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July 26, 2017

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
Post Office Drawer 11649
Columbia, South Carolina 29211

RE: Duke Energy Carolinas, LLC – Monthly Fuel Cost Report and Base Load Power Plant Performance Report
Docket No. 1989-9-E

Dear Ms. Boyd:

Pursuant to the Commission's Orders in the above captioned docket, enclosed please find the following reports for the month of June 2017.

1. Monthly Fuel Cost Report for June 2017 (Exhibit A).
2. Base Load Power Plant Performance Report for June 2017 (Exhibit B).

Should you have any questions regarding this matter, please do not hesitate to contact me at 803.988.7130.

Sincerely,

Rebecca J. Dulin

Enclosures

cc: Ms. Shannon Hudson, Office Regulatory Staff
Ms. Dawn Hipp, Office Regulatory Staff
Mr. Scott Elliott, Elliott & Elliott, P.A.
Ms. Nanette Edwards, Office Regulatory Staff
Mr. Jeff Nelson, Office Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy

DUKE ENERGY CAROLINAS
SUMMARY OF MONTHLY FUEL REPORT

Line No.		June 2017
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 144,644,373
	MWH sales:	
2	Total system sales.	7,511,585
3	Less intersystem sales	128,788
4	Total sales less intersystem sales	7,382,797
5	Total fuel and fuel-related costs (¢/KWH) (line 1/line 4)	1.9592
6	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 10 + Line 18)	1.6368
	Generation Mix (MWH):	
	Fossil (by primary fuel type):	
7	Coal	2,585,122
8	Fuel Oil	6,720
9	Natural Gas - Combined Cycle	852,682
10	Natural Gas - Combustion Turbine	30,009
11	Natural Gas - Steam	3,191
12	Total fossil	3,477,724
13	Nuclear 100%	5,229,752
14	Hydro - Conventional	142,060
15	Hydro - Pumped storage	(80,828)
16	Total hydro	61,232
17	Solar Distributed Generation	15,144
18	Total MWH generation	8,783,852
19	Less joint owners' portion - Nuclear	1,348,593
20	Adjusted total MWH generation	7,435,259

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

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Exhibit A
Schedule 2

DUKE ENERGY CAROLINAS
DETAILS OF FUEL AND FUEL-RELATED COSTS

Fuel and fuel-related costs:	June 2017
Steam Generation - Account 501	
0501110 coal consumed - steam	$ 74,053,883
0501310 fuel oil consumed - steam	439,611
0501330 fuel oil light-off - steam	318,166
Total Steam Generation - Account 501	74,811,660
Nuclear Generation - Account 518	
0518100 burnup of owned fuel	26,745,146
0518600 nuclear fuel disposal cost	-
Total Nuclear Generation - Account 518	26,745,146
Other Generation - Account 547	
0547100, 0547124 - natural gas consumed - Combustion Turbine	1,239,444
0547100 natural gas consumed - Steam	194,675
0547101 natural gas consumed - Combined Cycle	21,322,350
0547200 fuel oil consumed - Combustion Turbine	17,748
Total Other Generation - Account 547	22,774,217
Purchased Power and Net Interchange - Account 555	
Fuel and fuel-related component of purchased power	19,587,051
Fuel and fuel-related component of DERP purchases	6,923
PURPA purchased power capacity	2,189,401
DERP purchased power capacity	2,562
Total Purchased Power and Net Interchange - Account 555	21,785,937
Less:	
Fuel and fuel-related costs recovered through intersystem sales	3,502,529
Fuel in loss compensation	16,586
Total Fuel Credits - Account 447	3,519,115
Environmental Costs	
0509000, 0557451 emission allowance expense	2,937
0502020, 0502030, 0502040, 0502082, 0548020 reagent expense	2,107,571
0502080, 0502083, 0502090, 0502150 sorbent expense	202,149
Emission allowance gains	(175,470)
Less reagents expense recovered through intersystem sales - Account 447	75,133
Less emissions expense recovered through intersystem sales - Account 447	15,526
Total Environmental Component of Recovery	2,046,528
Total Fuel and Fuel-related Costs excluding DERP incremental costs	$ 144,644,373
DERP incremental costs	577,529
Total Fuel and Fuel-related Costs to be Recovered	$ 145,221,902

Notes: Detail amounts may not add to totals shown due to rounding.
Report reflects net ownership costs of jointly owned facilities.

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DUKE ENERGY CAROLINAS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

June 2017

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Blue Ridge Electric Membership Corp.	$ 1,267,537	$ 690,893	23,904	$ 576,644	-
Cargill Power Marketers, LLC.	216,572	-	10,011	216,572	-
City of Kings Mountain	8,979	8,979	-	-	-
EDF Trading North America, LLC.	6,600	-	300	6,600	-
Exelon Generation Company, LLC.	3,300	-	150	3,300	-
Haywood Electric	156,577	92,674	6,625	63,903	-
Morgan Stanley Capital Group	19,340	-	880	19,340	-
NCEMC	4,441	4,441	-	-	-
NCMPA	971,520	-	36,608	971,520	-
Piedmont Electric Membership Corp.	592,152	310,244	11,520	281,908	-
Piedmont Municipal Power Agency	385,906	-	15,030	385,906	-
PJM Interconnection, LLC.	520,906	-	23,625	520,906	-
Southern Company Services, Inc.	29,030	-	2,903	29,030	-
The Energy Authority	3,220	-	140	3,220	-
Town of Dallas	584	584	-	-	-
Town of Forest City	19,856	19,856	-	-	-
DE Progress - Native Load Transfer	6,637,670	-	315,348	6,588,405	$ 49,265
DE Progress - Native Load Transfer Benefit	639,899	-	-	639,899	-
DE Progress - Fees	(255,102)	-	-	(255,102)	-
Generation Imbalance	100,159	-	4,396	59,596	40,563
Energy Imbalance - Purchases	95,031	-	2,235	57,969	37,062
Energy Imbalance - Sales	(30,673)	-	-	(28,530)	(2,143)
	$ 11,393,504	**$ 1,127,671**	**453,675**	**$ 10,141,086**	**$ 124,747**
Act 236 PURPA Purchases					
Cherokee County Cogeneration Partners	$ 3,380,888	$ 1,362,507	59,215	$ 2,018,381	
Renewable Energy	4,823,888	522,270	81,708	4,301,618	
DERP.	9,485	2,562	146	6,923	
Other Qualifying Facilities	3,398,393	304,623	64,424	2,988,509	105,261
	$ 11,612,654	**$ 2,191,962**	**205,493**	**$ 9,315,431**	**$ 105,261**
Other Purchases	**$ 1,146**	**$ -**	**29**	**$ -**	**$ 1,146**
Total Purchased Power	**$ 23,007,304**	**$ 3,319,633**	**659,197**	**$ 19,456,517**	**$ 231,154**
Interchanges In					
Other Catawba Joint Owners	7,971,746	-	686,428	4,419,494	3,552,252
Total Interchanges In	7,971,746	-	686,428	4,419,494	3,552,252
Interchanges Out					
Other Catawba Joint Owners	(7,726,747)	(129,880)	(665,429)	(4,282,037)	(3,314,830)
Catawba- Net Negative Generation	-	-	-	-	-
Total Interchanges Out	(7,726,747)	(129,880)	(665,429)	(4,282,037)	(3,314,830)
Net Purchases and Interchange Power	**$ 23,252,303**	**$ 3,189,753**	**680,196**	**$ 19,593,974**	**$ 468,576**

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

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DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
SOUTH CAROLINA

JUNE 2017

Sales	Total $	Capacity $	Non-capacity mWh	Non-capacity Fuel $	Non-capacity Non-fuel $
Utilities:					
SC Public Service Authority - Emergency	$ 8,869	-	128	$ 7,252	$ 1,617
SC Electric & Gas - Emergency	61,468	-	614	15,605	45,863
Market Based:					
Cargill-Alliant, LLC.	108,000	-	2,400	79,359	28,641
Midwest Independent System Operator	(4)	-	-	-	(4)
NCMPA	112,699	$ 87,500	695	27,157	(1,958)
PJM Interconnection, LLC.	38,133	-	1,013	37,643	490
The Energy Authority	107,400	-	2,425	78,302	29,098
Other:					
DE Progress - Native Load Transfer Benefit	56,207	-	-	56,207	-
DE Progress - Native Load Transfer	3,183,440	-	116,845	3,164,900	18,540
Generation Imbalance	156,947	-	4,668	126,763	30,184
BPM Transmission	(16,314)	-			(16,314)
Total Intersystem Sales	**$ 3,816,845**	**$ 87,500**	**128,788**	**$ 3,593,188**	**$ 136,157**

* Sales for resale other than native load priority.

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

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Duke Energy Carolinas
(Over) / Under Recovery of Fuel Costs
June 2017

Line No.			Residential	Commercial	Industrial	Total
1	Actual System kWh sales	Input				7,382,797,262
2	DERP Net Metered kWh generation	Input				3,385,344
3	Adjusted System kWh sales	L1 + L2				7,386,182,606
4	Actual S.C. Retail kWh sales	Input	527,907,707	506,172,821	806,706,799	1,840,787,327
5	DERP Net Metered kWh generation	Input	2,862,416	366,676	156,252	3,385,344
6	Adjusted S.C. Retail kWh sales	L4 + L5	530,770,123	506,539,497	806,863,051	1,844,172,671
Base fuel component of recovery: non-capacity						
7	Incurred System base fuel - non-capacity expense	Input				$140,398,960
8	Eliminate avoided fuel benefit of S.C. net metering	Input				109,646
9	Adjusted Incurred System base fuel - non-capacity expense	L7 + L8				$140,508,606
10	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L9 / L3 * 100				1.9023
11	S.C. Retail portion of adjusted incurred system expense	L6 * L10 / 100	$10,096,930	$9,635,987	$15,349,093	$35,082,010
12	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	(46,167)	(30,629)	(32,850)	(109,646)
13	S.C. Retail portion of incurred system expense	L11 + L12	$10,050,763	$9,605,358	$15,316,243	$34,972,364
14	Billed base fuel - non-capacity rate (¢/kWh)	Input	1.5877	1.5877	1.5877	1.5877
15	Billed base fuel - non-capacity revenue	L4 * L14 / 100	$8,381,591	$8,036,506	$12,808,084	$29,226,181
16	DERP NEM incentive - fuel component	Input	(13,863)	(9,197)	(9,864)	(32,924)
17	Adjusted S.C. billed base fuel - non-capacity revenue	L15 + L16	$8,367,728	$8,027,309	$12,798,220	$29,193,257
18	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L17 - L13	$1,683,035	$1,578,049	$2,518,023	$5,779,107
19	Adjustment	Input				
20	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 + L19	**$1,683,035**	**$1,578,049**	**$2,518,023**	**$5,779,107**
Base fuel component of recovery: capacity						
21	Incurred base fuel - capacity rates by class (¢/kWh)	Input	0.0435	0.0301	0.0203	0.0297
22	Incurred S.C. base fuel - capacity expense	L4 * L21 / 100	$229,852	$152,493	$163,549	$545,894
23	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.0797	0.0330	0.0223	0.0417
24	Billed S.C. base fuel - capacity revenue	L4 * L23 / 100	420,742	167,037	179,896	767,675
25	S.C. base fuel - capacity (over)/under recovery [See footnote]	L24 - L22	(190,890)	(14,544)	(16,347)	(221,781)
26	Adjustment	Input				
27	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 + L26	**($190,890)**	**($14,544)**	**($16,347)**	**($221,781)**

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Duke Energy Carolinas
(Over) / Under Recovery of Fuel Costs
June 2017

Line No.			Residential	Commercial	Industrial	Total
Environmental component of recovery						
28	Incurred environmental rates by class (¢/kWh)	Input	0.0407	0.0282	0.0190	0.0277
29	Incurred S.C. environmental expense	L4 * L28 / 100	$214,852	$142,542	$152,876	$510,270
30	Billed environmental rates by class (¢/kWh)	Input	0.0237	0.0065	0.0006	0.0088
31	Billed S.C. environmental revenue	L4 * L30 / 100	125,114	32,901	4,840	162,855
32	S.C. environmental (over)/under recovery [See footnote]	L31 - L29	89,738	109,641	148,036	347,415
33	Adjustment	Input				
34	Total S.C. environmental (over)/under recovery [See footnote]	L32 + L33	**$89,738**	**$109,641**	**$148,036**	**$347,415**
Distributed Energy Resource Program component of recovery: avoided costs						
35	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.0002	0.0001	0.0001	0.0001
36	Incurred S.C. DERP avoided cost expense	L4 * L35 / 100	$996	$661	$709	$2,366
37	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	(0.0021)	(0.0011)	(0.0013)	(0.0015)
38	Billed S.C. DERP avoided cost revenue	L4 * L37 / 100	(11,086)	(5,568)	(10,487)	(27,141)
39	S.C. DERP avoided cost (over)/under recovery [See footnote]	L38 - L36	12,082	6,229	11,196	29,507
40	Adjustment	Input				
41	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 + L40	**$12,082**	**$6,229**	**$11,196**	**$29,507**
Distributed Energy Resource Program component of recovery: incremental costs						
42	Incurred S.C. DERP incremental expense	Input	$243,172	$161,330	$173,027	$577,529
43	Billed S.C. DERP incremental rates ($/account)	Input	$0.67	$1.83	$80.41	
44	Billed S.C. DERP incremental revenue	Input	321,160	131,438	126,010	578,608
45	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L42	(77,988)	29,892	47,017	(1,079)
46	Adjustment	Input				
47	Total S.C. DERP incremental (over)/under recovery [See footnote]	L45 + L46	**($77,988)**	**$29,892**	**$47,017**	**($1,079)**
48	Total S.C. Retail (over)/under recovery [See footnote]	L20 + L27 + L34 + L41 + L47	**$1,515,977**	**$1,709,267**	**$2,707,925**	**$5,933,169**

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Duke Energy Carolinas

(Over) / Under Recovery of Fuel Costs
June 2017

Line No.	Year 2016-2017 (over)/under recovery	Cumulative	Residential	Commercial	Industrial	Total Company
_/1	Balance ending May 2016	($40,079,251)				
	June 2016 - actual	(39,387,225)	$105,180	$263,872	$322,974	$692,026
	July 2016 - actual	(33,662,609)	2,011,460	1,613,946	2,099,210	5,724,616
	August 2016 - actual	(32,347,863)	435,366	411,091	468,289	1,314,746
	September 2016 - actual	(37,156,656)	(1,704,788)	(1,284,458)	(1,819,547)	(4,808,793)
	October 2016 - actual	(34,860,318)	570,224	628,686	1,097,428	2,296,338
_/2	November 2016 - actual	(29,994,360)	1,040,510	1,319,944	2,505,504	4,865,958
	December 2016 - actual	(21,804,324)	2,433,081	2,143,905	3,613,050	8,190,036
	January 2017 - actual	(15,455,495)	1,924,735	1,744,099	2,679,995	6,348,829
	February 2017 - actual	(13,640,089)	260,616	543,104	1,011,686	1,815,406
	March 2017 - actual	(6,996,989)	1,679,411	1,831,008	3,132,681	6,643,100
	April 2017 - actual	(7,320,215)	(232,577)	(7,732)	(82,917)	(323,226)
	May 2017 - actual	1,271,719	2,307,359	2,636,042	3,648,533	8,591,934
	June 2017 - actual	7,204,888	1,515,977	1,709,267	2,707,925	5,933,169
	July 2017 - forecast	16,550,100	4,823,815	2,096,981	2,424,416	9,345,212
	August 2017 - forecast	25,202,902	4,431,474	1,963,219	2,258,109	8,652,802
	September 2017 - forecast	$27,868,058	$1,155,502	$684,963	$824,691	2,665,156

Notes:

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

Presentation of over or under collected amounts reflects a regulatory asset or liability. Over collections, or regulatory liabilities, are shown as negative amounts. Under collections, or regulatory assets, are shown as positive amounts.

_/1 May 2016 ending balance reflects adjustments pursuant to the docket no. 2016-3-E directive. The total adjustment of $945,213 was made to the May ending balance and includes true up in June to agree to the settlement.

_/2 Includes prior period adjustments.

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DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
JUNE 2017

Description	Allen	Belews Creek	Buck	Catawba	Cliffside	Dan River	Lee	Lincoln	Marshall	McGuire	Mill Creek	Oconee	Rockingham	Current Month	Total 12 ME June 2017
	Steam	Steam	CC	Nuclear	Steam	CC	Steam/CT	CT	Steam	Nuclear	CT	Nuclear	CT		
Cost of Fuel Purchased ($)															
Coal	$1,963,139	$25,254,301			$16,890,133				$16,781,423					$60,888,996	$726,637,253
Oil	66,871	261,878	-		150,982	-	-	48	319,856		-		-	799,635	14,062,239
Gas - CC			$10,482,522			$10,839,828								21,322,350	247,475,628
Gas - CT							$299,518	$4,511			$1,970		$933,444	1,239,444	41,836,892
Gas - Steam							194,675							194,675	8,172,368
Total	$2,030,009	$25,516,179	$10,482,522		$17,041,115	$10,839,828	$494,193	$4,559	$17,101,280		$1,970		$933,444	$84,445,099	$1,038,184,381
Average Cost of Fuel Purchased (¢/MBTU)															
Coal	336.99	293.79			318.20	-			307.46					305.29	322.69
Oil	974.61	1,182.22			1,121.91		-	-	1,303.51		-		-	1,193.33	1,163.78
Gas - CC			354.42			354.10								354.26	359.18
Gas - CT							365.95	5,191.59			1,813.53		350.46	355.76	341.96
Gas - Steam							364.71							364.71	357.56
Weighted Average	344.41	296.07	354.42		244.28	354.10	365.46	5,247.02	311.91		1,813.53		350.46	319.48	335.10
Cost of Fuel Burned ($)															
Coal	$1,473,267	$32,088,130			$14,785,884	-	-		$25,706,602					$74,053,883	$861,986,357
Oil - CC			-			-								-	-
Oil - Steam/CT	78,264	245,993			155,261		$17,748	-	278,258		-		-	775,525	14,479,512
Gas - CC			$10,482,522			$10,839,828								21,322,350	247,475,628
Gas - CT							$299,518	$4,511			$1,970		$933,444	1,239,444	41,836,892
Gas - Steam							194,675							194,675	8,172,368
Nuclear				$11,363,947						$11,954,740		$12,603,301		35,921,988	433,455,618
Total	1,551,532	$32,334,123	$10,482,522	$11,363,947	14,941,145	$10,839,828	$511,941	$4,511	$25,984,860	$11,954,740	$1,970	$12,603,301	$933,444	$133,507,864	$1,607,406,375
Average Cost of Fuel Burned (¢/MBTU)															
Coal	370.43	300.52			319.01		-		314.11					309.93	336.25
Oil - CC														-	-
Oil - Steam/CT	1,144.05	1,362.69			1,212.69		1,880.08	-	1,133.99		-		-	1,227.52	1,270.35
Gas - CC			354.42			354.10								354.26	359.18
Gas - CT							365.95	5,191.59			1,813.53		350.46	355.76	341.96
Gas - Steam							364.71							364.71	357.56
Nuclear				67.35						70.22		66.58		68.00	71.24
Weighted Average	383.52	302.32	354.42	67.35	321.47	354.10	375.96	5,191.59	316.56	70.22	1,813.53	66.58	350.46	160.46	169.31
Average Cost of Generation (¢/kWh)															
Coal	4.61	2.78			2.80	-	-	-	2.95					2.86	3.14
Oil - CC			-			-								-	-
Oil - Steam/CT	12.12	12.72			10.65	-	18.67	-	10.75		-		-	11.54	13.23
Gas - CC			2.48			2.52								2.50	2.54
Gas - CT							3.65	(0.66)					4.06	4.13	3.83
Gas - Steam							6.10	-						6.10	4.38
Nuclear				0.68						0.70		0.68		0.69	0.72
Weighted Average	4.76	2.79	2.48	0.68	2.82	2.52	4.45	(0.66)	2.98	0.70		0.68	4.06	1.52	1.62
Burned MBTU's															
Coal	397,713	10,677,372			4,634,969		-		8,183,922					23,893,976	256,354,450
Oil - CC														-	-
Oil - Steam/CT	6,841	18,052			12,803		944	-	24,538		-		-	63,178	1,139,804
Gas - CC			2,957,642			3,061,232								6,018,874	68,901,098
Gas - CT							81,846	87			109		266,348	348,390	12,234,268
Gas - Steam							53,378							53,378	2,285,611
Nuclear				16,873,364						17,024,206		18,929,397		52,826,967	608,470,866
Total	404,554	10,695,424	2,957,642	16,873,364	4,647,772	3,061,232	136,168	87	8,208,460	17,024,206	109	18,929,397	266,348	83,204,763	949,386,097
Net Generation (mWh)															
Coal	31,979	1,155,054			527,931				870,157					2,585,122	27,437,407
Oil - CC														-	-
Oil - Steam/CT	646	1,934			1,458	-	95	-	2,588		-		-	6,720	109,444
Gas - CC			422,992			429,690	-							852,682	9,736,799
Gas - CT							8,217	(686)			(520)		22,998	30,009	1,092,314
Gas - Steam							3,191							3,191	186,617
Nuclear 100%				1,670,040						1,698,398		1,861,314		5,229,752	60,293,951
Hydro (Total System)														61,232	421,543
Solar (Total System)														15,144	56,784
Total	32,625	1,156,988	422,992	1,670,040	529,389	429,690	11,503	(686)	872,745	1,698,398	(520)	1,861,314	22,998	8,783,852	99,334,859
Cost of Reagents Consumed ($)															
Ammonia		$63,983	$13,743		$121,080	$11,667								$210,473	$4,987,779
Limestone	$36,866	704,956			553,352				$546,631					1,841,806	19,282,120
Sorbents	-	126,228							75,921					202,149	2,381,892
Urea	-								55,292					55,292	1,051,280
Activated Carbon	-								-					-	11,100
Total	$36,866	$895,167	$13,743		674,433	$11,667			$677,844					$2,309,720	$27,714,171

Notes:
Detail amounts may not add to totals shown due to rounding.
Data is reflected at 100% ownership.
Schedule excludes in-transit and terminal activity.
Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.
Fuel cost information on this report does not reflect intercompany sharing of fuel-related merger savings between Duke Energy Carolinas and Duke Energy Progress.

Exhibit A
Schedule 5

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DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT
JUNE 2017

Description	Allen Steam	Belews Creek Steam	Buck CC	Cliffside Steam	Dan River CC	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	Rockingham CT	Current Month	Total 12 ME June 2017
Coal Data:												
Beginning balance	405,139	1,098,732		435,747		-		1,051,927			2,991,545	4,106,506
Tons received during period	23,716	344,198		217,023				215,041			799,978	9,142,723
Inventory adjustments	(722)	(170)		2,624		-		2,159			3,891	71,184
Tons burned during period	18,078	428,190		188,343		-		330,336			964,947	10,489,945 **[1]**
Ending balance	410,055	1,014,571		467,051		-		938,791			2,830,467	2,830,467
MBTUs per ton burned	22.00	24.94		24.61		-		24.77			24.76	24.44
Cost of ending inventory ($/ton)	77.75	74.95		78.06		-		77.64			76.76	76.76
Oil Data:												
Beginning balance	91,725	213,308	-	221,122	-	515,542	9,681,922	173,048	3,558,047	2,824,039	17,278,753	17,301,871
Gallons received during period	44,478	172,223	-	97,404	-	-	-	214,926	-	-	529,031	8,576,380
Miscellaneous use and adjustments	-	(52,151)	-	(4,761)	-	-	-	-	-	-	(57,524)	(302,515)
Gallons burned during period	49,698	131,230		92,890	-	6,892	-	178,010	-	-	458,108	8,283,584
Ending balance	86,505	202,150	-	220,875	-	508,650	9,681,922	209,964	3,558,047	2,824,039	17,292,152	17,292,152
Cost of ending inventory ($/gal)	1.57	1.59	-	1.72	-	2.58	1.92	1.56	2.68	1.95	2.08	2.08
Gas Data:												
Beginning balance												
MCF received during period			2,833,877		2,956,581	130,963	84		105	258,056	6,179,665	80,342,869
MCF burned during period			2,833,877		2,956,581	130,963	84		105	258,056	6,179,665	80,342,869
Ending balance												
Limestone Data:												
Beginning balance	26,193	47,462		32,141				74,704			180,500	176,281
Tons received during period	-	6,846		14,237				26,399			47,482	539,248
Inventory adjustments	-	-		-				-			-	(4,826)
Tons consumed during period	973	19,444		12,422				16,678			49,517	532,238
Ending balance	25,220	34,864		33,956				84,425			178,465	178,465
Cost of ending inventory ($/ton)	37.89	34.37		35.25				32.78			34.28	34.28

	Qtr Ending June 2017	Total 12 ME June 2017
Ammonia Data:		
Beginning balance	1,207	1,212
Tons received during period	2,069	7,139
Tons consumed during period	1,794	6,869
Ending balance	1,482	1,482
Cost of ending inventory ($/ton)	557.75	557.75

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit and terminal activity.
Gas is burned as received; therefore, inventory balances are not maintained.
[1] The twelve months ended coal tons burned during the period includes an adjustment to reflect 327 tons burned for Allen Steam recorded in May 2017.

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DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASED
JUNE 2017

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	-	-	-
	CONTRACT	23,716	$ 1,684,607	$ 71.03
	ADJUSTMENTS	-	278,532	-
	TOTAL	23,716	1,963,139	82.78
BELEWS CREEK	SPOT	107,591	8,248,674	76.67
	CONTRACT	236,607	16,910,607	71.47
	ADJUSTMENTS	-	95,020	-
	TOTAL	344,198	25,254,301	73.37
CLIFFSIDE	SPOT	101,460	7,236,414	71.32
	CONTRACT	115,563	8,294,600	71.78
	ADJUSTMENTS	-	1,359,119	-
	TOTAL	217,023	16,890,133	77.83
MARSHALL	SPOT	12,036	924,410	76.80
	CONTRACT	211,933	15,472,549	73.01
	ADJUSTMENTS	(8,929)	384,465	(43.06)
	TOTAL	215,041	16,781,423	78.04
ALL PLANTS	SPOT	221,087	16,409,498	74.22
	CONTRACT	587,819	42,362,363	72.07
	ADJUSTMENTS	(8,929)	2,117,136	(237.11)
	TOTAL	799,978	$ 60,888,996	$ 76.11

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DUKE ENERGY CAROLINAS

ANALYSIS OF COAL QUALITY RECEIVED

JUNE 2017

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ALLEN	6.80	10.54	12,282	1.02
BELEWS CREEK	6.74	10.09	12,487	1.47
CLIFFSIDE	9.16	8.42	12,229	2.18
MARSHALL	6.33	9.46	12,691	1.75

Exhibit A
Schedule 9

DUKE ENERGY CAROLINAS
ANALYSIS OF OIL PURCHASED
JUNE 2017

	ALLEN	BELEWS CREEK	CLIFFSIDE
VENDOR	HighTowers	HighTowers	HighTowers
SPOT/CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	44,478	172,223	97,404
TOTAL DELIVERED COST	$ 66,871	$ 261,878	$ 150,982
DELIVERED COST/GALLON	$ 1.50	$ 1.52	$ 1.55
BTU/GALLON	137,650	137,560	137,813

	LINCOLN	MARSHALL
VENDOR	HighTowers	HighTowers
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	-	214,926
TOTAL DELIVERED COST	$ 48	$ 319,856
DELIVERED COST/GALLON	$ -	$ 1.49
BTU/GALLON	-	137,847

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2016 - June, 2017
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Oconee 1	6,834,793	847	92.12	91.56
Oconee 2	7,561,119	848	101.79	99.99
Oconee 3	7,607,389	859	101.10	99.99
McGuire 1	10,334,422	1,158	101.88	99.97
McGuire 2	9,124,834	1,158	89.95	88.84
Catawba 1	9,510,396	1,150	94.41	92.91
Catawba 2	9,320,998	1,150	92.53	91.78

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2016 through June, 2017
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Buck CC	11	1,474,100	183	91.81	94.32
Buck CC	12	1,476,508	182	92.44	94.25
Buck CC	ST10	2,023,555	317	72.89	95.46
Buck CC	Block Total	4,974,163	683	83.19	94.80
Dan River CC	8	1,384,244	179	88.34	89.40
Dan River CC	9	1,391,245	180	88.53	89.70
Dan River CC	ST7	1,987,147	320	70.89	92.41
Dan River CC	Block Total	4,762,636	679	80.16	90.71

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2016 through June, 2017

Baseload Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	5,672,081	1,110	58.33	86.59
Belews Creek 2	5,428,753	1,110	55.83	84.01
Marshall 3	2,819,454	658	48.91	69.74
Marshall 4	3,697,012	660	63.94	83.84

Notes:

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2016 through June, 2017

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 6	4,943,888	844	66.87	84.29
Marshall 1	1,519,865	380	45.66	85.62
Marshall 2	1,166,899	380	35.05	74.16

Notes:

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2016 through June, 2017
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen	1	145,383	165	10.09	78.36
Allen	2	188,480	165	13.08	91.04
Allen	3	352,917	266	15.18	66.57
Allen	4	163,831	279	6.70	60.14
Allen	5	452,370	271	19.09	87.73
Cliffside	5	984,586	555	20.25	90.13
Lee	3	186,617	172	12.42	73.52

Notes:

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
July, 2016 through June, 2017
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Lee CT	70,890	83	89.84
Lincoln CT	9,822	1,376	96.92
Mill Creek CT	90,346	666	96.97
Rockingham CT	932,585	860	90.18

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Carolinas
Power Plant Performance Data

Twelve Month Summary
July, 2016 through June, 2017
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Conventional Hydroelectric Stations:			
Bear Creek	2,988	9.5	34.67
Bridgewater	38,256	31.5	98.76
Bryson	3,316	0.9	75.57
Cedar Cliff	11,335	6.8	99.04
Cedar Creek	100,513	45.0	86.13
Cowans Ford	102,021	324.5	55.02
Dearborn	118,689	42.0	99.33
Fishing Creek	97,920	49.5	93.63
Franklin	2,016	1.0	89.30
Gaston Shoals	5,766	4.5	58.41
Great Falls	72	12.0	98.20
Keowee	34,251	152.0	97.95
Lookout Shoals	70,785	27.5	92.69
Mission	3,360	1.8	73.30
Mountain Island	73,886	62.0	98.90
Nantahala	122,985	50.0	91.01
Ninety-Nine Islands	44,041	12.6	85.85
Oxford	60,389	40.0	49.18
Queens Creek	1,823	1.4	69.97
Rhodhiss	49,362	33.4	97.11
Rocky Creek	-189	14.8	0.00
Tennessee Creek	20,811	9.8	98.90
Thorpe	39,896	19.7	84.35
Tuckasegee	2,840	2.5	93.18
Tuxedo	11,247	6.4	72.85
Wateree	152,105	85.0	92.35
Wylie	86,659	72.0	90.23
Pumped Storage Hydroelectric Stations:			
Gross Generation			
Bad Creek	2,215,821	1,360.0	90.87
Jocassee	1,174,615	780.0	85.83
Energy for Pumping			
Bad Creek	-2,814,867		
Jocassee	-1,411,170		
Net Generation			
Bad Creek	-599,046		
Jocassee	-236,555		

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

Period: June, 2017

Station	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	None					
Catawba	1	None					
	2	None					

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
June 2017

Belews Creek Station

No Outages at Baseload Units During the Month.

Buck Combined Cycle Station

No Outages at Baseload Units During the Month.

Dan River Combined Cycle Station

No Outages at Baseload Units During the Month.

Marshall Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
3	5/29/2017 3:29:00 PM To 6/5/2017 9:45:00 AM	Sch	4560	Generator Vibration	Generator Alignment Adjustment.	
3	6/5/2017 11:40:00 AM To 6/5/2017 2:18:00 PM	Sch	4301	Turbine Governing System	Main Turbine Governor Calibration.	
3	6/19/2017 2:07:00 PM To 6/19/2017 4:30:00 PM	Unsch	1471	Induced Draft Fan Motors - Variable Speed	3B IB Fan Trip- False Bearing Vibration- Low WW Pressure MFT during Runback.	
3	6/19/2017 5:32:00 PM To 6/19/2017 7:22:00 PM	Unsch	1750	Burner Management System	Firing Rate Controller Windup - High WW Temp. MFT.	
3	6/25/2017 3:06:00 AM To 6/26/2017 1:00:00 AM	Unsch	1000	Furnace Wall Leaks	Waterwall Tube leak in Steam Cooled Wall at R7 Retract Soot Blower.	
3	6/29/2017 8:33:00 AM To 6/29/2017 10:42:00 AM	Unsch	3499	Other Feedwater System Problems	BFP Recirculation Valve Misoperation Causing Feedwater Swing-MFT on BCP Low Flow.	

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

June 2017
Oconee Nuclear Station

	Unit 1		Unit 2		Unit 3	
(A) MDC (mW)	847		848		859	
(B) Period Hours	720		720		720	
(C) Net Gen (mWh) and Capacity Factor (%)	617,790	101.30	620,076	101.56	623,448	100.80
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	128	0.02	129	0.02	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-8,078	-1.32	-9,645	-1.58	-4,968	-0.80
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00	0	0.00
(J) Net mWh Possible in Period	609,840	100.00%	610,560	100.00%	618,480	100.00%
(K) Equivalent Availability (%)		99.98		99.98		100.00
(L) Output Factor (%)		101.30		101.56		100.80
(M) Heat Rate (BTU/NkWh)		10,211		10,177		10,122

* Estimate
FOOTNOTE: D and F Include Ramping Losses

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

June 2017
McGuire Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	1158		1158	
(B) Period Hours	720		720	
(C) Net Gen (mWh) and Capacity Factor (%)	846,245	101.50	852,153	102.21
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	31	0.00	0	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-12,516	-1.50	-18,393	-2.21
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	833,760	100.00%	833,760	100.00%
(K) Equivalent Availability (%)		99.99		100.00
(L) Output Factor (%)		101.50		102.21
(M) Heat Rate (BTU/NkWh)		10,054		9,993

* Estimate
FOOTNOTE: D and F Include Ramping Losses

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

June 2017
Catawba Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	1160		1150	
(B) Period Hours	720		720	
(C) Net Gen (mWh) and Capacity Factor (%)	840,003	100.58	830,037	100.25
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	0	0.00	383	0.05
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-4,803	-0.58	-2,420	-0.30
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	835,200	100.00%	828,000	100.00%
(K) Equivalent Availability (%)		99.84		99.95
(L) Output Factor (%)		100.58		100.25
(M) Heat Rate (BTU/NkWh)		10,127		10,080

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
June 2017

Belews Creek Station

	Unit 1	Unit 2
(A) MDC (mW)	1,110	1,110
(B) Period Hrs	720	720
(C) Net Generation (mWh)	644,401	512,587
(D) Capacity Factor (%)	80.63	64.14
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	19,440	0
(H) Scheduled Derates: percent of Period Hrs	2.43	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	373	4,454
(L) Forced Derates: percent of Period Hrs	0.05	0.56
(M) Net mWh Not Generated due to Economic Dispatch	134,986	282,159
(N) Economic Dispatch: percent of Period Hrs	16.89	35.31
(O) Net mWh Possible in Period	799,200	799,200
(P) Equivalent Availability (%)	97.52	99.44
(Q) Output Factor (%)	80.63	77.73
(R) Heat Rate (BTU/NkWh)	9,150	9,362

Notes:

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- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.
- (R) Includes Light Off BTU's

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
June 2017

Buck Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	191	190	317	697
(B) Period Hrs	720	720	720	720
(C) Net Generation (mWh)	123,979	124,111	174,902	422,992
(D) Capacity Factor (%)	90.30	90.82	76.68	84.25
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	9,144	8,496	3,456	21,096
(H) Scheduled Derates: percent of Period Hrs	6.66	6.22	1.52	4.20
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	4,181	4,049	49,738	57,968
(N) Economic Dispatch: percent of Period Hrs	3.05	2.96	21.81	11.55
(O) Net mWh Possible in Period	137,304	136,656	228,096	502,056
(P) Equivalent Availability (%)	93.34	93.78	98.48	95.80
(Q) Output Factor (%)	90.30	90.82	76.68	84.25
(R) Heat Rate (BTU/NkWh)	10,620	10,332	2,010	6,975

Notes:

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- (R) Includes Light Off BTU's

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
June 2017

Dan River Combined Cycle Station

	Unit 8	Unit 9	Unit ST07	Block Total
(A) MDC (mW)	193	193	320	706
(B) Period Hrs	720	720	720	720
(C) Net Generation (mWh)	125,358	124,283	180,049	429,690
(D) Capacity Factor (%)	90.21	89.44	78.15	84.53
(E) Net mWh Not Generated due to Full Scheduled Outages	0	0	0	0
(F) Scheduled Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	15,840	15,840	0	31,680
(H) Scheduled Derates: percent of Period Hrs	11.40	11.40	0.00	6.23
(I) Net mWh Not Generated due to Full Forced Outages	0	0	0	0
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.00	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	0	0	50,351	50,351
(N) Economic Dispatch: percent of Period Hrs	0.00	0.00	21.85	9.91
(O) Net mWh Possible in Period	138,960	138,960	230,400	508,320
(P) Equivalent Availability (%)	88.60	88.60	100.00	93.77
(Q) Output Factor (%)	90.21	89.44	78.15	84.53
(R) Heat Rate (BTU/NkWh)	10,577	10,646	2,159	7,070

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
June 2017

Marshall Station

	Unit 3	Unit 4
(A) MDC (mW)	658	660
(B) Period Hrs	720	720
(C) Net Generation (mWh)	242,650	387,105
(D) Capacity Factor (%)	51.22	81.46
(E) Net mWh Not Generated due to Full Scheduled Outages	71,316	0
(F) Scheduled Outages: percent of Period Hrs	15.05	0.00
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	18,599	0
(J) Forced Outages: percent of Period Hrs	3.93	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	141,194	88,095
(N) Economic Dispatch: percent of Period Hrs	29.80	18.54
(O) Net mWh Possible in Period	473,760	475,200
(P) Equivalent Availability (%)	81.02	100.00
(Q) Output Factor (%)	72.60	81.46
(R) Heat Rate (BTU/NkWh)	9,402	9,203

Notes:

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Duke Energy Carolinas
Intermediate Power Plant Performance Review Plan
June 2017

		Cliffside Station
		Cliffside 6
(A)	**MDC (mW)**	844
(B)	**Period Hrs**	720
(C)	**Net Generation (mWh)**	522,637
(D)	**Net mWh Possible in Period**	607,680
(E)	**Equivalent Availability (%)**	99.66
(F)	**Output Factor (%)**	86.01
(G)	**Capacity Factor (%)**	86.01

Notes:

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Duke Energy Carolinas
Peaking Power Plant Performance
Review Plan
June 2017

		Cliffside Station Unit 5
(A)	**MDC (mW)**	556
(B)	**Period Hrs**	720
(C)	**Net Generation (mWh)**	6,752
(D)	**Net mWh Possible in Period**	400,320
(E)	**Equivalent Availability (%)**	100.00
(F)	**Output Factor (%)**	48.67
(G)	**Capacity Factor (%)**	1.69

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

July 2016 - June 2017
Oconee Nuclear Station

	Unit 1		Unit 2		Unit 3	
(A) MDC (mW)	847		848		859	
(B) Period Hours	8760		8760		8760	
(C) Net Gen (mWh) and Capacity Factor (%)	6,834,793	92.12	7,561,119	101.79	7,607,389	101.10
(D) Net mWh Not Gen due to Full Schedule Outages	606,028	8.17	0	0.00	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	15,244	0.21	611	0.01	621	0.01
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-36,345	-0.50	-133,250	-1.80	-83,170	-1.11
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00	0	0.00
(J) Net mWh Possible in Period	7,419,720	100.00%	7,428,480	100.00%	7,524,840	100.00%
(K) Equivalent Availability (%)		91.56		99.99		99.99
(L) Output Factor (%)		100.31		101.79		101.10
(M) Heat Rate (BTU/NkWh)		10,288		10,153		10,091

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

July 2016 - June 2017
McGuire Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	1158		1158	
(B) Period Hours	8760		8760	
(C) Net Gen (mWh) and Capacity Factor (%)	10,334,422	101.88	9,124,834	89.95
(D) Net mWh Not Gen due to Full Schedule Outages	0	0.00	660,909	6.52
* (E) Net mWh Not Gen due to Partial Scheduled Outages	2,412	0.02	58,025	0.57
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	359,772	3.55
* (G) Net mWh Not Gen due to Partial Forced Outages	-192,754	-1.90	-59,460	-0.59
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	10,144,080	100.00%	10,144,080	100.00%
(K) Equivalent Availability (%)		99.97		88.84
(L) Output Factor (%)		101.88		100.02
(M) Heat Rate (BTU/NkWh)		10,013		10,059

* Estimate
FOOTNOTE: D and F Include Ramping Losses

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

July 2016 - June 2017
Catawba Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	1160		1150	
(B) Period Hours	8760		8760	
(C) Net Gen (mWh) and Capacity Factor (%)	9,510,396	94.41	9,320,998	92.53
(D) Net mWh Not Gen due to Full Schedule Outages	674,270	6.69	797,870	7.92
* (E) Net mWh Not Gen due to Partial Scheduled Outages	67,552	0.67	32,566	0.32
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00
* (G) Net mWh Not Gen due to Partial Forced Outages	-178,958	-1.77	-77,434	-0.77
* (H) Net mWh Not Gen due to Economic Dispatch	0	0.00	0	0.00
* (I) Core Conservation	0	0.00	0	0.00
(J) Net mWh Possible in Period	10,073,260	100.00%	10,074,000	100.00%
(K) Equivalent Availability (%)		92.41		91.78
(L) Output Factor (%)		101.11		100.48
(M) Heat Rate (BTU/NkWh)		10,091		10,018

*** Estimate**
FOOTNOTE: D and F Include Ramping Losses

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
July, 2016 through June, 2017

Belews Creek Station

	Unit 1	Unit 2
(A) MDC (mW)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C) Net Generation (mWh)	5,672,081	5,428,753
(D) Capacity Factor (%)	58.33	55.83
(E) Net mWh Not Generated due to Full Scheduled Outages	775,465	1,290,357
(F) Scheduled Outages: percent of Period Hrs	7.98	13.27
(G) Net mWh Not Generated due to Partial Scheduled Outages	88,210	0
(H) Scheduled Derates: percent of Period Hrs	0.91	0.00
(I) Net mWh Not Generated due to Full Forced Outages	407,536	180,134
(J) Forced Outages: percent of Period Hrs	4.19	1.85
(K) Net mWh Not Generated due to Partial Forced Outages	33,151	84,451
(L) Forced Derates: percent of Period Hrs	0.34	0.87
(M) Net mWh Not Generated due to Economic Dispatch	2,747,157	2,739,905
(N) Economic Dispatch: percent of Period Hrs	28.25	28.18
(O) Net mWh Possible in Period	9,723,600	9,723,600
(P) Equivalent Availability (%)	86.59	84.01
(Q) Output Factor (%)	85.13	82.40
(R) Heat Rate (BTU/NkWh)	9,102	9,179

Notes:

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
July, 2016 through June, 2017

Buck Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	183	182	317	683
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,474,100	1,476,508	2,023,555	4,974,163
(D) Capacity Factor (%)	91.81	92.44	72.89	83.19
(E) Net mWh Not Generated due to Full Scheduled Outages	63,568	64,004	112,153	239,726
(F) Scheduled Outages: percent of Period Hrs	3.96	4.01	4.04	4.01
(G) Net mWh Not Generated due to Partial Scheduled Outages	26,836	24,947	10,144	61,928
(H) Scheduled Derates: percent of Period Hrs	1.67	1.56	0.37	1.04
(I) Net mWh Not Generated due to Full Forced Outages	1,687	3,474	3,857	9,017
(J) Forced Outages: percent of Period Hrs	0.11	0.22	0.14	0.15
(K) Net mWh Not Generated due to Partial Forced Outages	0	0	0	0
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(M) Net mWh Not Generated due to Economic Dispatch	39,411	28,343	626,342	694,096
(N) Economic Dispatch: percent of Period Hrs	2.45	1.77	22.56	11.61
(O) Net mWh Possible in Period	1,605,602	1,597,276	2,776,051	5,978,930
(P) Equivalent Availability (%)	94.32	94.25	95.46	94.80
(Q) Output Factor (%)	95.90	96.62	76.07	86.88
(R) Heat Rate (BTU/NkWh)	10,355	10,220	1,887	6,870

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
July, 2016 through June, 2017

Dan River Combined Cycle Station

	Unit 8	Unit 9	Unit ST07	Block Total
(A) MDC (mW)	179	180	320	679
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,384,244	1,391,245	1,987,147	4,762,636
(D) Capacity Factor (%)	88.34	88.53	70.89	80.16
(E) Net mWh Not Generated due to Full Scheduled Outages	121,879	116,642	202,240	440,761
(F) Scheduled Outages: percent of Period Hrs	7.78	7.42	7.21	7.42
(G) Net mWh Not Generated due to Partial Scheduled Outages	43,320	43,497	0	86,817
(H) Scheduled Derates: percent of Period Hrs	2.76	2.77	0.00	1.46
(I) Net mWh Not Generated due to Full Forced Outages	6,307	7,077	9,125	22,510
(J) Forced Outages: percent of Period Hrs	0.40	0.45	0.33	0.38
(K) Net mWh Not Generated due to Partial Forced Outages	77	53	1,497	1,628
(L) Forced Derates: percent of Period Hrs	0.00	0.00	0.05	0.03
(M) Net mWh Not Generated due to Economic Dispatch	11,176	12,906	603,190	627,273
(N) Economic Dispatch: percent of Period Hrs	0.71	0.82	21.52	10.56
(O) Net mWh Possible in Period	1,567,004	1,571,421	2,803,200	5,941,625
(P) Equivalent Availability (%)	89.40	89.70	92.41	90.71
(Q) Output Factor (%)	96.30	96.10	76.67	86.96
(R) Heat Rate (BTU/NkWh)	10,703	10,670	2,070	7,092

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
July, 2016 through June, 2017

Marshall Station

	Unit 3	Unit 4
(A) MDC (mW)	658	660
(B) Period Hrs	8,760	8,760
(C) Net Generation (mWh)	2,819,454	3,697,012
(D) Capacity Factor (%)	48.91	63.94
(E) Net mWh Not Generated due to Full Scheduled Outages	1,608,459	672,474
(F) Scheduled Outages: percent of Period Hrs	27.90	11.63
(G) Net mWh Not Generated due to Partial Scheduled Outages	22,770	30,681
(H) Scheduled Derates: percent of Period Hrs	0.40	0.53
(I) Net mWh Not Generated due to Full Forced Outages	103,218	115,555
(J) Forced Outages: percent of Period Hrs	1.79	2.00
(K) Net mWh Not Generated due to Partial Forced Outages	9,581	115,655
(L) Forced Derates: percent of Period Hrs	0.17	2.00
(M) Net mWh Not Generated due to Economic Dispatch	1,200,598	1,150,223
(N) Economic Dispatch: percent of Period Hrs	20.83	19.89
(O) Net mWh Possible in Period	5,764,080	5,781,600
(P) Equivalent Availability (%)	69.74	83.84
(Q) Output Factor (%)	78.64	80.18
(R) Heat Rate (BTU/NkWh)	9,388	9,473

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Duke Energy Carolinas
Intermediate Power Plant
Performance Review Plan
July, 2016 through June, 2017

Cliffside Station

Units		**Unit 6**
(A)	**MDC (mW)**	844
(B)	**Period Hrs**	8,760
(C)	**Net Generation (mWh)**	4,943,888
(D)	**Net mWh Possible in Period**	7,393,440
(E)	**Equivalent Availability (%)**	84.29
(F)	**Output Factor (%)**	83.00
(G)	**Capacity Factor (%)**	66.87

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Duke Energy Carolinas
Peaking Power Plant
Performance Review Plan
July, 2016 through June, 2017

Cliffside Station

Units		**Unit 5**
(A)	**MDC (mW)**	555
(B)	**Period Hrs**	8,760
(C)	**Net Generation (mWh)**	984,586
(D)	**Net mWh Possible in Period**	4,861,728
(E)	**Equivalent Availability (%)**	87.59
(F)	**Output Factor (%)**	67.23
(G)	**Capacity Factor (%)**	20.25

Notes:

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Duke Energy Carolinas
Outages for 100 mW or Larger Units
June, 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours		
		Scheduled	Unscheduled	Total
Oconee 1	847	0.00	0.00	0.00
Oconee 2	848	0.00	0.00	0.00
Oconee 3	859	0.00	0.00	0.00
McGuire 1	1,158	0.00	0.00	0.00
McGuire 2	1,158	0.00	0.00	0.00
Catawba 1	1,160	0.00	0.00	0.00
Catawba 2	1,150	0.00	0.00	0.00

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Duke Energy Carolinas
Outages for 100 mW or Larger Units
June 2017

Unit Name	Capacity Rating (mW)	Full Outage Hours Scheduled	Full Outage Hours Unscheduled	Total Outage Hours
Allen Steam 1	167	0.00	0.00	0.00
Allen Steam 2	167	0.00	0.00	0.00
Allen Steam 3	270	15.08	127.08	142.17
Allen Steam 4	282	0.00	0.00	0.00
Allen Steam 5	275	0.00	0.00	0.00
Belews Creek Steam 1	1,110	0.00	0.00	0.00
Belews Creek Steam 2	1,110	0.00	0.00	0.00
Buck CC 11	191	0.00	0.00	0.00
Buck CC 12	190	0.00	0.00	0.00
Buck CC ST10	317	0.00	0.00	0.00
Cliffside Steam 5	556	0.00	0.00	0.00
Cliffside Steam 6	844	0.00	0.00	0.00
Dan River CC 8	193	0.00	0.00	0.00
Dan River CC 9	193	0.00	0.00	0.00
Dan River CC ST7	320	0.00	0.00	0.00
Lee Steam 3	173	42.20	119.18	161.38
Marshall Steam 1	380	0.00	0.00	0.00
Marshall Steam 2	380	0.00	0.00	0.00
Marshall Steam 3	658	108.38	28.27	136.65
Marshall Steam 4	660	0.00	0.00	0.00
Rockingham CT1	179	4.17	0.00	4.17
Rockingham CT2	179	4.17	0.00	4.17
Rockingham CT3	179	4.17	0.00	4.17
Rockingham CT4	179	4.17	0.00	4.17
Rockingham CT5	179	4.17	0.00	4.17

Notes:

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