

HARDY MYERS
Attorney General



PETER D. SHEPHERD
Deputy Attorney General

DEPARTMENT OF JUSTICE
GENERAL COUNSEL DIVISION

November 1, 2006

Filing Center
Public Utility Commission of Oregon
550 Capitol Street, NE
Salem, Oregon 97301

Re: Docket No. UE 180/UE 181/UE 184

Dear Filing Center:

Enclosed for filing are corrected Staff Exhibit 105 and one corrected page for Staff Exhibit 100. The original Staff Exhibit 105 mistakenly shows oil units rather than coal units. This error is corrected in the replacement Staff Exhibit 105 which, due to its size, will be filed by electronic mail only. The correction to Staff Exhibit 100 is at page 7, line 18, and changes "48" to "47."

Thank you for your attention.

Very truly yours,

Stephanie S. Andrus
Assistant Attorney General

Enc.

c. Service list

1 **Q. WHAT ARE THE POTENTIAL REMEDIES FOR THIS FLAW IN THE**
2 **TRADITIONAL METHODOLOGY FOR CALCULATING 'NORMAL' FORCED**
3 **OUTAGE RATES?**

4 A. Staff has identified three remedies that depart from the traditional methodology
5 in increasing degree. The first remedy is to adjust the inputs to the four-year
6 average to remove the effect of the extraordinary outage. The second remedy is
7 to abandon the use of unit-specific availability data and determine 'normal' forced
8 outage rates based on an industry-wide average. The third remedy is to
9 abandon the use of point-estimates of a unit's 'normal' forced outage rate and
10 instead use Monte Carlo simulation to determine power costs based on a
11 probability-weighted range of unit outage rates.

12 **Q. HAS STAFF EXPLORED THE FIRST REMEDY?**

13 A. Yes. In this "deferral" approach, staff adjusted the traditional four-year average
14 calculation of Boardman's 'normal' forced outage rate by removing the hours in
15 the November 18, 2005 through December 31, 2005 deferral period (see Docket
16 UM 1234) from the forced outage hours and the period hours used in the
17 traditional calculation. This has the effect of truncating the traditional 48-month
18 average to a slightly less than 47-month average. This approach results in a
19 'natural' forced outage rate for Boardman of 9.01 percent. Inputting this rate into
20 PGE's Monet model results in a \$4.598 million reduction to net variable power
21 costs.

22 **Q. IS THERE PRECEDENT FOR THIS TYPE OF ADJUSTMENT?**

23 A. Yes. PacifiCorp made a similar adjustment for the extreme outage at its Hunter
24 1 unit that began on November 25, 2000. PacifiCorp removed the hours

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20 PGE's Monet model results in a \$4.598 million reduction to net variable power
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23 A. Yes. PacifiCorp made a similar adjustment for the extreme outage at its Hunter
24 1 unit that began on November 25, 2000. PacifiCorp removed the hours

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
GENERATING AVAILABILITY DATA SYSTEM
DISTRIBUTION OF KEY PARAMETERS
Date-10/13/05

FOSSIL Coal Primary All MW Sizes 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	0.11	1	0.11
31.0- 31.9	1	0.11	2	0.22
35.0- 35.9	1	0.11	3	0.33
46.0- 46.9	2	0.22	5	0.56
49.0- 49.9	1	0.11	6	0.67
50.0- 50.9	1	0.11	7	0.78
52.0- 52.9	1	0.11	8	0.89
53.0- 53.9	3	0.33	11	1.22
57.0- 57.9	1	0.11	12	1.33
58.0- 58.9	1	0.11	13	1.44
61.0- 61.9	2	0.22	15	1.67
62.0- 62.9	3	0.33	18	2.00
65.0- 65.9	3	0.33	21	2.33
66.0- 66.9	2	0.22	23	2.56
67.0- 67.9	2	0.22	25	2.78
68.0- 68.9	2	0.22	27	3.00
69.0- 69.9	9	1.00	36	4.00
70.0- 70.9	6	0.67	42	4.67
71.0- 71.9	6	0.67	48	5.33
72.0- 72.9	8	0.89	56	6.22
73.0- 73.9	8	0.89	64	7.11
74.0- 74.9	10	1.11	74	8.22
75.0- 75.9	10	1.11	84	9.33
76.0- 76.9	14	1.56	98	10.89
77.0- 77.9	19	2.11	117	13.00
78.0- 78.9	24	2.67	141	15.67
79.0- 79.9	42	4.67	183	20.33
80.0- 80.9	31	3.44	214	23.78
81.0- 81.9	36	4.00	250	27.78
82.0- 82.9	38	4.22	288	32.00
83.0- 83.9	50	5.56	338	37.56
84.0- 84.9	49	5.44	387	43.00
85.0- 85.9	62	6.89	449	49.89
86.0- 86.9	72	8.00	521	57.89
87.0- 87.9	68	7.56	589	65.44
88.0- 88.9	76	8.44	665	73.89
89.0- 89.9	49	5.44	714	79.33
90.0- 90.9	55	6.11	769	85.44
91.0- 91.9	44	4.89	813	90.33
92.0- 92.9	29	3.22	842	93.56
93.0- 93.9	26	2.89	868	96.44
94.0- 94.9	14	1.56	882	98.00
95.0- 95.9	10	1.11	892	99.11
96.0- 96.9	4	0.44	896	99.56
97.0- 97.9	1	0.11	897	99.67
98.0- 98.9	1	0.11	898	99.78
99.0- 99.9	1	0.11	899	99.89
100%	1	0.11	900	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	3	0.33	3	0.33
5.0- 5.9	1	0.11	4	0.44
6.0- 6.9	1	0.11	5	0.56
7.0- 7.9	1	0.11	6	0.67
8.0- 8.9	1	0.11	7	0.78
10.0- 10.9	1	0.11	8	0.89
11.0- 11.9	1	0.11	9	1.00
12.0- 12.9	1	0.11	10	1.11
14.0- 14.9	2	0.22	12	1.33
15.0- 15.9	1	0.11	13	1.44
16.0- 16.9	1	0.11	14	1.56
18.0- 18.9	2	0.22	16	1.78
19.0- 19.9	1	0.11	17	1.89
20.0- 20.9	1	0.11	18	2.00
21.0- 21.9	1	0.11	19	2.11
22.0- 22.9	2	0.22	21	2.33
24.0- 24.9	4	0.44	25	2.78
25.0- 25.9	2	0.22	27	3.00
26.0- 26.9	1	0.11	28	3.11
27.0- 27.9	3	0.33	31	3.44
28.0- 28.9	6	0.67	37	4.11
29.0- 29.9	2	0.22	39	4.33
30.0- 30.9	5	0.56	44	4.89
32.0- 32.9	1	0.11	45	5.00
33.0- 33.9	1	0.11	46	5.11
34.0- 34.9	1	0.11	47	5.22
35.0- 35.9	4	0.44	51	5.67
36.0- 36.9	4	0.44	55	6.11
37.0- 37.9	2	0.22	57	6.33
38.0- 38.9	4	0.44	61	6.78
39.0- 39.9	4	0.44	65	7.22
40.0- 40.9	5	0.56	70	7.78
41.0- 41.9	3	0.33	73	8.11
42.0- 42.9	4	0.44	77	8.56
43.0- 43.9	6	0.67	83	9.22
44.0- 44.9	5	0.56	88	9.78
45.0- 45.9	7	0.78	95	10.56
47.0- 47.9	8	0.89	103	11.44
48.0- 48.9	6	0.67	109	12.11
49.0- 49.9	6	0.67	115	12.78
50.0- 50.9	17	1.89	132	14.67
51.0- 51.9	10	1.11	142	15.78
52.0- 52.9	8	0.89	150	16.67
53.0- 53.9	1	0.11	151	16.78
54.0- 54.9	8	0.89	159	17.67
55.0- 55.9	7	0.78	166	18.44
56.0- 56.9	16	1.78	182	20.22
57.0- 57.9	8	0.89	190	21.11
58.0- 58.9	18	2.00	208	23.11
59.0- 59.9	23	2.56	231	25.67
60.0- 60.9	9	1.00	240	26.67
61.0- 61.9	20	2.22	260	28.89
62.0- 62.9	26	2.89	286	31.78
63.0- 63.9	21	2.33	307	34.11

64.0- 64.9	30	3.33	337	37.44
65.0- 65.9	22	2.44	359	39.89
66.0- 66.9	29	3.22	388	43.11
67.0- 67.9	30	3.33	418	46.44
68.0- 68.9	22	2.44	440	48.89
69.0- 69.9	22	2.44	462	51.33
70.0- 70.9	38	4.22	500	55.56
71.0- 71.9	26	2.89	526	58.44
72.0- 72.9	25	2.78	551	61.22
73.0- 73.9	29	3.22	580	64.44
74.0- 74.9	23	2.56	603	67.00
75.0- 75.9	33	3.67	636	70.67
76.0- 76.9	44	4.89	680	75.56
77.0- 77.9	29	3.22	709	78.78
78.0- 78.9	22	2.44	731	81.22
79.0- 79.9	26	2.89	757	84.11
80.0- 80.9	22	2.44	779	86.56
81.0- 81.9	19	2.11	798	88.67
82.0- 82.9	18	2.00	816	90.67
83.0- 83.9	13	1.44	829	92.11
84.0- 84.9	11	1.22	840	93.33
85.0- 85.9	12	1.33	852	94.67
86.0- 86.9	8	0.89	860	95.56
87.0- 87.9	8	0.89	868	96.44
88.0- 88.9	9	1.00	877	97.44
89.0- 89.9	6	0.67	883	98.11
90.0- 90.9	8	0.89	891	99.00
91.0- 91.9	4	0.44	895	99.44
92.0- 92.9	2	0.22	897	99.67
93.0- 93.9	2	0.22	899	99.89
94.0- 94.9	1	0.11	900	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	205	22.78	205	22.78
1.0- 1.9	247	27.44	452	50.22
2.0- 2.9	182	20.22	634	70.44
3.0- 3.9	106	11.78	740	82.22
4.0- 4.9	60	6.67	800	88.89
5.0- 5.9	35	3.89	835	92.78
6.0- 6.9	26	2.89	861	95.67
7.0- 7.9	11	1.22	872	96.89
8.0- 8.9	9	1.00	881	97.89
9.0- 9.9	9	1.00	890	98.89
10.0- 10.9	5	0.56	895	99.44
11.0- 11.9	4	0.44	899	99.89
12.0- 12.9	1	0.11	900	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	29	3.22	29	3.22
1.0- 1.9	85	9.44	114	12.67
2.0- 2.9	115	12.78	229	25.44
3.0- 3.9	94	10.44	323	35.89
4.0- 4.9	88	9.78	411	45.67
5.0- 5.9	89	9.89	500	55.56
6.0- 6.9	85	9.44	585	65.00
7.0- 7.9	49	5.44	634	70.44
8.0- 8.9	41	4.56	675	75.00
9.0- 9.9	47	5.22	722	80.22
10.0- 10.9	34	3.78	756	84.00
11.0- 11.9	34	3.78	790	87.78
12.0- 12.9	22	2.44	812	90.22
13.0- 13.9	11	1.22	823	91.44
14.0- 14.9	13	1.44	836	92.89
15.0- 15.9	8	0.89	844	93.78
16.0- 16.9	5	0.56	849	94.33
17.0- 17.9	6	0.67	855	95.00
18.0- 18.9	8	0.89	863	95.89
19.0- 19.9	4	0.44	867	96.33
20.0- 20.9	3	0.33	870	96.67
21.0- 21.9	7	0.78	877	97.44
22.0- 22.9	3	0.33	880	97.78
23.0- 23.9	4	0.44	884	98.22
24.0- 24.9	1	0.11	885	98.33
25.0- 25.9	1	0.11	886	98.44
28.0- 28.9	2	0.22	888	98.67
29.0- 29.9	1	0.11	889	98.78
30.0- 30.9	1	0.11	890	98.89
32.0- 32.9	2	0.22	892	99.11
33.0- 33.9	1	0.11	893	99.22
36.0- 36.9	1	0.11	894	99.33
43.0- 43.9	1	0.11	895	99.44
47.0- 47.9	2	0.22	897	99.67
48.0- 48.9	1	0.11	898	99.78
52.0- 52.9	1	0.11	899	99.89
84.0- 84.9	1	0.11	900	100.00

EFORD	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	231	25.67	231	25.67
1.0- 1.9	121	13.44	352	39.11
2.0- 2.9	86	9.56	438	48.67
3.0- 3.9	52	5.78	490	54.44
4.0- 4.9	57	6.33	547	60.78
5.0- 5.9	57	6.33	604	67.11
6.0- 6.9	51	5.67	655	72.78
7.0- 7.9	37	4.11	692	76.89
8.0- 8.9	36	4.00	728	80.89
9.0- 9.9	40	4.44	768	85.33
10.0- 10.9	22	2.44	790	87.78
11.0- 11.9	27	3.00	817	90.78
12.0- 12.9	17	1.89	834	92.67
13.0- 13.9	13	1.44	847	94.11
14.0- 14.9	10	1.11	857	95.22
15.0- 15.9	3	0.33	860	95.56
16.0- 16.9	4	0.44	864	96.00
17.0- 17.9	7	0.78	871	96.78
18.0- 18.9	5	0.56	876	97.33
19.0- 19.9	5	0.56	881	97.89
20.0- 20.9	2	0.22	883	98.11
21.0- 21.9	6	0.67	889	98.78
22.0- 22.9	1	0.11	890	98.89
23.0- 23.9	3	0.33	893	99.22
28.0- 28.9	1	0.11	894	99.33
32.0- 32.9	1	0.11	895	99.44
33.0- 33.9	1	0.11	896	99.56
37.0- 37.9	1	0.11	897	99.67
40.0- 40.9	1	0.11	898	99.78
42.0- 42.9	1	0.11	899	99.89
45.0- 45.9	1	0.11	900	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1930	1	0.11	1	0.11
1935	1	0.11	2	0.22
1940	2	0.22	4	0.44
1942	3	0.33	7	0.78
1943	4	0.44	11	1.22
1944	1	0.11	12	1.33
1947	3	0.33	15	1.67
1948	9	1.00	24	2.67
1949	13	1.44	37	4.11
1950	12	1.33	49	5.44
1951	22	2.44	71	7.89
1952	24	2.67	95	10.56
1953	34	3.78	129	14.33
1954	50	5.56	179	19.89
1955	44	4.89	223	24.78
1956	16	1.78	239	26.56
1957	27	3.00	266	29.56
1958	38	4.22	304	33.78
1959	37	4.11	341	37.89
1960	29	3.22	370	41.11
1961	20	2.22	390	43.33
1962	25	2.78	415	46.11
1963	16	1.78	431	47.89
1964	19	2.11	450	50.00
1965	15	1.67	465	51.67
1966	16	1.78	481	53.44
1967	18	2.00	499	55.44
1968	26	2.89	525	58.33
1969	29	3.22	554	61.56
1970	23	2.56	577	64.11
1971	21	2.33	598	66.44
1972	19	2.11	617	68.56
1973	24	2.67	641	71.22
1974	20	2.22	661	73.44
1975	15	1.67	676	75.11
1976	15	1.67	691	76.78
1977	21	2.33	712	79.11
1978	26	2.89	738	82.00
1979	21	2.33	759	84.33
1980	24	2.67	783	87.00
1981	16	1.78	799	88.78
1982	17	1.89	816	90.67
1983	12	1.33	828	92.00
1984	11	1.22	839	93.22
1985	12	1.33	851	94.56
1986	7	0.78	858	95.33
1987	6	0.67	864	96.00
1988	2	0.22	866	96.22
1989	8	0.89	874	97.11
1990	4	0.44	878	97.56
1991	3	0.33	881	97.89
1992	4	0.44	885	98.33
1994	1	0.11	886	98.44
1995	7	0.78	893	99.22

1996	3	0.33	896	99.56
1999	1	0.11	897	99.67
2003	3	0.33	900	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 19.9 MW	4	0.44	4	0.44
20.0- 39.9 MW	18	2.00	22	2.44
40.0- 59.9 MW	38	4.22	60	6.67
60.0- 79.9 MW	63	7.00	123	13.67
80.0- 99.9 MW	36	4.00	159	17.67
100.0-119.9 MW	59	6.56	218	24.22
120.0-139.9 MW	67	7.44	285	31.67
140.0-159.9 MW	60	6.67	345	38.33
160.0-179.9 MW	39	4.33	384	42.67
180.0-199.9 MW	19	2.11	403	44.78
200.0-219.9 MW	46	5.11	449	49.89
220.0-239.9 MW	22	2.44	471	52.33
240.0-259.9 MW	28	3.11	499	55.44
260.0-279.9 MW	22	2.44	521	57.89
300.0-319.9 MW	15	1.67	536	59.56
320.0-339.9 MW	31	3.44	567	63.00
340.0-359.9 MW	20	2.22	587	65.22
360.0-379.9 MW	5	0.56	592	65.78
380.0-399.9 MW	12	1.33	604	67.11
400.0-419.9 MW	23	2.56	627	69.67
420.0-439.9 MW	9	1.00	636	70.67
440.0-459.9 MW	5	0.56	641	71.22
460.0-479.9 MW	3	0.33	644	71.56
480.0-499.9 MW	7	0.78	651	72.33
500.0-519.9 MW	60	6.67	711	79.00
520.0-539.9 MW	7	0.78	718	79.78
540.0-559.9 MW	16	1.78	734	81.56
560.0-579.9 MW	22	2.44	756	84.00
580.0-599.9 MW	12	1.33	768	85.33
600.0-619.9 MW	18	2.00	786	87.33
620.0-639.9 MW	11	1.22	797	88.56
640.0-659.9 MW	8	0.89	805	89.44
660.0-679.9 MW	19	2.11	824	91.56
680.0-699.9 MW	4	0.44	828	92.00
700.0-719.9 MW	12	1.33	840	93.33
720.0-739.9 MW	5	0.56	845	93.89
740.0-759.9 MW	13	1.44	858	95.33
760.0-779.9 MW	3	0.33	861	95.67
780.0-799.9 MW	2	0.22	863	95.89
800.0-819.9 MW	10	1.11	873	97.00
820.0-839.9 MW	5	0.56	878	97.56
840.0-859.9 MW	2	0.22	880	97.78
860.0-879.9 MW	2	0.22	882	98.00
880.0-899.9 MW	3	0.33	885	98.33
900.0-919.9 MW	2	0.22	887	98.56
940.0-959.9 MW	1	0.11	888	98.67
1000+ MW	12	1.33	900	100.00

 NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
 GENERATING AVAILABILITY DATA SYSTEM
 DISTRIBUTION OF KEY PARAMETERS
 Date-10/13/05

FOSSIL Coal Primary 001-099 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	0.63	1	0.63
49.0- 49.9	1	0.63	2	1.26
50.0- 50.9	1	0.63	3	1.89
53.0- 53.9	1	0.63	4	2.52
61.0- 61.9	1	0.63	5	3.14
62.0- 62.9	1	0.63	6	3.77
66.0- 66.9	1	0.63	7	4.40
67.0- 67.9	1	0.63	8	5.03
69.0- 69.9	1	0.63	9	5.66
70.0- 70.9	1	0.63	10	6.29
72.0- 72.9	2	1.26	12	7.55
73.0- 73.9	1	0.63	13	8.18
74.0- 74.9	2	1.26	15	9.43
75.0- 75.9	1	0.63	16	10.06
76.0- 76.9	2	1.26	18	11.32
77.0- 77.9	4	2.52	22	13.84
78.0- 78.9	4	2.52	26	16.35
79.0- 79.9	7	4.40	33	20.75
80.0- 80.9	2	1.26	35	22.01
81.0- 81.9	6	3.77	41	25.79
82.0- 82.9	6	3.77	47	29.56
83.0- 83.9	7	4.40	54	33.96
84.0- 84.9	5	3.14	59	37.11
85.0- 85.9	9	5.66	68	42.77
86.0- 86.9	7	4.40	75	47.17
87.0- 87.9	13	8.18	88	55.35
88.0- 88.9	13	8.18	101	63.52
89.0- 89.9	8	5.03	109	68.55
90.0- 90.9	8	5.03	117	73.58
91.0- 91.9	14	8.81	131	82.39
92.0- 92.9	13	8.18	144	90.57
93.0- 93.9	4	2.52	148	93.08
94.0- 94.9	2	1.26	150	94.34
95.0- 95.9	3	1.89	153	96.23
96.0- 96.9	3	1.89	156	98.11
97.0- 97.9	1	0.63	157	98.74
99.0- 99.9	1	0.63	158	99.37
100%	1	0.63	159	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	2	1.26	2	1.26
7.0- 7.9	1	0.63	3	1.89
8.0- 8.9	1	0.63	4	2.52
11.0- 11.9	1	0.63	5	3.14
12.0- 12.9	1	0.63	6	3.77
14.0- 14.9	1	0.63	7	4.40
15.0- 15.9	1	0.63	8	5.03
16.0- 16.9	1	0.63	9	5.66
18.0- 18.9	1	0.63	10	6.29
19.0- 19.9	1	0.63	11	6.92
20.0- 20.9	1	0.63	12	7.55
21.0- 21.9	1	0.63	13	8.18
22.0- 22.9	2	1.26	15	9.43
24.0- 24.9	1	0.63	16	10.06
25.0- 25.9	2	1.26	18	11.32
27.0- 27.9	2	1.26	20	12.58
28.0- 28.9	4	2.52	24	15.09
29.0- 29.9	1	0.63	25	15.72
30.0- 30.9	4	2.52	29	18.24
32.0- 32.9	1	0.63	30	18.87
34.0- 34.9	1	0.63	31	19.50
35.0- 35.9	4	2.52	35	22.01
36.0- 36.9	4	2.52	39	24.53
38.0- 38.9	2	1.26	41	25.79
39.0- 39.9	3	1.89	44	27.67
40.0- 40.9	2	1.26	46	28.93
41.0- 41.9	3	1.89	49	30.82
42.0- 42.9	2	1.26	51	32.08
43.0- 43.9	5	3.14	56	35.22
44.0- 44.9	1	0.63	57	35.85
45.0- 45.9	5	3.14	62	38.99
47.0- 47.9	1	0.63	63	39.62
48.0- 48.9	3	1.89	66	41.51
49.0- 49.9	3	1.89	69	43.40
50.0- 50.9	5	3.14	74	46.54
51.0- 51.9	1	0.63	75	47.17
52.0- 52.9	2	1.26	77	48.43
54.0- 54.9	2	1.26	79	49.69
55.0- 55.9	2	1.26	81	50.94
56.0- 56.9	3	1.89	84	52.83
58.0- 58.9	3	1.89	87	54.72
59.0- 59.9	1	0.63	88	55.35
60.0- 60.9	1	0.63	89	55.97
61.0- 61.9	5	3.14	94	59.12
62.0- 62.9	6	3.77	100	62.89
63.0- 63.9	2	1.26	102	64.15
64.0- 64.9	8	5.03	110	69.18
65.0- 65.9	4	2.52	114	71.70
66.0- 66.9	6	3.77	120	75.47
67.0- 67.9	3	1.89	123	77.36
68.0- 68.9	3	1.89	126	79.25
69.0- 69.9	4	2.52	130	81.76
70.0- 70.9	6	3.77	136	85.53
71.0- 71.9	3	1.89	139	87.42

72.0- 72.9	1	0.63	140	88.05
74.0- 74.9	2	1.26	142	89.31
75.0- 75.9	3	1.89	145	91.19
76.0- 76.9	3	1.89	148	93.08
78.0- 78.9	4	2.52	152	95.60
84.0- 84.9	2	1.26	154	96.86
89.0- 89.9	1	0.63	155	97.48
90.0- 90.9	1	0.63	156	98.11
91.0- 91.9	1	0.63	157	98.74
93.0- 93.9	1	0.63	158	99.37
94.0- 94.9	1	0.63	159	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	55	34.59	55	34.59
1.0- 1.9	40	25.16	95	59.75
2.0- 2.9	25	15.72	120	75.47
3.0- 3.9	12	7.55	132	83.02
4.0- 4.9	10	6.29	142	89.31
5.0- 5.9	6	3.77	148	93.08
6.0- 6.9	5	3.14	153	96.23
9.0- 9.9	2	1.26	155	97.48
11.0- 11.9	3	1.89	158	99.37
12.0- 12.9	1	0.63	159	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	12	7.55	12	7.55
1.0- 1.9	16	10.06	28	17.61
2.0- 2.9	22	13.84	50	31.45
3.0- 3.9	19	11.95	69	43.40
4.0- 4.9	14	8.81	83	52.20
5.0- 5.9	9	5.66	92	57.86
6.0- 6.9	17	10.69	109	68.55
7.0- 7.9	6	3.77	115	72.33
8.0- 8.9	3	1.89	118	74.21
9.0- 9.9	6	3.77	124	77.99
10.0- 10.9	4	2.52	128	80.50
11.0- 11.9	7	4.40	135	84.91
12.0- 12.9	4	2.52	139	87.42
13.0- 13.9	2	1.26	141	88.68
14.0- 14.9	2	1.26	143	89.94
15.0- 15.9	3	1.89	146	91.82
16.0- 16.9	1	0.63	147	92.45
17.0- 17.9	1	0.63	148	93.08
18.0- 18.9	2	1.26	150	94.34
20.0- 20.9	1	0.63	151	94.97
21.0- 21.9	1	0.63	152	95.60
24.0- 24.9	1	0.63	153	96.23
25.0- 25.9	1	0.63	154	96.86
28.0- 28.9	1	0.63	155	97.48
30.0- 30.9	1	0.63	156	98.11
32.0- 32.9	2	1.26	158	99.37
36.0- 36.9	1	0.63	159	100.00

EFord	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	40	25.16	40	25.16
1.0- 1.9	20	12.58	60	37.74
2.0- 2.9	18	11.32	78	49.06
3.0- 3.9	15	9.43	93	58.49
4.0- 4.9	12	7.55	105	66.04
5.0- 5.9	12	7.55	117	73.58
6.0- 6.9	10	6.29	127	79.87
7.0- 7.9	1	0.63	128	80.50
8.0- 8.9	5	3.14	133	83.65
9.0- 9.9	7	4.40	140	88.05
11.0- 11.9	5	3.14	145	91.19
12.0- 12.9	3	1.89	148	93.08
13.0- 13.9	2	1.26	150	94.34
14.0- 14.9	3	1.89	153	96.23
17.0- 17.9	3	1.89	156	98.11
19.0- 19.9	2	1.26	158	99.37
32.0- 32.9	1	0.63	159	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1930	1	0.63	1	0.63
1935	1	0.63	2	1.26
1940	2	1.26	4	2.52
1942	2	1.26	6	3.77
1943	4	2.52	10	6.29
1947	3	1.89	13	8.18
1948	8	5.03	21	13.21
1949	11	6.92	32	20.13
1950	7	4.40	39	24.53
1951	17	10.69	56	35.22
1952	8	5.03	64	40.25
1953	12	7.55	76	47.80
1954	13	8.18	89	55.97
1955	8	5.03	97	61.01
1956	2	1.26	99	62.26
1957	7	4.40	106	66.67
1958	6	3.77	112	70.44
1959	3	1.89	115	72.33
1960	4	2.52	119	74.84
1961	4	2.52	123	77.36
1962	1	0.63	124	77.99
1963	1	0.63	125	78.62
1964	1	0.63	126	79.25
1965	2	1.26	128	80.50
1966	4	2.52	132	83.02
1968	2	1.26	134	84.28
1969	2	1.26	136	85.53
1970	1	0.63	137	86.16
1971	1	0.63	138	86.79
1974	1	0.63	139	87.42
1975	1	0.63	140	88.05
1978	2	1.26	142	89.31
1979	1	0.63	143	89.94
1985	2	1.26	145	91.19
1989	5	3.14	150	94.34
1990	2	1.26	152	95.60
1992	3	1.89	155	97.48
1995	3	1.89	158	99.37
1999	1	0.63	159	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 19.9 MW	4	2.52	4	2.52
20.0- 39.9 MW	18	11.32	22	13.84
40.0- 59.9 MW	38	23.90	60	37.74
60.0- 79.9 MW	63	39.62	123	77.36
80.0- 99.9 MW	36	22.64	159	100.00

 NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
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FOSSIL Coal Primary 100-199 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	0.41	1	0.41
31.0- 31.9	1	0.41	2	0.82
35.0- 35.9	1	0.41	3	1.23
61.0- 61.9	1	0.41	4	1.64
62.0- 62.9	1	0.41	5	2.05
65.0- 65.9	1	0.41	6	2.46
68.0- 68.9	1	0.41	7	2.87
69.0- 69.9	2	0.82	9	3.69
70.0- 70.9	1	0.41	10	4.10
71.0- 71.9	2	0.82	12	4.92
72.0- 72.9	2	0.82	14	5.74
73.0- 73.9	4	1.64	18	7.38
74.0- 74.9	1	0.41	19	7.79
75.0- 75.9	5	2.05	24	9.84
76.0- 76.9	4	1.64	28	11.48
77.0- 77.9	2	0.82	30	12.30
78.0- 78.9	8	3.28	38	15.57
79.0- 79.9	9	3.69	47	19.26
80.0- 80.9	10	4.10	57	23.36
81.0- 81.9	12	4.92	69	28.28
82.0- 82.9	14	5.74	83	34.02
83.0- 83.9	9	3.69	92	37.70
84.0- 84.9	13	5.33	105	43.03
85.0- 85.9	10	4.10	115	47.13
86.0- 86.9	14	5.74	129	52.87
87.0- 87.9	19	7.79	148	60.66
88.0- 88.9	20	8.20	168	68.85
89.0- 89.9	11	4.51	179	73.36
90.0- 90.9	21	8.61	200	81.97
91.0- 91.9	16	6.56	216	88.52
92.0- 92.9	9	3.69	225	92.21
93.0- 93.9	9	3.69	234	95.90
94.0- 94.9	6	2.46	240	98.36
95.0- 95.9	2	0.82	242	99.18
96.0- 96.9	1	0.41	243	99.59
98.0- 98.9	1	0.41	244	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	0.41	1	0.41
5.0- 5.9	1	0.41	2	0.82
6.0- 6.9	1	0.41	3	1.23
10.0- 10.9	1	0.41	4	1.64
14.0- 14.9	1	0.41	5	2.05
18.0- 18.9	1	0.41	6	2.46
24.0- 24.9	1	0.41	7	2.87
26.0- 26.9	1	0.41	8	3.28
27.0- 27.9	1	0.41	9	3.69
37.0- 37.9	1	0.41	10	4.10
38.0- 38.9	2	0.82	12	4.92
39.0- 39.9	1	0.41	13	5.33
40.0- 40.9	3	1.23	16	6.56
42.0- 42.9	2	0.82	18	7.38
44.0- 44.9	4	1.64	22	9.02
45.0- 45.9	1	0.41	23	9.43
47.0- 47.9	5	2.05	28	11.48
48.0- 48.9	2	0.82	30	12.30
49.0- 49.9	2	0.82	32	13.11
50.0- 50.9	7	2.87	39	15.98
51.0- 51.9	8	3.28	47	19.26
52.0- 52.9	5	2.05	52	21.31
54.0- 54.9	2	0.82	54	22.13
56.0- 56.9	9	3.69	63	25.82
57.0- 57.9	2	0.82	65	26.64
58.0- 58.9	7	2.87	72	29.51
59.0- 59.9	11	4.51	83	34.02
60.0- 60.9	6	2.46	89	36.48
61.0- 61.9	9	3.69	98	40.16
62.0- 62.9	12	4.92	110	45.08
63.0- 63.9	5	2.05	115	47.13
64.0- 64.9	6	2.46	121	49.59
65.0- 65.9	7	2.87	128	52.46
66.0- 66.9	7	2.87	135	55.33
67.0- 67.9	15	6.15	150	61.48
68.0- 68.9	7	2.87	157	64.34
69.0- 69.9	3	1.23	160	65.57
70.0- 70.9	6	2.46	166	68.03
71.0- 71.9	5	2.05	171	70.08
72.0- 72.9	7	2.87	178	72.95
73.0- 73.9	7	2.87	185	75.82
74.0- 74.9	8	3.28	193	79.10
75.0- 75.9	9	3.69	202	82.79
76.0- 76.9	5	2.05	207	84.84
77.0- 77.9	4	1.64	211	86.48
78.0- 78.9	4	1.64	215	88.11
79.0- 79.9	6	2.46	221	90.57
80.0- 80.9	2	0.82	223	91.39
81.0- 81.9	1	0.41	224	91.80
82.0- 82.9	2	0.82	226	92.62
83.0- 83.9	1	0.41	227	93.03
85.0- 85.9	3	1.23	230	94.26
86.0- 86.9	2	0.82	232	95.08
87.0- 87.9	3	1.23	235	96.31

88.0- 88.9	1	0.41	236	96.72
89.0- 89.9	3	1.23	239	97.95
90.0- 90.9	2	0.82	241	98.77
91.0- 91.9	1	0.41	242	99.18
92.0- 92.9	2	0.82	244	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	62	25.41	62	25.41
1.0- 1.9	73	29.92	135	55.33
2.0- 2.9	48	19.67	183	75.00
3.0- 3.9	25	10.25	208	85.25
4.0- 4.9	16	6.56	224	91.80
5.0- 5.9	4	1.64	228	93.44
6.0- 6.9	5	2.05	233	95.49
7.0- 7.9	2	0.82	235	96.31
8.0- 8.9	4	1.64	239	97.95
9.0- 9.9	2	0.82	241	98.77
10.0- 10.9	3	1.23	244	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	11	4.51	11	4.51
1.0- 1.9	25	10.25	36	14.75
2.0- 2.9	36	14.75	72	29.51
3.0- 3.9	23	9.43	95	38.93
4.0- 4.9	27	11.07	122	50.00
5.0- 5.9	25	10.25	147	60.25
6.0- 6.9	15	6.15	162	66.39
7.0- 7.9	10	4.10	172	70.49
8.0- 8.9	13	5.33	185	75.82
9.0- 9.9	13	5.33	198	81.15
10.0- 10.9	10	4.10	208	85.25
11.0- 11.9	6	2.46	214	87.70
12.0- 12.9	4	1.64	218	89.34
13.0- 13.9	2	0.82	220	90.16
14.0- 14.9	5	2.05	225	92.21
15.0- 15.9	4	1.64	229	93.85
16.0- 16.9	1	0.41	230	94.26
17.0- 17.9	1	0.41	231	94.67
18.0- 18.9	2	0.82	233	95.49
19.0- 19.9	3	1.23	236	96.72
21.0- 21.9	1	0.41	237	97.13
22.0- 22.9	2	0.82	239	97.95
23.0- 23.9	3	1.23	242	99.18
29.0- 29.9	1	0.41	243	99.59
47.0- 47.9	1	0.41	244	100.00

EFORD	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	66	27.05	66	27.05
1.0- 1.9	25	10.25	91	37.30
2.0- 2.9	33	13.52	124	50.82
3.0- 3.9	10	4.10	134	54.92
4.0- 4.9	20	8.20	154	63.11
5.0- 5.9	14	5.74	168	68.85
6.0- 6.9	9	3.69	177	72.54
7.0- 7.9	14	5.74	191	78.28
8.0- 8.9	11	4.51	202	82.79
9.0- 9.9	10	4.10	212	86.89
10.0- 10.9	8	3.28	220	90.16
11.0- 11.9	5	2.05	225	92.21
12.0- 12.9	1	0.41	226	92.62
13.0- 13.9	6	2.46	232	95.08
14.0- 14.9	1	0.41	233	95.49
15.0- 15.9	2	0.82	235	96.31
16.0- 16.9	2	0.82	237	97.13
18.0- 18.9	1	0.41	238	97.54
19.0- 19.9	3	1.23	241	98.77
21.0- 21.9	1	0.41	242	99.18
23.0- 23.9	2	0.82	244	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1942	1	0.41	1	0.41
1944	1	0.41	2	0.82
1948	1	0.41	3	1.23
1949	2	0.82	5	2.05
1950	5	2.05	10	4.10
1951	5	2.05	15	6.15
1952	16	6.56	31	12.70
1953	19	7.79	50	20.49
1954	33	13.52	83	34.02
1955	16	6.56	99	40.57
1956	10	4.10	109	44.67
1957	13	5.33	122	50.00
1958	20	8.20	142	58.20
1959	21	8.61	163	66.80
1960	15	6.15	178	72.95
1961	6	2.46	184	75.41
1962	11	4.51	195	79.92
1963	8	3.28	203	83.20
1964	8	3.28	211	86.48
1965	4	1.64	215	88.11
1966	5	2.05	220	90.16
1967	3	1.23	223	91.39
1968	5	2.05	228	93.44
1969	2	0.82	230	94.26
1970	3	1.23	233	95.49
1971	1	0.41	234	95.90
1976	1	0.41	235	96.31
1978	1	0.41	236	96.72
1979	3	1.23	239	97.95
1981	1	0.41	240	98.36
1982	1	0.41	241	98.77
1983	1	0.41	242	99.18
1987	1	0.41	243	99.59
1995	1	0.41	244	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
100.0-119.9 MW	59	24.18	59	24.18
120.0-139.9 MW	67	27.46	126	51.64
140.0-159.9 MW	60	24.59	186	76.23
160.0-179.9 MW	39	15.98	225	92.21
180.0-199.9 MW	19	7.79	244	100.00

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 DISTRIBUTION OF KEY PARAMETERS
 Date-10/13/05

FOSSIL Coal Primary 200-299 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	1	0.85	1	0.85
57.0- 57.9	1	0.85	2	1.69
70.0- 70.9	1	0.85	3	2.54
72.0- 72.9	1	0.85	4	3.39
73.0- 73.9	2	1.69	6	5.08
75.0- 75.9	1	0.85	7	5.93
76.0- 76.9	2	1.69	9	7.63
77.0- 77.9	1	0.85	10	8.47
78.0- 78.9	2	1.69	12	10.17
79.0- 79.9	4	3.39	16	13.56
80.0- 80.9	7	5.93	23	19.49
81.0- 81.9	7	5.93	30	25.42
82.0- 82.9	5	4.24	35	29.66
83.0- 83.9	6	5.08	41	34.75
84.0- 84.9	3	2.54	44	37.29
85.0- 85.9	9	7.63	53	44.92
86.0- 86.9	14	11.86	67	56.78
87.0- 87.9	10	8.47	77	65.25
88.0- 88.9	16	13.56	93	78.81
89.0- 89.9	6	5.08	99	83.90
90.0- 90.9	7	5.93	106	89.83
91.0- 91.9	5	4.24	111	94.07
92.0- 92.9	1	0.85	112	94.92
93.0- 93.9	2	1.69	114	96.61
94.0- 94.9	2	1.69	116	98.31
95.0- 95.9	2	1.69	118	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	0.85	1	0.85
29.0- 29.9	1	0.85	2	1.69
45.0- 45.9	1	0.85	3	2.54
47.0- 47.9	2	1.69	5	4.24
48.0- 48.9	1	0.85	6	5.08
49.0- 49.9	1	0.85	7	5.93
50.0- 50.9	2	1.69	9	7.63
53.0- 53.9	1	0.85	10	8.47
54.0- 54.9	2	1.69	12	10.17
56.0- 56.9	2	1.69	14	11.86
57.0- 57.9	1	0.85	15	12.71
58.0- 58.9	4	3.39	19	16.10
59.0- 59.9	3	2.54	22	18.64
60.0- 60.9	1	0.85	23	19.49
61.0- 61.9	1	0.85	24	20.34
63.0- 63.9	2	1.69	26	22.03
64.0- 64.9	2	1.69	28	23.73
65.0- 65.9	2	1.69	30	25.42
66.0- 66.9	6	5.08	36	30.51
67.0- 67.9	6	5.08	42	35.59
68.0- 68.9	1	0.85	43	36.44
69.0- 69.9	3	2.54	46	38.98
70.0- 70.9	8	6.78	54	45.76
71.0- 71.9	4	3.39	58	49.15
72.0- 72.9	6	5.08	64	54.24
73.0- 73.9	8	6.78	72	61.02
75.0- 75.9	3	2.54	75	63.56
76.0- 76.9	9	7.63	84	71.19
77.0- 77.9	3	2.54	87	73.73
78.0- 78.9	5	4.24	92	77.97
79.0- 79.9	2	1.69	94	79.66
80.0- 80.9	8	6.78	102	86.44
81.0- 81.9	5	4.24	107	90.68
82.0- 82.9	5	4.24	112	94.92
84.0- 84.9	1	0.85	113	95.76
85.0- 85.9	2	1.69	115	97.46
86.0- 86.9	1	0.85	116	98.31
90.0- 90.9	1	0.85	117	99.15
91.0- 91.9	1	0.85	118	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	23	19.49	23	19.49
1.0- 1.9	27	22.88	50	42.37
2.0- 2.9	31	26.27	81	68.64
3.0- 3.9	19	16.10	100	84.75
4.0- 4.9	7	5.93	107	90.68
5.0- 5.9	3	2.54	110	93.22
6.0- 6.9	7	5.93	117	99.15
7.0- 7.9	1	0.85	118	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	2	1.69	2	1.69
1.0- 1.9	16	13.56	18	15.25
2.0- 2.9	10	8.47	28	23.73
3.0- 3.9	12	10.17	40	33.90
4.0- 4.9	11	9.32	51	43.22
5.0- 5.9	17	14.41	68	57.63
6.0- 6.9	13	11.02	81	68.64
7.0- 7.9	11	9.32	92	77.97
8.0- 8.9	5	4.24	97	82.20
9.0- 9.9	7	5.93	104	88.14
10.0- 10.9	4	3.39	108	91.53
11.0- 11.9	3	2.54	111	94.07
12.0- 12.9	4	3.39	115	97.46
13.0- 13.9	1	0.85	116	98.31
14.0- 14.9	1	0.85	117	99.15
28.0- 28.9	1	0.85	118	100.00

EFORd	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	32	27.12	32	27.12
1.0- 1.9	16	13.56	48	40.68
2.0- 2.9	7	5.93	55	46.61
3.0- 3.9	7	5.93	62	52.54
4.0- 4.9	8	6.78	70	59.32
5.0- 5.9	9	7.63	79	66.95
6.0- 6.9	7	5.93	86	72.88
7.0- 7.9	8	6.78	94	79.66
8.0- 8.9	6	5.08	100	84.75
9.0- 9.9	8	6.78	108	91.53
10.0- 10.9	3	2.54	111	94.07
11.0- 11.9	1	0.85	112	94.92
12.0- 12.9	3	2.54	115	97.46
13.0- 13.9	1	0.85	116	98.31
14.0- 14.9	1	0.85	117	99.15
28.0- 28.9	1	0.85	118	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1953	3	2.54	3	2.54
1954	4	3.39	7	5.93
1955	20	16.95	27	22.88
1956	4	3.39	31	26.27
1957	7	5.93	38	32.20
1958	9	7.63	47	39.83
1959	9	7.63	56	47.46
1960	5	4.24	61	51.69
1961	5	4.24	66	55.93
1962	9	7.63	75	63.56
1963	3	2.54	78	66.10
1964	5	4.24	83	70.34
1965	3	2.54	86	72.88
1966	1	0.85	87	73.73
1967	3	2.54	90	76.27
1968	5	4.24	95	80.51
1969	3	2.54	98	83.05
1973	1	0.85	99	83.90
1974	1	0.85	100	84.75
1976	1	0.85	101	85.59
1977	2	1.69	103	87.29
1978	4	3.39	107	90.68
1979	2	1.69	109	92.37
1980	2	1.69	111	94.07
1981	2	1.69	113	95.76
1984	1	0.85	114	96.61
1985	2	1.69	116	98.31
1986	1	0.85	117	99.15
1995	1	0.85	118	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
200.0-219.9 MW	46	38.98	46	38.98
220.0-239.9 MW	22	18.64	68	57.63
240.0-259.9 MW	28	23.73	96	81.36
260.0-279.9 MW	22	18.64	118	100.00

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
GENERATING AVAILABILITY DATA SYSTEM
DISTRIBUTION OF KEY PARAMETERS
Date-10/13/05

FOSSIL Coal Primary 300-399 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	1	1.20	1	1.20
46.0- 46.9	2	2.41	3	3.61
52.0- 52.9	1	1.20	4	4.82
53.0- 53.9	2	2.41	6	7.23
69.0- 69.9	2	2.41	8	9.64
75.0- 75.9	2	2.41	10	12.05
77.0- 77.9	2	2.41	12	14.46
78.0- 78.9	2	2.41	14	16.87
79.0- 79.9	5	6.02	19	22.89
80.0- 80.9	4	4.82	23	27.71
81.0- 81.9	1	1.20	24	28.92
82.0- 82.9	4	4.82	28	33.73
83.0- 83.9	4	4.82	32	38.55
84.0- 84.9	4	4.82	36	43.37
85.0- 85.9	12	14.46	48	57.83
86.0- 86.9	9	10.84	57	68.67
87.0- 87.9	4	4.82	61	73.49
88.0- 88.9	4	4.82	65	78.31
89.0- 89.9	5	6.02	70	84.34
90.0- 90.9	4	4.82	74	89.16
91.0- 91.9	2	2.41	76	91.57
92.0- 92.9	1	1.20	77	92.77
93.0- 93.9	4	4.82	81	97.59
94.0- 94.9	2	2.41	83	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	2	2.41	2	2.41
24.0- 24.9	2	2.41	4	4.82
28.0- 28.9	2	2.41	6	7.23
37.0- 37.9	1	1.20	7	8.43
43.0- 43.9	1	1.20	8	9.64
50.0- 50.9	3	3.61	11	13.25
54.0- 54.9	1	1.20	12	14.46
55.0- 55.9	3	3.61	15	18.07
56.0- 56.9	1	1.20	16	19.28
58.0- 58.9	2	2.41	18	21.69
59.0- 59.9	2	2.41	20	24.10
60.0- 60.9	1	1.20	21	25.30
61.0- 61.9	2	2.41	23	27.71
62.0- 62.9	3	3.61	26	31.33
63.0- 63.9	4	4.82	30	36.14
64.0- 64.9	2	2.41	32	38.55
66.0- 66.9	4	4.82	36	43.37
67.0- 67.9	1	1.20	37	44.58
68.0- 68.9	2	2.41	39	46.99
69.0- 69.9	5	6.02	44	53.01
70.0- 70.9	5	6.02	49	59.04
71.0- 71.9	3	3.61	52	62.65
72.0- 72.9	1	1.20	53	63.86
73.0- 73.9	3	3.61	56	67.47
75.0- 75.9	3	3.61	59	71.08
76.0- 76.9	3	3.61	62	74.70
77.0- 77.9	4	4.82	66	79.52
79.0- 79.9	3	3.61	69	83.13
80.0- 80.9	1	1.20	70	84.34
81.0- 81.9	1	1.20	71	85.54
82.0- 82.9	1	1.20	72	86.75
83.0- 83.9	1	1.20	73	87.95
84.0- 84.9	2	2.41	75	90.36
85.0- 85.9	3	3.61	78	93.98
86.0- 86.9	3	3.61	81	97.59
87.0- 87.9	1	1.20	82	98.80
93.0- 93.9	1	1.20	83	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	21	25.30	21	25.30
1.0- 1.9	18	21.69	39	46.99
2.0- 2.9	16	19.28	55	66.27
3.0- 3.9	14	16.87	69	83.13
4.0- 4.9	3	3.61	72	86.75
5.0- 5.9	3	3.61	75	90.36
6.0- 6.9	2	2.41	77	92.77
7.0- 7.9	2	2.41	79	95.18
8.0- 8.9	2	2.41	81	97.59
9.0- 9.9	2	2.41	83	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	5	6.02	5	6.02
1.0- 1.9	5	6.02	10	12.05
2.0- 2.9	13	15.66	23	27.71
3.0- 3.9	5	6.02	28	33.73
4.0- 4.9	7	8.43	35	42.17
5.0- 5.9	6	7.23	41	49.40
6.0- 6.9	16	19.28	57	68.67
7.0- 7.9	7	8.43	64	77.11
8.0- 8.9	1	1.20	65	78.31
9.0- 9.9	4	4.82	69	83.13
10.0- 10.9	2	2.41	71	85.54
11.0- 11.9	1	1.20	72	86.75
12.0- 12.9	2	2.41	74	89.16
14.0- 14.9	1	1.20	75	90.36
18.0- 18.9	1	1.20	76	91.57
19.0- 19.9	1	1.20	77	92.77
33.0- 33.9	1	1.20	78	93.98
43.0- 43.9	1	1.20	79	95.18
47.0- 47.9	1	1.20	80	96.39
48.0- 48.9	1	1.20	81	97.59
52.0- 52.9	1	1.20	82	98.80
84.0- 84.9	1	1.20	83	100.00

EFORd	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	20	24.10	20	24.10
1.0- 1.9	14	16.87	34	40.96
2.0- 2.9	8	9.64	42	50.60
3.0- 3.9	1	1.20	43	51.81
4.0- 4.9	4	4.82	47	56.63
5.0- 5.9	3	3.61	50	60.24
6.0- 6.9	13	15.66	63	75.90
7.0- 7.9	4	4.82	67	80.72
9.0- 9.9	3	3.61	70	84.34
10.0- 10.9	1	1.20	71	85.54
11.0- 11.9	1	1.20	72	86.75
12.0- 12.9	2	2.41	74	89.16
14.0- 14.9	1	1.20	75	90.36
18.0- 18.9	2	2.41	77	92.77
21.0- 21.9	1	1.20	78	93.98
33.0- 33.9	1	1.20	79	95.18
37.0- 37.9	1	1.20	80	96.39
40.0- 40.9	1	1.20	81	97.59
42.0- 42.9	1	1.20	82	98.80
45.0- 45.9	1	1.20	83	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1958	3	3.61	3	3.61
1959	4	4.82	7	8.43
1960	3	3.61	10	12.05
1961	5	6.02	15	18.07
1962	3	3.61	18	21.69
1963	1	1.20	19	22.89
1964	3	3.61	22	26.51
1965	5	6.02	27	32.53
1966	4	4.82	31	37.35
1967	6	7.23	37	44.58
1968	3	3.61	40	48.19
1969	4	4.82	44	53.01
1970	3	3.61	47	56.63
1971	3	3.61	50	60.24
1972	4	4.82	54	65.06
1973	3	3.61	57	68.67
1974	4	4.82	61	73.49
1975	2	2.41	63	75.90
1976	4	4.82	67	80.72
1977	1	1.20	68	81.93
1978	2	2.41	70	84.34
1979	2	2.41	72	86.75
1980	2	2.41	74	89.16
1981	2	2.41	76	91.57
1983	3	3.61	79	95.18
1985	2	2.41	81	97.59
1986	1	1.20	82	98.80
1990	1	1.20	83	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
300.0-319.9 MW	15	18.07	15	18.07
320.0-339.9 MW	31	37.35	46	55.42
340.0-359.9 MW	20	24.10	66	79.52
360.0-379.9 MW	5	6.02	71	85.54
380.0-399.9 MW	12	14.46	83	100.00

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
GENERATING AVAILABILITY DATA SYSTEM
DISTRIBUTION OF KEY PARAMETERS
Date-10/13/05

FOSSIL Coal Primary 400-599 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	1	0.61	1	0.61
58.0- 58.9	1	0.61	2	1.22
65.0- 65.9	2	1.22	4	2.44
66.0- 66.9	1	0.61	5	3.05
67.0- 67.9	1	0.61	6	3.66
69.0- 69.9	4	2.44	10	6.10
70.0- 70.9	2	1.22	12	7.32
71.0- 71.9	2	1.22	14	8.54
72.0- 72.9	2	1.22	16	9.76
73.0- 73.9	1	0.61	17	10.37
74.0- 74.9	2	1.22	19	11.59
75.0- 75.9	1	0.61	20	12.20
76.0- 76.9	1	0.61	21	12.80
77.0- 77.9	6	3.66	27	16.46
78.0- 78.9	4	2.44	31	18.90
79.0- 79.9	12	7.32	43	26.22
80.0- 80.9	3	1.83	46	28.05
81.0- 81.9	7	4.27	53	32.32
82.0- 82.9	5	3.05	58	35.37
83.0- 83.9	9	5.49	67	40.85
84.0- 84.9	12	7.32	79	48.17
85.0- 85.9	16	9.76	95	57.93
86.0- 86.9	15	9.15	110	67.07
87.0- 87.9	11	6.71	121	73.78
88.0- 88.9	10	6.10	131	79.88
89.0- 89.9	13	7.93	144	87.80
90.0- 90.9	7	4.27	151	92.07
91.0- 91.9	2	1.22	153	93.29
92.0- 92.9	4	2.44	157	95.73
93.0- 93.9	4	2.44	161	98.17
94.0- 94.9	1	0.61	162	98.78
95.0- 95.9	2	1.22	164	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	0.61	1	0.61
33.0- 33.9	1	0.61	2	1.22
52.0- 52.9	1	0.61	3	1.83
55.0- 55.9	2	1.22	5	3.05
56.0- 56.9	1	0.61	6	3.66
57.0- 57.9	5	3.05	11	6.71
58.0- 58.9	1	0.61	12	7.32
59.0- 59.9	4	2.44	16	9.76
61.0- 61.9	1	0.61	17	10.37
62.0- 62.9	5	3.05	22	13.41
63.0- 63.9	5	3.05	27	16.46
64.0- 64.9	6	3.66	33	20.12
65.0- 65.9	8	4.88	41	25.00
66.0- 66.9	2	1.22	43	26.22
67.0- 67.9	4	2.44	47	28.66
68.0- 68.9	8	4.88	55	33.54
69.0- 69.9	5	3.05	60	36.59
70.0- 70.9	7	4.27	67	40.85
71.0- 71.9	3	1.83	70	42.68
72.0- 72.9	5	3.05	75	45.73
73.0- 73.9	4	2.44	79	48.17
74.0- 74.9	1	0.61	80	48.78
75.0- 75.9	7	4.27	87	53.05
76.0- 76.9	11	6.71	98	59.76
77.0- 77.9	13	7.93	111	67.68
78.0- 78.9	6	3.66	117	71.34
79.0- 79.9	10	6.10	127	77.44
80.0- 80.9	5	3.05	132	80.49
81.0- 81.9	6	3.66	138	84.15
82.0- 82.9	5	3.05	143	87.20
83.0- 83.9	6	3.66	149	90.85
84.0- 84.9	2	1.22	151	92.07
85.0- 85.9	3	1.83	154	93.90
86.0- 86.9	1	0.61	155	94.51
87.0- 87.9	2	1.22	157	95.73
88.0- 88.9	4	2.44	161	98.17
89.0- 89.9	1	0.61	162	98.78
90.0- 90.9	2	1.22	164	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	20	12.20	20	12.20
1.0- 1.9	51	31.10	71	43.29
2.0- 2.9	42	25.61	113	68.90
3.0- 3.9	19	11.59	132	80.49
4.0- 4.9	9	5.49	141	85.98
5.0- 5.9	11	6.71	152	92.68
6.0- 6.9	4	2.44	156	95.12
7.0- 7.9	3	1.83	159	96.95
8.0- 8.9	2	1.22	161	98.17
9.0- 9.9	1	0.61	162	98.78
10.0- 10.9	1	0.61	163	99.39
11.0- 11.9	1	0.61	164	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	1	0.61	1	0.61
1.0- 1.9	9	5.49	10	6.10
2.0- 2.9	16	9.76	26	15.85
3.0- 3.9	15	9.15	41	25.00
4.0- 4.9	22	13.41	63	38.41
5.0- 5.9	21	12.80	84	51.22
6.0- 6.9	11	6.71	95	57.93
7.0- 7.9	10	6.10	105	64.02
8.0- 8.9	11	6.71	116	70.73
9.0- 9.9	7	4.27	123	75.00
10.0- 10.9	8	4.88	131	79.88
11.0- 11.9	11	6.71	142	86.59
12.0- 12.9	6	3.66	148	90.24
13.0- 13.9	4	2.44	152	92.68
14.0- 14.9	1	0.61	153	93.29
16.0- 16.9	1	0.61	154	93.90
17.0- 17.9	2	1.22	156	95.12
18.0- 18.9	2	1.22	158	96.34
20.0- 20.9	2	1.22	160	97.56
21.0- 21.9	3	1.83	163	99.39
22.0- 22.9	1	0.61	164	100.00

EFORD	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	31	18.90	31	18.90
1.0- 1.9	27	16.46	58	35.37
2.0- 2.9	12	7.32	70	42.68
3.0- 3.9	10	6.10	80	48.78
4.0- 4.9	10	6.10	90	54.88
5.0- 5.9	9	5.49	99	60.37
6.0- 6.9	6	3.66	105	64.02
7.0- 7.9	6	3.66	111	67.68
8.0- 8.9	10	6.10	121	73.78
9.0- 9.9	4	2.44	125	76.22
10.0- 10.9	7	4.27	132	80.49
11.0- 11.9	12	7.32	144	87.80
12.0- 12.9	6	3.66	150	91.46
13.0- 13.9	2	1.22	152	92.68
14.0- 14.9	1	0.61	153	93.29
16.0- 16.9	1	0.61	154	93.90
17.0- 17.9	3	1.83	157	95.73
18.0- 18.9	1	0.61	158	96.34
20.0- 20.9	2	1.22	160	97.56
21.0- 21.9	3	1.83	163	99.39
22.0- 22.9	1	0.61	164	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1960	2	1.22	2	1.22
1962	1	0.61	3	1.83
1963	1	0.61	4	2.44
1964	2	1.22	6	3.66
1965	1	0.61	7	4.27
1966	1	0.61	8	4.88
1967	5	3.05	13	7.93
1968	8	4.88	21	12.80
1969	9	5.49	30	18.29
1970	11	6.71	41	25.00
1971	5	3.05	46	28.05
1972	6	3.66	52	31.71
1973	12	7.32	64	39.02
1974	5	3.05	69	42.07
1975	7	4.27	76	46.34
1976	5	3.05	81	49.39
1977	11	6.71	92	56.10
1978	10	6.10	102	62.20
1979	11	6.71	113	68.90
1980	12	7.32	125	76.22
1981	8	4.88	133	81.10
1982	11	6.71	144	87.80
1983	3	1.83	147	89.63
1984	3	1.83	150	91.46
1985	3	1.83	153	93.29
1986	1	0.61	154	93.90
1987	1	0.61	155	94.51
1988	1	0.61	156	95.12
1990	1	0.61	157	95.73
1992	1	0.61	158	96.34
1994	1	0.61	159	96.95
1995	2	1.22	161	98.17
1996	3	1.83	164	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
400.0-419.9 MW	23	14.02	23	14.02
420.0-439.9 MW	9	5.49	32	19.51
440.0-459.9 MW	5	3.05	37	22.56
460.0-479.9 MW	3	1.83	40	24.39
480.0-499.9 MW	7	4.27	47	28.66
500.0-519.9 MW	60	36.59	107	65.24
520.0-539.9 MW	7	4.27	114	69.51
540.0-559.9 MW	16	9.76	130	79.27
560.0-579.9 MW	22	13.41	152	92.68
580.0-599.9 MW	12	7.32	164	100.00

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
GENERATING AVAILABILITY DATA SYSTEM
DISTRIBUTION OF KEY PARAMETERS
Date-10/13/05

FOSSIL Coal Primary 600-799 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
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0.0- 0.9	1	1.05	1	1.05
71.0- 71.9	1	1.05	2	2.11
72.0- 72.9	1	1.05	3	3.16
74.0- 74.9	3	3.16	6	6.32
76.0- 76.9	5	5.26	11	11.58
77.0- 77.9	3	3.16	14	14.74
78.0- 78.9	4	4.21	18	18.95
79.0- 79.9	4	4.21	22	23.16
80.0- 80.9	4	4.21	26	27.37
81.0- 81.9	1	1.05	27	28.42
82.0- 82.9	4	4.21	31	32.63
83.0- 83.9	11	11.58	42	44.21
84.0- 84.9	10	10.53	52	54.74
85.0- 85.9	5	5.26	57	60.00
86.0- 86.9	7	7.37	64	67.37
87.0- 87.9	5	5.26	69	72.63
88.0- 88.9	9	9.47	78	82.11
89.0- 89.9	5	5.26	83	87.37
90.0- 90.9	6	6.32	89	93.68
91.0- 91.9	4	4.21	93	97.89
93.0- 93.9	1	1.05	94	98.95
94.0- 94.9	1	1.05	95	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	1.05	1	1.05
30.0- 30.9	1	1.05	2	2.11
51.0- 51.9	1	1.05	3	3.16
54.0- 54.9	1	1.05	4	4.21
59.0- 59.9	1	1.05	5	5.26
61.0- 61.9	2	2.11	7	7.37
63.0- 63.9	2	2.11	9	9.47
64.0- 64.9	5	5.26	14	14.74
65.0- 65.9	1	1.05	15	15.79
66.0- 66.9	3	3.16	18	18.95
68.0- 68.9	1	1.05	19	20.00
69.0- 69.9	2	2.11	21	22.11
70.0- 70.9	3	3.16	24	25.26
71.0- 71.9	7	7.37	31	32.63
72.0- 72.9	2	2.11	33	34.74
73.0- 73.9	5	5.26	38	40.00
74.0- 74.9	9	9.47	47	49.47
75.0- 75.9	6	6.32	53	55.79
76.0- 76.9	10	10.53	63	66.32
77.0- 77.9	4	4.21	67	70.53
78.0- 78.9	1	1.05	68	71.58
79.0- 79.9	2	2.11	70	73.68
80.0- 80.9	4	4.21	74	77.89
81.0- 81.9	3	3.16	77	81.05
82.0- 82.9	4	4.21	81	85.26
83.0- 83.9	5	5.26	86	90.53
84.0- 84.9	2	2.11	88	92.63
86.0- 86.9	1	1.05	89	93.68
87.0- 87.9	2	2.11	91	95.79
88.0- 88.9	3	3.16	94	98.95
90.0- 90.9	1	1.05	95	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	21	22.11	21	22.11
1.0- 1.9	25	26.32	46	48.42
2.0- 2.9	14	14.74	60	63.16
3.0- 3.9	12	12.63	72	75.79
4.0- 4.9	11	11.58	83	87.37
5.0- 5.9	7	7.37	90	94.74
6.0- 6.9	2	2.11	92	96.84
7.0- 7.9	2	2.11	94	98.95
10.0- 10.9	1	1.05	95	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	1.05	1	1.05
1.0- 1.9	8	8.42	9	9.47
2.0- 2.9	10	10.53	19	20.00
3.0- 3.9	16	16.84	35	36.84
4.0- 4.9	5	5.26	40	42.11
5.0- 5.9	8	8.42	48	50.53
6.0- 6.9	9	9.47	57	60.00
7.0- 7.9	4	4.21	61	64.21
8.0- 8.9	6	6.32	67	70.53
9.0- 9.9	7	7.37	74	77.89
10.0- 10.9	6	6.32	80	84.21
11.0- 11.9	6	6.32	86	90.53
12.0- 12.9	2	2.11	88	92.63
13.0- 13.9	2	2.11	90	94.74
14.0- 14.9	2	2.11	92	96.84
16.0- 16.9	1	1.05	93	97.89
17.0- 17.9	1	1.05	94	98.95
21.0- 21.9	1	1.05	95	100.00

EFORd	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	25	26.32	25	26.32
1.0- 1.9	17	17.89	42	44.21
2.0- 2.9	5	5.26	47	49.47
3.0- 3.9	8	8.42	55	57.89
4.0- 4.9	3	3.16	58	61.05
5.0- 5.9	8	8.42	66	69.47
6.0- 6.9	3	3.16	69	72.63
7.0- 7.9	3	3.16	72	75.79
8.0- 8.9	4	4.21	76	80.00
9.0- 9.9	5	5.26	81	85.26
10.0- 10.9	3	3.16	84	88.42
11.0- 11.9	3	3.16	87	91.58
12.0- 12.9	2	2.11	89	93.68
13.0- 13.9	2	2.11	91	95.79
14.0- 14.9	2	2.11	93	97.89
16.0- 16.9	1	1.05	94	98.95
21.0- 21.9	1	1.05	95	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1963	2	2.11	2	2.11
1968	2	2.11	4	4.21
1969	8	8.42	12	12.63
1970	4	4.21	16	16.84
1971	10	10.53	26	27.37
1972	8	8.42	34	35.79
1973	5	5.26	39	41.05
1974	5	5.26	44	46.32
1975	2	2.11	46	48.42
1976	2	2.11	48	50.53
1977	6	6.32	54	56.84
1978	6	6.32	60	63.16
1979	2	2.11	62	65.26
1980	5	5.26	67	70.53
1981	2	2.11	69	72.63
1982	4	4.21	73	76.84
1983	4	4.21	77	81.05
1984	4	4.21	81	85.26
1985	3	3.16	84	88.42
1986	3	3.16	87	91.58
1987	1	1.05	88	92.63
1988	1	1.05	89	93.68
1989	1	1.05	90	94.74
1991	2	2.11	92	96.84
2003	3	3.16	95	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
600.0-619.9 MW	18	18.95	18	18.95
620.0-639.9 MW	11	11.58	29	30.53
640.0-659.9 MW	8	8.42	37	38.95
660.0-679.9 MW	19	20.00	56	58.95
680.0-699.9 MW	4	4.21	60	63.16
700.0-719.9 MW	12	12.63	72	75.79
720.0-739.9 MW	5	5.26	77	81.05
740.0-759.9 MW	13	13.68	90	94.74
760.0-779.9 MW	3	3.16	93	97.89
780.0-799.9 MW	2	2.11	95	100.00

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
GENERATING AVAILABILITY DATA SYSTEM
DISTRIBUTION OF KEY PARAMETERS
Date-10/13/05

FOSSIL Coal Primary 800-999 MW 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	4.00	1	4.00
71.0- 71.9	1	4.00	2	8.00
74.0- 74.9	1	4.00	3	12.00
79.0- 79.9	1	4.00	4	16.00
80.0- 80.9	1	4.00	5	20.00
81.0- 81.9	1	4.00	6	24.00
83.0- 83.9	3	12.00	9	36.00
85.0- 85.9	1	4.00	10	40.00
86.0- 86.9	3	12.00	13	52.00
87.0- 87.9	5	20.00	18	72.00
88.0- 88.9	2	8.00	20	80.00
89.0- 89.9	1	4.00	21	84.00
90.0- 90.9	1	4.00	22	88.00
91.0- 91.9	1	4.00	23	92.00
93.0- 93.9	2	8.00	25	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	4.00	1	4.00
63.0- 63.9	1	4.00	2	8.00
66.0- 66.9	1	4.00	3	12.00
67.0- 67.9	1	4.00	4	16.00
70.0- 70.9	3	12.00	7	28.00
72.0- 72.9	3	12.00	10	40.00
74.0- 74.9	1	4.00	11	44.00
75.0- 75.9	1	4.00	12	48.00
76.0- 76.9	2	8.00	14	56.00
78.0- 78.9	2	8.00	16	64.00
79.0- 79.9	2	8.00	18	72.00
80.0- 80.9	2	8.00	20	80.00
81.0- 81.9	1	4.00	21	84.00
84.0- 84.9	1	4.00	22	88.00
85.0- 85.9	1	4.00	23	92.00
88.0- 88.9	1	4.00	24	96.00
91.0- 91.9	1	4.00	25	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	7	28.00	7	28.00
1.0- 1.9	12	48.00	19	76.00
2.0- 2.9	1	4.00	20	80.00
3.0- 3.9	2	8.00	22	88.00
4.0- 4.9	1	4.00	23	92.00
5.0- 5.9	1	4.00	24	96.00
6.0- 6.9	1	4.00	25	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	2	8.00	2	8.00
1.0- 1.9	5	20.00	7	28.00
2.0- 2.9	7	28.00	14	56.00
3.0- 3.9	4	16.00	18	72.00
5.0- 5.9	1	4.00	19	76.00
6.0- 6.9	2	8.00	21	84.00
7.0- 7.9	1	4.00	22	88.00
9.0- 9.9	1	4.00	23	92.00
14.0- 14.9	1	4.00	24	96.00
18.0- 18.9	1	4.00	25	100.00

EForD	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	17	68.00	17	68.00
2.0- 2.9	1	4.00	18	72.00
3.0- 3.9	1	4.00	19	76.00
5.0- 5.9	1	4.00	20	80.00
6.0- 6.9	1	4.00	21	84.00
7.0- 7.9	1	4.00	22	88.00
9.0- 9.9	1	4.00	23	92.00
14.0- 14.9	1	4.00	24	96.00
18.0- 18.9	1	4.00	25	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1966	1	4.00	1	4.00
1967	1	4.00	2	8.00
1968	1	4.00	3	12.00
1970	1	4.00	4	16.00
1971	1	4.00	5	20.00
1973	1	4.00	6	24.00
1974	2	8.00	8	32.00
1975	1	4.00	9	36.00
1976	2	8.00	11	44.00
1977	1	4.00	12	48.00
1978	1	4.00	13	52.00
1980	2	8.00	15	60.00
1981	1	4.00	16	64.00
1982	1	4.00	17	68.00
1983	1	4.00	18	72.00
1984	2	8.00	20	80.00
1986	1	4.00	21	84.00
1987	3	12.00	24	96.00
1989	1	4.00	25	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
800.0-819.9 MW	10	40.00	10	40.00
820.0-839.9 MW	5	20.00	15	60.00
840.0-859.9 MW	2	8.00	17	68.00
860.0-879.9 MW	2	8.00	19	76.00
880.0-899.9 MW	3	12.00	22	88.00
900.0-919.9 MW	2	8.00	24	96.00
940.0-959.9 MW	1	4.00	25	100.00

NORTH AMERICAN ELECTRIC RELIABILITY COUNCIL
GENERATING AVAILABILITY DATA SYSTEM
DISTRIBUTION OF KEY PARAMETERS
Date-10/13/05

FOSSIL Coal Primary 1000 MW Plus 2000-2004 Data

EAF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	8.33	1	8.33
62.0- 62.9	1	8.33	2	16.67
68.0- 68.9	1	8.33	3	25.00
70.0- 70.9	1	8.33	4	33.33
77.0- 77.9	1	8.33	5	41.67
81.0- 81.9	1	8.33	6	50.00
84.0- 84.9	2	16.67	8	66.67
86.0- 86.9	1	8.33	9	75.00
87.0- 87.9	1	8.33	10	83.33
88.0- 88.9	1	8.33	11	91.67
90.0- 90.9	1	8.33	12	100.00

NCF	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	8.33	1	8.33
58.0- 58.9	1	8.33	2	16.67
59.0- 59.9	1	8.33	3	25.00
64.0- 64.9	1	8.33	4	33.33
71.0- 71.9	1	8.33	5	41.67
73.0- 73.9	2	16.67	7	58.33
74.0- 74.9	1	8.33	8	66.67
75.0- 75.9	1	8.33	9	75.00
76.0- 76.9	1	8.33	10	83.33
77.0- 77.9	1	8.33	11	91.67
81.0- 81.9	1	8.33	12	100.00

FOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	2	16.67	2	16.67
2.0- 2.9	4	33.33	6	50.00
4.0- 4.9	2	16.67	8	66.67
7.0- 7.9	1	8.33	9	75.00
8.0- 8.9	1	8.33	10	83.33
9.0- 9.9	2	16.67	12	100.00

EFOR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	1	8.33	1	8.33
1.0- 1.9	1	8.33	2	16.67
4.0- 4.9	2	16.67	4	33.33
5.0- 5.9	2	16.67	6	50.00
8.0- 8.9	1	8.33	7	58.33
9.0- 9.9	1	8.33	8	66.67
15.0- 15.9	1	8.33	9	75.00
16.0- 16.9	1	8.33	10	83.33
17.0- 17.9	1	8.33	11	91.67
23.0- 23.9	1	8.33	12	100.00

EFORD	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
0.0- 0.9	5	41.67	5	41.67
1.0- 1.9	2	16.67	7	58.33
2.0- 2.9	1	8.33	8	66.67
5.0- 5.9	1	8.33	9	75.00
9.0- 9.9	1	8.33	10	83.33
17.0- 17.9	1	8.33	11	91.67
23.0- 23.9	1	8.33	12	100.00

YEAR	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1969	1	8.33	1	8.33
1972	1	8.33	2	16.67
1973	2	16.67	4	33.33
1974	2	16.67	6	50.00
1975	2	16.67	8	66.67
1980	1	8.33	9	75.00
1984	1	8.33	10	83.33
1989	1	8.33	11	91.67
1991	1	8.33	12	100.00

RATING (MW)	FREQUENCY	PERCENT	CUMULATIVE FREQUENCY	CUMULATIVE PERCENT
1000+ MW	12	100.00	12	100.00

CERTIFICATE OF SERVICE

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I certify that on November 1, 2006, I served the foregoing Staff Corrections upon all parties of record in this proceeding by delivering a copy by electronic mail and by mailing a copy by postage prepaid first class mail or by hand delivery/shuttle mail to the parties accepting paper service.

JIM DEASON - CONFIDENTIAL
ATTORNEY AT LAW
1 SW COLUMBIA ST - STE 1600
PORTLAND OR 97258-2014
jimdeason@comcast.net

CABLE HUSTON BENEDICT ET AL
TAMARA FAUCETTE
1001 SW 5TH AVE STE 2000
PORTLAND OR 97204
tfaucette@chbh.com

ROBERT VALDEZ
PO BOX 2148
SALEM OR 97308-2148
bob.valdez@state.or.us

CHAD M STOKES
1001 SW 5TH - STE 2000
PORTLAND OR 97204
cstokes@chbh.com

AF LEGAL & CONSULTING SERVICES
ANN L FISHER - **CONFIDENTIAL**
ATTORNEY AT LAW
PO BOX 25302
PORTLAND OR 97298-0302
energlaw@aol.com

CITIZENS' UTILITY BOARD OF OREGON
LOWREY R BROWN - **CONFIDENTIAL**
UTILITY ANALYST
610 SW BROADWAY - STE 308
PORTLAND OR 97205
lowrey@oregoncub.org

BOEHM KURTZ & LOWRY
KURT J BOEHM - **CONFIDENTIAL**
ATTORNEY
36 E SEVENTH ST - STE 1510
CINCINNATI OH 45202
kboehm@bklfirm.com

JASON EISDORFER - **CONFIDENTIAL**
ENERGY PROGRAM DIRECTOR
610 SW BROADWAY STE 308
PORTLAND OR 97205
jason@oregoncub.org

MICHAEL L KURTZ - **CONFIDENTIAL**
36 E 7TH ST STE 1510
CINCINNATI OH 45202-4454
mkurtz@bklfirm.com

COMMUNITY ACTION DIRECTORS OF OR
JIM ABRAHAMSON - **CONFIDENTIAL**
COORDINATOR
PO BOX 7964
SALEM OR 97303-0208
jim@cado-oregon.org

BONNEVILLE POWER ADMINISTRATION
GEOFFREY M KRONICK LC7 - **CONFIDENTIAL**
PO BOX 3621
PORTLAND OR 97208-3621
gmkronick@bpa.gov

CONSTELLATION NEWENERGY INC
WILLIAM H CHEN
REGULATORY CONTACT
2175 N CALIFORNIA BLVD STE 300
WALNUT CREEK CA 94596
bill.chen@constellation.com

CRAIG SMITH
PO BOX 3621--L7
PORTLAND OR 97208-3621
csmith@bpa.gov

DANIEL W MEEK ATTORNEY AT LAW
DANIEL W MEEK - **CONFIDENTIAL**
ATTORNEY AT LAW
10949 SW 4TH AVE
PORTLAND OR 97219
dan@meek.net

BRUBAKER & ASSOCIATES INC
JAMES T SELECKY - **CONFIDENTIAL**
1215 FERN RIDGE PKWY - STE 208
ST. LOUIS MO 63141
jtselecky@consultbai.com

1
2 **DAVISON VAN CLEVE PC**
3 S BRADLEY VAN CLEVE - **CONFIDENTIAL**
4 333 SW TAYLOR - STE 400
5 PORTLAND OR 97204
6 mail@dvclaw.com

7 **EPCOR MERCHANT & CAPITAL (US) INC**
8 LORNE WHITTLES
9 MGR - PNW MARKETING
10 1161 W RIVER ST STE 250
11 BOISE ID 83702
12 lwhittles@epcor.ca

13 **GRESHAM CITY ATTORNEY'S OFFICE**
14 DAVID R RIS
15 SR. ASST. CITY ATTORNEY
16 CITY OF GRESHAM
17 1333 NW EASTMAN PARKWAY
18 GRESHAM OR 97030
19 david.ris@ci.gresham.or.us

20 **GRESHAM CITY OF**
21 JOHN HARRIS -**CONFIDENTIAL**
22 TRANSPORTATION OPERATIONS
23 SUPERINTENDENT
24 1333 NW EASTMAN PKWY
25 GRESHAM OR 97030
26 john.harris@ci.gresham.or.us

KAFOURY & MCDUGAL
LINDA K WILLIAMS - **CONFIDENTIAL**
ATTORNEY AT LAW
10266 SW LANCASTER RD
PORTLAND OR 97219-6305
linda@lindawilliams.net

LEAGUE OF OREGON CITIES
ANDREA FOGUE - **CONFIDENTIAL**
SENIOR STAFF ASSOCIATE
PO BOX 928
1201 COURT ST NE STE 200
SALEM OR 97308
afogue@orcities.org

MCDOWELL & ASSOCIATES PC
KATHERINE A MCDOWELL
ATTORNEY
520 SW SIXTH AVE - SUITE 830
PORTLAND OR 97204
katherine@mcd-law.com

W
NORTHWEST ECONOMIC RESEARCH INC
LON L PETERS - **CONFIDENTIAL**
607 SE MANCHESTER PLACE
PORTLAND OR 97202
lpeters@pacifier.com

NORTHWEST NATURAL
ELISA M LARSON - **CONFIDENTIAL**
ASSOCIATE COUNSEL
220 NW 2ND AVE
PORTLAND OR 97209
elisa.larson@nwnatural.com

NORTHWEST NATURAL GAS CO
ALEX MILLER - **CONFIDENTIAL**
DIRECTOR - REGULATORY AFFAIRS
220 NW SECOND AVE
PORTLAND OR 97209-3991
alex.miller@nwnatural.com

PACIFICORP
LAURA BEANE
MANAGER - REGULATORY
825 MULTNOMAH STE 300
PORTLAND OR 97232
laura.beane@pacificorp.com

W
PORTLAND CITY OF - OFFICE OF CITY ATT
BENJAMIN WALTERS - **CONFIDENTIAL**
DEPUTY CITY ATTORNEY
1221 SW 4TH AVE - RM 430
PORTLAND OR 97204
bwalters@ci.portland.or.us

W
PORTLAND CITY OF - OFFICE OF
TRANSPORTATION
RICHARD GRAY
STRATEGIC PROJECTS MGR/SMIF
ADMINISTRATOR
1120 SW 5TH AVE RM 800
PORTLAND OR 97204
richard.gray@pdxtrans.org

W
PORTLAND CITY OF ENERGY OFFICE
DAVID TOOZE
SENIOR ENERGY SPECIALIST
721 NW 9TH AVE -- SUITE 350
PORTLAND OR 97209-3447
dtooze@ci.portland.or.us

PORTLAND GENERAL ELECTRIC
PGE - OPUC FILINGS
RATES & REGULATORY AFFAIRS
121 SW SALMON ST 1WTC0702
PORTLAND OR 97204
pge.opuc.filings@pgn.com

DOUGLAS C TINGEY - **CONFIDENTIAL**
121 SW SALMON 1WTC13
PORTLAND OR 97204
doug.tingey@pgn.com

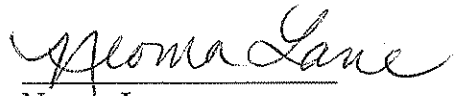
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11
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13
14
15
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17
18
19
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21
22
23
24
25
26

PRESTON GATES ELLIS LLP
HARVARD P SPIGAL
222 SW COLUMBIA ST STE 1400
PORTLAND OR 97201-6632
hspigal@prestongates.com

SEMPRA GLOBAL
THEODORE E ROBERTS
101 ASH ST HQ 13D
SAN DIEGO CA 92101-3017
troberts@sempra.com

SEMPRA GLOBAL
LINDA WRAZEN
101 ASH ST HQ8C
SAN DIEGO CA 92101-3017
lwrazen@sempraglobal.com

SMIGEL ANDERSON & SACKS
SCOTT H DEBROFF
RIVER CHASE OFFICE CENTER
4431 NORTH FRONT ST
HARRISBURG PA 17110
sdebroy@sasllp.com



Neomia Lane
Legal Secretary
Department of Justice
Regulated Utility & Business Section