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March 31, 2017

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Mrs. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of February 2017.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	February 2017
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 97,793,261
	MWH sales:	5,132,722
2	Total System Sales	586,670
3	Less intersystem sales	
		4,546,052
4	Total sales less intersystem sales	
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.1512
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.3584
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	319,214
8	Oil	4,483
9	Natural Gas - Combustion Turbine	190,929
10	Natural Gas - Combined Cycle	1,677,432
11	Total Fossil	2,192,058
12	Nuclear	2,301,115
13	Hydro - Conventional	27,477
14	Solar Distributed Generation	22,285
15	Total MWH generation	4,542,935

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

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		February 2017
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam		11,053,192
0501310 fuel oil consumed - steam		587,981
Total Steam Generation - Account 501		11,641,173
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		15,738,322
0518600 - Disposal Cost		-
Total Nuclear Generation - Account 518		15,738,322
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		8,429,794
0547000 natural gas consumed - Combined Cycle		50,484,077
0547200 fuel oil consumed		223,198
Total Other Generation - Account 547		59,137,069
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		20,945,431
PURPA purchased power capacity		3,552,185
Total Purchased Power and Net Interchange - Account 555		24,497,616
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		13,600,363
Total Costs Included in Base Fuel Component	$	97,413,818
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	3,397
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		556,707
Emission Allowance Gains		(157,500)
Less reagents expense recovered through intersystem sales - Account 447		10,598
Less emissions expense recovered through intersystem sales - Account 447		12,563
Total Costs Included in Environmental Component		379,443
Fuel and Fuel-related Costs excluding DERP incremental costs	$	97,793,261
DERP Incremental Costs		118,205
Total Fuel and Fuel-related Costs	$	97,911,466

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

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

FEBRUARY 2017

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 3,505,887	$ 2,271,867	20,292	$ 1,234,020	-
City of Fayetteville	1,084,333	1,071,525	-	12,808	-
Haywood EMC	29,850	29,850	-	-	-
NCEMC	3,499,612	3,208,857	6,777	290,755	-
PJM Interconnection, LLC.	66,530	-	2,653	66,530	-
Smurfit Stone Container Corp	13,675	-	459	13,675	-
Southern Company Services	4,365,753	1,323,504	98,577	3,042,249	-
DE Carolinas - Native Load Transfer	989,605	-	36,982	990,042	$ (437)
DE Carolinas - Native Load Transfer Benefit	84,060	-	-	84,060	-
Generation Imbalance	5,545		224	3,382	2,163
	$ 13,644,850	**$ 7,905,603**	**165,964**	**$ 5,737,521**	**$ 1,726**
Act 236 PURPA Purchases					
Renewable Energy	$ 14,988,396	-	213,258	$ 14,988,396	-
Other Qualifying Facilities	3,771,699	-	54,993	3,771,699	-
	$ 18,760,095	**$ -**	**268,251**	**$ 18,760,095**	**$ -**
Total Purchased Power	**$ 32,404,945**	**$ 7,905,603**	**434,215**	**$ 24,497,616**	**$ 1,726**

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

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

FEBRUARY 2017

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 928,537	652,500	8,471	$ 255,924	$ 20,113
PJM Interconnection, LLC.	8,799	-	339	11,380	(2,581)
Other:					
DE Carolinas - Native Load Transfer Benefit	782,636	-	-	782,636	-
DE Carolinas - Native Load Transfer	12,958,577	-	577,816	12,573,584	384,993
Generation Imbalance	(6,522)	-	44	-	(6,522)
Total Intersystem Sales	**$ 14,672,027**	**$ 652,500**	**586,670**	**$ 13,623,524**	**$ 396,003**

* Sales for resale other than native load priority.

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

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
February 2017

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					4,546,051,503
2	DERP Net Metered kWh generation	Input					84,582
3	Adjusted System kWh sales	L1 + L2					4,546,136,085
4	Actual S.C. Retail kWh sales	Input	163,652,476	20,275,702	299,847,327	7,168,042	490,943,547
5	DERP Net Metered kWh generation	Input	80,975	1,310	2,297		84,582
6	Adjusted S.C. Retail kWh sales	L4 + L5	163,733,451	20,277,012	299,849,624	7,168,042	491,028,129
7	Actual S.C. Demand units (kw)	L32 / 31b *100			660,750		
Base fuel component of recovery - non-capacity							
8	Incurred System base fuel - non-capacity expense	Input					$93,861,633
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$2,783
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$93,864,415
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.065
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$3,380,617	$418,661	$6,191,018	$147,999	$10,138,295
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($1,491)	($150)	($1,141)	$0	($2,783)
14	S.C. Retail portion of incurred system expense	L12 + L13	$3,379,126	$418,511	$6,189,877	$147,999	$10,135,512
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.230	2.229	2.229	2.229	2.229
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$3,649,226	$451,945	$6,683,597	$159,776	$10,944,544
17	DERP NEM incentive - fuel component	Input	($353)	($36)	($270)	$0	($659)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$3,648,873	$451,910	$6,683,327	$159,776	$10,943,885
19	S.C. base fuel - non-capacity over/(under) recovery	L18 - L14	$269,747	$33,399	$493,450	$11,777	$808,373
20	Adjustment - Economic Purchases	Input	$0	$0	$0	$0	$51
21	Total S.C. base fuel - non-capacity over/(under) recovery	L19 + L20	$269,747	$33,399	$493,450	$11,777	$808,424
Base fuel component of recovery - capacity							
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.126	0.102			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			24		
23	Incurred S.C. base fuel - capacity expense	Input	$205,591	$20,742	$157,280		$383,613
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.181	0.128			
24b	Billed base fuel - capacity rate (¢/kW)	Input			30		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$295,707	$25,953	$ 198,223	$0	$519,883
26	S.C. base fuel - capacity over/(under) recovery	L25 - L23	$90,116	$5,211	$40,943	$0	$136,270
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity over/(under) recovery	L26 + L27	$90,116	$5,211	$40,943	$0	$136,270
Environmental component of recovery							
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.013	0.011			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			3		
30	Incurred S.C. environmental expense	Input	$21,961	$2,216	$16,801		$40,978
31a	Billed environmental rates by class (¢/kWh)	Input	0.042	0.031			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	$68,240	$6,285	$ 39,645		$114,170
33	S.C. environmental over/(under) recovery	L32 - L30	$46,279	$4,069	$ 22,844	$0	$73,192
34	Adjustment	Input	$0	$0	$0	$0	$0
35	Total S.C. environmental over/(under) recovery	L33 + L34	$46,279	$4,069	$22,844	$0	$73,192
36	Total over / (under) recovery	L21 + L28 + L35	$406,142	$42,679	$557,237	$11,777	$1,017,886

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
February 2017

Year 2016-2017

	Cumulative over / (under) recovery	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Subtotal	Prior Period Adjustments	Total
	Balance ending February 2016	(8,178,450)							
	March 2016 - actual	(5,113,937)	$1,257,169	$149,823	$1,614,366	$43,155	$3,064,513	$0	$3,064,513
_/2	April 2016 - actual	(2,862,055)	$579,097	$91,208	$1,546,143	$35,434	$2,251,882	$0	$2,251,882
	May 2016 - actual	(2,055,487)	$166,326	$33,470	$597,607	$9,165	$806,568	$0	$806,568
_/2	June 2016 - actual	(1,637,768)	$134,334	$21,348	$171,533	$18,077	$345,292	$72,427	$417,719
	July 2016 - actual	(4,666,718)	($1,099,935)	($153,840)	($1,737,737)	($37,438)	($3,028,950)	$0	($3,028,950)
	August 2016 - actual	(6,588,776)	($647,989)	($90,105)	($1,162,202)	($21,762)	($1,922,058)	$0	($1,922,058)
	September 2016 - actual	(6,774,119)	($78,301)	($4,082)	($101,162)	($1,798)	($185,343)	$0	($185,343)
	October 2016 - actual	(7,344,031)	($175,489)	($21,964)	($362,824)	($9,635)	($569,912)	$0	($569,912)
	November 2016 - actual	(7,418,007)	$25,549	$877	($94,569)	($5,833)	($73,976)	$0	($73,976)
_/2	December 2016 - actual	(8,833,804)	($486,437)	($69,145)	($834,208)	($26,007)	($1,415,797)	$0	($1,415,797)
	January 2017 - actual	(8,318,705)	$335,500	$24,481	$154,071	$1,047	$515,099	$0	$515,099
_/2	February 2017 - actual	(7,300,819)	$406,142	$42,679	$557,237	$11,777	$1,017,835	$51	$1,017,886
_/3	March 2017 - forecast	(8,859,173)	($531,676)	($66,272)	($936,870)	($23,536)	($1,558,354)	$0	($1,558,354)
_/3	April 2017 - forecast	(8,970,717)	($72,639)	($5,669)	($32,736)	($500)	($111,544)	$0	($111,544)
_/3	May 2017 - forecast	(9,049,844)	($74,333)	($1,815)	($2,970)	($9)	($79,127)	$0	($79,127)
_/3	June 2017 - forecast	(10,081,960)	($365,194)	($46,752)	($604,790)	($15,380)	($1,032,116)	$0	($1,032,116)

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
37	Incurred S.C. DERP incremental expense	Input	$63,350	$32,512	$22,343	$118,205
38	Billed S.C. DERP incremental rates by account ($/account)	Input	0.35	0.70	62.56	
39	Billed S.C. DERP incremental revenue	Input	$48,017	$22,375	$16,455	$86,847
40	S.C. DERP incremental over/(under) recovery	L39 - L37	($15,333)	($10,137)	($5,888)	($31,358)
41	Adjustment	Input	$0	$0	$0	$0
42	Total S.C. DERP incremental over/(under) recovery	L40 + L41	($15,333)	($10,137)	($5,888)	($31,358)

Year 2016-2017

	Cumulative over / (under) recovery	Cumulative	Residential	Commercial	Industrial	Subtotal	Prior Period Adjustments	Total
	Balance ending February 2016	(409,036)						
	March 2016 - actual	(332,983)	$47,587	$24,676	$3,790	$76,053	$0	$76,053
_/2	April 2016 - actual	(239,880)	$57,498	$29,093	$6,512	$93,103	$0	$93,103
	May 2016 - actual	(230,645)	$8,264	$7,454	($6,483)	$9,235	$0	$9,235
	June 2016 - actual	(363,127)	($75,641)	($29,326)	($27,515)	($132,482)	$0	($132,482)
	July 2016 - actual	(227,737)	$76,605	$35,021	$23,764	$135,390	$0	$135,390
	August 2016 - actual	(230,217)	($5,161)	($836)	$3,517	($2,480)	$0	($2,480)
	September 2016 - actual	(236,229)	($6,705)	($1,534)	$2,227	($6,012)	$0	($6,012)
	October 2016 - actual	(239,973)	($5,679)	($1,069)	$3,004	($3,744)	$0	($3,744)
	November 2016 - actual	(248,310)	($7,741)	($2,004)	$1,408	($8,337)	$0	($8,337)
	December 2016 - actual	(252,038)	($4,938)	($759)	$1,969	($3,728)	$0	($3,728)
	January 2017 - actual	(336,374)	($43,703)	($24,640)	($15,993)	($84,336)	$0	($84,336)
	February 2017 - actual	(367,732)	($15,333)	($10,137)	($5,888)	($31,358)	$0	($31,358)
_/3	March 2017 - forecast	(394,085)	($17,927)	($8,064)	($362)	($26,353)	$0	($26,353)
_/3	April 2017 - forecast	(432,701)	($25,149)	($11,266)	($2,201)	($38,616)	$0	($38,616)
_/3	May 2017 - forecast	(480,810)	($30,728)	($13,695)	($3,686)	($48,109)	$0	($48,109)
_/3	June 2017 - forecast	(541,194)	($37,938)	($16,871)	($5,575)	($60,384)	$0	($60,384)

Notes:

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

_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.

_/2 Includes prior period adjustments.

_/3 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
February 2017

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$7,859,405	-	$13,219,437	$4,030,761
Oil	-	-	-	38,488	104	-	658,753	274,292
Gas - CC	-	18,025,168	12,531,034	-	-	-	-	-
Gas - CT	-	-	-	-	-	87,641	-	-
Total	$0	$18,025,168	$12,531,034	$38,488	$7,859,509	$87,641	$13,878,190	$4,305,053
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	320.47	-	313.88	322.84
Oil	-	-	-	1,851.27	-	-	1,510.21	1,465.24
Gas - CC	-	429.96	492.12	-	-	-	-	-
Gas - CT	-	-	-	-	-	1,634.79	-	-
Weighted Average	-	429.96	492.12	1,851.27	320.48	1,634.79	326.14	339.71
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$3,137,261	-	$4,517,990	$3,397,941
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	40,360	-	3,023	-	74,155	42,459	401,506	112,320
Gas - CC	-	18,025,168	12,531,034	-	-	-	-	-
Gas - CT	-	-	-	-	-	87,641	-	-
Nuclear	-	-	-	3,042,050	-	-	-	-
Total	$40,360	$18,025,168	$12,534,057	$3,042,050	$3,211,416	$130,100	$4,919,496	$3,510,261
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	276.36	-	316.77	316.75
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,507.66	-	2,015.33	-	1,365.65	1,365.68	1,322.92	1,324.37
Gas - CC	-	429.96	492.12	-	-	-	-	-
Gas - CT	-	-	-	-	-	1,634.79	-	-
Nuclear	-	-	-	65.96	-	-	-	-
Weighted Average	1,507.66	429.96	492.21	65.96	281.54	1,536.01	337.74	324.65
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	3.31	-	3.51	3.55
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	45.35	-	-	-	16.18	23.35	14.62	14.86
Gas - CC	-	3.05	3.49	-	-	-	-	-
Gas - CT	-	-	-	-	-	46.08	-	-
Nuclear	-	-	-	0.67	-	-	-	-
Weighted Average	45.35	3.05	3.49	0.67	3.37	34.97	3.74	3.64
Burned MBTU's								
Coal	-	-	-	-	1,135,218	-	1,426,246	1,072,763
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	2,677	-	150	-	5,430	3,109	30,350	8,481
Gas - CC	-	4,192,258	2,546,353	-	-	-	-	-
Gas - CT	-	-	-	-	-	5,361	-	-
Nuclear	-	-	-	4,611,921	-	-	-	-
Total	2,677	4,192,258	2,546,503	4,611,921	1,140,648	8,470	1,456,596	1,081,244
Net Generation (mWh)								
Coal	-	-	-	-	94,872	-	128,723	95,620
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	89	-	(40)	-	458	182	2,746	756
Gas - CC	-	590,356	359,439	-	-	-	-	-
Gas - CT	-	-	-	-	-	190	-	-
Nuclear	-	-	-	452,452	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	89	590,356	359,399	452,452	95,330	372	131,469	96,376
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$22,448	$22,566
Limestone	-	-	-	-	101,037	-	124,869	112,111
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	2,871	-	21,087	43,024
Urea	-	-	-	-	87,364	-	-	-
Total	-	-	-	-	191,271	-	168,405	177,701

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement 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.
Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
February 2017

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME February 2017
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$25,109,603	$375,399,185
Oil	12,876	-	1,295,448	254	-	(14,032)	2,266,183	17,611,702
Gas - CC	-	-	-	-	19,927,875	-	50,484,077	533,529,538
Gas - CT	-	-	385,821	88,810	7,867,522	-	8,429,794	141,290,142
Total	12,876	-	$1,681,269	$89,064	$27,795,397	(14,032)	$86,289,657	$1,067,830,567
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-	317.34	315.72
Oil	1,238.08	-	1,234.18	-	-	-	1,329.74	1,153.04
Gas - CC	-	-	-	-	388.26	-	425.26	404.64
Gas - CT	-	-	400.94	603.45	385.55	-	390.82	347.00
Weighted Average	1,238.08	-	835.65	605.18	387.49	-	390.25	364.45
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$11,053,192	$357,798,410
Oil - CC	-	-	-	-	278	-	278	335,192
Oil - Steam/CT	-	-	415	136,663	-	-	810,901	16,176,031
Gas - CC	-	-	-	-	19,927,875	-	50,484,077	533,529,538
Gas - CT	-	-	385,821	88,810	7,867,522	-	8,429,794	141,290,142
Nuclear	8,285,969	-	-	-	-	4,410,303	15,738,322	197,993,448
Total	$8,285,969	$0	$386,236	$225,473	$27,795,675	$4,410,303	$86,516,564	$1,247,122,761
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	304.14	318.91
Oil - CC	-	-	-	-	1,635.29	-	1,635.29	1,838.67
Oil - Steam/CT	-	-	1.78	1,709.78	-	-	995.28	1,323.93
Gas - CC	-	-	-	-	388.26	-	425.26	404.64
Gas - CT	-	-	400.94	603.45	385.55	-	390.82	347.00
Nuclear	64.17	-	-	-	-	65.45	64.87	63.94
Weighted Average	64.17	-	323.17	992.84	387.49	65.45	205.96	209.37
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.46	3.37
Oil - CC	-	-	-	-	27.80	-	27.80	40.76
Oil - Steam/CT	-	-	18.98	41.41	-	-	18.09	19.56
Gas - CC	-	-	-	-	2.74	-	3.01	2.87
Gas - CT	-	-	4.36	9.99	4.35	-	4.42	3.90
Nuclear	0.69	-	-	-	-	0.68	0.68	0.67
Weighted Average	0.69	-	4.37	18.50	3.06	0.68	1.90	1.98
Burned MBTU's								
Coal	-	-	-	-	-	-	3,634,227	112,192,424
Oil - CC	-	-	-	-	17	-	17	18,230
Oil - Steam/CT	-	-	23,285	7,993	-	-	81,475	1,221,815
Gas - CC	-	-	-	-	5,132,607	-	11,871,218	131,853,069
Gas - CT	-	-	96,228	14,717	2,040,620	-	2,156,926	40,717,364
Nuclear	12,911,591	-	-	-	-	6,738,395	24,261,907	309,643,130
Total	12,911,591	-	119,513	22,710	7,173,244	6,738,395	42,005,770	595,646,032
Net Generation (mWh)								
Coal	-	-	-	-	-	-	319,214	10,631,429
Oil - CC	-	-	-	-	1	-	1	822
Oil - Steam/CT	-	(42)	2	330	-	-	4,482	82,701
Gas - CC	-	-	-	-	727,637	-	1,677,432	18,569,718
Gas - CT	-	-	8,844	889	181,006	-	190,929	3,618,206
Nuclear	1,204,675	-	-	-	-	643,988	2,301,115	29,436,437
Hydro (Total System)							27,477	378,354
Solar (Total System)							22,285	182,353
Total	1,204,675	(42)	8,846	1,219	908,644	643,988	4,542,935	62,900,022
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$19,331	-	$64,344	$2,933,065
Limestone	-	-	-	-	-	-	338,017	10,168,374
Re-emission Chemical	-	-	-	-	-	-	-	117,168
Sorbents	-	-	-	-	-	-	66,982	3,542,549
Urea	-	-	-	-	-	-	87,364	1,018,383
Total	-	-	-	-	19,331	-	556,707	17,779,541

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
February 2017

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	93,022
Tons received during period	-	-	-	-	96,628
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	44,952
Ending balance	-	-	-	-	144,698
MBTUs per ton burned	-	-	-	-	25.25
Cost of ending inventory ($/ton)	-	-	-	-	69.79
Oil Data:					
Beginning balance	680,434	-	3,165,730	78,040	3,064,966
Gallons received during period	-	-	-	15,068	-
Miscellaneous use and adjustments	-	-	-	-	(4,521)
Gallons burned during period	19,128	-	1,085	15,068	62,104
Ending balance	661,306	-	3,164,645	78,040	2,998,341
Cost of ending inventory ($/gal)	2.11	-	2.80	2.75	1.88
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,066,782	2,478,856	-	5,179
MCF burned during period	-	4,066,782	2,478,856	-	5,179
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	11,734
Tons received during period	-	-	-	-	2,729
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	2,245
Ending balance	-	-	-	-	12,218
Cost of ending inventory ($/ton)	-	-	-	-	43.15

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
February 2017

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	1,211,862	532,234	-	-	-
Tons received during period	167,434	49,213	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	55,411	42,122	-	-	-
Ending balance	1,323,885	539,325	-	-	-
MBTUs per ton burned	25.74	25.47	-	-	-
Cost of ending inventory ($/ton)	81.47	80.67	-	-	-
Oil Data:					
Beginning balance	392,899	216,018	169,267	800,912	11,222,499
Gallons received during period	316,086	135,654	7,534	-	760,612
Miscellaneous use and adjustments	(7,534)	(2,364)	-	-	-
Gallons burned during period	219,455	61,586	4,848	-	169
Ending balance	481,996	287,722	171,953	800,912	11,982,942
Cost of ending inventory ($/gal)	1.83	1.82	2.75	2.34	2.41
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	91,333
MCF burned during period	-	-	-	-	91,333
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	92,789	20,956	-	-	-
Tons received during period	18,498	1,766	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	3,366	2,887	-	-	-
Ending balance	107,921	19,835	-	-	-
Cost of ending inventory ($/ton)	35.20	35.78	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
February 2017

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME February 2017
Coal Data:					
Beginning balance	-	-	-	1,837,118	1,733,833
Tons received during period	-	-	-	313,275	4,695,112
Inventory adjustments	-	-	-	-	36,131
Tons burned during period	-	-	-	142,485	4,457,168
Ending balance	-	-	-	2,007,908	2,007,908
MBTUs per ton burned	-	-	-	25.51	25.17
Cost of ending inventory ($/ton)	-	-	-	80.42	80.42
Oil Data:					
Beginning balance	10,092,336	8,141,807	297,499	38,322,407	37,243,791
Gallons received during period	-	-	-	1,234,954	11,068,236
Miscellaneous use and adjustments	-	-	-	(14,419)	(277,256)
Gallons burned during period	57,919	119	-	441,481	8,933,310
Ending balance	10,034,417	8,141,688	297,499	39,101,461	39,101,461
Cost of ending inventory ($/gal)	2.36	2.32	2.75	2.36	2.36
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	14,190	6,981,744	-	13,638,084	167,069,921
MCF burned during period	14,190	6,981,744	-	13,638,084	167,069,921
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	125,479	157,533
Tons received during period	-	-	-	22,993	277,218
Inventory adjustments	-	-	-	-	(10,345)
Tons consumed during period	-	-	-	8,498	284,432
Ending balance	-	-	-	139,974	139,974
Cost of ending inventory ($/ton)	-	-	-	35.98	35.98

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

FEBRUARY 2017

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	3,982	$ 346,800	87.10
	CONTRACT	92,647	7,338,751	79.21
	ADJUSTMENTS	-	173,855	-
	TOTAL	96,628	7,859,405	81.34
MAYO	SPOT	-	-	-
	CONTRACT	49,214	3,893,727	79.12
	ADJUSTMENTS	-	137,034	-
	TOTAL	49,214	4,030,761	81.90
ROXBORO	SPOT	25,086	1,848,975	73.71
	CONTRACT	142,348	10,630,717	74.68
	ADJUSTMENTS	-	739,744	-
	TOTAL	167,434	13,219,437	78.95
ALL PLANTS	SPOT	29,067	2,195,775	75.54
	CONTRACT	284,208	21,863,195	76.93
	ADJUSTMENTS	-	1,050,633	-
	TOTAL	313,275	$ 25,109,603	$ 80.15

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

FEBRUARY 2017

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.36	9.08	12,690	1.88
MAYO	7.25	7.75	12,685	1.79
ROXBORO	6.60	9.40	12,577	1.50

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

FEBRUARY 2017

	BRUNSWICK	MAYO	ROBINSON
VENDOR	Selma Tank Farm	Charlotte Tank Farm and Greensboro Tank Farm	Selma Tank Farm
SPOT / CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	7,534	135,654	15,068
TOTAL DELIVERED COST	$ 12,876	$ 274,292	$ 38,488
DELIVERED COST / GALLON	$ 1.71	$ 2.02	$ 2.55
BTU / GALLON	138,000	138,000	138,000

	ROXBORO	WAYNE
VENDOR	Charlotte Tank Farm and Selma Tank Farm	Indigo and Petroleum Traders
SPOT / CONTRACT	Contract	Contract
SULFUR CONTENT %	0	0
GALLONS RECEIVED	316,086	760,612
TOTAL DELIVERED COST	$ 658,753	$ 1,295,448
DELIVERED COST / GALLON	$ 2.08	$ 1.70
BTU / GALLON	138,000	138,000

Note:
Price adjustments of $104, $254 and $(14,032) for the Asheville, Darlington and Harris stations, respectively, are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2016 - February, 2017
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,652,806	938	93.14	91.84
Brunswick 2	7,959,286	932	97.49	99.25
Harris 1	7,488,264	928	92.11	90.24
Robinson 2	6,336,081	741	97.61	95.44

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2016 through February, 2017
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,263,698	196	73.59	85.24
Lee Energy Complex	1B	1,301,823	195	76.20	90.47
Lee Energy Complex	1C	1,297,944	197	75.13	89.67
Lee Energy Complex	ST1	2,430,457	378	73.32	82.11
Lee Energy Complex	Block Total	6,293,922	967	74.33	85.87
Richmond County CC	7	971,972	172	64.51	73.46
Richmond County CC	8	961,712	170	64.49	73.30
Richmond County CC	ST4	1,110,528	169	74.95	73.13
Richmond County CC	9	1,366,225	193	80.85	88.93
Richmond County CC	10	1,377,939	193	81.55	88.85
Richmond County CC	ST5	1,811,217	249	83.15	87.26
Richmond County CC	Block Total	7,599,593	1,146	75.71	81.83
Sutton Energy Complex	1A	1,435,524	198	82.75	95.74
Sutton Energy Complex	1B	1,454,037	198	83.82	96.94
Sutton Energy Complex	ST1	1,787,465	265	76.93	95.67
Sutton Energy Complex	Block Total	4,677,026	662	80.74	95.94

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.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2016 through February, 2017

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,908,498	735	29.65	88.58
Roxboro 2	2,484,548	672	42.22	89.40
Roxboro 3	2,248,150	694	36.99	92.49
Roxboro 4	1,864,891	703	30.27	93.16

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.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2016 through February, 2017
Other Cycling Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville 1	685,045	190	41.11	81.28
Asheville 2	572,326	190	34.34	80.14
Roxboro 1	921,017	379	27.71	98.38

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.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
March, 2016 through February, 2017
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	203,502	343	91.57
Blewett CT	-20	59	98.97
Darlington CT	112,590	808	90.10
Richmond County CT	2,751,187	837	90.10
Sutton CT	-480	67	91.39
Wayne County CT	580,636	903	91.15
Weatherspoon CT	447	143	97.25

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.

Duke Energy Progress
Power Plant Performance Data

Twelve Month Summary
March, 2016 through February, 2017
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	72,033	27.0	73.37
Marshall	6,833	4.0	38.18
Tillery	116,701	84.0	93.71
Walters	182,787	113.0	98.06

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.