Case No. U-12651
Exhibit A-___(GWM-2)
Witness: G.W.Marx
Date: June 5, 2001

Northern States Power Company, Wisconsin

d/b/a Xcel Energy

Michigan Retail Electric

Revenue Model, Rate Design and Cost of Service Summary

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Service			Present	Proposed
PSCR Clause *			(0.028) ¢	(0.028) ¢
Residential Service		**MR-1**		
Customer Charge per Month			$ 4.25	$ 4.25
Energy Charge per kWh			6.70 ¢	
Unbundled Charges per kWh				
System Supply Charge				4.01 ¢
Distribution Delivery Charge				2.69 ¢
	subtotal			6.70
Residential Time of Day Service		**MR-2**		
Customer Charge per Month			$ 6.75	$ 6.75
Energy Charge per kWh				
On-Peak			12.52 ¢	
Off-Peak			2.95 ¢	
Unbundled Charges per kWh				
On-Peak				
System Supply Charge				9.83 ¢
Distribution Delivery Charge				2.69 ¢
	subtotal			12.52 ¢
Off-Peak				
System Supply Charge				0.26 ¢
Distribution Delivery Charge			-	2.69 ¢
	subtotal			2.95 ¢
Automatic Outdoor Lighting		**MOL-1**		
175 Watt Mercury Vapor			$ 7.69	$ 7.69
250 Watt Mercury Vapor			$ 10.98	$ 10.98
100 Watt Sodium Vapor			$ 6.15	$ 6.15
250 Watt Sodium Vapor			$ 8.85	$ 8.85
400 Watt Sodium Vapor			$ 12.40	$ 12.40
Small Commercial Service		**MSC-1**		
Customer Charge per Month				
Single Phase			$ 7.50	$ 7.50
Three Phase			$ 12.50	$ 12.50
Energy Charge per kWh			6.91 ¢	
Unbundled Charges per kWh				
System Supply Charge				4.22 ¢
Distribution Delivery Charge				2.69 ¢
	subtotal			6.91 ¢
Athletic Field Rider		**MA-1**		
Single Phase			$ 7.50	$ 7.50
Three Phase			$ 12.50	$ 12.50

* PSCR factor for 2000 is shown. Factors for 2001 and 2002 have not yet been approved by the MPSC.

Northern States Power Company-Wisconsin
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Service		Present	Proposed
Small General Time-of-Day Service	**MST-1**		
Customer Charge per Month			
Single Phase		$ 10.50	$ 10.50
Three Phase		$ 15.50	$ 15.50
Energy Charge per kWh			
On-Peak		12.52 ¢	
Off-Peak		2.95 ¢	
Unbundled Charges per kWh			
On-Peak			
System Supply Charge			9.83 ¢
Distribution Delivery Charge			2.69 ¢
	subtotal		12.52 ¢
Off-Peak			
System Supply Charge			0.26 ¢
Distribution Delivery Charge		-	2.69 ¢
	subtotal		2.95 ¢
Commercial Industrial	**MCI-1**		
Customer Charge per Month		$ 30.00	$ 30.00
Demand Charge per kW			
Secondary Voltage		$ 7.45	
Primary Voltage		$ 7.12	
Energy Charge per kWh			
Secondary Voltage		3.64 ¢	
Unbundled Charges per kW			
System Supply Charge - Secondary			$ 5.28
Distribution Delivery Charge - Secondary			$ 2.17
	subtotal		$ 7.45
System Supply Charge - Primary			$ 5.05
Distribution Delivery Charge - Primary			$ 2.07
	subtotal		$ 7.12
Unbundled Charges per kWh-Secondary			
System Supply Charge - Secondary			2.44 ¢
Distribution Delivery Charge - Secondary			1.20 ¢
	subtotal		3.64 ¢
Primary Voltage per kWh Charge Discount		2%	2%
Maximum Charge Limitation per kWh		100 ¢	100 hours
High Load Factor discount per kWh		(0.6)	(0.6) ¢
Hours limitation		400	400 hours

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Service		**Present**	**Proposed**
Peak Controlled General Service	**MPC-2**		
Customer Charge per Month		$ 40.00	$ 40.00
Demand Charge per kW			
Secondary Voltage		$ 7.45	
Primary Voltage		$ 7.12	
Controlled Demand Charge per kW			
Secondary Voltage		$ 4.38	
Primary Voltage		$ 4.05	
Energy Charge per kWh			
Secondary Voltage		3.64 ¢	
Unbundled Demand Charges per kW			
System Supply Charge - Secondary			$ 5.28
Distribution Delivery Charge - Secondary			$ 2.17
subtotal			$ 7.45
System Supply Charge - Primary			$ 5.05
Distribution Delivery Charge - Primary			$ 2.07
subtotal			$ 7.12
Unbundled Controlled Demand Charges per kW			$ 2.21
System Supply Charge - Secondary			$ 2.17
Distribution Delivery Charge - Secondary			$ 4.38
subtotal			
System Supply Charge - Primary			$ 1.98
Distribution Delivery Charge - Primary			$ 2.07
subtotal			$ 4.05
Unbundled Charges per kWh-Secondary			
System Supply Charge - Secondary			2.44 ¢
Distribution Delivery Charge - Secondary			1.20 ¢
subtotal			3.64 ¢
Primary Voltage per kWh Charge Discount		2.0%	2.0%
High Load Factor discount per kWh		(0.6) ¢	(0.6) ¢
Hours limitation		400	400 hours
Experimental Load Control Rider	**MLC-1**		
Monthly Credit per kW		$ (3.00)	$ (3.00)

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Line	Service		Present	Proposed
1	**Large Industrial Service**	**MI-1**		
2	Customer Charge per Month			
3	Mandatory		$ 150.00	$ 150.00
4	Optional		$ 45.00	$ 45.00
5	On-Peak Demand Charge per kW			
6	Secondary Voltage		$ 6.75	
7	Primary Voltage		$ 5.65	
8	Trans. Transformed Voltage		$ 5.20	
9	Trans. Untransformed Voltage		$ 5.17	
10	Customer Demand Charge per kW			
11	Secondary Voltage		$ 1.50	
12	Primary Voltage		$ 0.90	
13	Trans. Transformed Voltage		$ 0.40	
14	Trans. Untransformed Voltage		$ -	
15	Energy Charge per kWh			
16	On-Peak		4.44 ¢	
17	Off-Peak		2.95 ¢	
18				
19	Unbundled Demand Charges per kW			
20	System Supply Demand Charges			
21	Secondary Voltage			$ 6.75
22	Primary Voltage			$ 5.65
23	Trans. Transformed Voltage			$ 5.20
24	Trans. Untransformed Voltage			$ 5.17
25				
26	Distribution Demand Charges			
27	Secondary Voltage			$ 1.50
28	Primary Voltage			$ 0.90
29	Trans. Transformed Voltage			$ 0.40
30	Trans. Untransformed Voltage			$ -
31				
32	Unbundled Charges per kWh			
33	On-Peak			
34	System Supply Charge - Secondary			3.24 ¢
35	Distribution Delivery Charge - Secondary			1.20 ¢
36	subtotal			4.44 ¢
37	Off-Peak			
38	System Supply Charge - Secondary			1.75 ¢
39	Distribution Delivery Charge - Secondary			1.20 ¢
40	subtotal			2.95 ¢
41	Voltage Discounts for per kWh Charges			
42	Primary Voltage Energy Discount		2.0%	2.0%
43	Trans. Trans. Energy Discount		5.5%	5.5%
44	Trans. Untrans. Energy Discount		6.0%	6.0%
45				
46	High Load Factor discount per kWh		(0.6) ¢	(0.6) ¢
47	Hours limitation		400	400 hours

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	Service		**Present**	**Proposed**
1	**Peak Controlled Time-of-Day Service**	**MPC-1**		
2	Customer Charge per Month			
3	Demands over 1000kW		$ 170.00	$ 170.00
4	Demands under 1000 kW		$ 65.00	$ 65.00
5	On-Peak Demand Charge per kW			
6	Secondary Voltage		$ 6.75	$ 6.75
7	Primary Voltage		$ 5.65	$ 5.65
8	Trans. Transformed Voltage		$ 5.20	$ 5.20
9	Trans. Untransformed Voltage		$ 5.17	$ 5.17
10	Controlled Demand Charge per kW			
11	Secondary Voltage		$ 3.68	$ 3.68
12	Primary Voltage		$ 2.58	$ 2.58
13	Trans. Transformed Voltage		$ 2.13	$ 2.13
14	Trans. Untransformed Voltage		$ 2.10	$ 2.10
15	Interruption Credit per kW			
16	Customer Demand Charge per kW			
17	Secondary Voltage		$ 1.50	$ 1.50
18	Primary Voltage		$ 0.90	$ 0.90
19	Trans. Transformed Voltage		$ 0.40	$ 0.40
20	Trans. Untransformed Voltage		$ -	$ -
21	Energy Charge per kWh			
22	On-Peak		4.44 ¢	
23	Off-Peak		2.95 ¢	
24				
25	Unbundled Charges per kWh			
26	On-Peak			
27	System Supply Charge - Secondary			3.24 ¢
28	Distribution Delivery Charge - Secondary			1.20 ¢
29		subtotal		4.44
30	Off-Peak			
31	System Supply Charge - Secondary			1.75 ¢
32	Distribution Delivery Charge - Secondary			1.20 ¢
33		subtotal		2.95
34	Voltage Discounts for per kWh Charges			
35	Primary Voltage Energy Discount		2.0%	2.0%
36	Trans. Trans. Energy Discount		5.5%	5.5%
37	Trans. Untrans. Energy Discount		6.0%	6.0%
38				
39	High Load Factor discount per kWh		(0.6) ¢	(0.6) ¢
40	Hours limitation		400	400 hours

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Service		Present	Proposed
Municipal Water Pumping	**MPA-1**		
Customer Charge per Month			
Single Phase		$ 7.50	$ 7.50
Three Phase		$ 12.50	$ 12.50
Energy Charge per kWh		6.20 ¢	
Unbundled Charges per kWh			
System Supply Charge			3.51 ¢
Distribution Delivery Charge			2.69 ¢
	subtotal		6.20
Street Lighting-Company Owned	**MSL-1**		
Company Owned			
250 Watt Mercury Vapor		$ 10.80	$ 10.80
400 Watt Mercury Vapor		$ 14.45	$ 14.45
70 Watt Sodium Vapor		$ 8.20	$ 8.20
100 Watt Sodium Vapor		$ 8.95	$ 8.95
150 Watt Sodium Vapor		$ 9.85	$ 9.85
250 Watt Sodium Vapor		$ 11.85	$ 11.85
400 Watt Sodium Vapor		$ 14.90	$ 14.90
Customer Owned-Energy & Maintenance			$ -
250 Watt Mercury Vapor		$ 5.50	$ 5.50
400 Watt Mercury Vapor		$ 7.70	$ 7.70
70 Watt Sodium Vapor		$ 3.25	$ 3.25
100 Watt Sodium Vapor		$ 3.85	$ 3.85
150 Watt Sodium Vapor		$ 4.50	$ 4.50
250 Watt Sodium Vapor		$ 6.45	$ 6.45
400 Watt Sodium Vapor		$ 8.60	$ 8.60
Optional Off-Peak Service	**MOP-1**		
Customer Charge per Month			
Non-Demand Metered			-
Demand Metered			-
single phase		$ 3.00	$ 3.00
three phase		$ 8.00	$ 8.00
Energy Charge per kWh		2.82 ¢	
Unbundled Charges per kWh			
System Supply Charge			1.62 ¢
Distribution Delivery Charge			1.20 ¢
	subtotal		2.82 ¢
Primary Voltage per kWh Charge Discount		2%	2%

	Service		**Present**	**Proposed**
1	**Parallel Generation Service**	**MPG-1**		
2	Net Energy Billing Non-Time of Day Service			
3	Customer Charge per Month	No monthly Charge		
4				
5	Energy Credit per kWh	At existing retail rate		
6				
7	Net Energy Billing Time of Day Service			
8	Customer Charge per Month		$ 1.00 and	
9		$ 585 plus financing charges		
10		over two years		
11	Energy Credit per kWh	At existing retail rate		
12	Energy Purchase Service			
13	Customer Charge per Month			
14	Generators from 21 kW to 100 kW			
15	delivering less than 200 amps.		$ 9.00	$ 9.00
16				
17	Generators from 21 kW to 100 kW			
18	delivering more than 200 amps.		$ 12.00	$ 12.00
19				
20	Generators rated more than 100 kW		$ 19.50	$ 19.50
21	Energy Payment per kWh			
22	On-Peak			
23	Delivery at transmission Voltage		4.18 ¢	4.18 ¢
24	Delivery at primary Voltage		4.36 ¢	4.36 ¢
25	Delivery at secondary Voltage		4.32 ¢	4.32 ¢
26	Off-Peak			
27	Delivery at transmission Voltage		1.90 ¢	1.90 ¢
28	Delivery at primary Voltage		1.99 ¢	1.99 ¢
29	Delivery at secondary Voltage		1.99 ¢	1.99 ¢

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Revenue Calculation by Rate Schedule
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Service	Schedule	Average Customers	kWh Sales	Revenues Present	Revenues Proposed	Increase Amount	Increase Percent
Residential and Farm							
Residential Service	MR-1	7,766	52,498,000	$ 3,898,733	$ 3,898,733	$ -	0.0%
Residential Time of Day Service	MR-2	126	1,581,000	$ 93,534	$ 93,534	$ -	0.0%
Automatic Outdoor Lighting	MOL-1	-	145,000	$ 18,177	$ 18,177	$ -	0.0%
Total Residential and Farm		7,892	54,224,000	$ 4,010,444	$ 4,010,444	$ -	0.0%
Small Commercial and Industrial							
Small Commercial TOD Service	MST-1	1	21,024	$ 1,365	$ 1,365	$ -	0.0%
Small Commercial Service	MSC-1	1,053	14,800,000	$ 1,121,519	$ 1,121,519	$ -	0.0%
Commercial Industrial	MCI-1	152	22,330,976	$ 1,419,598	$ 1,419,598	$ -	0.0%
Peak Controlled Service	MPC-2	2	1,695,000	$ 82,796	$ 82,796	$ -	0.0%
Automatic Outdoor Lighting	MOL-1	-	205,000	$ 19,508	$ 19,508	$ -	0.0%
Total Small Commercial and Industrial		1,208	39,052,000	$ 2,644,786	2,644,786	-	0.0%
Large Commercial and Industrial							
Large Industrial Service	MI-1	15	18,607,000	$ 977,803	$ 977,803	$ -	0.0%
Peak Controlled TOD Service	MPC-1	3	27,400,000	$ 1,145,313	$ 1,145,313	$ -	0.0%
Total Large Commercial and Industrial		18	46,007,000	$ 2,123,116	$ 2,123,116	$ -	0.0%
Total Commercial and Industrial		1,226	85,059,000	$ 4,767,902	$ 4,767,902	$ -	0.0%
Other Sales & Street Lighting							
Municipal Water Pumping	MPA-1	40	781,000	$ 53,243	$ 53,243	$ -	0.0%
Street Lighting-Company Owned	MSL-1		762,000	$ 153,739	$ 153,739	$ -	0.0%
Street Lighting-Customer Owned	MSL-1		178,000	$ 10,045	$ 10,045	$ (0)	0.0%
Interdepartmental			60,000	$ 4,219	$ 4,219	$ -	0.0%
Total Michigan Retail Sales		9,158	141,064,000	$ 8,999,593	$ 8,999,593	$ (0)	0.0%

Power Supply Revenues	$ 5,235,846
Distribution Revenues	$ 3,558,058
Unmetered Revenues	$ 201,470
Interdepartmental	$ 4,219
total Revenues	$ 8,999,593

Residential Service **MR-1**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Customer Charge	93,192	(bills)	$ 4.25	$ 396,066	$ 4.25	$ 396,066	$ -	0.0%
Energy Charge	52,498,000	(kWh)	$ 0.06700	$ 3,517,366				
Power Supply Charge	52,498,000	(kWh)			$ 0.04010	$ 2,105,170		
Distribution Charge	52,498,000	(kWh)			$ 0.02690	$ 1,412,196		
PSCR Clause	52,498,000	(kWh)	$ (0.00028)	$ (14,699)	$ (0.00028)	$ (14,699)	$ -	
Power Supply Subtotal						$ 2,090,470	53.6%	
Distribution Subtotal						$ 1,808,262	46.4%	
Total				$ 3,898,733		$ 3,898,733	$ -	0.0%

Residential Time of Day Service **MR-2**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Customer Charge	1,512	(bills)	$ 6.75	$ 10,206	$ 6.75	$ 10,206	$ -	0.0%
Energy Charge								
On-Peak	388,000	(kWh)	$ 0.12520	$ 48,578			$ -	0.0%
Power Supply Charge	388,000	(kWh)			$ 0.09830	$ 38,140		
Distribution Charge	388,000	(kWh)			$ 0.02690	$ 10,437		
Off-Peak	1,193,000	(kWh)	$ 0.02950	$ 35,194			$ -	0.0%
Power Supply Charge	1,193,000	(kWh)			$ 0.00260	$ 3,102		
Distribution Charge	1,193,000	(kWh)			$ 0.02690	$ 32,092		
PSCR Clause	1,581,000	(kWh)	$ (0.00028)	$ (443)	$ (0.00028)	$ (443)	$ -	
Power Supply Subtotal						$ 40,800	43.6%	
Distribution Subtotal						$ 52,735	56.4%	
Total				$ 93,534		$ 93,534	$ -	0.0%

Residential and Farm Automatic Outdoor Lighting Service **MOL-1**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
175 Watt Mercury Vapor	1,176	(bills)	$ 7.69	$ 9,041	$ 7.69	$ 9,041	$ -	0.0%
250 Watt Mercury Vapor	36	(bills)	$ 10.98	$ 395	$ 10.98	$ 395	$ -	0.0%
100 Watt HP Sodium Vapor	1,428	(bills)	$ 6.15	$ 8,782	$ 6.15	$ 8,782	$ -	0.0%
250 Watt HP Sodium Vapor	0	(bills)	$ 8.85	$ 0	$ 8.85	$ 0	$ -	0.0%
400 Watt HP Sodium Vapor	0	(bills)	$ 12.40	$ 0	$ 12.40	$ 0	$ -	0.0%
PSCR Clause	145,000	(kWh)	$ (0.00028)	$ (41)	$ (0.00028)	$ (41)	$ -	
						$ (41)		
						$ 18,218		
Total				$ 18,177		$ 18,177	$ -	0.0%

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Small Commercial Service **MSC-1**

Line		Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
1	Customer Charge								
2	Single Phase	10,929	(bills)	$ 7.50	$ 81,965	$ 7.50	$ 81,965	$ -	0.0%
3	Three Phase	1,707	(bills)	$ 12.50	$ 21,342	$ 12.50	$ 21,342	$ -	0.0%
4									
5	Energy Charge	14,800,000	(kWh)	$ 0.06910	$ 1,022,680				
6	Power Supply Charge	14,800,000	(kWh)			$ 0.04220	$ 624,560		
7	Distribution Charge	14,800,000	(kWh)			$ 0.02690	$ 398,120		
8									
9	Load Man. Credit	108	(bills)	$ (3.00)	$ (324)	$ (3.00)	$ (324)	$ -	0.0%
10									
11	PSCR Clause	14,800,000	(kWh)	$ (0.00028)	$ (4,144)	$ (0.00028)	$ (4,144)	$ -	
12	Power Supply Subtotal						$ 620,092	55.3%	
13	Distribution Subtotal						$ 501,427	44.7%	
14	Total				$ 1,121,519		$ 1,121,519	$ -	0.0%
15									

Small General Time-of-Day Service **MST-1**

Line		Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
16	Small General Time-of-Day Service		MST-1						
17									
18									
19	Customer Charge								
20	Single Phase	12	(bills)	$ 10.50	$ 126	$ 10.50	$ 126	$ -	0.0%
21	Three Phase	-		$ 15.50	$ -	$ 15.50	$ -	$ -	0.0%
22									
23	Energy Charge								
24	On-Peak	6,528	(kWh)	$ 0.12520	$ 817			$ -	0.0%
25	Power Supply Charge	6,528	(kWh)			$ 0.09830	$ 642		
26	Distribution Charge	6,528	(kWh)			$ 0.02690	$ 176		
27	Off-Peak	14,496	(kWh)	$ 0.02950	$ 428			$ -	0.0%
28	Power Supply Charge	14,496	(kWh)			$ 0.00260	$ 38		
29	Distribution Charge	14,496	(kWh)			$ 0.02690	$ 390		
30									
31	PSCR Clause	21,024	(kWh)	$ (0.00028)	$ (6)	$ (0.00028)	$ (6)	$ -	
32	Power Supply Subtotal						$ 674	49.3%	
33	Distribution Subtotal						$ 692	50.7%	
34	Total				$ 1,365		$ 1,365	$ -	0.0%
35									

Small Commercial Automatic Outdoor Lighting Service **MOL-1**

Line		Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
36	Small Commercial		MOL-1						
37	Automatic Outdoor Lighting								
38	Service								
39	175 Watt Mercury Vapor	300	(bills)	$ 7.69	$ 2,306	$ 7.69	$ 2,306	$ -	0.0%
40									
41	250 Watt Mercury Vapor	-	(bills)	$ 10.98	$ -	$ 10.98	$ -	$ -	0.0%
42									
43	100 Watt HP Sodium Vapor	1,036	(bills)	$ 6.15	$ 6,371	$ 6.15	$ 6,371	$ -	0.0%
44									
45	250 Watt HP Sodium Vapor	356	(bills)	$ 8.85	$ 3,151	$ 8.85	$ 3,151	$ -	0.0%
46									
47	400 Watt HP Sodium Vapor	624	(bills)	$ 12.40	$ 7,738	$ 12.40	$ 7,738	$ -	0.0%
48									
49	PSCR Clause	205,000	(kWh)	$ (0.00028)	$ (57)	$ (0.00028)	$ (57)	$ -	
50							$ (57)		
51							$ 19,566		
52	Total				$ 19,508		$ 19,508	$ -	0.0%

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Commercial Industrial General Service

MCI-1

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Secondary Voltage								
Customer Charge	1,788	(bills)	$ 30.00	$ 53,640	$ 30.00	$ 53,640	$ -	0.0%
Demand Charge	70,550	(kW)	$ 7.45	$ 525,595			$ -	0.0%
Power Supply Charge	70,550	(kW)			$ 5.28	$ 372,502		
Distribution Charge	70,550	(kW)			$ 2.17	$ 153,093		
Energy Charge	21,213,976	(kWh)	$ 0.03640	$ 772,189			$ -	0.0%
Power Supply Charge	21,213,976	(kWh)			$ 0.02440	$ 517,621		
Distribution Charge	21,213,976	(kWh)			$ 0.01200	$ 254,568		
H.L.F. Discount	1,106,421	(kWh)	$ (0.006)	$ (6,639)	$ (0.006)	$ (6,639)	$ -	0.0%
Load C. Rider	324	(kW)	$ (3.000)	$ (972)	$ (3.000)	$ (972)	$ -	0.0%
PSCR Clause	21,213,976	(kWh)	$ (0.00028)	$ (5,940)	$ (0.00028)	$ (5,940)	$ -	
Power Supply Subtotal						$ 876,573	65.5%	
Distribution Subtotal						$ 461,300	34.5%	
Total				$ 1,337,873		$ 1,337,873	$ -	0.0%

Commercial Industrial General Service

MCI-1

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Primary Voltage								
Customer Charge	36	(bills)	$ 30.00	$ 1,080	$ 30.00	$ 1,080	$ -	0.0%
Demand Charge	5,774	(kW)	$ 7.12	$ 41,112			$ -	0.0%
Power Supply Charge	5,774	(kW)			$ 5.05	$ 29,137		
Distribution Charge	5,774	(kW)			$ 2.07	$ 11,975		
Energy Charge	1,117,000	(kWh)	$ 0.03640	$ 40,659			$ -	0.0%
Power Supply Charge	1,117,000	(kWh)			$ 0.02440	$ 27,255		
Distribution Charge	1,117,000	(kWh)			$ 0.01200	$ 13,404		
Primary Discount			-2%	$ (813)			$ -	0.0%
Power Supply Charge					-2%	$ (545)		
Distribution Charge					-2%	$ (268)		
H.L.F. Discount	-	(kWh)	$ (0.600)	$ -	$ (0.006)	$ -	$ -	
PSCR Clause	1,117,000	(kWh)	$ (0.00028)	$ (313)	$ (0.00028)	$ (313)	$ -	
Power Supply Subtotal						$ 55,534	68.0%	
Distribution Subtotal						$ 26,191	32.0%	
Total				$ 81,724		$ 81,724	$ -	0.0%

Northern States Power Company-Wisconsin
Electric Utility-Michigan Jurisdiction
Revenue Calculation by Rate Schedule
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Case No. U-12651
Exhibit A-___(GWM-2)

Witness: G.W.Marx
Date: June 5, 2001

Peak Controlled Service **MPC-2**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Secondary Voltage								
Customer Charge	24	(bills)	$ 40.00	$ 960	$ 40.00	$ 960	$ -	0.0%
Demand Charge								
Firm	600	(kW)	$ 7.45	$ 4,470			$ -	0.0%
Power Supply Charge	600	(kW)			$ 5.28	$ 3,168		
Distribution Charge	600	(kW)			$ 2.17	$ 1,302		
Controlled	3,452	(kW)	$ 4.38	$ 15,120			$ -	0.0%
Power Supply Charge	3,452	(kW)			$ 2.21	$ 7,629		
Distribution Charge	3,452	(kW)			$ 2.17	$ 7,491		
Power Factor Provision	240	(kW)	$ 7.45	$ 1,788	$ 7.45	$ 1,788	$ -	0.0%
Energy Charge	1,695,000	(kWh)	$ 0.03640	$ 61,698			$ -	0.0%
Power Supply Charge	1,695,000	(kWh)			$ 0.02440	$ 41,358		
Distribution Charge	1,695,000	(kWh)			$ 0.01200	$ 20,340		
High Load Factor Discount	127,550	(kWh)	$ (0.006)	$ (765)	$ (0.006)	$ (765)	$ -	
PSCR Clause	1,695,000	(kWh)	$ (0.00028)	$ (475)	$ (0.00028)	$ (475)	$ -	
Power Supply Subtotal						$ 52,703	63.7%	
Distribution Subtotal						$ 30,093	36.3%	
Total				$ 82,796		$ 82,796	$ -	0.0%

Large Industrial Service **MI-1**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Secondary Voltage								
Customer Charge	168	(bills)	$ 45.00	$ 7,560	$ 45.00	$ 7,560	$ -	0.0%
Demand Charge								
On-Peak	35,131	(kW)	$ 6.75	$ 237,131			$ -	0.0%
Power Supply Charge					$ 6.75	$ 237,131		
Customer	40,879	(kW)	$ 1.50	$ 61,319	$ 1.50	$ 61,319	$ -	0.0%
Energy Charge								
On-Peak	6,849,000	(kWh)	$ 0.04440	$ 304,096			$ - -	0.0%
Power Supply Charge	6,849,000	(kWh)			$ 0.03240	$ 221,908		
Distribution Charge	6,849,000	(kWh)			$ 0.01200	$ 82,188		
Off-Peak	9,564,000	(kWh)	$ 0.02950	$ 282,138			$ -	0.0%
Power Supply Charge	9,564,000	(kWh)			$ 0.01750	$ 167,370		
Distribution Charge	9,564,000	(kWh)			$ 0.01200	$ 114,768		
H.L.F. Discount	2,600,000	(kWh)	$ (0.006)	$ (15,600)	$ (0.006)	$ (15,600)	$ -	
Load C. Rider	1,474	(kW)	$ (3.000)	$ (4,421)	$ (3.000)	$ (4,421)	$ -	0.0%
PSCR Clause	16,413,000	(kWh)	$ (0.00028)	$ (4,596)	$ (0.00028)	$ (4,596)	$ -	
Power Supply Subtotal						$ 601,792	69.4%	
Distribution Subtotal						$ 265,835	30.6%	
Total				$ 867,627		$ 867,627	$ -	0.0%

Northern States Power Company-Wisconsin
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Large Industrial Service **MI-1**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Primary Voltage								
Customer Charge	12	(bills)	$ 45.00	$ 540	$ 45.00	$ 540	$ -	0.0%
Demand Charge								
On-Peak	5,051	(kW)	$ 5.65	$ 28,539			$ -	0.0%
Power Supply Charge	5,051	(kW)			$ 5.65	$ 28,539		
Customer	6,327	(kW)	$ 0.90	$ 5,695	$ 0.90	$ 5,695	$ -	0.0%
Energy Charge								
On-Peak	908,000	(kWh)	$ 0.04440	$ 40,315			$ -	0.0%
Power Supply Charge	908,000	(kWh)			$ 0.03240	$ 29,419		
Distribution Charge	908,000	(kWh)			$ 0.01200	$ 10,896		
Off-Peak	1,286,000	(kWh)	$ 0.02950	$ 37,937			$ -	0.0%
Power Supply Charge	1,286,000	(kWh)			$ 0.01750	$ 22,505		
Distribution Charge	1,286,000	(kWh)			$ 0.01200	$ 15,432		
Primary Discount			-2%	$ (1,565)			$ -	0.0%
Power Supply Charge					-2%	$ (1,038)		
Distribution Charge					-2%	$ (527)		
High Load Factor Discount	111,745	(kWh)	$ (0.006)	$ (670)	$ (0.006)	$ (670)	$ -	
PSCR Clause	2,194,000	(kWh)	$ (0.00028)	$ (614)	$ (0.00028)	$ (614)	$ -	
Power Supply Subtotal						$ 78,140	70.92%	
Distribution Subtotal						$ 32,036	29.08%	
Total				$ 110,176		$ 110,176	$ -	0.0%

Municipal Water Pumping Service **MPA-1**

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
Customer Charge								
Single Phase	192	(bills)	$ 7.50	$ 1,440	$ 7.50	$ 1,440	$ -	0.0%
Three Phase	288	(bills)	$ 12.50	$ 3,600	$ 12.50	$ 3,600	$ -	0.0%
Energy Charge	781,000	(kWh)	$ 0.06200	$ 48,422			$ -	0.0%
Power Supply Charge	781,000	(kWh)			$ 0.03510	$ 27,413		
Distribution Charge	781,000	(kWh)			$ 0.02690	$ 21,009		
PSCR Clause	781,000	(kWh)	$ (0.00028)	$ (219)	$ (0.00028)	$ (219)	$ -	
Power Supply Subtotal						$ 27,194	51.1%	
Distribution Subtotal						$ 26,049	48.9%	
Total				$ 53,243		$ 53,243	$ -	0.0%

Northern States Power Company-Wisconsin
Electric Utility-Michigan Jurisdiction
Revenue Calculation by Rate Schedule
2002 Test Year

Case No. U-12651
Exhibit A-___(GWM-2)

Witness: G.W.Marx
Date: June 5, 2001

Peak Controlled TOD Service **MPC-1**

		Billing		Present		Proposed		Increase	
		Units		Rate	Revenue	Rate	Revenue	Amount	Percent
1	Secondary Voltage								
2	Customer Charge								
3	Over 1000 kW	-	(bills)	$ 170.00	$ -	$ 170.00	$ -	$ -	0.0%
4	less than 1000 kW	12	(bills)	$ 65.00	$ 780	$ 65.00	$ 780	$ -	0.0%
5									
6	Demand Charge								
7	Firm	-	(kW)	$ 6.75	$ -			$ -	0.0%
8	Power Supply Charge	-	(kW)			$ 6.75	$ -		
9	Controlled	3,125	(kW)	$ 3.68	$ 11,500			$ -	0.0%
10	Power Supply Charge	3,125	(kW)			$ 3.68	$ 11,500		
11	Customer	3,196	(kW)	$ 1.50	$ 4,794	$ 1.50	$ 4,794	$ -	0.0%
12									
13	Power Factor Provision	95	(kW)	$ 6.75	$ 640	$ 6.75	$ 640	$ -	
14									
15	Energy Charge								
16	On-Peak	424,000	(kWh)	$ 0.04440	$ 18,826			$ -	0.0%
17	Power Supply Charge	424,000	(kWh)			$ 0.03240	$ 13,738		
18	Distribution Charge	424,000	(kWh)			$ 0.01200	$ 5,088		
19	Off-Peak	1,076,000	(kWh)	$ 0.02950	$ 31,742			$ -	0.0%
20	Power Supply Charge	1,076,000	(kWh)			$ 0.01750	$ 18,830		
21	Distribution Charge	1,076,000	(kWh)			$ 0.01200	$ 12,912		
22									
23	High Load Factor Discount	369,000	(kWh)	$ (0.006)	$ (2,214)	$ (0.006)	$ (2,214)	$ -	
24									
25	PSCR Clause	1,500,000	(kWh)	$ (0.00028)	$ (420)	$ (0.00028)	$ (420)	$ -	
26	Power Supply Subtotal						$ 42,074	64.1%	
27	Distribution Subtotal						$ 23,574	35.9%	
28	Total				$ 65,648		$ 65,648	$ -	0.0%

Northern States Power Company-Wisconsin
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Peak Controlled TOD Service **MPC-1**

Line		Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
1	Transmission Transformed Voltage								
2	Customer Charge								
3	Over 1000 kW	24	(bills)	$ 170.00	$ 4,080	$ 170.00	$ 4,080	$ -	0.0%
4	less than 1000 kW	-	(bills)	$ 65.00	$ -	$ 65.00	$ -	$ -	0.0%
5									
6	Demand Charge								
7	Firm	37,849	(kW)	$ 5.20	$ 196,814			$ -	0.0%
8	Power Supply Charge	37,849	(kW)			$ 5.20	$ 196,814		
9	Controlled	17,277	(kW)	$ 2.13	$ 36,799	$ 2.13	$ 36,799	$ -	0.0%
10	Power Supply Charge	17,277	(kW)						
11	Customer	80,196	(kW)	$ 0.40	$ 32,078	$ 0.40	$ 32,078	$ -	0.0%
12	Power Factor	1,749	(kW)	$ 5.20	$ 9,094	$ 5.20	$ 9,094	$ -	0.0%
13									
14	Energy Charge								
15	On-Peak	7,629,000	(kWh)	$ 0.04440	$ 338,728			$ -	0.0%
16	Power Supply Charge	7,629,000	(kWh)			$ 0.03240	$ 247,180		
17	Distribution Charge	7,629,000	(kWh)			$ 0.01200	$ 91,548		
18	Off-Peak	18,271,000	(kWh)	$ 0.02950	$ 538,995			$ -	0.0%
19	Power Supply Charge	18,271,000	(kWh)			$ 0.01750	$ 319,743		
20	Distribution Charge	18,271,000	(kWh)			$ 0.01200	$ 219,252		
21									
22	Transmission-Transformed Discount			-5.5%	$ (48,275)			$ -	0%
23	Power Supply Charge					-5.5%	$ (31,181)		
24	Distribution Charge					-5.5%	$ (17,094)		
25									
26	High Load Factor Discount	3,565,907	(kWh)	$ (0.006)	$ (21,395)	$ (0.006)	$ (21,395)	$ -	
27									
28	PSCR Clause	25,900,000	(kWh)	$ (0.00028)	$ (7,252)	$ (0.00028)	$ (7,252)	$ -	
29	Power Supply Subtotal						$ 749,801	69.4%	
30	Distribution Subtotal						$ 329,864	30.6%	
31	Total				$ 1,079,665		$ 1,079,665	$ -	0.0%

Street Lighting-Company Owned MSL-1

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
250 Watt-Mercury Vapor	-	(lamps)	$ 10.80	$ -	$ 10.80	$ -	$ -	0.0%
400 Watt-Mercury Vapor	2	(lamps)	$ 14.45	$ 347	$ 14.45	$ 347	$ -	0.0%
70 Watt-Sodium Vapor	183	(lamps)	$ 8.20	$ 18,007	$ 8.20	$ 18,007	$ -	0.0%
100 Watt-Sodium Vapor	1,085	(lamps)	$ 8.95	$ 116,493	$ 8.95	$ 116,493	$ -	0.0%
150 Watt-Sodium Vapor	18	(lamps)	$ 9.85	$ 2,128	$ 9.85	$ 2,128	$ -	0.0%
250 Watt-Sodium Vapor	109	(lamps)	$ 11.85	$ 15,547	$ 11.85	$ 15,547	$ -	0.0%
400 Watt-Sodium Vapor	8	(lamps)	$ 14.90	$ 1,430	$ 14.90	$ 1,430	$ -	0.0%
PSCR Clause	762,359	(kWh)	$ (0.00028)	$ (213)	$ (0.00028)	$ (213)	$ -	
						$ (213)		
						$ 153,952		
Total				$ 153,739		$ 153,739	$ -	0.0%

Street Lighting-Customer Owned MSL-1

	Billing Units		Present Rate	Present Revenue	Proposed Rate	Proposed Revenue	Increase Amount	Increase Percent
250 Watt-Mercury Vapor	-	(lamps)	$ 5.50	$ -	$ 5.50	$ -	$ -	0.0%
400 Watt-Mercury Vapor	19	(lamps)	$ 7.70	$ 1,756	$ 7.70	$ 1,756	$ -	0.0%
70 Watt-Sodium Vapor	-	(lamps)	$ 3.25	$ -	$ 3.25	$ -	$ -	0.0%
100 Watt-Sodium Vapor	3	(lamps)	$ 3.85	$ 139	$ 3.85	$ 139	$ 0	0.0%
150 Watt-Sodium Vapor	20	(lamps)	$ 4.50	$ 1,080	$ 4.50	$ 1,080	$ -	0.0%
250 Watt-Sodium Vapor	56	(lamps)	$ 6.45	$ 4,334	$ 6.45	$ 4,334	$ (0)	0.0%
400 Watt-Sodium Vapor	27	(lamps)	$ 8.60	$ 2,786	$ 8.60	$ 2,786	$ (0)	0.0%
PSCR Clause	177,678	(kWh)	$ (0.00028)	$ (50)	$ (0.00028)	$ (50)	$ -	
						$ (50)		
						$ 10,095		
Total				$ 10,045		$ 10,045	$ (0)	0.0%

Northern States Power Company--Wisconsin   Electric Utility   Michigan Retail Jurisdiction   Settlement in Case No. U-11777
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	A	B	C	D	E	F	4	5	6	7	8	9	10	11	12	13	19	20
	TITLE	SHOW	SPREAD	ALLOC	OPER	CALC	TOTAL RTMI	RES	NDGS	DGS(sec)	DGS(pri)	MPUMP	TOT DGS	LTOD(sec)	LTOD(pri)	LTOD(t)	STLT	APLT
1																		
2	TOTAL RATE BASE	BASE					$19,957,203	$8,904,220	$2,599,829	$3,393,474	$210,360	$368,266	$3,972,099	$1,357,954	$1,339,207	$1,380,957	$340,697	$62,240
3																		
4	REQUIRED RATE OF RETURN					REQRET	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%	8.49%
5																		
6	REQUIRED OPERATING INCOME					RRETRT	$1,694,367	$755,968	$220,725	$288,106	$17,860	$31,266	$337,231	$115,290	$113,699	$117,243	$28,925	$5,284
7																		
8	OPERATING INCOME																	
9	AT PRESENT RATES	RETRT					$1,544,214	$417,513	$155,098	$350,205	$40,787	$19,354	$410,346	$107,543	$109,919	$322,397	$19,377	$2,020
10																		
11	EARNINGS DEFICIENCY					DRETRT	$150,153	$338,455	$65,627	($62,099)	($22,927)	$11,911	($73,115)	$7,747	$3,780	($205,154)	$9,548	$3,264
12																		
13	INCREMENTAL COMPOSITE	TOTAX					1.6692	1.6692	1.6692	1.6692	1.6692	1.6692	1.6692	1.6692	1.6692	1.6692	1.6692	1.6692
14																		
15	REVENUES AT REQUIRED ROR					REV4	$9,749,589	$4,256,107	$1,145,115	$1,595,938	$111,710	$169,804	$1,877,452	$682,678	$691,855	$887,026	$169,024	$40,332
16	REVENUES AT ACTUAL ROR					REV	$9,498,961	$3,691,173	$1,035,573	$1,699,591	$149,979	$149,922	$1,999,492	$669,747	$685,546	$1,229,460	$153,087	$34,883
17	REVENUE DEFICIENCY					RTZ	$250,628	$564,934	$109,542	($103,653)	($38,269)	$19,882	($122,040)	$12,931	$6,309	($342,434)	$15,937	$5,449
18		CHECK											$0					
19	REVENUES FROM SALES																	
20	REVENUES AT PRESENT RA	RV01					$9,498,961	$3,691,173	$1,035,573	$1,699,591	$149,979	$149,922	$1,999,492	$669,747	$685,546	$1,229,460	$153,087	$34,883
21																		
22	PERCENT INCREASE INDICATED					PCINCR	2.6%	15.3%	10.6%	-6.1%	-25.5%	13.3%	-6.1%	1.9%	0.9%	-27.9%	10.4%	15.6%
23																		
24																		
25	DEVELOPMENT OF RATE BASE																	
26																		
27	ELECTRIC PLANT IN SERVIC	EPIS					$30,584,975	$13,568,663	$3,972,135	$5,185,950	$319,175	$564,564	$6,069,688	$2,083,351	$2,037,199	$2,091,329	$634,681	$127,927
28	FOR DEPRECIATION	APD					$12,073,369	$5,268,117	$1,539,827	$2,037,555	$127,397	$220,642	$2,385,594	$824,900	$800,175	$858,379	$324,311	$72,067
29	TOTAL ACC DEF INC TAX	BTAD					$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
30	NET ELECTRIC PLANT IN SE	NEPIS					$18,511,605	$8,300,546	$2,432,308	$3,148,395	$191,778	$343,922	$3,684,095	$1,258,452	$1,237,024	$1,232,951	$310,370	$55,859
31		CHECK																
32																		
33	ADDITIONS-																	
34	INVESTMENT IN ASSOC. CO	AC50					$15,514	$6,043	$1,832	$2,839	$235	$290	$3,363	$1,230	$1,187	$1,771	$66	$24
35	TOTAL MATERIALS & SUP	MS					$294,805	$122,585	$35,346	$48,917	$3,162	$5,334	$57,413	$21,249	$21,397	$27,819	$7,827	$1,168
36	TOTAL PROP HELD FOR F	HFUTY					$2,193	$1,131	$257	$325	$22	$34	$380	$120	$140	$98	$55	$11
37	TOTAL WORKING CAPITA	WCAP					$586,640	$227,961	$63,955	$104,964	$9,262	$9,259	$123,485	$41,362	$42,338	$75,929	$9,454	$2,154
38	TOTAL CWIP	CWIP					$810,969	$367,402	$103,464	$134,830	$8,484	$14,581	$157,894	$53,656	$54,286	$54,042	$16,828	$3,396
39																		
40	DEDUCTIONS-																	
41	TOTAL CUSTOMER ADVA	CAR					$162,413	$81,677	$25,277	$28,111	$1,039	$3,246	$32,397	$10,021	$9,354	$0	$3,471	$216
42	AMORTIZATION RESV.- HYD	A11A					$102,111	$39,772	$12,057	$18,684	$1,544	$1,908	$22,135	$8,094	$7,810	$11,654	$432	$156
44	TOTAL RATE BASE	BASE					$19,957,203	$8,904,220	$2,599,829	$3,393,474	$210,360	$368,266	$3,972,099	$1,357,954	$1,339,207	$1,380,957	$340,697	$62,240

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Michigan Retail Jurisdiction

Settlement in Case No. U-11777

	A	B	C	D	E	F	4	5	6	7	8	9	10	11	12	13	19	20
	TITLE	SHOW	SPREAD	ALLOC	OPER	CALC	TOTAL RTMI	RES	NDGS	DGS(sec)	DGS(pri)	MPUMP	TOT DGS	LTOD(sec)	LTOD(pri)	LTOD(t)	STLT	APLT
1	INCOME STATEMENT SUMMARY																	
2																		
3	OPERATING REVENUES																	
4	REVENUES AT PRESENT RA	RV01					$9,498,961	$3,691,173	$1,035,573	$1,699,591	$149,979	$149,922	$1,999,492	$669,747	$685,546	$1,229,460	$153,087	$34,883
5	TOTAL OTHER OPER. REVE	RV10					$1,988,303	$783,243	$229,886	$352,841	$29,047	$36,141	$418,030	$156,271	$154,399	$233,807	$9,383	$3,284
6	TOTAL OPERATING REVEN	RV00					$11,487,264	$4,474,416	$1,265,459	$2,052,432	$179,026	$186,063	$2,417,522	$826,018	$839,945	$1,463,267	$162,470	$38,167
7																		
8	OPERATING EXPENSES																	
9	O & M EXPENSES																	
10	TOTAL PRODUCTION EXP	OX10X					$5,448,672	$2,058,344	$588,744	$954,890	$79,387	$98,398	$1,132,675	$442,727	$448,267	$738,711	$28,812	$10,392
11	TOTAL TRANSMISSION EXP	OX50X					$549,698	$214,395	$64,602	$99,895	$8,226	$10,235	$118,356	$43,488	$42,662	$62,893	$2,440	$862
12	TOTAL DISTRIBUTION EXP	OX60X					$751,727	$354,613	$108,963	$129,208	$5,831	$15,574	$150,613	$45,278	$50,916	$4,933	$33,486	$2,926
13	CUSTOMER ACCOUNTING	OX90X					$232,070	$183,948	$28,131	$5,616	$107	$873	$6,597	$1,304	$201	$100	$7,463	$4,325
14	CUSTOMER SERV. & INFO E	OX91X					$217,555	$150,656	$7,981	$10,318	$828	$146	$11,292	$10,229	$10,868	$19,342	$5,612	$1,576
15	SALES EXPENSE	OX93X					$7,876	$3,060	$859	$1,409	$124	$124	$1,658	$555	$568	$1,019	$127	$29
16	TOT A & G EXPENSE	OX92X					$694,832	$356,452	$81,463	$103,363	$6,923	$10,773	$121,059	$38,278	$44,720	$32,419	$17,046	$3,396
17	TOTAL O & M EXPENSE	OXT					$7,902,429	$3,321,469	$880,740	$1,304,699	$101,427	$136,123	$1,542,249	$581,859	$598,203	$859,417	$94,986	$23,506
18		CHECK																
19	TOTAL DEPRECIATION EXP	DX00X					$1,085,186	$491,605	$138,717	$178,429	$10,793	$19,395	$208,617	$70,430	$69,301	$68,207	$30,204	$8,106
20	TOTAL AMORTIZATION	PLO					$5,016	$2,408	$734	$803	$28	$94	$925	$284	$240	$91	$260	$73
21	TAXES OTHER THAN INC. TA	PTOT					$419,039	$192,099	$53,326	$69,241	$4,358	$7,447	$81,047	$27,264	$27,686	$27,319	$7,462	$2,837
22	STATE INCOME TAXES	TAXS					$102,429	$9,665	$7,242	$28,726	$4,143	$714	$33,583	$7,419	$6,608	$35,556	$2,036	$322
23	NET FEDERAL INCOME TAX	TAXF					$434,109	$42,283	$30,974	$121,294	$17,434	$3,085	$141,813	$31,452	$28,086	$149,545	$8,586	$1,371
24	TOTAL NET PROVISION	BPDDRT					$55,294	$23,450	$6,087	$9,236	$764	$939	$10,939	$3,966	$4,259	$5,993	$470	$130
25	TOTAL ITC DEFERRED	DI5D					$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
26	TOTAL ITC RESTORED	CI0R					($24,052)	($10,453)	($3,105)	($4,112)	($260)	($447)	($4,818)	($1,672)	($1,637)	($1,812)	($460)	($94)
27	TOTAL OPERATING EXP					RT00	$9,979,448	$4,072,525	$1,114,715	$1,708,314	$138,688	$167,351	$2,014,353	$721,001	$732,745	$1,144,317	$143,543	$36,250
28		CHECK																
29																		
30	OPERATING INCOME					RETR	$1,507,816	$401,891	$150,744	$344,118	$40,338	$18,712	$403,169	$105,017	$107,200	$318,950	$18,927	$1,918
31	INCOME, CHIP FLAM IMP CO.			D10RM	ALLOC	RAC50	$999	$389	$118	$183	$15	$19	$217	$79	$76	$114	$4	$2
32	TOTAL AFUDC	TMAF					$35,399	$15,233	$4,236	$5,904	$434	$623	$6,961	$2,447	$2,643	$3,333	$446	$101
33	TOTAL OPERATING INCOME					RETRT	$1,544,214	$417,513	$155,098	$350,205	$40,787	$19,354	$410,346	$107,543	$109,919	$322,397	$19,377	$2,020
34																		
35	TOTAL RATE BASE	BASE					$19,957,203	$8,904,220	$2,599,829	$3,393,474	$210,360	$368,266	$3,972,099	$1,357,954	$1,339,207	$1,380,957	$340,697	$62,240
36																		
37	RATE OF RETURN					RTRT	7.74%	4.69%	5.97%	10.32%	19.39%	5.26%	10.33%	7.92%	8.21%	23.35%	5.69%	3.25%

Northern States Power Company--Wisconsin 5/14/2001 4:02 PM

Electric Utility NSP-W 1998 Test Year

Michigan Retail Jurisdiction

Settlement in Case No. U-11777

Case No. U-12651
Exhibit A-___(GWM-2)
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Witness: G.W.Marx
Date: June 5, 2001

	A	B	C	D	E	F	4	5	6	7	8	9	10	11	12	13	19	20
	TITLE	SHOW	SPREAD	ALLOC	OPER	CALC	TOTAL RTMI	RES	NDGS	DGS(sec)	DGS(pri)	MPUMP	TOT DGS	LTOD(sec)	LTOD(pri)	LTOD(t)	STLT	APLT
1	**Unbundled Cost of Service Component Summary ($ per MWh)**																	
2																		
3	**Customer Related**	FRRC	FRRDM				$948,015	$653,915	$80,159	$87,018	$3,981	$9,818	$100,817	$29,511	$20,294	$31,372	$21,280	$10,667
4	Number of Customers	CU10M					11,434	8,289	1,014	157	3	39	199	13	2	1	1,496	420
5	$ / Customer / Month						$ 6.91	$ 6.57	$ 79.05	$ 554.26	$ 1,326.90	$ 251.73	$ 506.62	$ 2,270.07	$ 10,147.15	$ 31,372.22	$ 14.22	$ 25.40
6																		
7	**Production**																	
8	Total Production	FRRPP	FRRPI	FRRPB	FRRGS		$2,990,001	$1,161,641	$351,481	$545,866	$45,218	$55,710	$646,794	$237,264	$229,730	$345,714	$12,758	$4,617
9	MWh Sales	U10SM					150,961	53,853	14,126	24,704	2,119	2,579	29,402	12,526	13,710	26,000	988	356
10	$ / MWh Sales						$ 19.81	$ 21.57	$ 24.88	$ 22.10	$ 21.34	$ 21.60	$ 22.00	$ 18.94	$ 16.76	$ 13.30	$ 12.91	$ 12.97
11																		
12	**Transmission**	FRRBS	FRRBL															
13	Total Transmission	FRRSS	FRRSLL	FRRSLS			$539,585	$202,718	$58,836	$95,302	$7,978	$9,794	$113,074	$43,977	$44,314	$73,142	$2,556	$969
14	MWh Sales	U10SM					150,961	53,853	14,126	24,704	2,119	2,579	29,402	12,526	13,710	26,000	988	356
15	$ / MWh Sales						$ 3.57	$ 3.76	$ 4.17	$ 3.86	$ 3.77	$ 3.80	$ 3.85	$ 3.51	$ 3.23	$ 2.81	$ 2.59	$ 2.72
16																		
17	**Distribution**	FRRDS	FRRDPL	FRRDPS	FRRDSR													
18	Total Distribution	FRRDR	FRRDC	FRRSL			$2,797,895	$1,346,202	$417,245	$464,356	$19,327	$53,509	$537,191	$165,643	$173,300	$26,851	$116,019	$15,444
19	MWh Sales	U10SM					150,961	53,853	14,126	24,704	2,119	2,579	29,402	12,526	13,710	26,000	988	356
20	$ / MWh Sales						$ 18.53	$ 25.00	$ 29.54	$ 18.80	$ 9.12	$ 20.75	$ 18.27	$ 13.22	$ 12.64	$ 1.03	$ 117.43	$ 43.38
21																		
22	**Energy**	FRRE					$2,474,093	$896,879	$235,509	$409,043	$34,352	$42,680	$486,075	$207,278	$221,929	$404,100	$16,404	$5,917
23	MWh Sales	U10SM					150,961	53,853	14,126	24,704	2,119	2,579	29,402	12,526	13,710	26,000	988	356
24	$ / MWh Sales						$ 16.39	$ 16.65	$ 16.67	$ 16.56	$ 16.21	$ 16.55	$ 16.53	$ 16.55	$ 16.19	$ 15.54	$ 16.60	$ 16.62
25																		
26	**Total**						$9,749,589	$4,261,356	$1,143,230	$1,601,585	$110,855	$171,510	$1,883,951	$683,673	$689,568	$881,180	$169,018	$37,614
27	MWh Sales	U10SM					150,961	53,853	14,126	24,704	2,119	2,579	29,402	12,526	13,710	26,000	988	356
28	$ / MWh Sales						$ 64.58	$ 79.13	$ 80.93	$ 64.83	$ 52.31	$ 66.50	$ 64.08	$ 54.58	$ 50.30	$ 33.89	$ 171.07	$ 105.66
29																		
30	**Unbundled Summary**																	
31	Production & Transmission & Energy Service						$ 6,003,679	$ 2,261,239	$ 645,826	$ 1,050,211	$ 87,548	$ 108,184	$ 1,245,943	$ 488,519	$ 495,973	$ 822,957	$ 31,718	$ 11,503
32	Customer & Distribution Service						$ 3,745,910	$ 2,000,117	$ 497,404	$ 551,374	$ 23,307	$ 63,326	$ 638,008	$ 195,154	$ 193,594	$ 58,223	$ 137,299	$ 26,111
33	subtotal						$ 9,749,589	$ 4,261,356	$ 1,143,230	$ 1,601,585	$ 110,855	$ 171,510	$ 1,883,951	$ 683,673	$ 689,568	$ 881,180	$ 169,018	$ 37,614
34																		
35	Production & Transmission & Energy Service %						61.58%	53.06%	56.49%	65.57%	78.97%	63.08%	66.13%	71.46%	71.93%	93.39%	18.77%	30.58%
36	Customer & Distribution Service %						38.42%	46.94%	43.51%	34.43%	21.03%	36.92%	33.87%	28.54%	28.07%	6.61%	81.23%	69.42%