Progress Energy

April 26, 2007

Charles L.A. Terreni
Chief Clerk and Administrator
South Carolina Public Service Commission
Post Office Drawer 11649
Columbia, South Carolina 29211

Re: Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc.
Power Plant Performance Report (March 2007)
Docket No. 2006-224-E

Dear Mr. Terreni:

Enclosed are an original and one copy of the Power Plant Performance Report for Carolina Power & Light Company d/b/a Progress Energy Carolinas, Inc. for the month of March 2007.

Sincerely,

s/ Len S. Anthony

Len S. Anthony
Deputy General Counsel – Regulatory Affairs

LSA/dhs
Enclosures
45612

c: John Flitter (ORS)

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

March 2007

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

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

March 2007

Brunswick Unit 2

Full Scheduled Outage

A. Duration: The unit was taken out of service at 0:05 on March 3, and remained off-line through the end of the month. The unit was off-line for 694 hours and 55 minutes during March.

B. Cause: Scheduling Refueling Outage

C. Explanation: The unit was taken out of service for a scheduled refueling outage. In addition to refueling, required maintenance and inspections are being carried out during this outage.

D. Corrective Action: Planned outage activities were in progress at the end of March.

March 2007

Mayo Unit 1

Full Scheduled Outage

A. Duration: The unit was taken out of service at 19:25 on February 23, and returned to service at 07:23 on March 15, a duration of 466 hours and 58 minutes. 342 hours and 23 minutes of the outage occurred in March.

B. Cause: Boiler Inspection

C. Explanation: The unit was taken out of service for a planned boiler inspection, other inspections, and maintenance.

D. Corrective Action: Planned outage activities, including boiler inspection, periodic, preventative, and corrective maintenance were completed, and the unit was returned to service.

March 2007

Roxboro Unit 2

Full Scheduled Outage

A. Duration: The unit was taken out of service at 23:50 on March 30, and remained off-line through the end of the month. The unit was off-line for 24 hours and 10 minutes during March.

B. Cause: Boiler Inspection and Installation of Environmental Modifications

C. Explanation: The unit was taken out of service for a planned boiler inspection, other inspections, and maintenance. Additionally, the installation of the flue gas desulfurization system is to be completed during the outage.

D. Corrective Action: Planned outage activities were in progress at the end of March.

March 2007

Roxboro Unit 4

Full Forced Outage

A. Duration: The unit was taken out of service at 15:05 on March 22, and returned to service at 0:00 on March 25, a duration of 56 hours and 55 minutes.

B. Cause: Hot Reheat Steam Valve

C. Explanation: The unit was taken out of service to investigate and conduct repairs on the hot reheat steam valve.

D. Corrective Action: Corrective maintenance activities were conducted to repair the hot reheat steam valve, and the unit was returned to service.

Progress Energy Carolinas
Run Date 4/24/2007

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 1 **

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	938	MW	938	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	719,722	MWH	7,882,057	MWH	2
Capacity Factor	103.27	%	95.94	%	
Equivalent Availability	99.73	%	93.25	%	
Output Factor	103.27	%	101.53	%	
Heat Rate	10,260	BTU/KWH	10,316	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	160,194	1.95	3
Partial Scheduled	1,876	0.27	32,326	0.39	4
Full Forced	0	0.00	292,813	3.56	5
Partial Forced	0	0.00	50,322	0.61	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	696,934		8,215,942		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Brunswick 2 **

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	937	MW	937	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	36,594	MWH	6,695,352	MWH	2
Capacity Factor	5.26	%	81.58	%	
Equivalent Availability	5.76	%	80.82	%	
Output Factor	81.23	%	98.19	%	
Heat Rate	11,663	BTU/KWH	10,573	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	651,137	93.53	882,139	10.75	3
Partial Scheduled	4,977	0.71	100,999	1.23	4
Full Forced	0	0.00	506,464	6.17	5
Partial Forced	3,482	0.50	61,435	0.75	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	696,191		8,207,183		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Harris 1 **

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	900	MW	900	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	685,273	MWH	7,027,396	MWH	2
Capacity Factor	102.48	%	89.15	%	
Equivalent Availability	99.94	%	88.40	%	
Output Factor	102.48	%	100.77	%	
Heat Rate	10,728	BTU/KWH	10,852	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	829,590	10.52	3
Partial Scheduled	409	0.06	1,063	0.01	4
Full Forced	0	0.00	79,650	1.01	5
Partial Forced	0	0.00	75,203	0.95	6
Economic Dispatch	0	0.00	0	0.00	7
Possible MWH	668,700		7,883,100		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Robinson 2

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	710	MW	710	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	549,343	MWH	6,428,753	MWH	2
Capacity Factor	104.13	%	103.37	%	
Equivalent Availability	99.17	%	99.02	%	
Output Factor	104.13	%	104.02	%	
Heat Rate	10,634	BTU/KWH	10,755	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	0	0.00	3
Partial Scheduled	0	0.00	12,767	0.21	4
Full Forced	0	0.00	38,802	0.62	5
Partial Forced	0	0.00	4,782	0.08	6
Economic Dispatch	4,384	0.83	4,384	0.07	7
Possible MWH	527,530		6,218,890		8

* See 'Notes for Nuclear Units' filed with the January 2007 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Mayo 1 **

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	741	MW	744	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	222,831	MWH	4,296,340	MWH	2
Capacity Factor	40.47	%	66.20	%	
Equivalent Availability	51.75	%	89.98	%	
Output Factor	75.06	%	71.00	%	
Heat Rate	10,550	BTU/KWH	10,643	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	253,706	46.08	363,815	5.58	3
Partial Scheduled	11,945	2.17	78,734	1.21	4
Full Forced	0	0.00	75,587	1.16	5
Partial Forced	0	0.00	133,402	2.05	6
Economic Dispatch	62,081	11.28	1,568,941	24.08	7
Possible MWH	550,563		6,516,696		8

* See 'Notes for Fossil Units' filed with the January 2007 report.
** Gross of Power Agency

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 2

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	639	MW	662	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	397,722	MWH	4,612,741	MWH	2
Capacity Factor	83.77	%	79.52	%	
Equivalent Availability	87.89	%	92.03	%	
Output Factor	86.59	%	83.16	%	
Heat Rate	9,350	BTU/KWH	9,369	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	15,443	3.25	70,617	1.22	3
Partial Scheduled	39,022	8.22	285,379	4.92	4
Full Forced	0	0.00	96,119	1.66	5
Partial Forced	3,037	0.64	8,405	0.14	6
Economic Dispatch	19,554	4.12	732,539	12.63	7
Possible MWH	474,777		5,800,648		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 3

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	705	MW	707	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	402,690	MWH	3,799,127	MWH	2
Capacity Factor	76.88	%	61.39	%	
Equivalent Availability	92.08	%	79.54	%	
Output Factor	76.88	%	74.14	%	
Heat Rate	11,465	BTU/KWH	10,414	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	0	0.00	1,064,729	17.21	3
Partial Scheduled	13,212	2.52	63,607	1.03	4
Full Forced	0	0.00	0	0.00	5
Partial Forced	28,273	5.40	138,744	2.24	6
Economic Dispatch	79,640	15.20	1,119,235	18.09	7
Possible MWH	523,815		6,188,234		8

* See 'Notes for Fossil Units' filed with the January 2007 report.

BASE LOAD POWER PLANT PERFORMANCE REPORT
Roxboro 4 **

	Month of March 2007		Twelve Month Summary		See Notes*
MDC	698	MW	700	MW	1
Period Hours	743	HOURS	8,759	HOURS	
Net Generation	329,511	MWH	4,030,657	MWH	2
Capacity Factor	63.54	%	65.79	%	
Equivalent Availability	85.77	%	94.72	%	
Output Factor	70.01	%	67.23	%	
Heat Rate	10,515	BTU/KWH	10,562	BTU/KWH	

	MWH	% of Possible	MWH	% of Possible	
Full Scheduled	39,728	7.66	117,498	1.92	3
Partial Scheduled	33,207	6.40	179,076	2.92	4
Full Forced	0	0.00	5,600	0.09	5
Partial Forced	879	0.17	21,446	0.35	6
Economic Dispatch	115,288	22.23	1,772,705	28.93	7
Possible MWH	518,614		6,126,921		8

* See 'Notes for Fossil Units' filed with the January 2007 report.
** Gross of Power Agency

Progress Energy Carolinas
Run Date 4/24/2007

CAPACITY FACTOR REPORT

Plant	Unit	Current MW Rating	January 2006 - December 2006	March 2007	January 2007 - March 2007
Asheville	1	197	72.44	44.32	63.34
Asheville	2	186	60.37	81.17	71.64
Cape Fear	5	144	72.32	83.43	74.92
Cape Fear	6	173	65.99	77.70	69.62
Lee	1	77	47.56	58.72	54.31
Lee	2	77	43.52	65.18	59.18
Lee	3	252	60.06	75.27	70.04
Mayo	1	741	67.04	40.47	54.84
Robinson	1	180	78.19	54.06	74.16
Roxboro	1	383	77.79	72.70	77.52
Roxboro	2	639	81.26	83.77	79.64
Roxboro	3	705	59.60	76.88	80.47
Roxboro	4	698	65.20	63.54	68.49
Sutton	1	97	44.30	57.51	53.27
Sutton	2	106	46.43	67.27	60.81
Sutton	3	403	54.54	61.07	66.73
Weatherspoon	1	49	36.15	64.73	55.78
Weatherspoon	2	49	37.40	64.85	51.09
Weatherspoon	3	79	50.52	70.71	70.96
Fossil System Total		5,235	65.25	66.23	69.43
Brunswick	1	938	87.51	103.27	103.29
Brunswick	2	937	89.68	5.26	67.75
Harris	1	900	89.16	102.48	103.09
Robinson Nuclear	2	710	103.59	104.13	105.52
Nuclear System Total		3,485	91.80	76.89	94.14
Total System		8,720	75.80	70.49	79.31

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 ≥ 92.5% during the 12 month period under review. For the test period April 1, 2006 through March 31, 2007, actual period to date performance is summarized below:

Period to Date: April 1, 2006 to March 31, 2007

Nuclear System Capacity Factor Calculation (Based on net generation)

A. Nuclear system actual generation for SCPSC test period	A =	28,033,558	MWH
B. Total number of hours during SCPSC test period	B =	8,759	hours
C. Nuclear system MDC during SCPSC test period (see page 2)	C =	3,485	MW
D. Reasonable nuclear system reductions (see page 2)	D =	3,043,133	MWH

E. SC Fuel Case nuclear system capacity factor: [(A+D) / (B+C)] * 100 = 101.8%

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: April 1, 2006 to March 31, 2007

Nuclear Unit Name and Designation	BNP Unit # 1	BNP Unit # 2	HNP Unit # 1	RNP Unit # 2	Nuclear System
Unit MDC	938 MW	937 MW	900 MW	710 MW	3,485 MW
Reasonable refueling outage time (MWH)	160,194	651,137	829,590	0	
Reasonable maintenance, repair, and equipment replacement outage time (MWH)	316,218	772,939	80,268	45,402	
Reasonable coast down power reductions (MWH)	2,692	8,652	0	4,383	
Reasonable power ascension power reductions (MWH)	24,530	84,173	4,019	3,791	
Prudent NRC required testing outages (MWH)	20,107	27,436	445	6,384	
SCPSC identified outages not directly under utility control (MWH)	0	0	0	0	
Acts of Nature reductions (MWH)	0	0	0	774	
Reasonable nuclear reduction due to low system load (MWH)	0	0	0	0	
Unit total excluded MWH	523,741	1,544,337	914,322	60,734	
Total reasonable outage time exclusions [carry to Page 1, Line D]					3,043,133