

Confidential Release

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**1995 Environmental Compliance Plan, Centerior
Energy Corp., filed under seal.**

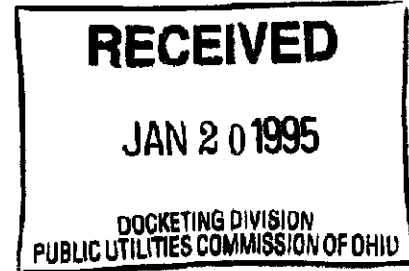
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BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Two-Year)
Review of Centerior Energy)
Corporation's Environmental)
Compliance Plan Pursuant to)
Section 4913.05, Revised Code.)

Case No. 94-1698-EL-ECP



1995

ENVIRONMENTAL COMPLIANCE PLAN

REVIEW

**CONFIDENTIAL INFORMATION
FILED UNDER SEAL**

SUBMITTED TO

THE PUBLIC UTILITIES COMMISSION OF OHIO

JANUARY 20, 1995

CENTERIOR ENERGY CORPORATION

Table 2a

CONFIDENTIAL

Delivered Coal Cost + SO2 Cost

Avon Lake Plant

lbs. SO2/mmBtu	1.2	1.6	2.5	3.8	* 6.0
<u>Year</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>
1995	1.63	1.66	1.70	1.71	NA
1996	1.68	1.73	1.73	1.74	NA
1997	1.75	1.82	1.82	1.82	NA
1998	1.80	1.90	1.90	1.92	NA
1999	1.85	1.97	1.99	2.02	NA
2000	1.91	2.04	2.03	2.09	NA
2001	1.98	2.14	2.14	2.24	NA
2002	2.01	2.20	2.20	2.29	NA
2003	2.07	2.30	2.30	2.40	NA
2004	2.14	2.40	2.40	2.51	NA
2005	2.21	2.52	2.48	2.62	NA
2006	2.27	2.62	2.59	2.75	NA
2007	2.78	2.73	2.70	2.88	NA
2008	2.90	2.85	2.82	3.01	NA
2009	3.03	2.97	2.94	3.15	NA
2010	3.16	3.09	3.07	3.31	NA
2011	3.26	3.20	3.17	3.41	NA
2012	3.37	3.31	3.26	3.50	NA
2013	3.48	3.42	3.37	3.61	NA
2014	3.61	3.56	3.50	3.76	NA
2015	3.77	3.72	3.64	4.00	NA
<u>Levelized (10.5%)</u>					
Ph. 1 (1995-1999)	1.73	1.80	1.81	1.83	NA
Ph. 2 (2000-2015)	2.48	2.59	2.57	2.72	NA

* This SO2 rate exceeds the SIP limit.

Table 3a

CONFIDENTIAL

Delivered Coal Cost + SO2 Cost

Eastlake Plant

lbs. SO2/mmBtu	1.2	1.6	2.5	3.8	* 6.0
Year	(\$/mmBtu)	(\$/mmBtu)	(\$/mmBtu)	(\$/mmBtu)	(\$/mmBtu)
1995	1.83	1.82	1.54	1.55	NA
1996	1.90	1.89	1.56	1.58	NA
1997	1.98	1.99	1.65	1.65	NA
1998	2.06	2.07	1.72	1.75	NA
1999	2.14	2.15	1.81	1.85	NA
2000	2.27	2.22	1.84	1.91	NA
2001	2.38	2.32	1.95	2.06	NA
2002	2.44	2.39	2.00	2.10	NA
2003	2.55	2.49	2.10	2.20	NA
2004	2.64	2.59	2.20	2.31	NA
2005	2.76	2.72	2.27	2.42	NA
2006	2.87	2.83	2.38	2.54	NA
2007	2.99	2.94	2.48	2.66	NA
2008	3.12	3.07	2.59	2.79	NA
2009	3.25	3.19	2.71	2.93	NA
2010	3.38	3.32	2.83	3.07	NA
2011	3.50	3.44	2.93	3.17	NA
2012	3.60	3.55	3.01	3.25	NA
2013	3.73	3.66	3.11	3.36	NA
2014	3.86	3.81	3.24	3.50	NA
2015	4.03	3.98	3.37	3.74	NA
<u>Levelized (10.5%)</u>					
Ph. 1 (1995-1999)	1.96	1.97	1.64	1.66	NA
Ph. 2 (2000-2015)	2.85	2.80	2.36	2.51	NA

* This SO2 rate exceeds the SIP limit.

Table 4a-1

CONFIDENTIAL

Delivered Coal Cost + SO2 Cost

Ashtabula Unit 5

lbs. SO2/mmBtu	1.2	1.6	2.5	3.8	6.0
<u>Year</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>
1995	1.87	1.86	1.49	1.51	1.48
1996	1.94	1.93	1.51	1.53	1.59
1997	2.02	2.03	1.60	1.61	1.77
1998	2.10	2.11	1.68	1.70	1.89
1999	2.18	2.19	1.76	1.80	2.02
2000	2.31	2.26	1.79	1.87	2.13
2001	2.42	2.37	1.90	2.01	2.31
2002	2.49	2.44	1.95	2.05	2.35
2003	2.60	2.54	2.05	2.15	2.49
2004	2.69	2.64	2.14	2.26	2.62
2005	2.82	2.77	2.22	2.36	2.74
2006	2.93	2.88	2.32	2.48	2.90
2007	3.05	3.00	2.42	2.61	3.05
2008	3.17	3.12	2.53	2.73	3.23
2009	3.31	3.24	2.65	2.87	3.40
2010	3.44	3.38	2.77	3.01	3.61
2011	3.56	3.50	2.87	3.11	3.73
2012	3.67	3.61	2.95	3.19	3.81
2013	3.79	3.72	3.05	3.29	3.91
2014	3.93	3.87	3.17	3.44	4.08
2015	4.10	4.05	3.31	3.67	4.37
<u>Levelized (10.5%)</u>					
Ph. 1 (1995-1999)	2.01	2.01	1.60	1.62	1.72
Ph. 2 (2000-2015)	2.90	2.85	2.30	2.46	2.88

Table 4a-2

CONFIDENTIAL

Delivered Coal Cost + SO2 Cost

Ashtabula Units 6-9

lbs. SO2/mmBtu	1.2	1.6	2.5	3.8	6.0
<u>Year</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>	<u>(\$/mmBtu)</u>
1995	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.
1996	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.
1997	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.
1998	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.
1999	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.
2000	2.40	2.35	1.88	1.95	2.21
2001	2.51	2.46	1.99	2.10	2.40
2002	2.58	2.53	2.04	2.14	2.44
2003	2.69	2.64	2.14	2.25	2.58
2004	2.79	2.74	2.24	2.35	2.71
2005	2.92	2.87	2.32	2.46	2.84
2006	3.03	2.98	2.42	2.58	3.00
2007	3.15	3.10	2.53	2.71	3.15
2008	3.28	3.23	2.64	2.84	3.34
2009	3.42	3.36	2.76	2.98	3.51
2010	3.56	3.49	2.88	3.12	3.72
2011	3.67	3.61	2.98	3.22	3.84
2012	3.79	3.73	3.07	3.31	3.92
2013	3.91	3.85	3.17	3.41	4.03
2014	4.05	4.00	3.29	3.56	4.20
2015	4.23	4.18	3.43	3.79	4.49
<u>Levelized (10.5%)</u>					
Ph. 1 (1995-1999)	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.	Non-Aff.
Ph. 2 (2000-2015)	3.01	2.95	2.40	2.56	2.97

Table 5a

CONFIDENTIAL

Delivered Coal Cost + SO2 Cost

Bay Shore Plant

lbs. SO2/mmBtu	1.2	1.6	* 2.5	* 3.8	* 6.0
Year	(\$/mmBtu)	(\$/mmBtu)	(\$/mmBtu)	(\$/mmBtu)	(\$/mmBtu)
1995	Non-Aff.	Non-Aff.	NA	NA	NA
1996	Non-Aff.	Non-Aff.	NA	NA	NA
1997	Non-Aff.	Non-Aff.	NA	NA	NA
1998	Non-Aff.	Non-Aff.	NA	NA	NA
1999	Non-Aff.	Non-Aff.	NA	NA	NA
2000	2.10	2.05	NA	NA	NA
2001	2.20	2.15	NA	NA	NA
2002	2.26	2.21	NA	NA	NA
2003	2.37	2.31	NA	NA	NA
2004	2.46	2.41	NA	NA	NA
2005	2.57	2.53	NA	NA	NA
2006	2.68	2.63	NA	NA	NA
2007	2.79	2.74	NA	NA	NA
2008	2.91	2.86	NA	NA	NA
2009	3.04	2.98	NA	NA	NA
2010	3.17	3.10	NA	NA	NA
2011	3.27	3.21	NA	NA	NA
2012	3.38	3.32	NA	NA	NA
2013	3.49	3.43	NA	NA	NA
2014	3.62	3.57	NA	NA	NA
2015	3.79	3.73	NA	NA	NA
<u>Levelized (10.5%)</u>					
Ph. 1 (1995-1999)	Non-Aff.	Non-Aff.	NA	NA	NA
Ph. 2 (2000-2015)	2.66	2.60	NA	NA	NA

* This SO2 rate exceeds the SIP limit.