Progress Energy

August 22, 2012

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

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report
Docket No. 2006-224-E

Dear Mrs. Boyd:

Enclosed is the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of July 2012.

Sincerely,

Timika Shafeek-Horton

Timika Shafeek-Horton
Deputy General Counsel

Attachment
cc: John Flitter (ORS)

Progress Energy Service Company, LLC
P. O. Box 1551
Raleigh, NC 27602

The following units had no off-line outages during the month of July:

Brunswick Unit 1
Brunswick Unit 2
Harris Unit 1
Robinson Unit 2
Mayo Unit 1
Roxboro Unit 2
Roxboro Unit 3
Roxboro Unit 4

Brunswick 1 **

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	938	MW	938	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	701,539	MWH	6,589,430	MWH	2
Capacity Factor	100.53	%	79.97	%	
Equivalent Availability	99.47	%	79.41	%	
Output Factor	100.53	%	99.21	%	
Heat Rate	10,512	BTU/KWH	10,470	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,536,127	18.27	3
Partial Scheduled	14	0.00	86,889	1.03	4
Full Forced	0	0.00	121,566	1.45	5
Partial Forced	3,684	0.53	102,966	1.22	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	697,872		8,407,020		8

* See 'Notes for Fossil Units' filed with the January 2012 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	932	MW	927	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	690,241	MWH	7,455,001	MWH	2
Capacity Factor	99.54	%	91.56	%	
Equivalent Availability	100.00	%	90.29	%	
Output Factor	99.54	%	98.99	%	
Heat Rate	10,756	BTU/KWH	10,584	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	240,997	2.91	3
Partial Scheduled	8	0.00	130,927	1.58	4
Full Forced	0	0.00	392,160	4.74	5
Partial Forced	3,159	0.46	79,625	0.96	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	693,408		8,276,724		8

* See 'Notes for Fossil Units' filed with the January 2012 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	900	MW	900	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	691,734	MWH	7,021,859	MWH	2
Capacity Factor	103.31	%	88.82	%	
Equivalent Availability	99.76	%	85.99	%	
Output Factor	103.31	%	102.49	%	
Heat Rate	10,763	BTU/KWH	10,686	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,063,230	13.14	3
Partial Scheduled	0	0.00	51,383	0.64	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	1,596	0.24	12,731	0.16	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	669,600		8,090,064		8

* See 'Notes for Fossil Units' filed with the January 2012 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	724	MW	724	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	541,957	MWH	5,162,429	MWH	2
Capacity Factor	100.61	%	81.18	%	
Equivalent Availability	97.91	%	79.44	%	
Output Factor	100.61	%	100.67	%	
Heat Rate	10,753	BTU/KWH	10,737	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,120,273	17.15	3
Partial Scheduled	11,252	2.09	27,965	0.43	4
Full Forced	0	0.00	166,222	2.54	5
Partial Forced	0	0.00	136,233	2.09	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	538,656		6,533,832		8

* See 'Notes for Fossil Units' filed with the January 2012 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT

Mayo 1 **

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	727	MW	732	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	446,559	MWH	3,189,240	MWH	2
Capacity Factor	82.56	%	49.62	%	
Equivalent Availability ***	99.79	%	77.80	%	
Output Factor	82.56	%	67.94	%	
Heat Rate	9,741	BTU/KWH	10,845	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	408,072	6.35	3
Partial Scheduled	0	0.00	45,013	0.70	4
Full Forced	0	0.00	930,178	14.47	5
Partial Forced	1,110	0.21	48,519	0.75	6
Economic Dispatch	93,219	17.23	1,544,702	24.03	7
Possible MWH	540,888		6,426,960		8

* See 'Notes for Fossil Units' filed with the January 2012 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 2

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	659	MW	664	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	440,745	MWH	4,033,362	MWH	2
Capacity Factor	89.89	%	69.14	%	
Equivalent Availability	100.00	%	95.37	%	
Output Factor	89.89	%	73.13	%	
Heat Rate	10,170	BTU/KWH	10,314	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	216,420	3.71	3
Partial Scheduled	0	0.00	14,139	0.24	4
Full Forced	0	0.00	33,695	0.58	5
Partial Forced	0	0.00	4,660	0.08	6
Economic Dispatch	49,551	10.11	1,531,668	26.25	7
Possible MWH	490,296		5,834,040		8

* See 'Notes for Fossil Units' filed with the January 2012 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 3

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	696	MW	697	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	369,509	MWH	3,434,546	MWH	2
Capacity Factor	71.36	%	56.12	%	
Equivalent Availability	99.36	%	91.42	%	
Output Factor	71.36	%	62.90	%	
Heat Rate	10,604	BTU/KWH	11,675	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	423,744	6.92	3
Partial Scheduled	3,289	0.64	37,134	0.61	4
Full Forced	0	0.00	22,319	0.36	5
Partial Forced	0	0.00	42,450	0.69	6
Economic Dispatch	145,026	28.01	2,159,303	35.29	7
Possible MWH	517,824		6,119,520		8

* See 'Notes for Fossil Units' filed with the January 2012 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 4 **

	Month of July 2012		Twelve Month Summary		See Notes*
MDC	698	MW	706	MW	1
Period Hours	744	HOURS	8,784	HOURS	
Net Generation	426,007	MWH	3,705,906	MWH	2
Capacity Factor	82.03	%	59.79	%	
Equivalent Availability	99.89	%	93.30	%	
Output Factor	82.03	%	64.12	%	
Heat Rate	10,287	BTU/KWH	10,311	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	271,989	4.39	3
Partial Scheduled	0	0.00	12,273	0.20	4
Full Forced	0	0.00	58,236	0.94	5
Partial Forced	564	0.11	73,874	1.19	6
Economic Dispatch	92,741	17.86	2,075,410	33.49	7
Possible MWH	519,312		6,197,844		8

* See 'Notes for Fossil Units' filed with the January 2012 report.
** Gross of Power Agency

Progress Energy Carolinas CAPACITY FACTOR REPORT
Run Date 8/16/2012

Plant	Unit	Current MW Rating	January 2011 - December 2011	July 2012	January 2012 - July 2012
Asheville	1	191	54.69	73.36	54.07
Asheville	2	185	49.04	74.24	70.45
Cape Fear	5	144	45.42	62.21	17.84
Cape Fear	6	172	41.91	59.83	17.42
Lee	1	74	30.76	66.41	20.83
Lee	2	68	16.71	0.00	0.95
Lee	3	240	47.30	67.37	46.69
Mayo	1	727	55.15	82.56	54.65
Robinson	1	177	36.44	37.93	12.12
Roxboro	1	364	54.46	89.61	54.28
Roxboro	2	659	44.58	89.89	72.35
Roxboro	3	696	58.89	71.36	64.17
Roxboro	4	698	62.16	82.03	63.90
Sutton	1	97	27.49	42.01	23.04
Sutton	2	104	25.79	42.36	20.14
Sutton	3	374	34.10	53.98	38.47
Weatherspoon *	1	48	4.64		
Weatherspoon *	2	48	12.73		
Weatherspoon *	3	74	18.74		
Fossil System Total		5,140	48.18	72.87	51.98
Brunswick	1	938	100.14	100.53	64.91
Brunswick	2	932	78.63	99.54	100.26
Harris	1	900	102.89	103.31	78.58
Robinson Nuclear	2	724	100.34	100.61	68.77
Nuclear System Total		3,494	95.21	101.00	78.66
Total System		8,634	66.40	82.82	61.14

* The Weatherspoon units were retired in September 2011; however, the 2011 data is included for historical reference.

Amended SC Fuel Rule
Related to Nuclear Operations

There shall be a rebuttable presumption that an electrical utility made every reasonable effort to minimize cost associated with the operation of its nuclear generation system if the utility achieved a net capacity factor of ≥ 92.5% during the 12 month period under review. For the test period March 1, 2012 through July 31, 2012, actual period to date performance is summarized below:

Period to Date: March 1, 2012 to July 31, 2012

Nuclear System Capacity Factor Calculation (Based on net generation)

A.. Nuclear system actual generation for SCPSC test period	A =	9,908,262 MWH
B. Total number of hours during SCPSC test period	B =	3,671 hours
C. Nuclear system MDC during SCPSC test period (see page 2)	C =	3,494 MW
D. Reasonable nuclear system reductions (see page 2)	D =	3,180,595 MWH
E. SC Fuel Case nuclear system capacity factor: [(A + D) / (B + C)] * 100 =		102.0%

NOTE:
If Line Item E > 92.5%, presumption of utility's minimum cost of operation.
If Line Item E < 92.5%, utility has burden of proof of reasonable operations.

Amended SC Fuel Rule
Nuclear System Capacity Factor Calculation
Reasonable Nuclear System Reductions
Period to Date: March 1, 2012 to July 31, 2012

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	932 MW	900 MW	724 MW	3,494 MW
Reasonable refueling outage time (MWH)	1,449,984	0	1,063,230	392,593	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	61,467	4,495	1,596	96,869	
Reasonable coast down power reductions (MWH)	0	0	23,236	0	
Reasonable power ascension power reductions (MWH)	34,494	0	27,823	16,713	
Prudent NRC required testing outages (MWH)	0	8,095	0	0	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	0	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	1,545,945	12,590	1,115,885	506,175	
Total reasonable outage time exclusions [carry to Page 1, Line D]					3,180,595