying Facilities	12,787,865	-	-	223,298	1,530,280	-	11,227,885
	\$ 44,940,283	66	\$ 13,637,864	920,258	\$ 12,827,287	\$ -	18,888,230

TOTAL PURCHASED POWER \$ 623,884,928 101 \$ 28,084,198 7,888,848 \$ 181,738,667 \$ 93,198,488 \$ 21,008,714

INTERCHANGES IN							
Other Catawba Joint Owners	88,825,475	-	-	7,828,892	47,873,178	-	41,182,288
Total Interchanges In	88,825,475	-	-	7,828,892	47,873,178	-	41,182,288

INTERCHANGES OUT							
Other Catawba Joint Owners	(74,887,308)	(888)	(1,880,204)	(8,478,817)	(28,520,864)	-	(30,706,148)
Catawba - Met Negative Generation	(258,788)	-	-	(8,887)	(710,220)	-	(45,689)
Total Interchanges Out	(75,146,096)	(888)	(1,880,204)	(8,487,704)	(29,231,084)	-	(30,751,837)

Net Purchases and Interchange Power \$ 317,737,298 (788) \$ 26,474,884 6,882,647 \$ 188,881,288 \$ 93,198,488 \$ 28,411,886

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

SALES	Total		Capacity		Non-capacity		
	\$		MW	\$	MWH	Fuel \$	Non-fuel \$
Utilities:							
Progress Energy Carolinas - Emergency	\$ 28,335	-	-	-	583	\$ 21,960	\$ 6,375
SC Public Service Authority - Emergency	94,858	-	-	-	2,242	77,283	17,383
SC Electric & Gas - Emergency	16,106	-	-	-	315	11,077	5,029
Market Based:							
American Electric Power Services Corp.	5,625	-	-	-	75	2,989	2,636
Cargill-Alliant, LLC	1,724	-	-	-	43	1,358	366
Constellation Power Sources	87,249	-	-	-	1,395	62,003	25,246
Exelon Generation Company, LLC	-	-	-	-	-	(4)	4
MISO	66,124	-	-	-	500	85,605	(19,481)
Morgan Stanley	17,038	-	-	-	283	12,373	4,665
NCEMC	10,125	-	-	-	225	3,097	7,028
NCEMC (Generator/Instantaneous)	57,375	-	-	-	1,050	40,541	16,834
NCMPA #1	1,754,663	-	\$ 1,249,999	-	10,722	443,827	60,837
PJM Interconnection LLC	11,451,134	-	-	-	190,455	7,417,082	4,034,052
SC Electric & Gas Market based	501,601	-	-	-	6,670	289,634	211,767
Southern	57,325	-	-	-	860	45,398	11,927
The Energy Authority	418,545	-	-	-	6,035	242,494	178,051
TVA	405,830	-	-	-	7,471	304,025	101,805
Other:							
Cargill-Alliant, LLC - Mitigation sales	18,610,930	-	(1,481,935)	-	773,575	25,335,981	(5,243,116)
DE Progress - Native Load Transfer Savings	8,602,147	-	-	-	-	8,602,147	-
DE Progress - Native Load Transfer	75,282,241	-	-	-	2,123,538	70,909,562	4,372,679
DE Progress - Off System Sales/PJM Share	2,605,062	-	-	-	314	12,776	2,592,286
DE Progress - Purchases	8,826,149	-	-	-	335,581	8,826,149	-
Generation Imbalance	462,522	-	-	-	10,272	336,435	126,087
BPM Transmission	(1,390,480)	-	-	-	-	-	(1,390,480)
Total Intersystem Sales	\$ 127,972,026	-	\$ (231,938)	-	3,472,204	\$ 123,084,002	\$ 5,119,960

* 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 June 30, 2013.

Duke Energy Carolinas
Over / (Under) Recovery of Fuel Costs
June 2013
NCUC R8-52

Schedule 4

Line No.		Residential	Commercial	Industrial	Total
1	N.C. Retail kWh sales	1,549,862,868	1,938,926,449	1,054,491,461	4,543,280,778
2	Approved fuel and fuel related rates (¢/kWh)				
2a	Billed rates by class (¢/kWh)	2.2224	2.2483	2.2594	
2b	Merger fuel savings decrement	(0.0707)	(0.0509)	(0.0379)	
2c	Net billed rates by class (¢/kWh)	2.1517	2.1954	2.2215	2.1886
2d	Billed fuel expense	\$33,348,399	\$42,587,191	\$23,425,528	\$99,341,118
3	Total system kWh sales				6,758,110,598
4	NC kWh sales %				87.25%
5	Incurred base fuel and fuel related (¢/kWh) (less renewable purchased power capacity)				
5a	Docket E-7, Sub 1002 allocation factor	37.41%	40.03%	22.56%	100.00%
5b	System incurred expense				\$162,067,511
5c	Incurred base fuel rates (¢/kWh)	2.6308	2.2500	2.3315	2.3988
5d	NC incurred expense by class	\$40,773,759	\$43,828,047	\$24,585,711	\$108,985,517
6	Incurred renewable purchased power capacity rates (¢/kWh)				
6a	NC retail production plant %				76.33%
6b	Production plant allocation factors	43.17%	38.22%	18.61%	100.00%
6c	System incurred expense				\$256,976
6d	Incurred renewable capacity rates (¢/kWh)	0.0055	0.0039	0.0035	0.0043
6e	NC Incurred renewable capacity expense	\$84,683	\$74,958	\$36,505	\$196,146
7	Total incurred rates by class (¢/kWh)	2.8363	2.2539	2.3350	2.4031
8	Difference in ¢/kWh (billed - incurred)	(0.4846)	(0.0585)	(0.1135)	(0.2166)
9	Over / (under) recovery	(\$7,510,043)	(\$1,133,814)	(\$1,198,688)	(\$9,840,545)
10	Prior period adjustments				
11	Total over / (under) recovery	(\$7,510,043)	(\$1,133,814)	(\$1,198,688)	(\$9,840,545)
12	Total system incurred expense				\$162,324,487
13	Over / (under) recovery for each month of the current calendar year				

Year 2013	Total To Date	Over / (Under) Recovery			Total Company
		Residential	Commercial	Industrial	
January	\$915,285	\$6,108,252	(\$1,803,167)	(\$3,389,800)	\$915,285
February	7,784,422	6,545,048	(20,145)	344,234	6,869,137
March	1,381,453	825,362	(4,527,568)	(2,700,743)	(6,402,969)
April	13,481,285	3,397,206	4,731,791	3,970,835	12,099,832
May	21,563,345	(2,913,073)	6,507,403	4,487,730	8,082,060
June	\$11,722,800	(\$7,510,043)	(\$1,133,814)	(\$1,198,688)	(\$9,840,545)
July					
August					
September					
October					
November					
December					

Notes:

Detail amounts may not recalculate due to percentages presented as rounded.

1 Includes prior period adjustments.

DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT
JUNE 2013

Description	Allen	Belows Creek	(H) Buck	(H) Cliffside	(H) Dan River	Lee	Lincoln	Marshall	Mill Creek	(H) Riverbend	Rockingham	Current Month	Total 12 ME June 2013
	Steam	Steam	Gas/CC	Steam	Gas/CC	Steam/CT	CT	Steam	CT	Steam/CT	CT		
Coal Data:													
Beginning balance	626,027	1,611,789		476,180		136,167		1,895,406		101,380		4,734,930	4,726,404
Tons received during period	34,907	249,103		259,420		-		227,534		-		770,964	11,255,113
Inventory adjustments (A)	491	(1,224)		4,208		-		(635)		-		2,640	1,758
Tons burned during period (B)	95,378	500,230		246,734		-		211,311		-		1,053,653	11,528,394
Ending balance (C)	566,048	1,259,438		487,054		136,167		1,910,795		101,380		4,454,882	4,454,882
MBTUs per ton burned	23.54	24.71		24.14		-		24.79		-		24.49	24.53
Cost of ending inventory (\$/ton) (C)	99.00	97.35		100.94		99.93		101.60		101.85		100.01	100.01
Biomass/Teel Fuel Data:													
Beginning balance													2,222
Tons received during period													95
Inventory adjustments													2
Tons burned during period													2,319
Ending balance													-
Cost of ending inventory (\$/ton)													-
Fuel Oil Data:													
Beginning balance	112,798	234,595	279,627	93,242	-	618,657	9,811,890	334,423	3,984,186	-	2,968,560	18,437,978	18,434,622
Gallons received during period	126,638	81,628		190,164	-	-	-	104,098	-	-	-	502,728	13,514,264
Miscellaneous usage, transfers and adjustments (D)	(8,869)	(15,177)	(1)	(14,763)	-	(100)	-	(12,656)	-	-	-	(51,089)	(496,812)
Gallons burned during period (E)	112,484	56,663		131,526	-	-	11,510	113,940	-	-	-	428,922	12,991,379
Ending balance	118,163	242,163	279,626	137,115	-	618,557	9,800,380	311,925	3,984,186	-	2,968,560	18,460,695	18,460,695
Cost of ending inventory (\$/gal)	3.00	3.07	2.99	3.01	-	2.87	1.49	3.13	2.99	-	2.47	2.11	2.11
Gas Data: (F)													
Beginning balance													
MCF received during period (G)			2,588,050		2,381,073	26,078	162,208		4,845	-	308,367	5,470,621	53,768,439
MCF burned during period (G)			2,588,050		2,381,073	26,078	162,208		4,845	-	308,367	5,470,621	53,768,439
Ending balance													
Cost of ending inventory (\$/mcf)													
Limestone Data:													
Beginning balance	13,952	34,700		23,741				61,270				133,663	133,909
Tons received during period	-	27,964		19,503				13,228				60,695	539,120
Tons consumed during period (B)	7,019	21,201		12,749				11,161				52,130	530,802
Ending balance	6,933	41,462		30,495				63,337				142,227	142,227
Cost of ending inventory (\$/ton)	37.18	33.44		27.48				31.78				31.60	31.60

(A) Coal inventory adjustments include a transfer from Dan River to Belows Creek of 85,903 tons for the twelve months ended. The tons transferred between stations net to zero.

(B) The current month and twelve months ended data include an annual aerial survey adjustment recorded in Dec 2012.

(C) Coal inventory Ending Balance excludes 91,732 tons and \$6,399,632 associated with terminals for the current month.

(D) Fuel Oil inventory adjustments include a transfer from Dan River to Belows Creek of 87,802 gallons for the twelve months ended. The gallons transferred between stations net to zero.

(E) Fuel Oil inventory adjustments include a transfer from Riverbend to Marshall of 210,247 gallons for the twelve months ended. The gallons transferred between stations net to zero.

(F) Total gallons of fuel oil burned includes 597 gallons of diesel fuel oil for on-site standby generators for the month and 5,694 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.

(G) Gas is burned as received; therefore, inventory balances are not maintained.

(H) Twelve months ended Gas MCF received and burned includes 47,399,620 attributable to combined cycle plant activity.

(I) 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.

(J) The following CT units were retired April 1, 2013: Buck units 5 & 6; and Riverbend units 4, 5, 6, & 7.

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

DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASES
JUNE 2013

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	-	-	-
	CONTRACT	34,907	\$ 3,338,255.64	\$ 95.63
	ADJUSTMENTS	-	58,167.56	-
	TOTAL	34,907	3,396,423.20	97.30
BELEWS CREEK	SPOT	(32,754)	(1,989,470.65)	60.74
	CONTRACT	281,856	25,190,291.20	89.37
	ADJUSTMENTS	-	2,044,862.51	-
	TOTAL	249,103	25,245,683.06	101.35
CLIFFSIDE	SPOT	-	-	-
	CONTRACT	259,420	27,579,178.36	106.31
	ADJUSTMENTS	-	292,950.96	-
	TOTAL	259,420	27,872,129.32	107.44
MARSHALL	SPOT	-	-	-
	CONTRACT	227,534	22,767,771.69	100.06
	ADJUSTMENTS	-	846,335.12	-
	TOTAL	227,534	23,614,106.81	103.78
ALL PLANTS	SPOT	(32,754)	(1,989,470.65)	60.74
	CONTRACT	803,718	78,875,496.89	98.14
	ADJUSTMENTS	-	3,242,316.15	-
	TOTAL	770,964	\$ 80,128,342.39	\$ 103.93

DUKE ENERGY CAROLINAS
ANALYSIS OF QUALITY OF COAL RECEIVED
JUNE 2013

STATION	PERCENT MOISTURE	HEAT VALUE	PERCENT SULFUR
ALLEN	6.42	11,899	0.73
BELEWS CREEK	6.89	12,383	1.23
BUCK	-	-	-
CLIFFSIDE	6.61	12,625	1.95
DAN RIVER	-	-	-
LEE	-	-	-
MARSHALL	7.55	12,597	1.87
RIVERBEND	-	-	-

DUKE ENERGY CAROLINAS
ANALYSIS OF OIL PURCHASES
JUNE 2013

	ALLEN	BELEWS CREEK	CLIFFSIDE	MARSHALL
VENDOR	HighTowers	HighTowers	HighTowers	HighTowers
SPOT/CONTRACT	Contract	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0	0
GALLONS RECEIVED	126,838	81,628	190,164	104,098
TOTAL DELIVERED COST	\$ 378,784.91	\$ 241,671.58	\$ 569,174.09	\$ 320,736.36
DELIVERED COST/GALLON	\$ 2.99	\$ 2.96	\$ 2.99	\$ 3.08
BTU/GALLON	137,459	138,014	137,392	137,387

**DUKE ENERGY CAROLINAS
POWER PLANT PERFORMANCE DATA
TWELVE MONTHS SUMMARY**

July, 2012 - June, 2013

Schedule 10
Page 1 of 7

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	21,862,280	2,538	98.33	96.40
McGuire	16,619,402	2,229	85.11	82.60
Catawba	19,248,162	2,258	97.31	94.86

**Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2012 through June, 2013**

Baseload Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	7,468,099	1,110	76.80%	90.71%
Belews Creek 2	6,174,319	1,110	63.50%	88.18%
Cliffside 6	2,514,853	825	70.19%	85.63%
Marshall 3	2,646,640	658	45.92%	62.61%
Marshall 4	3,716,569	660	64.28%	83.07%

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

Cliffside unit 6 net generation (mWh) within the 12 month period was as follows:

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
July, 2012 through June, 2013**

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 5	1,545,998	555	31.80%	94.27%
Marshall 1	1,266,234	380	38.04%	89.66%
Marshall 2	1,371,212	380	41.19%	85.86%

**Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2012 through June, 2013
Other Cycling Coal Units**

Schedule 10
Page 4 of 7

Unit Name	Net Generation (m Wh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen 1	83,344	162	5.87%	91.05%
Allen 2	67,825	162	4.78%	91.03%
Allen 3	561,742	261	24.57%	90.68%
Allen 4	762,075	276	31.52%	94.99%
Allen 5	518,796	266	22.26%	87.51%
Buck 5	176,836	128	21.01%	97.75%
Buck 6	75,504	128	8.97%	99.14%
Lee 1	7,690	100	0.88%	99.93%
Lee 2	17,874	100	2.04%	97.95%
Lee 3	51,220	170	3.44%	99.24%
Riverbend 4	20,352	94	3.29%	99.94%
Riverbend 5	19,905	94	3.22%	99.88%
Riverbend 6	106,124	133	12.13%	98.20%
Riverbend 7	106,424	133	12.17%	97.89%

**Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2012 through June, 2013
Combustion Turbines**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Buck CT	-58	16	80.65%
Buzzard Roost CT	-272	44	88.64%
Dan River CT	-17	12	62.82%
Lee CT	50,647	82	97.29%
Lincoln CT	28,337	1,264	94.64%
Mill Creek CT	55,751	592	93.63%
Riverbend CT	-240	16	100.00%
Rockingham CT	419,550	825	50.28%

Notes:

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.

The following units were retired April 1, 2013:

Buck CT units 5 & 6

Riverbend CT units 4, 5, 6, & 7.

Duke Energy Carolinas
Power Plant Performance
12 Months Ended June 2013

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants:			
Bridgewater	71,401	31.500	98.68
Cedar Creek	143,110	45.000	99.24
Cowans Ford	177,120	325.200	86.21
Dearborn	152,961	42.000	86.83
Fishing Creek	144,731	49.000	97.03
Gaston Shoals	17,215	2.000	48.70
Great Falls	10,886	12.000	87.65
Keowee	53,055	152.000	98.26
Lookout Shoals	93,298	27.900	85.90
Mountain Island	118,735	82.000	94.95
Ninety Nine Island	65,802	6.400	97.40
Oxford	111,438	40.000	62.55
Rhodhiss	70,611	30.000	72.66
Rocky Creek	(228)	-	0.27
Tuxedo	26,440	6.400	97.54
Wateree	207,758	85.000	92.02
Wylie	139,755	72.000	98.68
Nantahala	246,850	50.000	96.38
Queens Creek	4,103	1.440	95.39
Thorpe	72,712	19.700	82.01
Tuckasegee	6,275	2.500	88.90
Tennessee Creek	14,315	9.800	79.47
Bear Creek	31,917	9.450	99.96
Cedar Cliff	22,300	6.400	82.20
Mission	(12)	0.600	70.26
Franklin	3,975	0.600	83.82
Bryson	467	0.480	97.43
Total Conventional	<u>2,008,989</u>		
Pumped Storage Plants:			
Jocassee	1,016,116	780.000	93.26
Bad Creek	1,718,172	1,360.000	92.82
Subtotal	<u>2,734,288</u>		
Energy for Pumping:			
Jocassee	(1,221,484)		
Bad Creek	(2,170,474)		
Subtotal	<u>(3,391,958)</u>		
Generation less Energy for Pumping			
Jocassee	(205,368)		
Bad Creek	(452,302)		
Total Pumped Storage	<u>(657,670)</u>		

NOTE:

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**

Schedule 10
Page 7 of 7

**Twelve Month Summary
July, 2012 through June, 2013
Combined Cycle Units**

Unit Name	Net Generation (m Wh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Buck CC 10	4,430,489	620	81.57%	93.15%
Dan River CC 7	1,981,858	620	73.60%	92.28%

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

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:
Dollars reported in (\$)

June 2013

	Gross Savings			Allocated Savings		DE Carolinas
	DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1 Joint Dispatch	\$ 858,131	\$ 707,285	\$ 1,565,416	\$ 988,827	\$ 576,589	\$ 664,956
2 Coal Blending	5,241,065	-	5,241,065	3,348,567	1,892,498	2,251,810
3 Coal Procurement	561,582	2,973,175	3,534,757	2,231,833	1,302,924	1,500,840
4 Coal Transportation	521,110	436,605	957,715	612,820	344,895	412,103
5 Reagent Procurement & Transportation	70,480	60,700	131,180	82,985	48,195	55,805
6 Natural Gas Capacity	214,496	-	214,496	135,573	78,923	91,169
7 Natural Gas Trading	35,954	-	35,954	22,722	13,232	15,280
	<u>\$ 7,502,818</u>	<u>\$ 4,177,765</u>	<u>\$ 11,680,583</u>	<u>\$ 7,423,327</u>	<u>\$ 4,257,256</u>	<u>\$ 4,991,964</u>

Resource ratio % 63.17% 36.83% 100.00%

Billed Sales (MWH)
Sales allocation %

4,756,111 4,543,281
67.25%

Twelve Months Ending:

June 2013

	Gross Savings			Allocated Savings		DE Carolinas
	DE Carolinas	DE Progress	Combined	DE Carolinas	DE Progress	NC Retail portion
1 Joint Dispatch	\$ 17,047,898	\$ 17,432,395	\$ 34,480,293	\$ 21,406,804	\$ 13,073,489	\$ 14,576,376
2 Coal Blending	36,874,960	-	36,874,960	22,977,766	13,897,194	15,621,136
3 Coal Procurement	4,530,471	7,693,265	12,223,736	7,665,859	4,557,877	5,199,631
4 Coal Transportation	5,736,526	3,662,523	9,399,048	5,871,139	3,527,909	3,988,833
5 Reagent Procurement & Transportation	724,628	666,165	1,390,793	846,980	543,813	577,081
6 Natural Gas Capacity	11,631,779	-	11,631,779	7,224,403	4,407,376	4,912,033
7 Natural Gas Trading	431,448	-	431,448	266,088	165,361	181,334
	<u>\$ 76,977,710</u>	<u>\$ 29,454,348</u>	<u>\$ 106,432,058</u>	<u>\$ 66,259,039</u>	<u>\$ 40,173,019</u>	<u>\$ 45,058,423</u>

Total-to-date:

June 2013

	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	\$ 17,047,898	\$ 17,432,395	\$ 34,480,293	\$ 21,406,804	\$ 13,073,489	\$ 14,576,376
2 Coal Blending (a)	259,800,000	45,732,784	-	45,732,784	31,835,590	13,897,194	21,655,747
3 Coal Procurement (a)	45,950,000	5,182,406	8,172,765	13,355,171	8,317,794	5,037,377	5,644,732
4 Coal Transportation (a)	30,395,000	5,784,333	4,012,292	9,777,625	5,898,947	3,878,678	4,007,704
5 Reagent Procurement & Transportation	12,800,000	840,115	925,258	1,765,373	962,467	802,906	655,582
6 Natural Gas Capacity	16,900,000	11,631,779	-	11,631,779	7,224,403	4,407,376	4,912,033
7 Natural Gas Trading	2,000,000	431,448	-	431,448	266,088	165,361	181,334
	<u>\$ 686,800,000</u>	<u>\$ 86,630,763</u>	<u>\$ 30,543,710</u>	<u>\$ 117,174,473</u>	<u>\$ 75,912,082</u>	<u>\$ 41,282,381</u>	<u>\$ 51,633,907</u>

(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.