
APPENDIX C

WISCONSIN UTILITY PROFILES

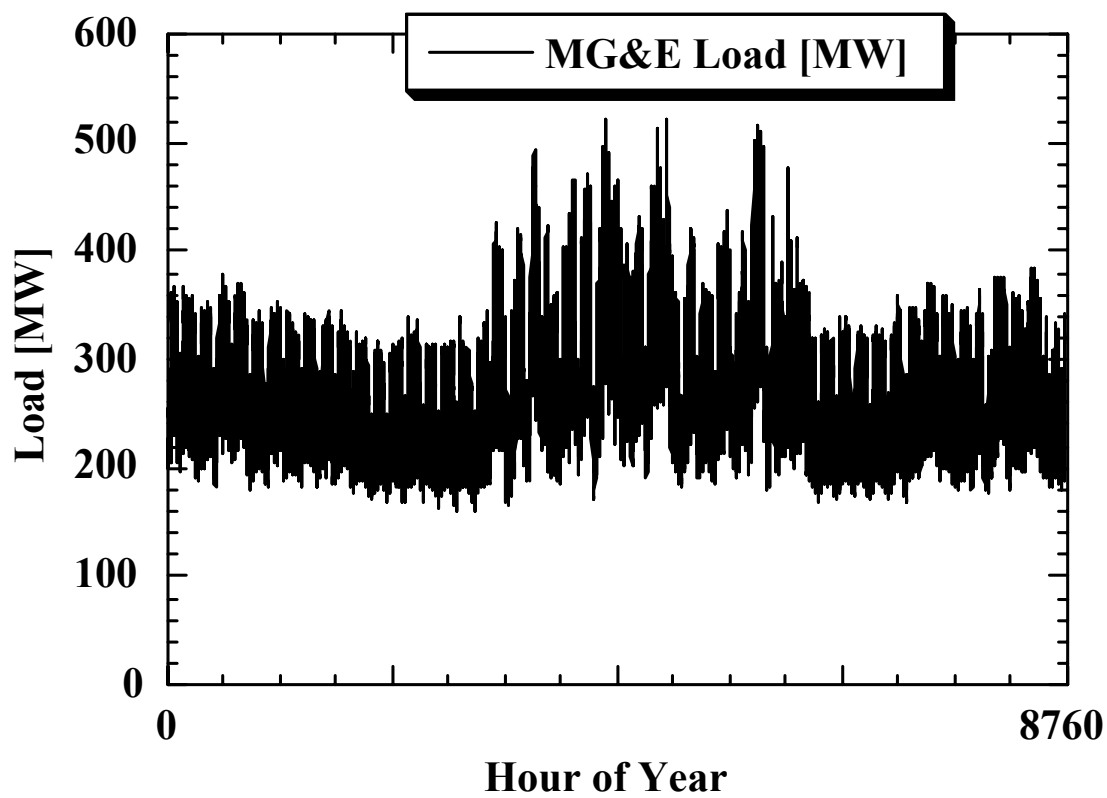


Figure C.1: Madison Gas & Electric 1991 Load

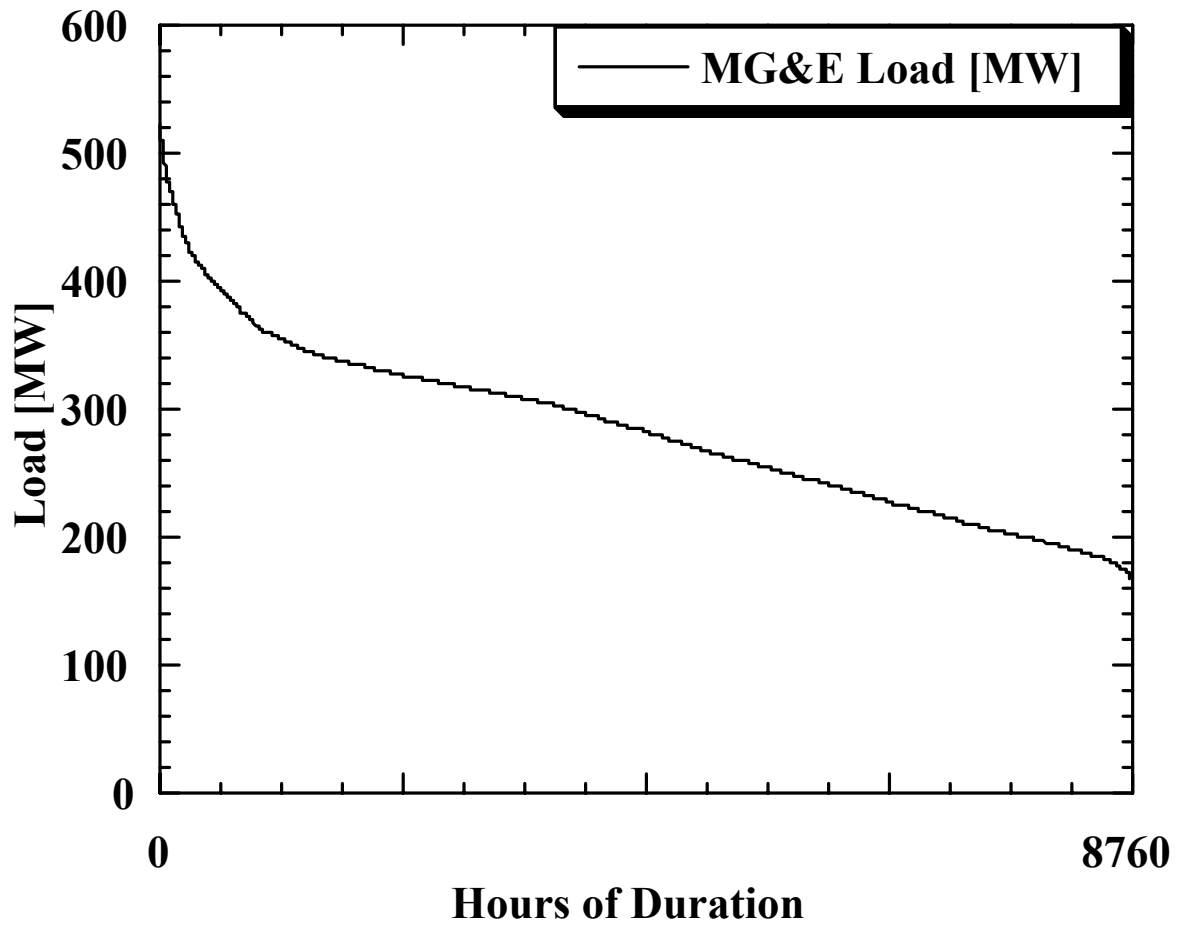


Figure C.2: Madison Gas & Electric 1991 Load Duration Curve

Table C.1: Madison Gas & Electric Outage Information

MG&E			Outages			
			Sched.	Forced Outage Rates.		
Plant	Unit	Capacity		Full	Partial	Partial
Name	(#)	(MW)	(Wks/yr.)	(%)	(MW)	(%)
Kewaunee	1	93	6	1.1		—
Columbia	1	113	5	4.1	88	15.5
Columbia	2	111	5	1.0	96	15.5
Blount 1&2B	1	6	1	20.0		
Blount 3&11B	5	27	2	3.0		
Blount 5&6B	3	38	2	3.0		
Blount 7B	4	23	2	3.0		
Blount 6T/8B	6	50	3	7.5		
Blount 7T/9B	7	49	3	2.3		
Fitchburg 1	1	21	1	15.0		
Fitchburg 2	2	21	1	15.0		
Sycamore 1	1	14	1	15.0		
Sycamore 2	2	20	1	15.0		
Nine springs	1	14	1	15.0		
CTs (New)		40	1	3.5		
CCs (New)		120	2	5.5		

Table C.2: Madison Gas & Electric Forced Outage Capacity

MG&E Plant	Unit	F. O. Adjusted Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Kewaunee	1	91.98	0.0048	1	91.98
Columbia	2	95.01	0.0117	2	186.99
Columbia	1	94.73	0.0183	3	281.71
CCs (New)		113.40	0.0201	4	395.11
Blount 7T/9B	7	47.87	0.0283	5	442.99
Blount 6T/8B	6	46.25	0.0283	6	489.24
CTs (New)		38.60	0.0292	7	527.84
Fitchburg 1	1	17.85	0.0309	8	545.69
Fitchburg 2	2	17.85	0.0309	9	563.54
Nine springs	1	11.90	0.0313	10	575.44
Sycamore 2	2	17.00	0.0328	11	592.44
Sycamore 1	1	11.90	0.0346	12	604.34
Blount 7B	4	22.31	0.0371	13	626.65
Blount 5&6B	3	36.86	0.0371	14	663.51
Blount 3&11B	5	26.19	0.0374	15	689.70
Blount 1&2B	1	4.80	0.0417	16	694.50

Table C.3: Madison Gas & Electric Forced & Scheduled Outage Adjusted Capacity

MG&E Plant	Unit	F&S. O. Adjusted Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Kewaunee	1	58.84	0.0048	1	58.84
Columbia	2	62.05	0.0117	2	120.89
Columbia	1	61.17	0.0183	3	182.07
CCs (New)		99.15	0.0201	4	281.21
Blount 7T/9B	7	39.14	0.0283	5	320.36
blount 6T/8B	6	37.34	0.0283	6	357.70
CTs (New)		36.22	0.0292	7	393.92
Fitchburg 1	1	16.60	0.0309	8	410.53
Fitchburg 2	2	16.60	0.0309	9	427.13
Nine springs	1	11.07	0.0313	10	438.20
Sycamore 2	2	15.81	0.0328	11	454.01
Sycamore 1	1	11.07	0.0346	12	465.08
Blount 7B	4	19.58	0.0371	13	484.66
Blount 5&6B	3	32.35	0.0371	14	517.00
Blount 3&11B	5	22.98	0.0374	15	539.99
Blount 1&2B	1	4.44	0.0417	16	544.43

Table C.4: Madison Gas & Electric Average Annual Load Fossil Pollutant Rates

MG&E Plant Name	Unit (#)	Capacity (MW)	Emissions (#/MWh)					
			CO₂	SO₂	N₂O	NO_x	CH₄	Part.
Columbia	1	113	2207	13.89	0.011	4.97	0.018	0.518
Columbia	2	111	2195	5.67	0.011	3.50	0.018	0.206
Blount 1&2B	1	6	2261	0.00	0.19	5.320	0.000	0.00
Blount 5&6B	3	38	1955	0.00	0.16	4.600	0.000	0.00
Blount 7B	4	23	1956	0.00	0.16	4.602	0.000	0.00
Blount 7B	4	23	3386	57.53	0.16	13.150	0.000	0.49
Blount 3&11B	5	27	1969	0.00	0.17	4.634	0.000	0.00
Blount 6T/8B	6	50	1488	0.00	0.13	3.500	0.000	0.00
Blount 6T/8B	6	50	2575	15.00	0.13	10.000	0.000	0.38
Blount 7T/9B	7	49	1488	0.00	0.13	3.500	0.000	0.00
Blount 7T/9B	7	49	2575	15.00	0.13	10.000	0.000	0.38
Fitchburg 1	1	21	1584	0.00	0.13	5.459	0.000	0.13
Fitchburg 2	2	21	1588	0.00	0.13	5.472	0.000	0.13
Sycamore 1	1	14	1809	0.00	0.15	6.232	0.000	0.15
Sycamore 2	2	20	1699	0.00	0.14	5.855	0.000	0.14
Nine Springs	1	14	1581	0.00	0.13	5.446	0.000	0.13
CTs (New)		40	1525	0.00	0.17	1.098	0.122	0.00
CCs (New)		120	999	0.00	0.11	0.240	0.064	0.00

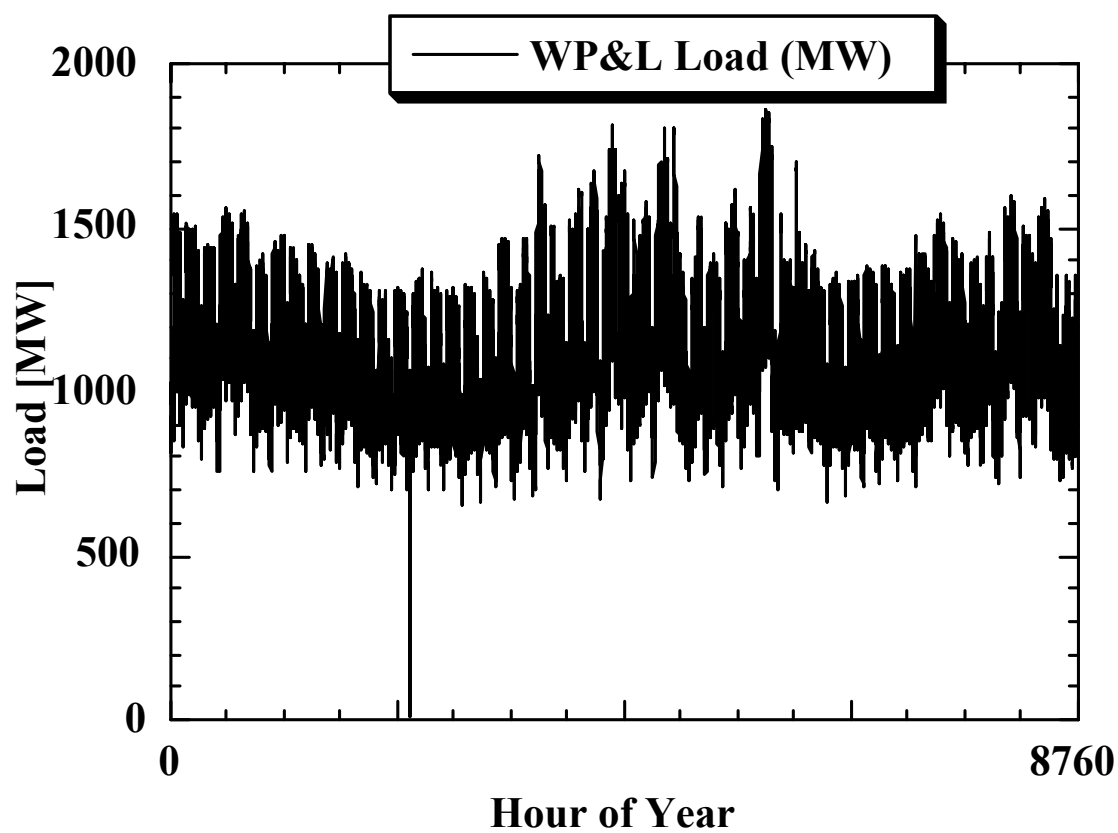


Figure C.3: Wisconsin Power & Light 1991 Load

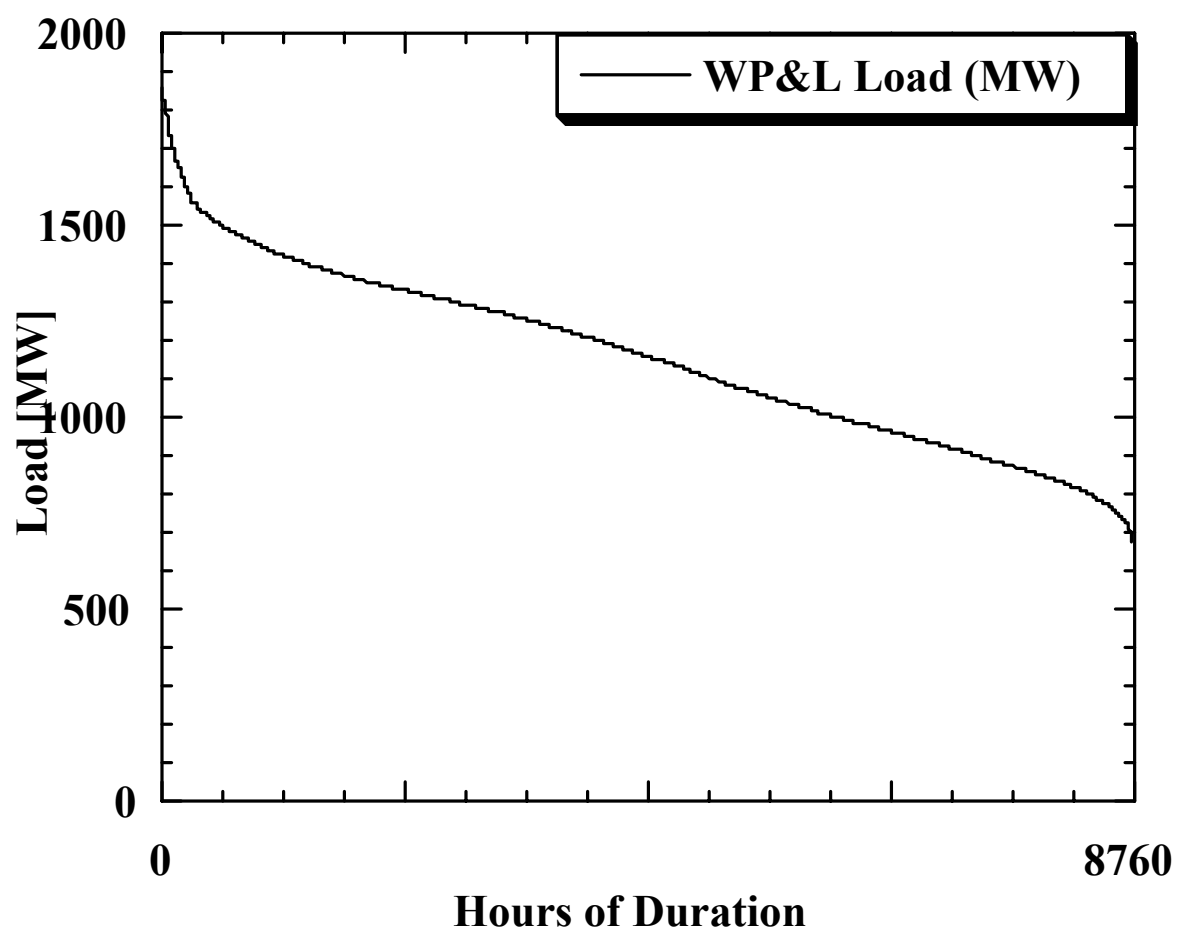


Figure C.4: Wisconsin Power & Light Load Duration Curve

Table C.5: Wisconsin Power & Light Outage Information

WP&L			Outages			
Plant	Unit	Capacity	Sched.	Forced	Outage Rates.	
Name	(#)	(MW)	(Wks/yr.)	Full	Partial	Partial
				(%)	(MW)	(%)
Columbia	1	237	5	8.0	0	0.0
	2	236	5	7.8	0	0.0
Edgewater	3	70	4	3.1	0	0.0
	4	217	4	5.4	0	0.0
	5	294	4	2.5	0	0.0
Nelson Dewey	1	108	4	8.1	0	0.0
	2	111	4	2.4	0	0.0
Rock River	1	73	4	1.6	0	0.0
	2	74	4	5.7	0	0.0
	3	25	0	4.3	0	0.0
	4	13	0	4.3	0	0.0
	5	46	0	4.3	0	0.0
	6	44	0	4.3	0	0.0
Blackhawk	3	27	0	4.3	0	0.0
	4	28	0	4.3	0	0.0
Kewaunee	1	214	6	3.4	0	0.0

Table C.6: Wisconsin Power & Light Forced Outage Capacity

WP&L Plant	Unit	F. O. Adj. Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Kewaunee	1	206.72	0.0076	1	206.72
Columbia	2	217.59	0.0110	2	424.31
Edgewater	4	205.28	0.0124	3	629.59
Edgewater	5	286.65	0.0129	4	916.24
Nelson Dewey	2	108.34	0.0136	5	1024.58
Nelson Dewey	1	99.25	0.0137	6	1123.83
Rock River	1	71.83	0.0141	7	1195.66
Columbia	1	218.04	0.0141	8	1413.70
Rock River	2	69.78	0.0143	9	1483.48
Edgewater	3	26.83	0.0158	10	1510.31
Blackhawk	4	26.80	0.0390	11	1537.11
Blackhawk	3	25.84	0.0404	12	1562.95
Rock River	5	44.02	0.0433	13	1606.97
Rock River	6	42.11	0.0436	14	1649.08
Rock River	4	12.44	0.0511	15	1661.52
Rock River	3	23.93	0.0581	16	1685.45

**Table C.7: Wisconsin Power & Light Forced & Scheduled
Outage Adjusted Capacity**

WP&L Plant	Unit	F.&S.O. Adj. Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Kewaunee	1	147.25	0.0076	1	147.25
Columbia	2	147.10	0.0110	2	294.35
Edgewater	4	51.10	0.0124	3	345.45
Edgewater	5	153.43	0.0129	4	498.88
North Dewey	2	216.40	0.0136	5	715.28
North Dewey	1	73.45	0.0137	6	788.73
Rock River	1	81.81	0.0141	7	870.54
Columbia	1	54.39	0.0141	8	924.93
Rock River	2	52.10	0.0143	9	977.03
Edgewater	3	23.93	0.0158	10	1000.95
Blackhawk	4	12.44	0.0390	11	1013.39
Blackhawk	3	44.02	0.0404	12	1057.41
Rock River	5	42.11	0.0433	13	1099.52
Rock River	6	25.84	0.0436	14	1125.36
Rock River	4	26.80	0.0511	15	1152.16
Rock River	3	130.02	0.0581	16	1282.18

Table C.8: Wisconsin Power & Light Average Annual Load Fossil Pollutant Rates

WP&L Plant Name	Unit (#)	Capacity (MW)	Emissions (#/MWh)					
			CO ₂	SO ₂	N ₂ O	NO _x	CH ₄	Part.
Columbia	1	237	2207	13.89	0.011	4.97	0.018	0.518
	2	236	2195	5.67	0.011	3.50	0.018	0.206
Edgewater	3	70	2383	23.37	0.141	22.46	0.017	1.146
	4	217	1991	19.53	0.118	18.86	0.014	0.957
	5	294	2165	6.71	0.011	3.76	0.017	0.000
Nelson Dewey	1	108	2150	7.54	0.127	8.47	0.016	0.620
	2	111	2123	7.45	0.126	9.19	0.015	1.838
Rock River	1	73	2134	29.76	0.126	14.16	0.014	1.026
	2	74	2167	30.21	0.128	19.27	0.015	1.667
	3	25	2069	0.18	0.071	73.03	0.005	—
	4	13	1837	0.16	0.063	64.83	0.005	—
	5	46	1452	0.12	0.050	51.25	0.004	—
	6	44	1463	0.13	0.050	51.63	0.004	—
Blackhawk	3	27	1418	0.12	0.048	1673	0.004	—
	4	28	1362	0.12	0.047	17.93	0.003	—

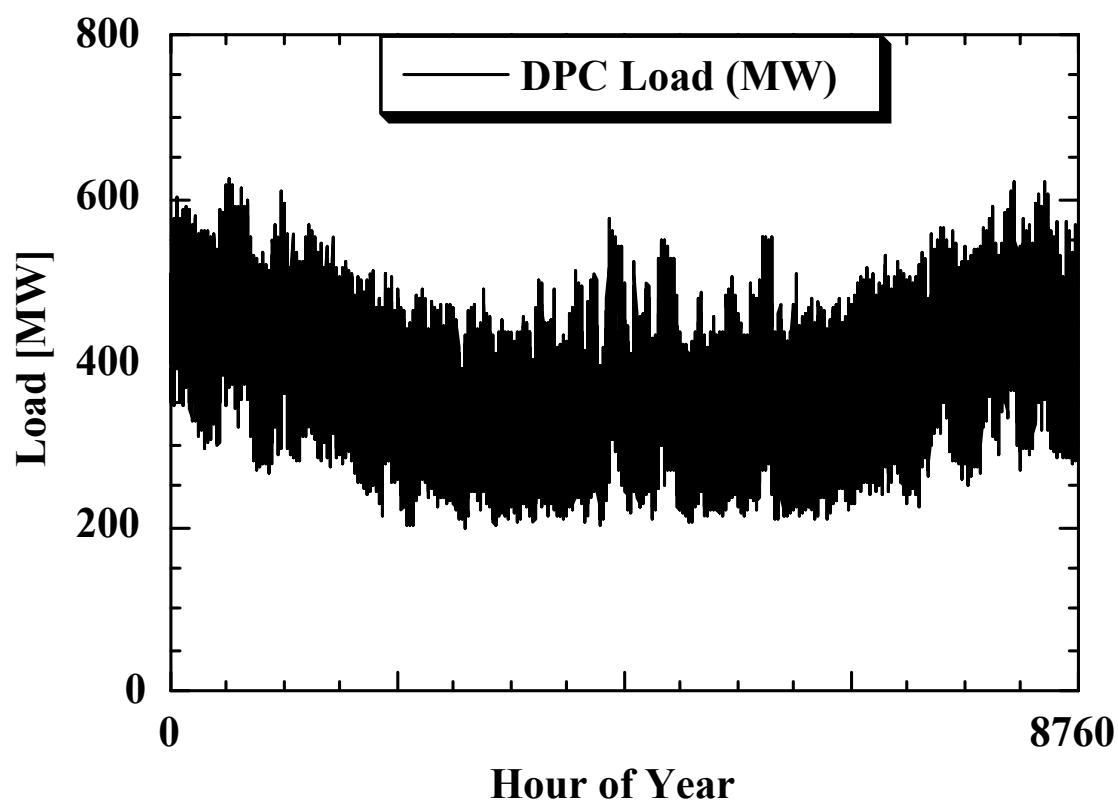


Figure C.5: Dairyland Power Cooperative 1991 Load

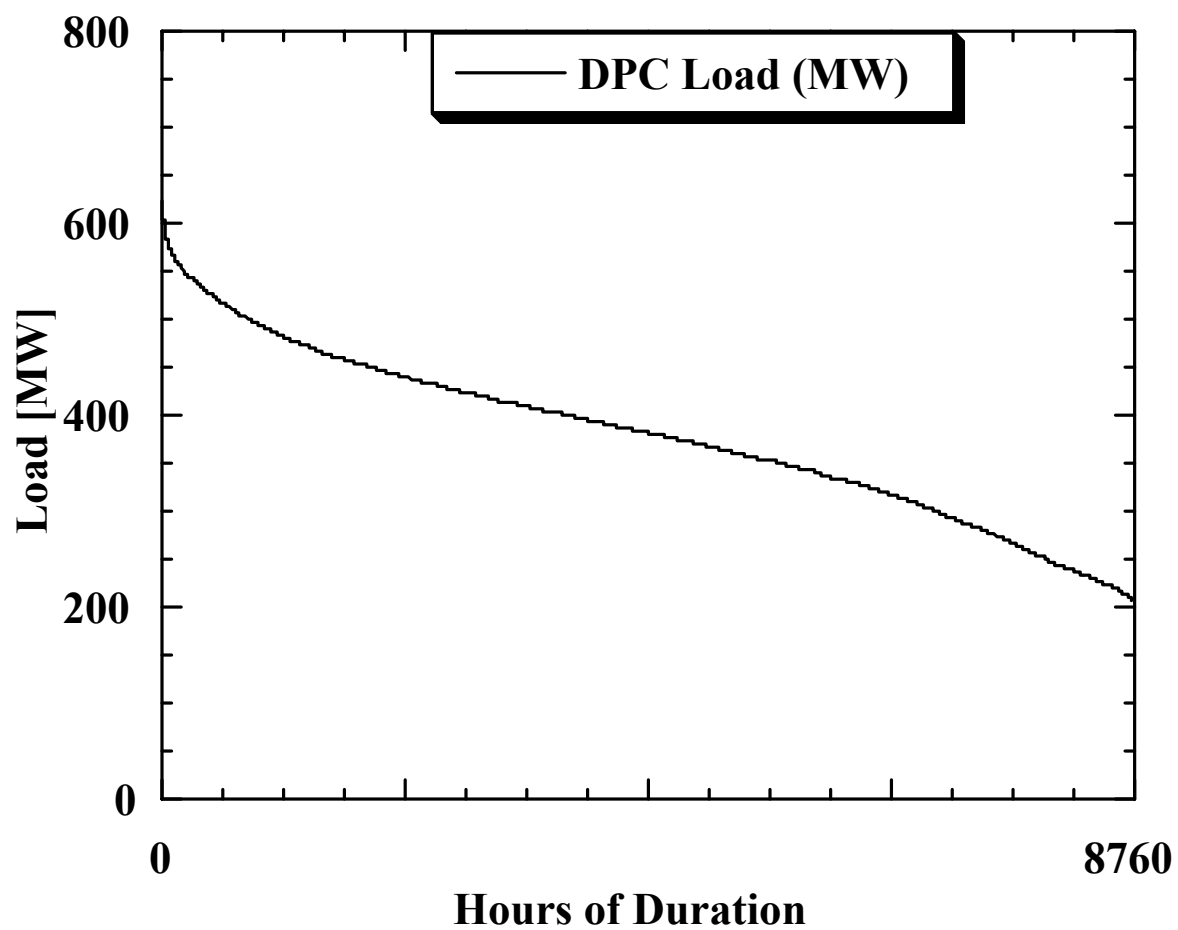


Figure C.6: Dairyland Power Cooperative Load Duration Curve

Table C.9: Dairyland Power Cooperative Outage Information

DPC			Outages			
			Sched.	Forced	Outage Rates	
Plant	Unit	Capacity		Full	Partial	Partial
Name	(#)	(MW)	(Wks/yr.)	(%)	(MW)	(%)
Alma	1	20	1 (1)	7.69	_(2)	
Alma	2	22	1 (1)	7.69	_(2)	
Alma	3	21	1 (1)	7.69	_(2)	
Alma	4	59	2 (1)	4.60	_(2)	
Alma	5	85	2 (1)	3.10	_(2)	
JPM	1	374	4 (1)	4.00	_(2)	
Genoa 3	3	376	4 (1)	12.00	_(2)	
Flambeau	Hydro	21				

- (1) Scheduled maintenance is typically on a 5 year cycle. First 4 years of the cycle include routine inspection of boiler and turbine-generator(shown in table),the fifth year includes major inspection and overhaul of boiler and turbine-generator.
- (2) Equivalent forced outage rate.

Table C.10: Dairyland Power Cooperative Forced Outage Capacity

DPC Plant	Unit	F. O. Adj. Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Alma	1	18.46	N/A	?	18.46
Alma	2	20.31	N/A	?	38.77
Alma	3	19.39	N/A	?	58.16
Alma	4	56.29	N/A	?	114.44
Alma	5	82.37	N/A	?	196.81
JPM	1	359.04	N/A	?	555.85
Genoa 3	3	330.88	N/A	?	886.73
Flambeau	Hydro	21.00	N/A	?	907.73

**Table C.11: Dairyland Power Cooperative Average Annual Load
Fossil Pollutant Rates**

Plant Name	Unit (#)	Capacity (MW)	Emissions (#/MWh)					
			CO ₂	SO ₂	N ₂ O	NO _x	CH ₄	Part.
Alma	1	20	2797	26.64	0.04	12.65	0.01	0.13
Alma	2	22	2797	26.64	0.04	12.65	0.01	0.13
Alma	3	21	2797	26.64	0.04	12.65	0.01	0.13
Alma	4	59	2333	22.22	0.03	10.55	0.011	0.11
Alma	5	85	2209	21.04	0.03	9.99	0.011	0.21
Genoa 3	3	376	2183	14.98	0.03	8.56	0.011	1.61
JPM		374	1831	6.55	0.03	4.20	0.008	0.25

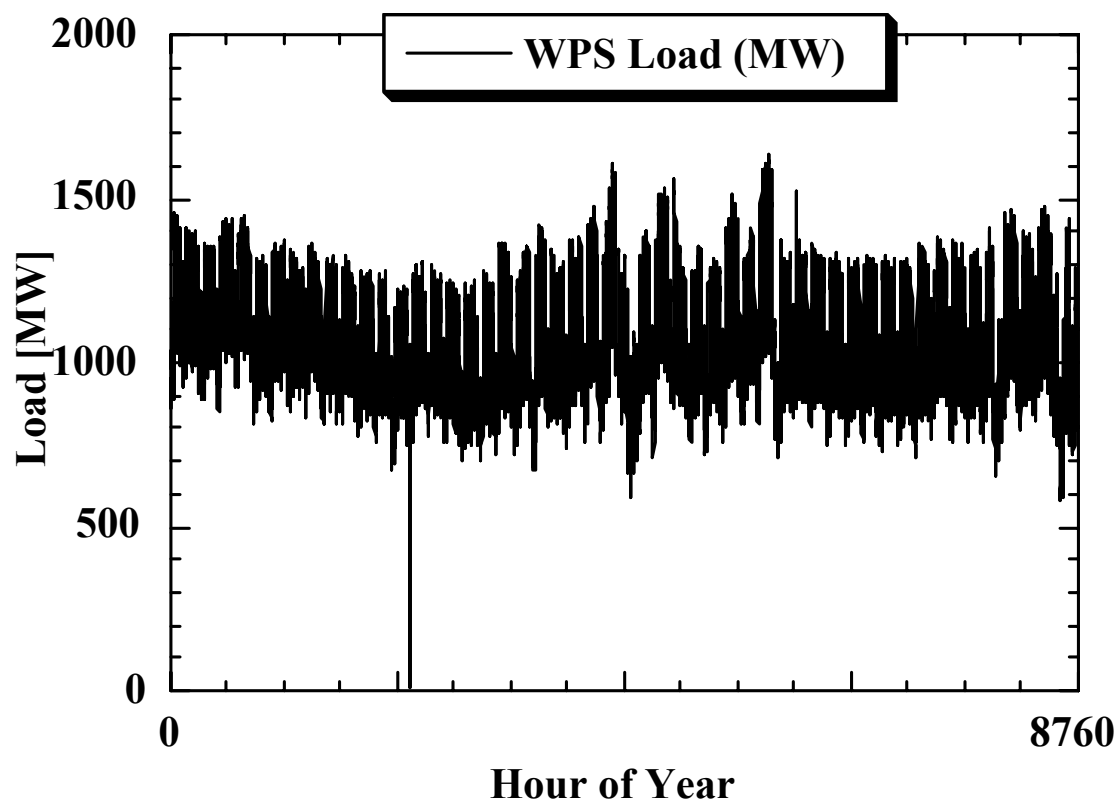


Figure C.7: Wisconsin Public Service 1991 Load

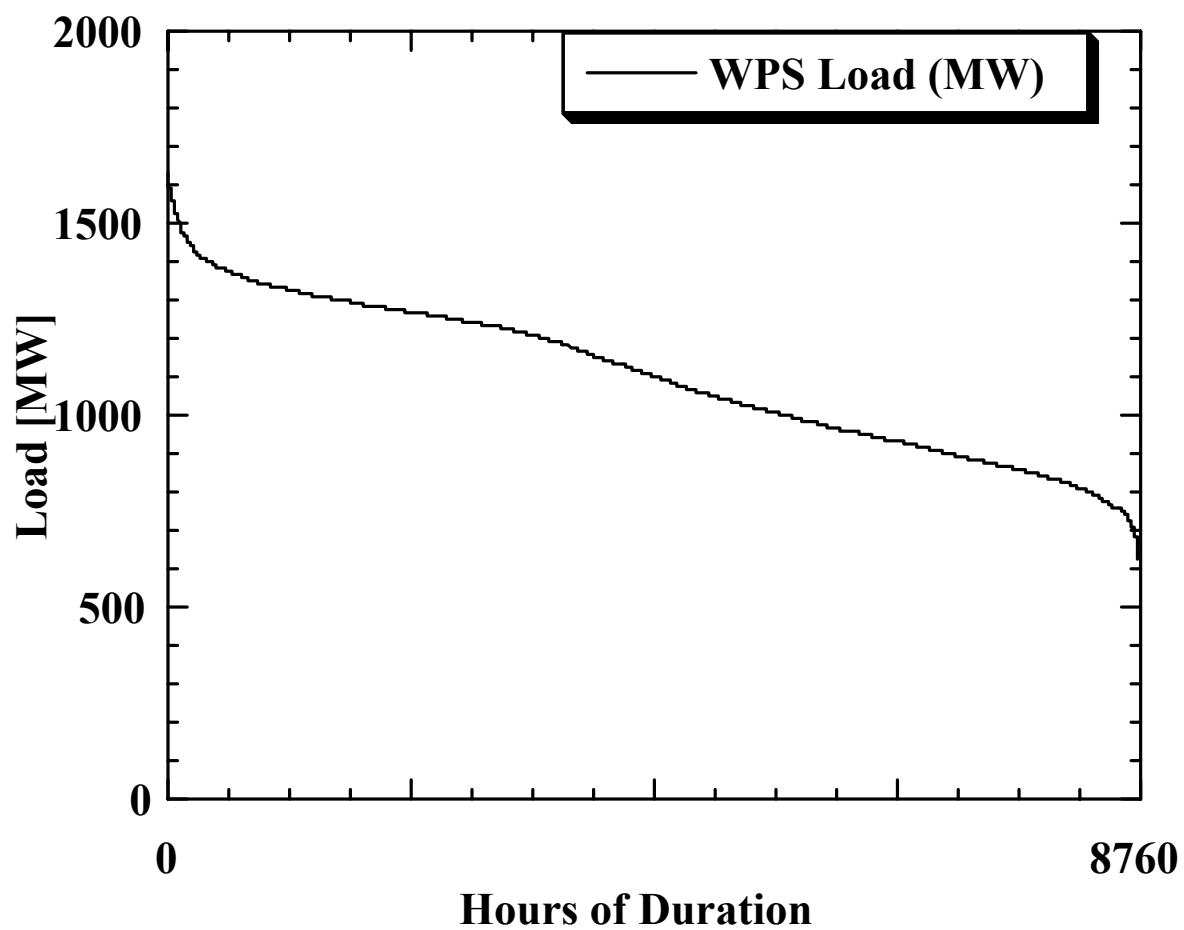


Figure C.8: Wisconsin Public Service Load Duration Curve

Table C.12: Wisconsin Public Service Outage Information

WPS			Outages			
WPS			Sched.	Forced	Outage Rates	
Plant	Unit	Capacity		Full	Partial	Partial
Name	(#)	(MW)	(Wks/yr.)	(%)	(MW)	(%)
Kewaunee(4)	1	212	6(3)	1.7	—	—
Puliam	8	135	2(1)	5.0	25	57.0
Puliam	7	88	2(1)	5.0	16	87.0
Puliam	6	67	2(1)	5.0	14	36.0
Puliam	5	52	2(1)	5.0	16	45.0
Puliam	4	27	2(1)	18.0	15	35.0
Puliam	3	26	2(1)	18.0	14	35.0
Weston	3	337	4(1)(6)	5.0	59	3.9
Weston	2	92	2(1)	5.0	15	31.6
Weston	1	68	2(1)	5.0	12	16.1
Columbia(4)	2	158	5(2)	7.0	58	4.4
Columbia(4)	1	162	5(2)	6.0	48	5.9
Edgewater(4)	4	104	5(2)	6.0	34	4.3
Weston	31	20	2	5.0	5	5.0
Weston	32	50	1	5.0	14	5.0
W. Marinette	31	40	1	5.0	11	5.0
W. Marinette	32	40	1	5.0	9	5
Marinette(5)	33	75	2	4.3	19	0
Eagle River	1	4	0	5.0	—	—

- (1) Six week outage every five years.
 (2) Eight week outage every five years.
 (3) Eight week outage every ten years.
 (4) Jointly Owned Unit
 (5) Jointly owned unit but whole unit shown. WPS owns 51 MW and Marshfield owns 24 MW.
 (6) Three week scheduled maintenance outage; fourth week in fall to model periodic precipitator maintenance outages.

Table C.13: Wisconsin Public Service Forced Outage Capacity

WPS Plant	Unit	F. O. Adj. Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Kewaunee	1	208.40	0.0053	1	208.40
Weston	2	82.66	0.0109	2	291.06
Columbia	2	144.39	0.0113	3	435.44
Edgewater	4	96.30	0.0113	4	531.74
Puliam	6	58.61	0.0162	6	590.35
Weston	3	317.85	0.0119	6	908.20
Puliam	5	42.20	0.0167	7	950.40
Columbia	1	149.45	0.0118	8	1099.85
Weston	1	62.67	0.0121	9	1162.52
Puliam	8	114.00	0.0137	10	1276.52
Puliam	7	69.68	0.0140	11	1346.20
Puliam	3	16.42	0.0242	12	1362.62
Puliam	4	16.89	0.0253	13	1379.51
Weston	32	46.80	0.0417	14	1426.31
W. Marinette	33	46.80	0.0355	14	1473.11
W. Marinette	32	46.80	0.0425	15	1519.91
W. Marinette	31	46.80	0.0427	16	1566.71
Weston	31	18.75	0.0483	17	1585.46
Eagle River	1	46.80	0.0552	18	1632.26

Table C.14: Wisconsin Public Service Forced & Scheduled Outage Capacity

WPS Plant	Unit	F&S O. Adj. Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Kewaunee	1	135.41	0.0053	1	135.41
Weston	2	72.10	0.0109	2	207.52
Columbia	2	99.06	0.0113	3	306.58
Edgewater	4	66.46	0.0113	4	373.04
Columbia	1	102.97	0.0118	5	476.01
Weston	3	240.50	0.0119	6	716.51
Weston	1	54.86	0.0121	7	771.38
Puliam	8	98.51	0.0137	8	869.89
Puliam	7	59.58	0.0140	9	929.47
Puliam	6	50.92	0.0162	10	980.39
Puliam	5	36.23	0.0167	11	1016.62
Puliam	3	13.44	0.0242	12	1030.06
Puliam	4	13.79	0.0253	13	1043.85
Weston	32	43.93	0.0417	14	1087.78
W. Marinette	33	63.17	0.0355	14	1150.95
W. Marinette	32	35.25	0.0425	15	1186.21
W. Marinette	31	35.15	0.0427	16	1221.36
Weston	31	16.45	0.0483	17	1237.82
Eagle River	1	3.80	0.0552	18	1241.62

**Table C.15: Wisconsin Public Service Average Annual Load
Fossil Pollutant Rates**

WPS Plant Name	Unit (#)	Capacity (MW)	Emissions (#/MWh)					
			CO ₂	SO ₂	N ₂ O	NO _x	CH ₄	Part.
Puliam	8	135	2043	17.20	0.031	8.75	0.010	1.32
Puliam	7	88	2081	17.52	0.031	8.92	0.010	0.73
Puliam	6	67	2387	11.06	0.036	12.60	0.012	0.24
Puliam	5	52	2432	11.27	0.036	12.84	0.012	0.36
Puliam	4	27	2672	12.38	0.040	14.11	0.013	0.93
Puliam	3	26	2543	11.78	0.038	13.43	0.013	0.25
Weston	3	337	2074	8.13	0.030	12.09	0.020	0.30
Weston	2	92	2170	8.50	0.032	12.54	0.021	0.21
Weston	1	68	2381	8.19	0.034	2.50	0.023	0.34
Columbia	2	158	2196	13.82	0.031	4.95	0.010	0.52
Columbia	1	162	2226	5.75	0.031	3.55	0.010	0.21
Edgewater	4	104	1986	19.48	0.096	18.81	0.010	0.96
Weston	31	20	3276	12.84	0.048	18.94	0.032	0.32
Weston	32	50	2658	10.42	0.039	15.36	0.026	0.26
W. Marinette	31	40	N/A	N/A	N/A	N/A	N/A	N/A
W. Marinette	32	40	N/A	N/A	N/A	N/A	N/A	N/A
W. Marinette	33	75	N/A	N/A	N/A	N/A	N/A	N/A
Eagle River	1	4	N/A	N/A	N/A	N/A	N/A	N/A

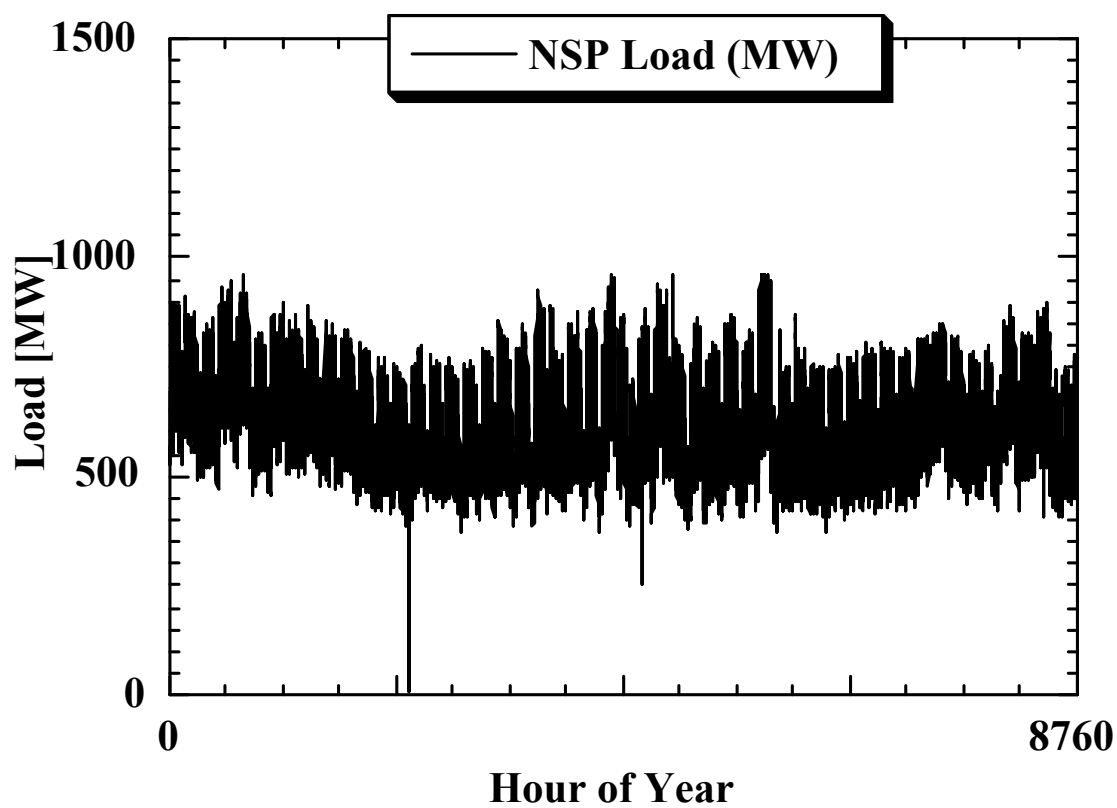


Figure C.9: Northern States Power 1991 Load

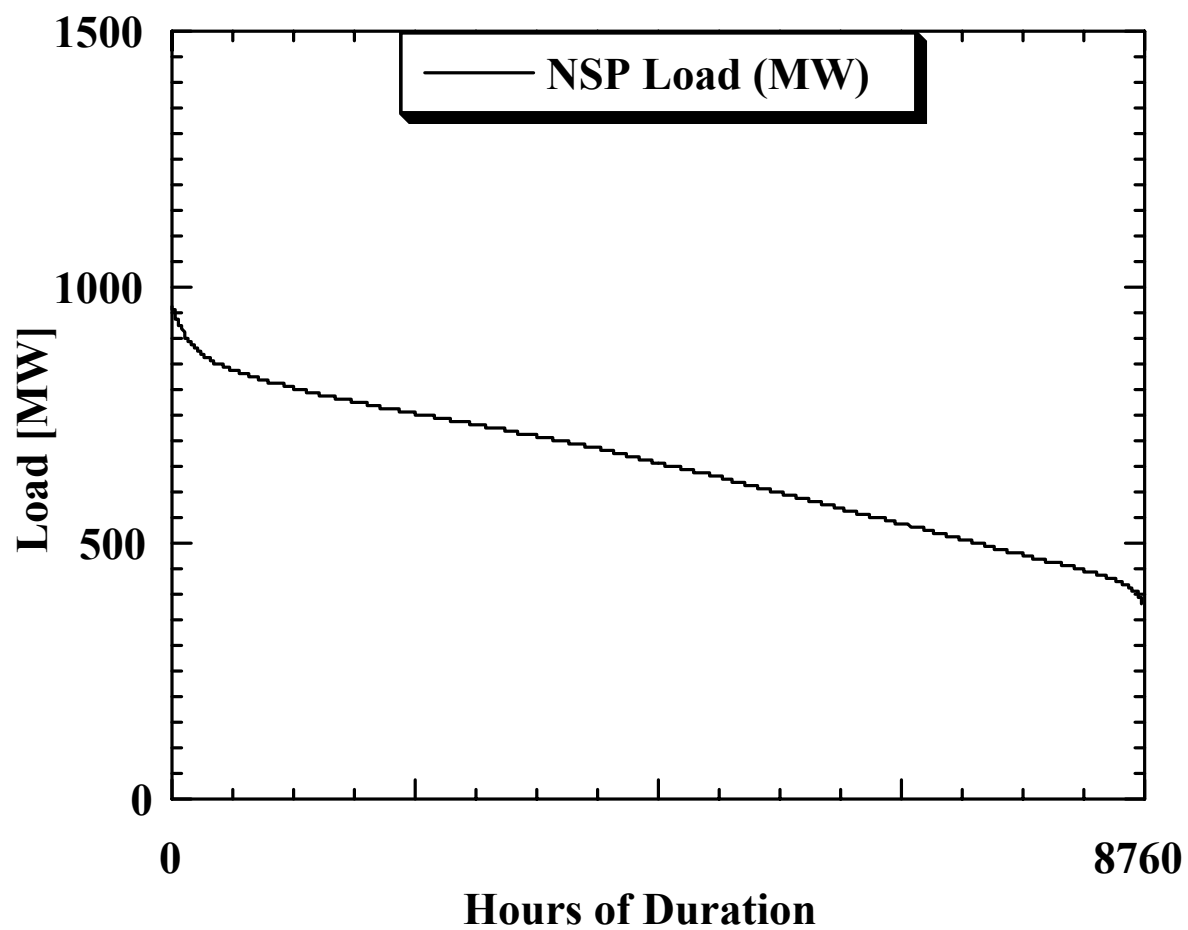


Figure C.10: Northern States Power Load Duration Curve

Table C.16: Northern States Power Outage Information

NSP			Outages			
Plant	Unit	Capacity	Sched.	Forced	Outage Rates.	
Name	(#)	(MW)	(Wks/yr.)	(%)	(MW)	(%)
A S King		574	5	7.0		
Sherburne Co.	1	712	2	3.0		
Sherburne Co.	2	712	2	5.0		
Sherburne Co.	3	871	3	5.0		
Riverside	8	215	4	15.0		
Riverside	7	130	2	10.0		
Black Dog	1	78	2	15.0		
Black Dog	2	100	2	35.0		
Black Dog	3	110	2	15.0		
Black Dog	4	176	2	20.0		
High Bridge	5	93	2	10.0		
High Bridge	6	169	2	18.0		
Minnesota Valley		48	2	15.0		
Red Wing	1	12	4	10.0		
Red Wing	2	12	4	10.0		
Wilmarth	1	11	4	10.0		
Wilmarth	2	11	4	10.0		
Bayfront	4	20	4	7.0		
Bayfront	5	23	4	7.0		
Bayfront	6	30	4	7.0		
French Is.	1	15	2	7.0		
French Is.	2	14	2	7.0		
Pathfinder		64	2	20.0		
Monticello		552	4	5.0		
Prairie Island	1	524	4	3.0		
Prairie Island	2	524	4	3.0		
Oil CTs		1113		15.0		
Gas CTs		186		40.0		

Table C.17: Northern States Power Forced Outage Adjusted Capacity

NSP Plant	Unit	F. O. Adj. Cap.	Fuel & O&M	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Prairie Island	2	508.28	0.0051	1	508.28
Prairie Island	1	508.28	0.0054	2	1016.56
Monticello		524.40	0.0059	3	1540.96
Red Wing	2	10.80	0.0114	4	1551.76
Red Wing	1	10.80	0.0119	5	1562.56
Sherburne Co.	3	827.45	0.0125	6	2390.01
A S King		533.82	0.0125	7	2923.83
Gas CTs		111.60	0.0138	8	3035.43
Oil CTs		946.05	0.0138	9	3981.48
Riverside	8	182.75	0.0142	10	4164.23
Sherburne Co.	1	690.64	0.0142	11	4854.87
Sherburne Co.	2	676.40	0.0143	12	5531.27
High Bridge	6	138.58	0.0154	13	5669.85
Riverside	7	117.00	0.0161	14	5786.85
High Bridge	5	83.70	0.0162	15	5870.55
Black Dog	4	140.80	0.0164	16	6011.35
Wilmarth	1	9.90	0.0165	17	6021.25
Black Dog	2	65.00	0.0167	18	6086.25
Black Dog	3	93.50	0.0167	19	6179.75
Wilmarth	2	9.90	0.0176	20	6189.65
Black Dog	1	66.30	0.0176	21	6255.95
Minnesota Valley		40.80	0.0181	22	6296.75
Bayfront	6	27.90	0.0223	23	6324.65
Bayfront	5	21.39	0.0232	24	6346.04
French Is.	2	13.02	0.0233	25	6359.06
French Is.	1	13.95	0.0236	26	6373.01
Bayfront	4	18.60	0.0248	27	6391.61
Pathfinder		51.20	0.0481	28	6442.81

Table C.18: Northern States Power Forced & Scheduled Outage Adjusted Capacity

NSP Plant	Unit	F.&S. O. Adj. Cap.	(Fuel & O&M)	Least Cost	CUMULATIVE CAPACITY
Name	(#)	(MW)	(\$/kWh)	Ranking	(MW)
Prairie Island	2	383.81	0.0051	1	383.81
Prairie Island	1	383.81	0.0054	2	767.62
Monticello		393.28	0.0059	3	1160.90
Red Wing	2	7.95	0.0114	4	1168.85
Red Wing	1	7.95	0.0119	5	1176.80
Sherburne Co.	3	672.28	0.0125	6	1849.07
A S King		363.39	0.0125	7	2212.46
Gas CTs		111.60	0.0138	8	2324.06
Oil CTs		946.05	0.0138	9	3270.11
Riverside	8	131.68	0.0142	10	3401.79
Sherburne Co.	1	606.08	0.0142	11	4007.86
Sherburne Co.	2	591.84	0.0143	12	4599.70
High Bridge	6	118.51	0.0154	13	4718.21
Riverside	7	101.56	0.0161	14	4819.77
High Bridge	5	72.65	0.0162	15	4892.42
Black Dog	4	119.90	0.0164	16	5012.32
Wilmarth	1	7.29	0.0165	17	5019.60
Black Dog	2	53.12	0.0167	18	5072.73
Black Dog	3	80.44	0.0167	19	5153.16
Wilmarth	2	7.29	0.0176	20	5160.45
Black Dog	1	57.04	0.0176	21	5217.49
Minnesota Valley		35.10	0.0181	22	5252.58
Bayfront	6	20.77	0.0223	23	5273.36
Bayfront	5	15.93	0.0232	24	5289.28
French Is.	2	11.36	0.0233	25	5300.64
French Is.	1	12.17	0.0236	26	5312.81
Bayfront	4	13.85	0.0248	27	5326.66
Pathfinder		43.60	0.0481	28	5370.26

Table C.19: Northern States Power Average Annual Load Fossil Pollutant Rates

NSP Plant Name	Unit (#)	Capacity (MW)	Emissions					Part.
			CO ₂	SO ₂	N ₂ O	NO _x	CH ₄	
A S King		574	N/A	15.17	N/A	8.255	N/A	0.29
Sherburne Co.	1	712	N/A	2.72	N/A	4.289	N/A	0.52
Sherburne Co.	2	712	N/A	2.72	N/A	4.289	N/A	0.52
Sherburne Co.	3	871	N/A	2.53	N/A	3.991	N/A	0.49
Riverside	8	215	N/A	4.00	N/A	9.790	N/A	0.80
Riverside	7	130	N/A	4.60	N/A	11.262	N/A	0.92
Black Dog	1	78	N/A	7.18	N/A	9.218	N/A	0.36
Black Dog	2	100	N/A	6.70	N/A	8.604	N/A	0.34
Black Dog	3	110	N/A	6.72	N/A	8.622	N/A	0.34
Black Dog	4	176	N/A	6.55	N/A	8.411	N/A	0.33
High Bridge	5	93	N/A	4.94	N/A	7.183	N/A	1.01
High Bridge	6	169	N/A	4.65	N/A	6.767	N/A	0.95
Minnesota Valley		48	N/A	10.29	N/A	6.150	N/A	0.53
Red Wing	1	12	N/A	4.88	N/A	5.718	N/A	0.67
Red Wing	2	12	N/A	4.66	N/A	5.466	N/A	0.64
Wilmarth	1	11	N/A	2.81	N/A	5.286	N/A	0.50
Wilmarth	2	11	N/A	2.99	N/A	5.635	N/A	0.53
Bayfront	4	20	N/A	6.78	N/A	8.793	N/A	2.93
Bayfront	5	23	N/A	6.25	N/A	8.105	N/A	2.70
Bayfront	6	30	N/A	5.94	N/A	7.701	N/A	2.57
French Is.	1	15	N/A	1.46	N/A	6.642	N/A	1.30
French Is.	2	14	N/A	1.43	N/A	6.537	N/A	1.28
Pathfinder		64	N/A	0.00	N/A	5.118	N/A	0.12
Monticello		552	N/A	0.00	N/A	0.000	N/A	0.00
Prairie Island	1	524	N/A	0.00	N/A	0.000	N/A	0.00
Prairie Island	2	524	N/A	0.00	N/A	0.000	N/A	0.00
Oil CTs		1113	N/A	0.60	N/A	0.255	N/A	0.02
Gas CTs		186	N/A	7.65	N/A	1.200	N/A	0.15

