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January 30, 2018

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 December 2017.

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

Exhibit A
Schedule 1

DUKE ENERGY CAROLINAS
SUMMARY OF MONTHLY FUEL REPORT

Line No.		December 2017
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 144,877,026
	MWH sales:	
2	Total system sales.	7,165,017
3	Less intersystem sales	107,607
4	Total sales less intersystem sales	7,057,411
5	Total fuel and fuel-related costs (¢/KWH) (line 1/line 4)	2.0528
6	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 10 + Line 18)	1.8481
	Generation Mix (MWH):	
	Fossil (by primary fuel type):	
7	Coal	1,917,330
8	Fuel Oil	15,360
9	Natural Gas - Combined Cycle	917,222
10	Natural Gas - Combustion Turbine	10,281
11	Natural Gas - Steam	(588)
12	Biogas	2,219
13	Total fossil	2,861,824
14	Nuclear 100%	5,476,343
15	Hydro - Conventional	80,845
16	Hydro - Pumped storage	(98,943)
17	Total hydro	(18,098)
18	Solar Distributed Generation	8,065
19	Total MWH generation	8,328,134
20	Less joint owners' portion - Nuclear	1,415,865
21	Adjusted total MWH generation	6,912,269

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:	December 2017
Steam Generation - Account 501	
0501110 coal consumed - steam	$ 52,649,662
0501310 fuel oil consumed - steam	894,932
0501330 fuel oil light-off - steam	1,382,016
Total Steam Generation - Account 501	54,926,610
Nuclear Generation - Account 518	
0518100 burnup of owned fuel	25,331,093
Other Generation - Account 547	
0547100, 0547124 natural gas consumed - Combustion Turbine	574,932
0547100, 0547124 natural gas capacity - Combustion Turbine	63,231
0547100 natural gas consumed - Steam	5,225
0547101 natural gas consumed - Combined Cycle	25,268,435
0547101 natural gas capacity - Combined Cycle	2,295,188
0547106,0547107 biogas consumed - Combined Cycle	92,742
0547200 fuel oil consumed - Combustion Turbine	260,174
Total Other Generation - Account 547	28,559,926
Purchased Power and Net Interchange - Account 555	
Fuel and fuel-related component of purchased power	37,025,101
Fuel and fuel-related component of DERP purchases	147
PURPA purchased power capacity	848,469
DERP purchased power capacity	22
Total Purchased Power and Net Interchange - Account 555	37,873,739
Less:	
Fuel and fuel-related costs recovered through intersystem sales	3,676,474
Fuel in loss compensation	40,604
Total Fuel Credits - Account 447	3,717,078
Environmental Costs	
0509000, 0557451 emission allowance expense	828
0502020, 0502030, 0502040, 0502082, 0548020 reagent expense	1,667,318
0502080, 0502083, 0502090, 0502150 sorbent expense	242,317
Emission allowance gains	-
Less reagents expense recovered through intersystem sales - Account 447	276
Less emissions expense recovered through intersystem sales - Account 447	7,451
Total Environmental Component of Recovery	1,902,736
Total Fuel and Fuel-related Costs excluding DERP incremental costs	$ 144,877,026
DERP incremental costs	642,176
Total Fuel and Fuel-related Costs to be Recovered	$ 145,519,202

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

December 2017

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Blue Ridge Electric Membership Corp.	$ 1,265,513	$ 622,441	24,745	$ 643,072	-
City of Kings Mountain	8,979	8,979	-	-	-
Exelon Generation Company, LLC.	4,800	-	150	4,800	-
Haywood Electric	348,133	173,418	7,134	174,715	-
Macquarie Energy, LLC	1,040,832	-	23,590	1,040,832	-
Morgan Stanley Capital Group	8,905	-	370	8,905	-
NCEMC	4,441	4,441	-	-	-
NCMPA	1,590,940	-	50,120	1,590,940	-
Piedmont Electric Membership Corp.	615,581	298,435	11,904	317,146	-
Piedmont Municipal Power Agency	682,354	-	24,457	682,354	-
PJM Interconnection, LLC.	4,222,814	-	135,194	4,222,814	-
South Carolina Electric & Gas Company	44,926	-	-	44,926	-
Southern Company Services, Inc.	72,570	-	7,257	72,570	-
Tennesse Valley Authority	65,150	-	1,725	65,150	-
The Energy Authority	5,082	-	121	5,082	-
Town of Dallas	584	584	-	-	-
Town of Forest City	19,856	19,856	-	-	-
DE Progress - Native Load Transfer	18,253,154	-	638,836	18,241,728	$ 11,426
DE Progress - Native Load Transfer Benefit	2,182,219	-	-	2,182,219	-
DE Progress - Fees	(97,743)	-	-	(97,743)	-
Generation Imbalance	178,709	-	5,376	105,684	73,025
Energy Imbalance - Purchases	180,178	-	4,244	111,224	68,954
Energy Imbalance - Sales	(35,542)	-	-	(33,951)	(1,591)
	$ 30,662,435	**$ 1,128,154**	**935,223**	**$ 29,382,467**	**$ 151,814**
Act 236 PURPA Purchases					
Cherokee County Cogeneration Partners	$ 2,531,291	$ 209,616	59,807	$ 2,321,675	
Renewable Energy	3,545,847	403,935	58,902	3,141,912	
DERP	169	22	3	147	
Other Qualifying Facilities	2,386,108	234,918	44,554	2,082,221	$ 68,969
	$ 8,463,415	**$ 848,491**	**163,266**	**$ 7,545,955**	**$ 68,969**
Other Purchases	**$ 1,204**	**$ -**	**31**	**$ -**	**$ 1,204**
Total Purchased Power	**$ 39,127,054**	**$ 1,976,645**	**1,098,520**	**$ 36,928,422**	**$ 221,987**
Interchanges In					
Other Catawba Joint Owners	8,209,230	-	711,166	4,577,833	3,631,397
Total Interchanges In	8,209,230	-	711,166	4,577,833	3,631,397
Interchanges Out					
Other Catawba Joint Owners	(8,084,073)	(134,209)	(696,349)	(4,481,007)	(3,468,857)
Catawba- Net Negative Generation	-	-	-	-	-
Total Interchanges Out	(8,084,073)	(134,209)	(696,349)	(4,481,007)	(3,468,857)
Net Purchases and Interchange Power	**$ 39,252,211**	**$ 1,842,436**	**1,113,337**	**$ 37,025,248**	**$ 384,527**

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

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DUKE ENERGY CAROLINAS
INTERSYSTEM SALES*
SOUTH CAROLINA

DECEMBER 2017

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Utilities:					
SC Public Service Authority - Emergency	$ 42,099	-	421	$ 13,523	$ 28,576
SC Electric & Gas - Emergency	519	-	-	-	519
Market Based:					
Exelon Generation Company, LLC.	3,900	-	100	4,467	(567)
NCMPA	101,495	$ 87,500	144	13,231	764
PJM Interconnection, LLC.	16	-	-	-	16
SC Electric & Gas	2,550	-	-	-	2,550
Other:					
DE Progress - Native Load Transfer Benefit	299,681	-	-	299,681	-
DE Progress - Native Load Transfer	3,353,580	-	105,880	3,331,360	22,220
Generation Imbalance	32,975	-	1,062	21,939	11,036
BPM Transmission	27,145	-			27,145
Total Intersystem Sales	**$ 3,863,960**	**$ 87,500**	**107,607**	**$ 3,684,201**	**$ 92,259**

* 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
December 2017

Line No.			Residential	Commercial	Industrial	Total
1	Actual System kWh sales	Input				7,057,410,509
2	DERP Net Metered kWh generation	Input				4,379,391
3	Adjusted System kWh sales	L1 + L2				7,061,789,900
4	Actual S.C. Retail kWh sales	Input	547,216,632	433,568,983	708,506,309	1,689,291,924
5	DERP Net Metered kWh generation	Input	3,349,410	617,151	412,830	4,379,391
6	Adjusted S.C. Retail kWh sales	L4 + L5	550,566,042	434,186,134	708,919,139	1,693,671,315
Base fuel component of recovery: non-capacity						
7	Incurred System base fuel - non-capacity expense	Input				$139,767,233
8	Eliminate avoided fuel benefit of S.C. net metering	Input				141,744
9	Adjusted Incurred System base fuel - non-capacity expense	L7 + L8				$139,908,977
10	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L9 / L3 * 100				1.9812
11	S.C. Retail portion of adjusted incurred system expense	L6 * L10 / 100	$10,907,876	$8,602,145	$14,045,186	$33,555,207
12	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	(59,682)	(39,596)	(42,466)	(141,744)
13	S.C. Retail portion of incurred system expense	L11 + L12	$10,848,194	$8,562,549	$14,002,720	$33,413,463
14	Billed base fuel - non-capacity rate (¢/kWh)	Input	1.7270	1.7270	1.7270	1.7270
15	**Billed base fuel - non-capacity revenue**	L4 * L14 / 100	$9,450,431	$7,487,736	$12,235,904	$29,174,071
16	DERP NEM incentive - fuel component	Input	(28,966)	(19,217)	(20,610)	(68,793)
17	Adjusted S.C. billed base fuel - non-capacity revenue	L15 + L16	$9,421,465	$7,468,519	$12,215,294	$29,105,278
		0				
18	S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L17 - L13	$1,426,729	$1,094,030	$1,787,426	$4,308,185
19	Adjustment	Input	-	-	-	-
20	Total S.C. base fuel - non-capacity (over)/under recovery [See footnote]	L18 + L19	$1,426,729	$1,094,030	$1,787,426	$4,308,185
Base fuel component of recovery: capacity						
21	Incurred base fuel - capacity rates by class (¢/kWh)	Input	0.0591	0.0495	0.0325	0.0454
22	Incurred S.C. base fuel - capacity expense	L4 * L21 / 100	$323,209	$214,430	$229,976	$767,615
23	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.1183	0.0959	0.0623	0.0891
24	Billed S.C. base fuel - capacity revenue	L4 * L23 / 100	647,357	415,793	441,399	1,504,549
25	S.C. base fuel - capacity (over)/under recovery [See footnote]	L24 - L22	(324,148)	(201,363)	(211,423)	(736,934)
26	Adjustment	Input	-	-	-	-
27	Total S.C. base fuel - capacity (over)/under recovery [See footnote]	L25 + L26	($324,148)	($201,363)	($211,423)	($736,934)
Environmental component of recovery						
28	Incurred environmental rates by class (¢/kWh)	Input	0.0350	0.0293	0.0193	0.0270
29	Incurred S.C. environmental expense	L4 * L28 / 100	$191,769	$127,227	$136,451	$455,447
30	Billed environmental rates by class (¢/kWh)	Input	0.0331	0.0415	0.0267	0.0326
31	Billed S.C. environmental revenue	L4 * L30 / 100	181,129	179,931	189,171	550,231
32	S.C. environmental (over)/under recovery [See footnote]	L31 - L29	10,640	(52,704)	(52,720)	(94,784)
33	Adjustment	Input	-	-	-	-
34	Total S.C. environmental (over)/under recovery [See footnote]	L32 + L33	$10,640	($52,704)	($52,720)	($94,784)

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Duke Energy Carolinas

(Over) / Under Recovery of Fuel Costs
December 2017

Line No.			Residential	Commercial	Industrial	Total
	Distributed Energy Resource Program component of recovery: avoided costs					
35	Incurred S.C. DERP avoided cost rates by class (¢/kWh)	Input	0.0000	0.0000	0.0000	0.0000
36	Incurred S.C. DERP avoided cost expense	L4 * L35 / 100	$17	$11	$12	$40
37	Billed S.C. DERP avoided cost rates by class (¢/kWh)	Input	(0.0015)	(0.0005)	0.0001	(0.0006)
38	Billed S.C. DERP avoided cost revenue	L4 * L37 / 100	(8,208)	(2,168)	709	(9,667)
39	S.C. DERP avoided cost (over)/under recovery [See footnote]	L38 - L36	8,225	2,179	(697)	9,707
40	Adjustment	Input	-	-	-	-
41	Total S.C. DERP avoided cost (over)/under recovery [See footnote]	L39 + L40	$8,225	$2,179	($697)	$9,707
	Distributed Energy Resource Program component of recovery: incremental costs					
42	Incurred S.C. DERP incremental expense	Input	$270,392	$179,389	$192,395	$642,176
43	Billed S.C. DERP incremental rates ($/account)	Input	$0.06	$1.85	$90.87	
44	Billed S.C. DERP incremental revenue	Input	29,237	135,632	141,669	306,538
45	S.C. DERP incremental (over)/under recovery [See footnote]	L44 - L42	241,155	43,757	50,726	335,638
46	Adjustment	Input	-	-	-	-
47	Total S.C. DERP incremental (over)/under recovery [See footnote]	L45 + L46	$241,155	$43,757	$50,726	$335,638
48	Total S.C. Retail (over)/under recovery [See footnote]	L20 + L27 + L34 + L41 + L47	1,362,601	885,899	1,573,312	3,821,812

Year 2017-2018
Cumulative (over) / under recovery - BASE FUEL NON-CAPACITY

		Cumulative	Residential	Commercial	Industrial	Total Company
_/1	Balance ending May 2017	$7,670,353				
	June 2017 - actual	13,449,460	1,683,035	1,578,049	2,518,023	5,779,107
	July 2017 - actual	24,394,190	3,666,188	2,940,289	4,338,253	10,944,730
	August 2017 - actual	31,753,031	2,416,417	1,967,342	2,975,082	7,358,841
	September 2017 - actual	32,960,962	385,770	328,438	493,723	1,207,931
_/2	October 2017 - actual	35,054,781	580,506	567,122	946,191	2,093,819
_/2	November 2017 - actual	37,180,032	572,446	559,008	993,797	2,125,251
	December 2017 - actual	41,488,217	1,426,729	1,094,030	1,787,426	4,308,185
	January 2018 - forecast	41,087,321	(149,805)	(104,507)	(146,584)	(400,896)
	February 2018 - forecast	37,569,801	(1,250,299)	(809,792)	(1,457,429)	(3,517,520)
	March 2018 - forecast	36,266,021	(425,646)	(317,164)	(560,970)	(1,303,780)
	April 2018 - forecast	32,933,261	(923,165)	(873,777)	(1,535,818)	(3,332,760)
	May 2018 - forecast	34,368,087	364,828	388,181	681,817	1,434,826
	June 2018 - forecast	38,232,897	1,070,233	1,077,224	1,717,353	3,864,810
	July 2018 - forecast	43,820,758	1,800,527	1,508,773	2,278,561	5,587,861
	August 2018 - forecast	46,160,570	729,411	634,345	976,056	2,339,812
	September 2018 - forecast	44,158,003	(605,691)	(542,797)	(854,079)	(2,002,567)

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Duke Energy Carolinas

(Over) / Under Recovery of Fuel Costs
December 2017

Line No.		Residential	Commercial	Industrial	Total

Year 2017-2018

	Cumulative (over) / under recovery - BASE FUEL CAPACITY	**Cumulative**	Residential	Commercial	Industrial	Total Company
_/1	Beginning Balance	792,577				
	June 2017 - actual	570,796	(190,890)	(14,544)	(16,347)	(221,781)
	July 2017 - actual	1,278,825	141,109	267,030	299,890	708,029
	August 2017 - actual	2,002,267	153,106	270,732	299,604	723,442
	September 2017 - actual	2,114,516	(66,180)	80,918	97,511	112,249
_/2	October 2017 - actual	2,645,632	219,532	152,698	158,886	531,116
_/2	November 2017 - actual	2,276,167	(64,714)	(131,148)	(173,603)	(369,465)
	December 2017 - actual	1,539,233	(324,148)	(201,363)	(211,423)	(736,934)
	January 2018 - forecast	1,454,156	(137,509)	(11,414)	63,846	(85,077)
	February 2018 - forecast	1,527,912	(43,971)	75,994	41,733	73,756
	March 2018 - forecast	1,622,577	21,155	50,145	23,365	94,665
	April 2018 - forecast	2,084,470	257,586	112,558	91,749	461,893
	May 2018 - forecast	2,428,912	242,555	63,005	38,882	344,442
	June 2018 - forecast	2,445,744	82,458	(40,148)	(25,478)	16,832
	July 2018 - forecast	2,255,388	(86,290)	(72,321)	(31,745)	(190,356)
	August 2018 - forecast	2,012,430	(88,223)	(93,136)	(61,599)	(242,958)
	September 2018 - forecast	1875003	(26,866)	(65,565)	(44,996)	(137,427)

Year 2017-2018

	Cumulative (over) / under recovery - ENVIRONMENTAL	**Cumulative**	Residential	Commercial	Industrial	Total Company
_/1	Beginning Balance	(2,985,690)				
	June 2017 - actual	(2,638,275)	89,738	109,641	148,036	347,415
	July 2017 - actual	(1,993,245)	197,091	200,248	247,691	645,030
	August 2017 - actual	(1,348,280)	197,709	199,702	247,554	644,965
	September 2017 - actual	(978,949)	93,949	117,186	158,196	369,331
_/2	October 2017 - actual	(884,259)	47,728	14,743	32,219	94,690
_/2	November 2017 - actual	(1,043,811)	14,131	(77,957)	(95,726)	(159,552)
	December 2017 - actual	(1,138,595)	10,640	(52,704)	(52,720)	(94,784)
	January 2018 - forecast	(1,015,938)	80,659	3,509	38,489	122,657
	February 2018 - forecast	(929,635)	71,349	14,562	392	86,303
	March 2018 - forecast	(953,824)	37,958	(24,541)	(37,606)	(24,189)
	April 2018 - forecast	(1,040,732)	36,790	(54,579)	(69,119)	(86,908)
	May 2018 - forecast	(1,030,229)	87,513	(32,111)	(44,899)	10,503
	June 2018 - forecast	(922,924)	129,592	(15,446)	(6,841)	107,305
	July 2018 - forecast	(752,772)	133,549	7,096	29,507	170,152
	August 2018 - forecast	(670,201)	106,078	(20,405)	(3,102)	82,571
	September 2018 - forecast	(741,936)	44,103	(62,232)	(53,606)	(71,735)

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Duke Energy Carolinas

(Over) / Under Recovery of Fuel Costs
December 2017

Line No.			Residential	Commercial	Industrial	Total
	Year 2017-2018					
	Cumulative (over) / under recovery - DERP AVOIDED COSTS	**Cumulative**	Residential	Commercial	Industrial	Total Company
_/1	Beginning Balance	(235,095)				
	June 2017 - actual	(205,588)	12,082	6,229	11,196	29,507
	July 2017 - actual	(174,160)	14,451	6,265	10,712	31,428
	August 2017 - actual	(146,480)	12,617	5,182	9,881	27,680
	September 2017 - actual	(118,095)	12,017	5,917	10,451	28,385
_/2	October 2017 - actual	(100,558)	8,189	3,920	5,428	17,537
_/2	November 2017 - actual	(92,854)	6,215	2,179	(690)	7,704
	December 2017 - actual	(83,147)	8,225	2,179	(697)	9,707
	January 2018 - forecast	(70,736)	10,595	2,486	(670)	12,411
	February 2018 - forecast	(59,522)	9,814	2,141	(741)	11,214
	March 2018 - forecast	(49,944)	8,206	2,066	(694)	9,578
	April 2018 - forecast	(41,734)	6,762	2,167	(719)	8,210
	May 2018 - forecast	(28,244)	8,554	3,852	1,084	13,490
	June 2018 - forecast	(18,846)	7,593	2,585	(780)	9,398
	July 2018 - forecast	(7,528)	9,416	2,665	(763)	11,318
	August 2018 - forecast	3,959	9,515	2,793	(821)	11,487
	September 2018 - forecast	14,729	8,891	2,690	(811)	10,770
	Cumulative (over) / under recovery - DERP INCREMENTAL COSTS	**Cumulative**	Residential	Commercial	Industrial	Total Company
_/1	Balance ending May 2017	(4,214,128)				
	June 2017 - actual	(4,215,207)	(77,988)	29,892	47,017	(1,079)
	July 2017 - actual	(4,225,083)	(84,042)	27,557	46,609	(9,876)
	August 2017 - actual	(4,177,526)	(59,126)	43,515	63,168	47,557
	September 2017 - actual	(4,162,117)	(73,225)	34,386	54,248	15,409
_/2	October 2017 - actual	(4,033,395)	65,300	25,710	37,712	128,722
_/2	November 2017 - actual	(3,771,761)	209,966	23,706	27,962	261,634
	December 2017 - actual	(3,436,123)	241,155	43,757	50,726	335,638
	January 2018 - forecast	(3,173,282)	203,353	29,366	30,122	262,841
	February 2018 - forecast	(2,869,823)	226,225	37,792	39,442	303,459
	March 2018 - forecast	(2,537,508)	239,202	45,295	47,818	332,315
	April 2018 - forecast	(2,160,870)	263,300	54,895	58,443	376,638
	May 2018 - forecast	(1,779,358)	262,376	57,534	61,602	381,512
	June 2018 - forecast	(1,391,862)	259,736	61,532	66,228	387,496
	July 2018 - forecast	(1,007,538)	254,895	62,185	67,244	384,324
	August 2018 - forecast	(626,221)	255,821	60,130	65,366	381,317
	September 2018 - forecast	(239,100)	263,873	58,888	64,360	387,121

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 2017 ending balance reflects adjustments pursuant to the docket no. 2017-3-E directive. The total adjustment of $(243,702) was made to the May ending balance
_/2 Reflects a prorated rate and prorated allocation factor for periods in which the approved rates changed.

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DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
DECEMBER 2017

Description	Allen Steam	Belews Creek Steam	Buck CC	Catawba Nuclear	Cliffside Steam	Dan River CC	(A) Lee CC	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	Rockingham CT	Current Month	Total 12 ME December 2017
Cost of Fuel Purchased ($)																
Coal	$3,491,030	$17,917,122			$10,506,746					$16,024,592					$47,939,490	$699,021,225
Oil	155,005	712,345	-		1,109,597	-	-	-	-	135,826		-		-	2,112,772	16,508,802
Gas - CC			$13,944,694			$13,110,041	$508,888								27,563,623	259,880,254
Gas - CT								$353,074	$28,362			$41,453		$215,274	638,162	32,948,403
Gas - Steam								5,225							5,225	2,260,982
Biogas			-			269,843	-								269,843	996,324
Total	$3,646,034	$18,629,467	$13,944,694		$11,616,343	$13,379,885	$508,888	$358,298	$28,362	$16,160,417		$41,453		$215,274	$78,529,116	$1,011,615,990
Average Cost of Fuel Purchased (¢/MBTU)																
Coal	265.56	416.84			421.06	-				219.57					311.17	302.53
Oil	1,221.85	1,351.09			1,559.86			-	-	562.75		-		-	1,314.89	1,279.21
Gas - CC			417.46			417.16	540.47								417.32	365.79
Gas - CT								450.78	491.37			48,768.25		457.52	486.28	358.10
Gas - Steam								557.56							557.56	383.71
Biogas			-			1,691.81	-								1,691.81	1,698.33
Weighted Average	274.70	428.16	417.46		452.62	423.60	540.47	452.04	491.37	220.70		48,768.25		457.52	352.27	322.95
Cost of Fuel Burned ($)																
Coal	$1,256,443	$23,366,768			$7,364,944	-	-	-		$20,661,506					$52,649,662	$748,265,630
Oil - CC			-			-	-								-	-
Oil - Steam/CT	179,431	726,942			1,052,541			$107,854	$62,165	318,033		-		$90,155	2,537,121	17,026,058
Gas - CC			$13,944,694			$13,110,041	$508,888								27,563,623	259,880,254
Gas - CT								353,074	28,362			$41,453		215,274	638,162	32,948,403
Gas - Steam								5,225							5,225	2,260,982
Biogas			-			269,843	-								269,843	996,324
Nuclear				$11,745,438							$10,796,340		$12,274,226		34,816,004	421,399,496
Total	$1,435,875	$24,093,710	$13,944,694	$11,745,438	$8,417,486	$13,379,885	$508,888	$466,152	$90,527	$20,979,539	$10,796,340	$41,453	$12,274,226	$305,429	$118,479,641	$1,482,777,147
Average Cost of Fuel Burned (¢/MBTU)																
Coal	308.39	314.18			335.65			-		272.81					298.93	313.88
Oil - CC															-	-
Oil - Steam/CT	1,414.40	1,441.86			1,479.66			1,653.94	1,383.90	1,317.67		-		1,393.65	1,442.73	1,380.20
Gas - CC			417.46			417.16	540.47								417.32	365.79
Gas - CT								450.78	491.37			48,768.25		457.52	486.28	358.10
Gas - Steam								557.56							557.56	383.71
Biogas			-			1,691.81	-								1,691.81	1,698.33
Nuclear				67.35							61.34		62.76		63.77	69.34
Weighted Average	341.78	321.78	417.46	67.35	371.57	423.60	540.47	543.41	881.98	276.12	61.34	48,768.25	62.76	570.67	149.76	159.73
Average Cost of Generation (¢/kWh)								160.45	229.04							
Coal	3.62	2.91			3.33	-	-	-	-	2.41					2.75	2.93
Oil - CC			-			-	-								-	-
Oil - Steam/CT		14.07			13.93	-	-	16.04	22.90	11.70		-		17.31	16.52	18.05
Gas - CC			2.93			3.00	12.50								3.01	2.60
Gas - CT								4.36	(5.48)					6.52	6.21	4.04
Gas - Steam									-							5.64
Biogas			-			12.16	-								12.16	12.18
Nuclear				0.67							0.61		0.63		0.64	0.70
Weighted Average	4.33	2.98	2.93	0.67	3.68	3.05	12.50	5.70	(36.80)	2.44	0.61		0.63	7.99	1.42	1.52
Burned MBTU's																
Coal	407,426	7,437,305			2,194,234			-		7,573,713					17,612,678	238,392,095
Oil - CC															-	-
Oil - Steam/CT	12,686	50,417			71,134			6,521	4,492	24,136		-		6,469	175,855	1,233,592
Gas - CC			3,340,365			3,142,673	94,157								6,577,195	71,046,042
Gas - CT								78,325	5,772			85		47,052	131,234	9,200,933
Gas - Steam								937							937	589,240
Biogas			-			15,950	-								15,950	58,665
Nuclear				17,440,056							17,599,475		19,558,344		54,597,875	607,756,024
Total	420,112	7,487,722	3,340,365	17,440,056	2,265,368	3,158,623	94,157	85,783	10,264	7,597,849	17,599,475	85	19,558,344	53,521	79,111,724	928,276,591

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DUKE ENERGY CAROLINAS
FUEL AND FUEL RELATED COST REPORT
DECEMBER 2017

Description	Allen Steam	Belews Creek Steam	Buck CC	Catawba Nuclear	Cliffside Steam	Dan River CC	(A) Lee CC	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	Rockingham CT	Current Month	Total 12 ME December 2017
Net Generation (mWh)																
Coal	34,698	802,751			221,130					858,751					1,917,330	25,573,401
Oil - CC															-	-
Oil - Steam/CT	(1,541)	5,165			7,554	-	-	672	271	2,718		-		521	15,360	94,323
Gas - CC			475,989			437,160	4,072	-							917,222	10,007,052
Gas - CT								8,090	(517)			(593)		3,301	10,281	815,135
Gas - Steam								(588)							(588)	40,117
Biogas			-			2,219	-								2,219	8,182
Nuclear 100%				1,753,306							1,780,788		1,942,249		5,476,343	60,300,963
Hydro (Total System)															(18,098)	649,863
Solar (Total System)															8,065	125,812
Total	33,157	807,916	475,989	1,753,306	228,684	439,379	4,072	8,174	(246)	861,469	1,780,788	(593)	1,942,249	3,822	8,328,134	97,614,848
Cost of Reagents Consumed ($)																
Ammonia		$429,914	$17,209		$18,888	$7,830									$473,841	$4,227,027
Limestone	$47,907	506,206			182,261					$365,351					1,101,725	18,960,371
Sorbents	-	97,636								144,681					242,317	2,143,644
Urea	-									91,752					91,752	976,445
Re-emission Chemical		-													-	104,561
Dibasic Acid	-														-	-
Activated Carbon	-									-					-	-
Total	$47,907	$1,033,756	$17,209		201,148	$7,830				$601,784					$1,909,635	$26,412,048

(A) Lee CC fuel and fuel related costs represent pre-commercial generation.

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.
Re-emission chemical reagent expense is not recoverable in NC.

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

Description	Allen	Belews Creek	Buck	Cliffside	Dan River	(A) Lee	Lee	Lincoln	Marshall	Mill Creek	Rockingham	Current Month	Total 12 ME December 2017
	Steam	Steam	CC	Steam	CC	CC	Steam/CT	CT	Steam	CT	CT		
Coal Data:													
Beginning balance	230,347	994,260		509,300			-		661,652			2,395,558	2,631,940
Tons received during period	47,224	243,257		141,170					209,605			641,256	9,333,300
Inventory adjustments	4,911	(53,985)		(41,141)			-		84,166			(6,049)	28,512
Tons burned during period	17,057	297,732		89,367			-		304,766			708,921	9,671,909
Ending balance	265,425	885,800		519,962			-		650,657			2,321,844	2,321,844
MBTUs per ton burned	23.89	24.98		24.55			-		24.85			24.84	24.65
Cost of ending inventory ($/ton)	73.66	78.64		82.54			-		67.50			75.82	75.82
Oil Data:													
Beginning balance	88,747	224,522	-	210,172	-	-	494,831	9,663,538	239,707	3,556,564	2,752,168	17,230,249	17,019,263
Gallons received during period	74,775	350,045	-	539,322	-	-	-	-	68,009	-	-	1,032,151	9,270,408
Miscellaneous adjustments	-	(16,725)	-	(6,924)	-	-	-	-	-	-	(2)	(23,314)	(370,956)
Gallons burned during period	91,848	365,551		516,698	-	-	47,599	32,451	175,803	-	46,264	1,276,551	8,956,179
Ending balance	71,674	192,291	-	225,872	-	-	447,232	9,631,087	131,913	3,556,564	2,705,902	16,962,536	16,962,536
Cost of ending inventory ($/gal)	1.95	1.99	-	2.04	-	-	2.27	1.92	1.81	2.68	1.95	2.09	2.09
Natural Gas Data:													
Beginning balance													
MCF received during period			3,256,424		3,070,422	91,883	77,321	5,636		80	46,301	6,548,067	77,908,473
MCF burned during period			3,256,424		3,070,422	91,883	77,321	5,636		80	46,301	6,548,067	77,908,473
Ending balance													
Biogas Data:													
Beginning balance													
MCF received during period			-		15,576	-						15,576	56,802
MCF burned during period			-		15,576	-						15,576	56,802
Ending balance													
Limestone Data:													
Beginning balance	24,278	58,023		29,912					57,193			169,406	162,034
Tons received during period	-	6,913		6,844					5,941			19,697	521,088
Inventory adjustments	-	2,447		1,843					9,057			13,347	13,347
Tons consumed during period	1,226	14,466		4,784					12,653			33,129	527,147
Ending balance	23,052	52,918		33,815					59,538			169,322	169,322
Cost of ending inventory ($/ton)	39.08	33.50		38.10					28.87			33.55	33.55

	Qtr Ending December 2017	Total 12 ME December 2017
Ammonia Data:		
Beginning balance	1,025	1,645
Tons received during period	-	4,216
Tons consumed during period	844	5,680
Ending balance	181	181
Cost of ending inventory ($/ton)	509.51	509.51

(A) Lee CC fuel and fuel related consumpttion represents pre-commercial generation.

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.

Exhibit A
Schedule 6

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DUKE ENERGY CAROLINAS
ANALYSIS OF COAL PURCHASED
DECEMBER 2017

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	23,561	$ 1,546,707	$ 65.65
	CONTRACT	23,663	1,869,798	79.02
	ADJUSTMENTS	-	74,525	-
	TOTAL	47,224	3,491,030	73.92
BELEWS CREEK	SPOT	-	-	-
	CONTRACT	243,257	17,584,446	72.29
	ADJUSTMENTS	-	332,677	-
	TOTAL	243,257	17,917,123	73.66
CLIFFSIDE	SPOT	-	38,018	-
	CONTRACT	141,170	10,135,136	71.79
	ADJUSTMENTS	-	333,592	-
	TOTAL	141,170	10,506,746	74.43
MARSHALL	SPOT	23,828	1,766,755	74.15
	CONTRACT	185,778	13,488,562	72.61
	ADJUSTMENTS	-	769,274	-
	TOTAL	209,605	16,024,591	76.45
ALL PLANTS	SPOT	47,389	3,351,480	70.72
	CONTRACT	593,868	43,077,942	72.54
	ADJUSTMENTS	-	1,510,068	-
	TOTAL	641,256	$ 47,939,490	$ 74.76

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DUKE ENERGY CAROLINAS

ANALYSIS OF COAL QUALITY RECEIVED

DECEMBER 2017

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ALLEN	11.71	9.37	11,523	2.17
BELEWS CREEK	6.38	11.43	12,282	1.07
CLIFFSIDE	9.05	8.15	12,375	1.94
MARSHALL	6.24	10.14	12,541	1.50

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DUKE ENERGY CAROLINAS
ANALYSIS OF OIL PURCHASED
DECEMBER 2017

	ALLEN	BELEWS CREEK
VENDOR	HighTowers	HighTowers
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	74,775	350,045
TOTAL DELIVERED COST	$ 155,005	$ 712,345
DELIVERED COST/GALLON	$ 2.07	$ 2.04
BTU/GALLON	138,120	137,920

	CLIFFSIDE	MARSHALL
VENDOR	HighTowers	HighTowers
SPOT/CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	539,322	68,009
TOTAL DELIVERED COST	$ 1,109,597	$ 135,826
DELIVERED COST/GALLON	$ 2.06	$ 2.00
BTU/GALLON	137,671	137,290

Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January, 2017 - December, 2017
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Oconee 1	7,356,782	847	99.15	97.88
Oconee 2	6,869,615	848	92.48	91.70
Oconee 3	7,572,347	859	100.63	99.62
McGuire 1	9,646,267	1,158	95.09	93.29
McGuire 2	9,149,269	1,158	90.19	88.84
Catawba 1	9,529,305	1,160	93.78	92.93
Catawba 2	10,177,378	1,150	101.03	99.98

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Duke Energy Carolinas
Power Plant Performance Data
Twelve Month Summary
January, 2017 through December, 2017
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Buck CC	11	1,493,396	191	89.40	93.22
Buck CC	12	1,500,270	190	90.23	93.98
Buck CC	ST10	2,125,070	317	76.57	97.08
Buck CC	Block Total	5,118,736	697	83.80	95.18
Dan River CC	8	1,423,272	193	84.18	86.61
Dan River CC	9	1,400,586	193	82.84	85.50
Dan River CC	ST7	2,068,568	320	73.79	93.61
Dan River CC	Block Total	4,892,426	706	79.11	89.48

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
January, 2017 through December, 2017

Baseload Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	3,916,665	1,110	40.28	71.64
Belews Creek 2	5,691,557	1,110	58.53	85.20
Marshall 3	2,990,652	658	51.88	71.93
Marshall 4	4,109,216	660	71.07	86.94

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
January, 2017 through December, 2017

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Cliffside 6	4,975,228	844	67.29	81.55
Marshall 1	1,112,014	380	33.41	68.46
Marshall 2	1,012,767	380	30.42	77.98

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
January, 2017 through December, 2017
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Allen	1	90,728	167	6.20	89.94
Allen	2	81,948	167	5.60	83.11
Allen	3	219,265	270	9.27	60.08
Allen	4	241,693	282	9.78	86.14
Allen	5	360,671	275	14.97	83.90
Cliffside	5	850,562	556	17.46	82.44
Lee	3	40,117	173	2.65	51.65

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
January, 2017 through December, 2017
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Lee CT	87,276	84	92.56
Lincoln CT	17,603	1,488	97.86
Mill Creek CT	46,843	739	94.49
Rockingham CT	678,171	895	88.45

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
January, 2017 through December, 2017
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Conventional Hydroelectric Stations:			
Bear Creek	1,229	9.5	7.24
Bridgewater	51,905	31.5	98.98
Bryson	4,400	0.9	69.09
Cedar Cliff	15,207	6.8	98.43
Cedar Creek	113,070	45.0	98.55
Cowans Ford	120,352	324.0	64.50
Dearborn	135,574	42.0	85.94
Fishing Creek	111,618	50.0	98.35
Franklin	3,044	1.0	72.70
Gaston Shoals	5,789	6.0	56.45
Great Falls	-16	12.0	98.30
Keowee	31,780	152.0	97.78
Lookout Shoals	87,427	27.0	92.95
Mission	3,640	1.8	56.98
Mountain Island	90,428	62.0	98.71
Nantahala	186,479	50.0	91.03
Ninety-Nine Islands	50,585	9.6	90.45
Oxford	59,387	40.0	37.93
Queens Creek	2,822	1.4	94.66
Rhodhiss	61,738	33.4	99.81
Rocky Creek	-164	3.0	0.00
Tennessee Creek	28,960	9.8	95.69
Thorpe	65,193	19.7	94.06
Tuckasegee	4,188	2.5	98.84
Tuxedo	14,694	6.4	68.41
Wateree	170,321	85.0	81.82
Wylie	98,272	72.0	78.92
Pumped Storage Hydroelectric Stations:			
Gross Generation			
Bad Creek	2,237,281	1,360.0	96.05
Jocassee	1,160,560	780.0	88.27
Energy for Pumping			
Bad Creek	-2,855,285		
Jocassee	-1,410,615		
Net Generation			
Bad Creek	-618,004		
Jocassee	-250,055		

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
January, 2017 through December, 2017
Pre-commercial Combined Cycle Units

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months identified, Lee CC produced pre-commercial generation.

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
November 2017					
Lee	11	13.8	n/a	n/a	n/a
Lee	12	1,090.4	n/a	n/a	n/a
Lee	ST10	0.0	n/a	n/a	n/a
Lee	Block Total	1,104.2	n/a	n/a	n/a
December 2017					
Lee	11	2,383.7	n/a	n/a	n/a
Lee	12	584.4	n/a	n/a	n/a
Lee	ST10	0.0	n/a	n/a	n/a
Lee	Block Total	2,968.1	n/a	n/a	n/a
Total		4,072.3			

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

Period: December, 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					

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

Belews Creek Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
1	9/16/2017 12:00:00 AM To 12/14/2017 12:00:00 AM	Sch	1800	Major Boiler Overhaul (720 Hours or Longer)	SSH Inlet and Outlet header replacement/AVR change out/IP turbine rpelacement.	
1	12/26/2017 7:00:00 AM To 12/30/2017 12:18:00 AM	Sch	0500	Main Steam Piping up to Turbine Stop Valves	Planned Turbine screen outage and SD-210 stack check.	
1	12/30/2017 12:29:00 AM To 12/30/2017 1:58:00 AM	Unsch	1760	Feedwater Instrumentation (not Local Controls)	Flash Tank Level ximtter failed causing flank tank to exceed and close startup valves.	

Buck Combined Cycle Station

No Outages at Baseload Units During the Month.

Dan River Combined Cycle Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
8	12/11/2017 4:16:00 PM To 12/14/2017 8:11:00 AM	Sch	5110	Gas Turbine - Lube Oil System - General	Maint Outage - Gas Turbine Lube Oil Change.	
9	12/7/2017 4:24:00 PM To 12/10/2017 8:40:00 AM	Sch	5110	Gas Turbine - Lube Oil System - General	Maint Outage - Gas Turbine Lube Oil Change.	
ST7	12/10/2017 8:41:00 AM To 12/10/2017 9:08:00 AM	Unsch	3150	Hot Well Level Controls	ST7 tripped on high condenser hot well level when 9 Hot Reheat bypass opened.	

Notes:

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

Marshall Station

Unit	Duration of Outage	Type of Outage	Cause of Outage		Reason Outage Occurred	Remedial Action Taken
3	12/31/2017 12:39:00 PM To 1/1/2018 12:00:00 AM	Unsch	1070	Second Reheater Leaks	Low Pressure Reheat Tube Leaks at R5 Retract Soot Blower.	
4	11/25/2017 3:48:00 AM To 12/4/2017 4:00:00 PM	Sch	4260	Turbine Main Stop Valves	Stop Valve Cap Gasket Repairs.	
4	12/8/2017 11:28:00 PM To 12/9/2017 2:14:00 AM	Unsch	8262	Wet Scrubber Booster Id Fan Vibration (specific...	4A FGD Booster Fan Vibration Trip/ Unit Trip During Runback/ High WW Temp.	
4	12/20/2017 11:10:00 PM To 12/22/2017 10:00:00 PM	Sch	1040	First Superheater Leaks	Boiler Leak First Supperheat Header at Inspection Port in Upper Dead Air Space.	

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

December 2017
Oconee Nuclear Station

	Unit 1		Unit 2		Unit 3	
(A) MDC (mW)	847		848		859	
(B) Period Hours	744		744		744	
(C) Net Gen (mWh) and Capacity Factor (%)	642,834	102.01	649,339	102.92	650,076	101.72
(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	57	0.01	0	0.00	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	-12,723	-2.02	-18,427	-2.92	-10,980	-1.72
* (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	630,168	100.00%	630,912	100.00%	639,096	100.00%
(K) Equivalent Availability (%)		99.99		100.00		100.00
(L) Output Factor (%)		102.01		102.92		101.72
(M) Heat Rate (BTU/NkWh)		10,141		10,042		10,028

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

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

December 2017
McGuire Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	1158		1158	
(B) Period Hours	744		744	
(C) Net Gen (mWh) and Capacity Factor (%)	893,116	103.66	887,672	103.03
(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	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	-31,564	-3.66	-26,120	-3.03
* (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	861,552	100.00%	861,552	100.00%
(K) Equivalent Availability (%)		100.00		100.00
(L) Output Factor (%)		103.66		103.03
(M) Heat Rate (BTU/NkWh)		9,853		9,913

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

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

December 2017
Catawba Nuclear Station

	Unit 1		Unit 2	
(A) MDC (mW)	1160		1150	
(B) Period Hours	744		744	
(C) Net Gen (mWh) and Capacity Factor (%)	880,798	102.06	872,508	101.98
(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	229	0.03	397	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	-17,987	-2.09	-17,305	-2.03
* (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	863,040	100.00%	855,600	100.00%
(K) Equivalent Availability (%)		99.97		99.95
(L) Output Factor (%)		102.06		101.98
(M) Heat Rate (BTU/NkWh)		9,984		9,909

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

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

Belews Creek Station

	Unit 1	Unit 2
(A) MDC (mW)	1,110	1,110
(B) Period Hrs	744	744
(C) Net Generation (mWh)	146,735	661,181
(D) Capacity Factor (%)	17.77	80.06
(E) Net mWh Not Generated due to Full Scheduled Outages	445,443	0
(F) Scheduled Outages: percent of Period Hrs	53.94	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	1,647	0
(J) Forced Outages: percent of Period Hrs	0.20	0.00
(K) Net mWh Not Generated due to Partial Forced Outages	6,560	2,732
(L) Forced Derates: percent of Period Hrs	0.79	0.33
(M) Net mWh Not Generated due to Economic Dispatch	225,455	161,927
(N) Economic Dispatch: percent of Period Hrs	27.30	19.61
(O) Net mWh Possible in Period	825,840	825,840
(P) Equivalent Availability (%)	45.07	99.67
(Q) Output Factor (%)	79.98	80.06
(R) Heat Rate (BTU/NkWh)	10,100	9,083

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
December 2017

Buck Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	191	190	317	697
(B) Period Hrs	744	744	744	744
(C) Net Generation (mWh)	136,241	136,824	202,924	475,989
(D) Capacity Factor (%)	96.02	96.89	86.09	91.75
(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	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(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	5,640	4,387	32,775	42,802
(N) Economic Dispatch: percent of Period Hrs	3.98	3.11	13.91	8.25
(O) Net mWh Possible in Period	141,881	141,211	235,699	518,791
(P) Equivalent Availability (%)	100.00	100.00	100.00	100.00
(Q) Output Factor (%)	96.02	96.89	86.09	91.75
(R) Heat Rate (BTU/NkWh)	9,937	9,628	2,433	6,649

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- (R) Includes Light Off BTU's

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

Dan River Combined Cycle Station

	Unit 8	Unit 9	Unit ST07	Block Total
(A) MDC (mW)	193	193	320	706
(B) Period Hrs generation	744	744	744	744
(C) Net Generation (mWh)	126,211	123,348	189,820	439,379
(D) Capacity Factor (%)	87.90	85.90	79.73	83.65
(E) Net mWh Not Generated due to Full Scheduled Outages	12,336	12,403	0	24,739
(F) Scheduled Outages: percent of Period Hrs	8.59	8.64	0.00	4.71
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	0	0	0
(H) Scheduled Derates: percent of Period Hrs	0.00	0.00	0.00	0.00
(I) Net mWh Not Generated due to Full Forced Outages	0	0	144	144
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.06	0.03
(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	5,045	7,841	48,116	61,002
(N) Economic Dispatch: percent of Period Hrs	3.51	5.46	20.21	11.61
(O) Net mWh Possible in Period	143,592	143,592	238,080	525,264
(P) Equivalent Availability (%)	91.41	91.36	99.94	95.26
(Q) Output Factor (%)	96.16	94.02	79.78	87.81
(R) Heat Rate (BTU/NkWh)	10,354	10,639	2,816	7,177

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- (R) Includes Light Off BTU's

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

Pre-Commercial
Lee Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)				
(B) Period Hrs				
(C) Net Generation (mWh)	2,383.7	584.4	0.0	2,968.1
(D) Capacity Factor (%)				
(E) Net mWh Not Generated due to Full Scheduled Outages				
(F) Scheduled Outages: percent of Period Hrs				
(G) Net mWh Not Generated due to Partial Scheduled Outages				
(H) Scheduled Derates: percent of Period Hrs				
(I) Net mWh Not Generated due to Full Forced Outages				
(J) Forced Outages: percent of Period Hrs				
(K) Net mWh Not Generated due to Partial Forced Outages				
(L) Forced Derates: percent of Period Hrs				
(M) Net mWh Not Generated due to Economic Dispatch				
(N) Economic Dispatch: percent of Period Hrs				
(O) Net mWh Possible in Period				
(P) Equivalent Availability (%)				
(Q) Output Factor (%)				
(R) Heat Rate (BTU/NkWh)				

Note: The Power Plant Performance Data reports are limited to capturing data beginning the first full month a station is in commercial operation. During the months identified, Lee CC produced pre-commercial generation.

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

Marshall Station

	Unit 3	Unit 4
(A) MDC (mW)	658	660
(B) Period Hrs	744	744
(C) Net Generation (mWh)	401,623	291,516
(D) Capacity Factor (%)	82.04	59.37
(E) Net mWh Not Generated due to Full Scheduled Outages	0	88,990
(F) Scheduled Outages: percent of Period Hrs	0.00	18.12
(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	7,468	1,826
(J) Forced Outages: percent of Period Hrs	1.53	0.37
(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	80,461	108,708
(N) Economic Dispatch: percent of Period Hrs	16.44	22.14
(O) Net mWh Possible in Period	489,552	491,040
(P) Equivalent Availability (%)	98.47	81.51
(Q) Output Factor (%)	83.31	87.67
(R) Heat Rate (BTU/NkWh)	8,843	8,446

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

Duke Energy Carolinas
Intermediate Power Plant Performance Review Plan
December 2017

		Cliffside Station
		Cliffside 6
(A)	**MDC (mW)**	844
(B)	**Period Hrs**	744
(C)	**Net Generation (mWh)**	97,020
(D)	**Net mWh Possible in Period**	627,936
(E)	**Equivalent Availability (%)**	49.08
(F)	**Output Factor (%)**	68.11
(G)	**Capacity Factor (%)**	15.45

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Duke Energy Carolinas
Peaking Power Plant Performance
Review Plan
December 2017

		Cliffside Station Unit 5
(A)	**MDC (mW)**	556
(B)	**Period Hrs**	744
(C)	**Net Generation (mWh)**	131,664
(D)	**Net mWh Possible in Period**	413,664
(E)	**Equivalent Availability (%)**	91.33
(F)	**Output Factor (%)**	76.46
(G)	**Capacity Factor (%)**	31.83

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

January 2017 - December 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 (%)	7,356,782	99.15	6,869,615	92.48	7,572,347	100.63
(D) Net mWh Not Gen due to Full Schedule Outages	149,806	2.02	606,857	8.17	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	586	0.01	58,918	0.79	320	0.00
(F) Net mWh Not Gen due to Full Forced Outages	0	0.00	0	0.00	25,355	0.34
* (G) Net mWh Not Gen due to Partial Forced Outages	-87,454	-1.18	-106,910	-1.44	-73,182	-0.97
* (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 (%)		97.88		91.70		99.62
(L) Output Factor (%)		101.19		100.70		100.97
(M) Heat Rate (BTU/NkWh)		10,215		10,196		10,101

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

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

January 2017 - December 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 (%)	9,646,267	95.09	9,149,269	90.19
(D) Net mWh Not Gen due to Full Schedule Outages	653,132	6.44	660,909	6.52
* (E) Net mWh Not Gen due to Partial Scheduled Outages	32,443	0.32	58,097	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	-187,762	-1.85	-83,967	-0.83
* (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 (%)		93.29		88.84
(L) Output Factor (%)		101.64		100.28
(M) Heat Rate (BTU/NkWh)		10,002		10,032

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

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Duke Energy Carolinas
Base Load Power Plant Performance Review Plan

January 2017 - December 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 (%)	9,529,305	93.78	10,177,378	101.03
(D) Net mWh Not Gen due to Full Schedule Outages	674,270	6.64	0	0.00
* (E) Net mWh Not Gen due to Partial Scheduled Outages	67,878	0.67	2,152	0.02
(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	-109,853	-1.09	-105,530	-1.05
* (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	10,161,600	100.00%	10,074,000	100.00%
(K) Equivalent Availability (%)		92.43		99.98
(L) Output Factor (%)		100.44		101.03
(M) Heat Rate (BTU/NkWh)		10,075		10,004

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

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 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)	3,916,665	5,691,557
(D) Capacity Factor (%)	40.28	58.53
(E) Net mWh Not Generated due to Full Scheduled Outages	2,542,233	1,339,844
(F) Scheduled Outages: percent of Period Hrs	26.14	13.78
(G) Net mWh Not Generated due to Partial Scheduled Outages	88,210	3,483
(H) Scheduled Derates: percent of Period Hrs	0.91	0.04
(I) Net mWh Not Generated due to Full Forced Outages	95,127	66,341
(J) Forced Outages: percent of Period Hrs	0.98	0.68
(K) Net mWh Not Generated due to Partial Forced Outages	32,404	29,320
(L) Forced Derates: percent of Period Hrs	0.33	0.30
(M) Net mWh Not Generated due to Economic Dispatch	3,048,961	2,593,055
(N) Economic Dispatch: percent of Period Hrs	31.36	26.67
(O) Net mWh Possible in Period	9,723,600	9,723,600
(P) Equivalent Availability (%)	71.64	85.20
(Q) Output Factor (%)	81.70	79.83
(R) Heat Rate (BTU/NkWh)	9,151	9,178

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 2017

Buck Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)	191	190	317	697
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,493,396	1,500,270	2,125,070	5,118,736
(D) Capacity Factor (%)	89.40	90.23	76.57	83.80
(E) Net mWh Not Generated due to Full Scheduled Outages	49,750	40,785	56,116	146,651
(F) Scheduled Outages: percent of Period Hrs	2.98	2.45	2.02	2.40
(G) Net mWh Not Generated due to Partial Scheduled Outages	63,571	59,337	24,215	147,123
(H) Scheduled Derates: percent of Period Hrs	3.81	3.57	0.87	2.41
(I) Net mWh Not Generated due to Full Forced Outages	0	0	713	713
(J) Forced Outages: percent of Period Hrs	0.00	0.00	0.03	0.01
(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	63,815	62,256	569,054	695,125
(N) Economic Dispatch: percent of Period Hrs	3.82	3.74	20.51	11.38
(O) Net mWh Possible in Period	1,670,532	1,662,648	2,775,168	6,108,348
(P) Equivalent Availability (%)	93.22	93.98	97.08	95.18
(Q) Output Factor (%)	92.14	92.60	78.18	85.89
(R) Heat Rate (BTU/NkWh)	10,399	10,174	2,087	6,882

Notes:

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- Footnote: (R) Includes Light Off BTU's

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
January, 2017 through December, 2017

Dan River Combined Cycle Station

	Unit 8	Unit 9	Unit ST07	Block Total
(A) MDC (mW)	193	193	320	706
(B) Period Hrs	8,760	8,760	8,760	8,760
(C) Net Generation (mWh)	1,423,272	1,400,586	2,068,568	4,892,426
(D) Capacity Factor (%)	84.18	82.84	73.79	79.11
(E) Net mWh Not Generated due to Full Scheduled Outages	118,550	137,574	175,349	431,473
(F) Scheduled Outages: percent of Period Hrs	7.01	8.14	6.26	6.98
(G) Net mWh Not Generated due to Partial Scheduled Outages	106,680	105,551	0	212,232
(H) Scheduled Derates: percent of Period Hrs	6.31	6.24	0.00	3.43
(I) Net mWh Not Generated due to Full Forced Outages	669	1,464	1,280	3,413
(J) Forced Outages: percent of Period Hrs	0.04	0.09	0.05	0.06
(K) Net mWh Not Generated due to Partial Forced Outages	560	536	2,620	3,716
(L) Forced Derates: percent of Period Hrs	0.03	0.03	0.09	0.06
(M) Net mWh Not Generated due to Economic Dispatch	40,948	44,970	555,383	641,301
(N) Economic Dispatch: percent of Period Hrs	2.42	2.66	19.81	10.37
(O) Net mWh Possible in Period	1,690,680	1,690,680	2,803,200	6,184,560
(P) Equivalent Availability (%)	86.61	85.50	93.61	89.48
(Q) Output Factor (%)	90.65	90.26	78.76	85.11
(R) Heat Rate (BTU/NkWh)	10,616	10,656	2,304	7,113

Notes:

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Duke Energy Carolinas
Base Load Power Plant
Performance Review Plan
January 2017 through December 2017

Pre-Commercial
Lee Combined Cycle Station

	Unit 11	Unit 12	Unit ST10	Block Total
(A) MDC (mW)				
(B) Period Hrs				
(C) Net Generation (mWh)	2,397.5	1,674.8	0.0	4,072.3
(D) Capacity Factor (%)				
(E) Net mWh Not Generated due to Full Scheduled Outages				
(F) Scheduled Outages: percent of Period Hrs				
(G) Net mWh Not Generated due to Partial Scheduled Outages				
(H) Scheduled Derates: percent of Period Hrs				
(I) Net mWh Not Generated due to Full Forced Outages				
(J) Forced Outages: percent of Period Hrs				
(K) Net mWh Not Generated due to Partial Forced Outages				
(L) Forced Derates: percent of Period Hrs				
(M) Net mWh Not Generated due to Economic Dispatch				
(N) Economic Dispatch: percent of Period Hrs				
(O) Net mWh Possible in Period				
(P) Equivalent Availability (%)				
(Q) Output Factor (%)				
(R) Heat Rate (BTU/NkWh)				

Note: The Power Plant Performance Data reports is limited to capturing data beginning the first full month a station is in commercial operation. During the months identified Lee CC produced pre-commercial generation.

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Duke Energy Carolinas
Base Load Power Plant
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Marshall Station

	Unit 3	Unit 4
(A) MDC (mW)	658	660
(B) Period Hrs	8,760	8,760
(C) Net Generation (mWh)	2,990,652	4,109,216
(D) Capacity Factor (%)	51.88	71.07
(E) Net mWh Not Generated due to Full Scheduled Outages	1,483,615	651,596
(F) Scheduled Outages: percent of Period Hrs	25.74	11.27
(G) Net mWh Not Generated due to Partial Scheduled Outages	0	29,271
(H) Scheduled Derates: percent of Period Hrs	0.00	0.51
(I) Net mWh Not Generated due to Full Forced Outages	132,675	32,626
(J) Forced Outages: percent of Period Hrs	2.30	0.56
(K) Net mWh Not Generated due to Partial Forced Outages	1,469	41,316
(L) Forced Derates: percent of Period Hrs	0.03	0.71
(M) Net mWh Not Generated due to Economic Dispatch	1,155,670	917,575
(N) Economic Dispatch: percent of Period Hrs	20.05	15.87
(O) Net mWh Possible in Period	5,764,080	5,781,600
(P) Equivalent Availability (%)	71.93	86.94
(Q) Output Factor (%)	77.52	81.70
(R) Heat Rate (BTU/NkWh)	9,340	9,345

Notes:

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Duke Energy Carolinas
Intermediate Power Plant
Performance Review Plan
January, 2017 through December, 2017

Cliffside Station

Units		Unit 6
(A)	**MDC (mW)**	844
(B)	**Period Hrs**	8,760
(C)	**Net Generation (mWh)**	4,975,228
(D)	**Net mWh Possible in Period**	7,393,440
(E)	**Equivalent Availability (%)**	81.55
(F)	**Output Factor (%)**	86.99
(G)	**Capacity Factor (%)**	67.29

Notes:

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Duke Energy Carolinas
Peaking Power Plant
Performance Review Plan
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Cliffside Station

Units		Unit 5
(A)	**MDC (mW)**	556
(B)	**Period Hrs**	8,760
(C)	**Net Generation (mWh)**	850,562
(D)	**Net mWh Possible in Period**	4,870,560
(E)	**Equivalent Availability (%)**	81.54
(F)	**Output Factor (%)**	69.07
(G)	**Capacity Factor (%)**	17.46

Notes:

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

Unit Name	Capacity Rating (mW)	Full Outage Hours Scheduled	Full Outage Hours Unscheduled	Total Outage Hours
Allen Steam 1	167	336.00	0.00	336.00
Allen Steam 2	167	336.00	29.62	365.62
Allen Steam 3	270	454.00	0.00	454.00
Allen Steam 4	282	336.00	33.83	369.83
Allen Steam 5	275	687.50	0.00	687.50
Belews Creek Steam 1	1,110	401.30	1.48	402.78
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	64.02	64.02
Cliffside Steam 6	844	84.00	283.02	367.02
Dan River CC 8	193	63.92	0.00	63.92
Dan River CC 9	193	64.27	0.00	64.27
Dan River CC ST7	320	0.00	0.45	0.45
Lee Steam 3	173	0.00	744.00	744.00
Marshall Steam 1	380	453.82	0.00	453.82
Marshall Steam 2	380	0.00	0.00	0.00
Marshall Steam 3	658	0.00	11.35	11.35
Marshall Steam 4	660	134.83	2.77	137.60
Rockingham CT1	179	737.98	0.00	737.98
Rockingham CT2	179	51.00	0.00	51.00
Rockingham CT3	179	38.37	0.00	38.37
Rockingham CT4	179	20.23	0.00	20.23
Rockingham CT5	179	703.85	0.00	703.85

Notes:

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