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Xcel Energy

Docket No.: E002, ET2/CN-06-1115

Response To: Susan L. Peirce Information Request No. 33  
MN Department of Commerce

Date Received: November 9, 2007

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Question:

Minn. Stat. §216B.243, subd. 3 (10) requires a determination of the utilities good faith compliance with Minn. Stat. §216B.1691 in granting a certificate of need. To determine the status of your utility's renewable energy mix relative to the REO/RES requirements contained in Minnesota Statutes, please provide the following information:

- a. Your utility's total retail sales, defined as the kWh of electricity sold to all retail customers of your utility, or any distribution utilities to their retail customers.
- b. The peak kW for total system retail sales corresponding to the information in (a);
- c. The total kWh of electricity provided to Minnesota retail customers (either directly or through distribution utilities);
- d. The peak kW for Minnesota retail customers corresponding to the information in (c);
- e. Total kWh of electricity generated from eligible energy technologies as defined by Minnesota Stat. §216B.1691, subd. 1(a)(1) and the Minnesota Public Utilities Commission's Orders in Docket No. E999/CI-03-869, deliverable to Minnesota retail customers. Please also provide the total nameplate capacity of renewable generation that meets these definitions.

Response:

This request references Minn. Stat. § 216B.243, subd. 3 (10) which requires the Commission to evaluate whether "applicants" for a Certificate of Need are in compliance with the applicable sections of Minn. Stat. §§ 216B.1691 ("REO/RES") and 216B.2425, subd. 7. The applicants in this proceeding are Xcel Energy and Great River Energy. In addition, Section 216B.243, subd. 3 (10) requires a determination of whether "applicants are in compliance with" the REO/RES. As of the date of this

response, Xcel Energy and Great River Energy are in compliance with the REO/RES.

It is Applicants' understanding that the Department seeks this data to use as an input to calculate the need for the facilities. Applicants further understand that the Department seeks information for Applicants, the other CapX2020 utilities who signed Project Development Agreements for one of the three 345 kV transmission lines that are the subject of this proceeding, Minnkota Power Cooperative ("Minnkota") and Minnesota Municipal Power Agency ("MMPA").

Based on this understanding, the requested information was gathered from Applicants and all of the CapX2020 utilities that have signed a Project Development Agreement for one of the three 345 kV transmission lines that are the subject of this proceeding. The attached spreadsheet provides that information. The data covers all of 2006 and, to the extent data is available, 2007. The spreadsheet does not include data for 2008. Information for Minnkota and MMPA was not readily available and is not included.

Specifically, the attached spreadsheet provides responses to A through E above in columns A through F. It also includes additional information in column G. Column G shows the qualifying renewable energy remaining for meeting the utility's Minnesota Renewable Energy Objective ("REO") after deducting renewable energy requirements in other jurisdictions or for purposes other than meeting the REO.

<b>Company</b>	<b>Year</b>	<b>(a) Retail Sales (kWh)</b>	<b>(b) Peak kW for System Sales</b>	<b>(c) kWh Provided to MN Retail Customers</b>	<b>(d) Peak kW for MN Retail Customers</b>	<b>(e) Total kWh Generated from Eligible Tech., Deliverable to MN customers</b>	<b>(f) Nameplate Capacity in MW</b>	<b>(g) Total kWh Generated from Eligible Tech. Available for MN REO/RES</b>
<b>Central Minnesota Municipal Power Agency</b>	2006	519,399,230	109,007,000	519,399,230	109,007,000	30,045,000	14.8	29,945,000
	2007	537,321,147	93,575	533,889,147	93,575	35,274,568	16	35,174,568
<b>Dairyland Power Cooperative</b>	2006	4,388,479,092	1,023,215	756,325,319	160,970	179,233,000	46.8	140,053,000
	2007 (through Oct.)	3,563,974,565	1,025,000	678,889,672	142,969	149,297,000	46.8	99,573,000
<b>Great River Energy</b>	2006	10,860,872,108	2,562,700	10,860,872,108	2,562,700	550,446,700	171	296,350,620
	2007 (through Oct.)	10,906,869,900	2,504,400	10,906,869,900	2,504.40	487,294,400	271	288,144,800
<b>Minnesota Power</b>	2006	9,077,994,000	1,332,100	9,077,994,000	1,332,100	624,022,100	304.2	624,022,100
	2007 (through Nov.)	9,123,014,000	1,357,700	9,123,014,000	1,357,700	724,710,585	354.7	724,710,585

<b>Company</b>	<b>Year</b>	<b>(a) Retail Sales (kWh)</b>	<b>(b) Peak kW for System Sales</b>	<b>(c) kWh Provided to MN Retail Customers</b>	<b>(d) Peak kW for MN Retail Customers</b>	<b>(e) Total kWh Generated from Eligible Tech., Deliverable to MN customers</b>	<b>(f) Nameplate Capacity in MW</b>	<b>(g) Total kWh Generated from Eligible Tech. Available for MN REO/RES</b>
<b>Missouri River Energy Services</b>	2006	1,890,976,000	402,516	996,079,000	203,431	9,748,494	3.7	8,154,094
	2007 (through Sept.)	1,502,218,000	404,353	797,246,000	207,256	8,059,266	22.4	6,740,366
<b>Otter Tail Power Company</b>	2006	3,987,769,603	680,331	2,085,659,574	337,784	107,135,387	35.3	54,564,792
	2007 (through Oct.)	3,356,283,100	704,940	1,740,885,825	Data not yet available	82,891,510	54.8	42995376
<b>Rochester Public Utilities</b>	2006	20,184,143	72,400	20,184,143	72,400	13,512,683	5.6	13,512,683
	2007 (through Nov.)	23,902,794	60,300	23,902,794	60,300	14,833,614	5.6	14,833,614
<b>Southern Minnesota Municipal Power Agency (see note)</b>	2006	2,966,000,000	526,000	2,966,000,000	526,000	34,351,333	173.6	66,547,564
	2007 (through Nov.)	3,114,000,000	552,600	3,114,000,000	552,600	27,912,329	173.6	93,763,239

<b>Company</b>	<b>Year</b>	<b>(a) Retail Sales (kWh)</b>	<b>(b) Peak kW for System Sales</b>	<b>(c) kWh Provided to MN Retail Customers</b>	<b>(d) Peak kW for MN Retail Customers</b>	<b>(e) Total kWh Generated from Eligible Tech., Deliverable to MN customers</b>	<b>(f) Nameplate Capacity in MW</b>	<b>(g) Total kWh Generated from Eligible Tech. Available for MN REO/RES</b>
<b>Wisconsin Public Power, Inc.</b>	2006	5,025,936,000	988,000	0	0	0	0	0
	2007 (through Nov.)	4,696,057,000	947,000	0	0	0	0	0
<b>Xcel Energy</b>	2006	43,622,668,102	9,027,000	32,882,516,000	6,887,000	3,313,725,454	1,237.6	2,335,761,569
	2007 (through Sept.)	33,676,775,303	8,763,000	25,367,093,000	6,774,000	2,917,130,841	1,495.1	2,252,584,354

Note: For Southern Minnesota Municipal Power Agency ("SMMPA") the total renewable energy available for complying with the REO/RES (column G) is greater than total REO -eligible energy generated (column E). The result occurs because SMMPA purchased renewable energy credits from Basin Electric Power Cooperative in an effort to ensure compliance with the REO.

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Response By: Matt Lacey  
Title: Regulatory Policy Specialist  
Department: Transmission  
Company: Great River Energy  
Telephone: 763-241-2223  
Date: January 11, 2008

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Xcel Energy

Docket No.: E002, ET2/CN-06-1115

Response To: Susan L. Peirce Information Request No. 34  
MN Department of Commerce

Date Received: November 9, 2007

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Question:

Please complete Attachment A (Excel Worksheet) for each renewable resource currently used to serve Minnesota Customers, or known and approved projects forecast to come on line by January 1, 2010.

Response:

See Consolidated Attachment A (Excel Worksheet).

It is Applicants' understanding that the Department seeks this data to use as an input to calculate the need for the facilities. Applicants further understand that the Department seeks information for Applicants, the other CapX2020 utilities who signed Project Development Agreements for one of the three 345 kV transmission lines that are the subject of this proceeding, Minnkota Power Cooperative ("Minnkota") and Minnesota Municipal Power Agency ("MMPA").

Based on this understanding, the requested information was gathered from Applicants and all of the CapX2020 utilities that have signed a Project Development Agreement for one of the three 345 kV transmission lines that are the subject of this proceeding. The attached spreadsheet provides that information. Information for Minnkota and MMPA was not readily available and is not included.

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Response By: Matt Lacey  
Title: Regulatory Policy Specialist  
Department: Transmission  
Company: Great River Energy  
Telephone: 763-241-2223  
Date: January 11, 2008



**Attachment A: Data on Renewable Energy Sources**

Please provide the following information for all sources of renewable energy generation currently or forecast to be in use  
(If you would like a copy of this spreadsheet electronically, please e-mail: susan.peirce@state.mn.us)

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)	
<b>Central Minnesota Municipal Power Agency</b>																		
Glencoe Landfill Gas	McLeod	MN	Methane	Landfill gas/Turbine	N		2008	2.5	0	PPA	2028	Y	0	0	0	N/A	0	
Hancock Wind Energy Center	Hancock	IA	Wind	Turbine	N		June 2005	6	0	Agency PPA	Annual	Y	15,600,000	14,300,000	100,000	GREEN PRICING	15500000	
Blue Breezes	Faribault	MN	Wind	Turbine	N		12/15/2005	2.5	0	Member PPA	12/15/2025	Y	3,930,000	6,224,568	0	N/A	3930000	
Wolf Wind	Nobles	MN	Wind	Turbine	N		April 2006	6.25	0	Agency PPA	3/31/2021	Y	10,515,000	14,750,000	0	N/A	10515000	
Mt. Lake Wind	Watonwan	MN	Wind	Turbine	N		August 2007	1.25	0	Member Own	n/a	Y	0	0	0	N/A	0	
Jeffers Wind Energy Center	Cottonwood	MN	Wind	Turbine	N		Not in Service	10	0	Agency PPA	2033	Y	0	0	0	N/A	0	
Willmar Wind	Kandiyohi	MN	Wind	Turbine	N		Unknown	4	0	Unknown	Unknown	Y	0	0	0	N/A	0	
<b>Total</b>								<b>2006 nameplate 14.75</b>					<b>30,045,000</b>	<b>35,274,568</b>	<b>100,000</b>		<b>29945000</b>	
								<b>2007 nameplate 16</b>										
<b>Dairyland Power Cooperative</b>																		
[See Footnote]									[Note 1]						* as of 10/31/07	[Note 2]	[Note 2]	[Note 3]
Flambeau	Rusk	WI	Hydro	Hydro	N		1951	15.0	23	Own	n/a	Y	44,484,000	28,668,000	[Note 2]	[Note 2]	44,484,000	
McNeilus Wind Farm	Mower	MN	Wind	Wind	N		2003	17.4	[Note 1]	PPA	2023	Y	50,677,000	44,545,000	[Note 2]	[Note 2]	50,677,000	
Seven Mile Creek Landfill	Dunn	WI	Biogas	Landfill	N		2004	3.0	[Note 1]	Own	n/a	Y	19,393,000	12,600,000	[Note 2]	[Note 2]	19,393,000	
Wild Rose Manure Digester	Vernon	WI	Biogas	Digester	N		2005	0.8	[Note 1]	Own/PPA	2035	Y	3,609,000	1,863,000	[Note 2]	[Note 2]	3,609,000	
Five Star Dairy Manure Digester	Dunn	WI	Biogas	Digester	N		2005	0.8	[Note 1]	Own/PPA	2035	Y	4,220,000	4,069,000	[Note 2]	[Note 2]	4,220,000	
Timberline Trail Landfil	Rusk	WI	Biogas	Landfill	N		2006	4.0	[Note 1]	PPA	2026	Y	23,789,000	21,234,000	[Note 2]	[Note 2]	23,789,000	
Central Disposal Landfill	Winnebago	IA	Biogas	Landfill	N		2006	5.0	[Note 1]	PPA	2026	Y	29,731,000	33,195,000	[Note 2]	[Note 2]	29,731,000	
Norswiss Farms Manure Digester	Barron	WI	Biogas	Digester	N		2006	0.8	[Note 1]	Own/PPA	2036	Y	3,330,000	3,123,000	[Note 2]	[Note 2]	3,330,000	
Bach Farms Manure Digester	Clark	WI	Biogas	Digester	N		2008	0.8	[Note 1]	Own/PPA	2038	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Daley Farms Manure Digester	Goodhue	MN	Biogas	Digester	N		2008	0.8	[Note 1]	Own/PPA	2038	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Sarona Landfill	Washburn	WI	Biogas	Landfill	N		2008	2.7	[Note 1]	PPA	2028	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Timberline Trail Landfill	Rusk	WI	Biogas	Landfill	N		2008	2.4	[Note 1]	PPA	2028	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Central Disposal Landfill	Winnebago	IA	Biogas	Landfill	N		2008	1.6	[Note 1]	PPA	2028	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Wind Farm (Iberdrola)	Winnebago	IA	Wind	Wind	N		2008	20.0	[Note 1]	PPA	2028	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Seven Mile Creek Landfill	Dunn	WI	Biogas	Landfill	N		2009	1.0	[Note 1]	Own	2029	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Sarona Landfill	Washburn	WI	Biogas	Landfill	N		2009	0.8	[Note 1]	PPA	2029	Y	N?A	N?A	[Note 2]	[Note 2]	all	
Three Manure Digesters	TBD	TBD	Biogas	Digester	N		2010	2.4	[Note 1]	TBD	2040	Y	N?A	N?A	[Note 2]	[Note 2]	all	
McNeilus Wind Farm	Mower	MN	Wind	Wind	N		2008/2009	20.0	[Note 1]	PPA	2029	Y	N?A	N?A	[Note 2]	[Note 2]	all	
<b>Total</b>							<b>2006 and 2007</b>	<b>46.8</b>					<b>179,233,000</b>	<b>149,297,000</b>			<b>179,233,000</b>	
[1] Accredited Capacity to be determined by MAPP generation reserve sharing pool standards.																		
[2] All of DPC's renewable generation is pooled and the MWhs generated are assigned to states based on each individual state's requirement.																		
[3] This is the DPC System total that is eligible for the MN REO/RES. This is not an allocation of kWhs to MN REO/RES.																		
<b>Great River Energy</b>																		
Chandler	Murray	MN	Wind	Renewable	N		2/1/1999	1.98	0.15	PPA	4/30/2014	Y	6,554,000	4,093,000	2,184,667	Wholesale contract	0	
Champepadan	Murray	MN	Wind	Renewable	N		12/1/2001	1.98	0.2	PPA	11/30/2016	Y	5,984,000	5,618,000	4,369,333	MN Green Pricing	0	
Moulten	Murray	MN	Wind	Renewable	N		12/1/2001	1.98	0.12	PPA	11/31/2016	Y	6,642,000	6,277,000	284,920	WI RPS	0	
McNeilus	Dodge	MN	Wind	Renewable	N		2/28/2003	5.7	0.42	PPA	1/31/2018	Y	13,154,000	11,630,000	5,699,080	MN Green Pricing	0	
															3,321,000	Wholesale contract		
															5,889,587	MN Green Pricing	5,704,413	
															240,000	Wholesale contract		
															240,000	Wholesale contract		
															480,000	Wholesale contract		
															600,000	GRE own use		
Christoffer	Jackson	MN	Wind	Renewable	N		12/1/2003	5.7	0.58	PPA	5/30/2018	Y	18,879,000	14,527,000	-		18879000	
Trimont	Martin/Jacks	MN	Wind	Renewable	N		12/1/2005	100.5	13.33	PPA	11/30/2020	Y	327,235,000	290,730,000	227500000	REC sales	99735000	
Elk River Station, Unit 1 - 3	Sherburne	MN	RDF	Thermal	N		8/19/1989	50	36.8	Own	N/A	Y	148,667,700	132,649,400	150,000	Wholesale Contract	148517700	
Elk River Municipal	Sherburne	MN	Landfill Gas	Reciprocating Engine	N		11/1/2002	3.2	Not accredited	PPA	10/31/2022	N	23,331,000	21,770,000	-		23331000	
Prairie Star	Mower	MN	Wind	Renewable	N		Q4 07	100	N/A	PPA	12/31/27-approx	Y		N/A	N/A	N/A	N/A	
Elm Creek	Martin/Jacks	MN	Wind	Renewable	N		2008	99	N/A	PPA	18 yr from COD	Y		N/A	N/A	N/A	N/A	
<b>Total</b>							<b>2006 nameplate</b>	<b>171.0</b>					<b>550,446,700</b>	<b>487,294,400</b>	<b>254,279,587</b>		<b>296,167,113</b>	
							<b>2007 nameplate</b>	<b>271.0</b>										

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
<b>Minnesota Power</b>																	
Little Falls 5	Morrison	MN	WAT	Run of River	N		1906	0.4		Own		Y	-	-	0	N/A	-
Little Falls 6	Morrison	MN	WAT	Run of River	N		1906	0.4	0.3	Own		Y	424,000	364,900	0	N/A	424,000
Thomson 1	Carlton	MN	WAT	Reservoir	N		1907	13	12.1	Own		Y	32,169,000	37,615,521	0	N/A	32,169,000
Thomson 2	Carlton	MN	WAT	Reservoir	N		1907	10.8	10.8	Own		Y	25,653,000	29,029,035	0	N/A	25,653,000
Thomson 3	Carlton	MN	WAT	Reservoir	N		1907	10.8	10.6	Own		Y	26,982,000	35,597,211	0	N/A	26,982,000
Sylvan	Cass	MN	WAT	Run of River	N		1913	0.6	0.6	Own		Y	3,789,000	2,140,280	0	N/A	3,789,000
Sylvan	Cass	MN	WAT	Run of River	N		1913	0.6	0.6	Own		Y	3,090,000	2,648,389	0	N/A	3,090,000
Thomson 4	Carlton	MN	WAT	Reservoir	N		1914	13.5	13.4	Own		Y	23,839,000	35,703,736	0	N/A	23,839,000
Sylvan	Cass	MN	WAT	Run of River	N		1915	0.6	0.6	Own		Y	3,150,000	1,518,938	0	N/A	3,150,000
Pillager 1	Cass	MN	WAT	Run of River	N		1917	0.8	0.8	Own		Y	4,067,000	3,080,000	0	N/A	4,067,000
Pillager 2	Cass	MN	WAT	Run of River	N		1917	0.9	0.9	Own		Y	4,371,000	3,460,000	0	N/A	4,371,000
Rapids Energy Center 4	Itasca	MN	WAT	Run of River	N		1918	0.75	0.75	Own		Y	2,926,000	2,411,000	0	N/A	2,926,000
Thomson 5	Carlton	MN	WAT	Reservoir	N		1918	12.5	12.2	Own		Y	30,550,000	33,913,581	0	N/A	30,550,000
Little Falls 1	Morrison	MN	WAT	Run of River	N		1919	0.8	0.8	Own		Y	5,334,000	5,057,400	0	N/A	5,334,000
Little Falls 2	Morrison	MN	WAT	Run of River	N		1919	0.8	0.8	Own		Y	6,615,000	4,946,700	0	N/A	6,615,000
Little Falls 3	Morrison	MN	WAT	Run of River	N		1920	1.1	1	Own		Y	7,582,000	5,847,500	0	N/A	7,582,000
Prairie River	Itasca	MN	WAT	Run of River	N		1921	0.4	0.4	Own		Y	881,000	568,700	0	N/A	881,000
Prairie River	Itasca	MN	WAT	Run of River	N		1921	0.5	0	Own		Y	-	-	0	N/A	-
Knife Falls 1	Carlton	MN	WAT	Run of River	N		1922	0.8	0.6	Own		Y	1,749,000	3,880,000	0	N/A	1,749,000
Knife Falls 2	Carlton	MN	WAT	Run of River	N		1922	0.8	0.6	Own		Y	3,800,000	2,633,100	0	N/A	3,800,000
Knife Falls 3	Carlton	MN	WAT	Run of River	N		1922	0.8	0.7	Own		Y	2,680,000	2,555,300	0	N/A	2,680,000
Scanlon 1	Carlton	MN	WAT	Run of River	N		1923	0.4	0.3	Own		Y	1,282,000	1,500,000	0	N/A	1,282,000
Scanlon 2	Carlton	MN	WAT	Run of River	N		1923	0.4	0.3	Own		Y	1,200,000	1,574,000	0	N/A	1,200,000
Scanlon 3	Carlton	MN	WAT	Run of River	N		1923	0.4	0.4	Own		Y	1,967,000	1,583,200	0	N/A	1,967,000
Scanlon 4	Carlton	MN	WAT	Run of River	N		1923	0.4	0.4	Own		Y	906,000	1,685,700	0	N/A	906,000
Winton 3	Lake	MN	WAT	Run of River	N		1923	2	2	Own		Y	88,386,000	7,794,000	0	N/A	88,386,000
Winton 4	Lake	MN	WAT	Run of River	N		1923	2	2	Own		Y	6,275,000	10,328,000	0	N/A	6,275,000
Fond Du Lac	St. Louis	MN	WAT	Run of River	N		1924	12	11	Own		Y	30,824,000	36,148,300	0	N/A	30,824,000
Blanchard 1	Morrison	MN	WAT	Run of River	N		1925	6	5.5	Own		Y	16,909,000	21,379,000	0	N/A	16,909,000
Blanchard 2	Morrison	MN	WAT	Run of River	N		1925	6	5.5	Own		Y	35,489,000	23,717,500	0	N/A	35,489,000
Rapids Energy Center 5	Itasca	MN	WAT	Run of River	N		1948	1.5	1.5	Own		Y	4,690,000	4,444,000	0	N/A	4,690,000
M L Hibbard 3	St. Louis	MN	WDS	Steam	Y	Wood/Coal 70/30	1949	35	33	Own		Y	55,517,000	49,667,000	0	N/A	38,861,900
Thomson 6	Carlton	MN	WAT	Reservoir	N		1949	12	12.2	Own		Y	31,504,000	45,556,993	0	N/A	31,504,000
M L Hibbard 4	St. Louis	MN	WDS	Steam	Y	Wood/Coal 70/30	1951	39	24	Own		Y	24,214,000	1,456,000	0	N/A	16,949,800
Rapids Energy Center 6	Itasca	MN	WDS	Steam	Y	Wood/Coal 70/30	1969	15	13.6	Own		Y	35,257,000	36,149,000	0	N/A	24,679,900
Little Falls 4	Morrison	MN	WAT	Run of River	N		1979	1.2	1.2	Own		Y	5,442,000	6,280,200	0	N/A	5,442,000
Rapids Energy Center 7	Itasca	MN	WDS	Steam	Y	Wood/Coal 70/30	1980	15	14.6	Own		Y	92,909,000	84,217,000	0	N/A	65,036,300
Blanchard 3	Morrison	MN	WAT	Run of River	N		1988	6	5.5	Own		Y	19,993,000	20,792,900	0	N/A	19,993,000
SAPPI Cloquet TG 5	Carlton	MN	WDS	Steam	Y	Wood/Coal 50/50	2001	27.6	22.3	Own		Y	104,364,000	102,634,000	0	N/A	31,309,200
Oliver Wind I Energy Center	Oliver	ND	WIN	Wind	N		2006	50.6	10	PPA	12/31/2031	Y	12,667,000	174,848,000	0	N/A	12,667,000
Oliver Wind II Energy Center	Oliver	ND	WIN	Wind	N		2007	48	10	PPA	12/31/2032	Y	-	1,312,000	0	N/A	-
Wing River CBED Wind Power	Todd	MN	WIN	Wind	N		2007	2.5	0.3	PPA	12/31/2027	Y	-	1,963,000	0	N/A	-
<b>Total</b>							<b>2006 nameplate</b>	<b>304.15</b>					<b>759,446,000</b>	<b>848,001,085</b>			<b>624,022,100</b>
							<b>2007 nameplate</b>	<b>354.65</b>									
<b>Missouri River Energy Services</b>																	
Worthington Wind	Nobles	MN	wind	Wind Turbine	N		7/2002 and 12/2003	3.7	0	PPA	life of unit	Y	9,748,494	8,059,266	1,594,400	green pricing program	8,154,094
Marshall Wind	Lyon	MN	wind	Wind Turbine	N		12/15/2007	18.7	0	PPA		Y	0	0			TBD
Odin Wind	Cottonwood / Watonwan	MN	wind	Wind Turbine	N		1/1/2008	20	0	PPA	2028	Y	0	0			TBD
<b>Total</b>							<b>2006 nameplate</b>	<b>3.7</b>					<b>9,748,494</b>	<b>8,059,266</b>	<b>1,594,400</b>		<b>8,154,094</b>
							<b>2007 nameplate</b>	<b>22.4</b>									
<b>Otter Tail Power Company</b>																	
Bemidji Hydro #1	Beltrami	MN	Hydro	Hydro	N		1907	0.24	0.175	Own	N/A	Y	741,005	876,214	353,459	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	387,546
Bemidji Hydro #2	Beltrami	MN	Hydro	Hydro	N		1907	0.5	0.583	Own	N/A	Y	Included with #1 unit	Included with #1 unit	0	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	0

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
Dayton Hollow #2	Ottertail	MN	Hydro	Hydro	N		1909	0.45	0.468	Own	N/A	Y	Included with #1 unit	Included with #1 unit	0	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	0
Hoot Lake	Ottertail	MN	Hydro	Hydro	N		1914	1	0.75	Own	N/A	Y	3,195,840	1,456,469	1,524,416	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	1,671,424
Pisgah	Ottertail	MN	Hydro	Hydro	N		1918	0.52	0.75	Own	N/A	Y	1,849,645	3,466,183	882,281	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	967,364
Wright (Central)	Ottertail	MN	Hydro	Hydro	N		1922	0.4	0.489	Own	N/A	Y	2,034,310	2,141,044	970,366	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	1,063,944
Taplin Gorge (Friberg)	Ottertail	MN	Hydro	Hydro	N		1925	0.56	0.52	Own	N/A	Y	3,847,480	3,144,937	1,835,248	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	2,012,232
Dayton Hollow #1	Ottertail	MN	Hydro	Hydro	N		1928	0.52	0.549	Own	N/A	Y	6,695,107	6,174,524	3,193,566	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	3,501,541
Trautman	Stutsman	ND	Wind	Wind	N		1985	0.05	None	PPA	Indefinite - on small power producer tariff	Y	0		0	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	0
Potlatch Cogeneration Facility (OTP Share)	Beltrami	MN	Biomass	Steam	N		1992	6.25	5.862	PPA	Unit was shutdown on August 30, 2006	Y	20,389,000	0	9,725,553	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	10,663,447
Lac Qui Parle Valley School	Lac Qui Parle	MN	Wind	Wind	N		1997	0.225	None	PPA	Indefinite	Y	24,000	18,360	11,448	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	12,552
Hendricks Wind I	Lincoln	MN	Wind	Wind	N		2001	0.9	Jul-0.101, Aug-0.104	PPA	12/31/2017	Y	2,605,000	2,305,565	2,605,000	Green Pricing	0
EMS	Deuel	SD	Wind	Wind	N		2002	0.09	None	PPA	12/31/2012	Y	200,000	163,962	200,000	Green Pricing	0
FPLE North Dakota Wind II	LaMoure	ND	Wind	Wind	N		2003	21	Jul-2,723, Aug-2,668	PPA	3/31/2028	Y	60,933,000	59,996,000	29,065,041	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	31,867,959
Borderline Wind I	Lincoln	MN	Wind	Wind	N		2003	0.9	Jul-0.074, Aug-0.079	PPA	12/31/2028	Y	2,465,000	1,966,464	1,175,805	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	1,289,195
UM-Morris	Stevens	MN	Wind	Wind	N		2005	1.65	None	PPA	Indefinite - on small power producer tariff	Y	2,156,000	1,181,788	1,028,412	Renewable energy allocated over 100% of retail sales. This is ND & SD portion	1,127,588
Dennis Tuel Wind	Ottertail	MN	Wind	Wind	N		Nov-07	0.0395	None	PPA	Indefinite - on small power producer tariff	Y	Unknown - owner will use some energy on site				
FPLE Langdon Wind	Cavalier	ND	Wind	Wind	N		Dec-07	19.5	Unknown	PPA	25 Year	Y	Estimate 71,744,400 kWh annually				
UM-Morris Biomass	Stevens	MN	Biomass	Steam	N		Feb-08	0.4	None	Will be PPA	Unknown	Y	Unknown - owner will use some energy on site				
UM-Morris Wind	Stevens	MN	Wind	Wind	N		2008 or 2009	1.5 - 2.0	Unknown	Will be PPA	Unknown	Y	Unknown - owner will use some energy on site				
OTP Langdon Wind	Cavalier	ND	Wind	Wind	N		Jan-08	40.5	Unknown	Own	N/A	Y	Estimate 149,007,600 kWh annually				
<b>Total</b>							<b>2006 nameplate</b>	<b>35.255</b>					<b>107,135,387</b>	<b>82,891,510</b>	<b>52,570,595</b>		<b>54,564,792</b>
							<b>2007 nameplate</b>	<b>54.7945</b>									
<b>Rochester Public Utilities</b>																	
Lake Zumbro Hydro Facility	Wabasha	MN	Hydro		N		1919 (rebuilt 1984)	2.974	2.974 MW	Own	N/A	Y	13,359,245	14,613,146	0	N/A	13,359,245
Olmsted County Waste to Energy Facility	Olmsted	MN	Garbage		N		1989	2.66	2.66 MW	PPA	2030	Y	153,438	220,468	0	N/A	153,438
Olmsted Cnty Waste to Energy - New 5 M	Olmsted	MN	Garbage		N		2009	5	5.0 MW	PPA	2030	Y	N/A	N/A	N/A	N/A	
<b>Total</b>							<b>2006 and 2007</b>	<b>5.634</b>					<b>13,512,683</b>	<b>14,833,614</b>	<b>0</b>		<b>13,512,683</b>

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
<b>Southern Minnesota Municipal Power Agency</b>																	
Fairmont Phase I	Martin	MN	Wind	Wind	N		3/14/2003, 3/17/2003	1.9	0	SMMPA OWNED		Y	5,197,117	5,306,585	5,197,117	Green Pricing	0
Fairmont Phase II	Martin	MN	Wind	Wind	N		12/23/2004, 2/7/2005	3.3	0	SMMPA OWNED		Y	10,748,087	5,571,956	2,436,862	Green Pricing	8,311,225
Redwood Falls Phase I	Redwood	MN	Wind	Wind	N		12/28/2004, 2/09/2005	3.3	0	SMMPA OWNED		Y	9,959,069	10,396,888	0		9,959,069
Olmstead Waste to Energy Facility	Olmstead	MN	MSW	Bio-mass/steam	N		7/1/1987	3.68	.81 - 1.53 MW	PPA	Effective Till Termination	Y	8,046,060	5,851,900	0		8,046,060
Member Bio-diesel	Various	MN	Bio-Diesel	Internal Combustion	Y	The percentage of Bio-Diesel, Distillate Diesel and Natural gas Varies widely by Site / Engine	Various Years	161.37	161.37	Member Owned		Y	401,000	785,000	0		401,000
Basin Electric	LaMoire; Hyde	N.D.; S.D.	Tradable Renewable Credit (TRC)	Wind	N		Generated in 2004	N/A	N/A	N/A	N/A		39,830,210 kWh Retired in 2006	17,000,000 KWH Will be Retired	0		39,830,210
Basin Electric	LaMoire; Hyde; Brule; Ward	N.D.; S.D.	Tradable Renewable Credit (TRC)	Wind	N		Generated in 2005	N/A	N/A	N/A	N/A		0	Approximately 55,000,000KWH will be retired in 2007	0		0
3Phases Energy; Minnesota Methane	Warren; Cuyhoga	Indiana; Ohio	Tradable Renewable Credits (TRC)	Landfill Gas	N		Generated in 2005	N/A	N/A	N/A	N/A		0	0	0		0
Big Blue Wind Farm LLC (Contracted)	Fairbault	MN	Wind	Wind	N		Expected Mid 2009 COD	36 MW	TBD	PPA	20 Years From COD	Y	N/A	N/A	0		0
Member Hydro (In Negotiation)	RedWood	MN	Hydro	Hydro	N		Dam constructed in 1902, turbine purchased in 1929 and last refurbished in 2001	Name plate 500KW Effective 350KW	0	Member Owned Consumating PPA or REC purchase	N/A	Y	1,219,936	1,608,918	0		0
Confidential (In Negotiation)	Confidential	IA	Wind	Wind	N		Late 2009 Early 2010	60 MW	TBD	PPA	20 Years From COD	Y	N/A	N/A	0		0
Confidential (In Negotiation)	Confidential	MN	Landfill Gas	Internal Combustion	N		Late 2008 Early 2009	1.65 MW	TBD	Own		Y	N/A	N/A	0		0
Confidential (In Negotiation)	Confidential	MN	Bio-Mass	Fluid Bed	Y	TBD	Late 2009 Early 2010	Aprox 20 MW	TBD	PPA	20 - 25 Years from COD	Y	N/A	N/A	0		0
<b>Total</b>							<b>2006 and 2007</b>	<b>173.55</b>					<b>74,181,543</b>	<b>27,912,329</b>	<b>7,633,979</b>		<b>66,547,564</b>
<b>Xcel Energy</b>																	
Fenton Power Partners I, LLC	Murray	MN	Wind	Wind Turbine(s)	N		11/13/2007	205.50	27.74	PPA	11/11/2032	Y	NA	NA	N/A	See prior columns	N/A
FibroMinnesota	Swift	MN	Biomass	Turbine/Boiler	N		9/11/2007	50.00	N/A	PPA	9/9/2028	Y	NA	112,375,000	N/A	See prior columns	N/A
MinnAURI	Rock	MN	Biomass	Biodiesel	N		July-Oct 2007	2	N/A	PPA	N/A	Y	0	292,000	16% to WI	See prior columns	0
Apple River	St Croix	WI	Hydro	Hydro	N		1901	4.35	3.00	Own	N/A	Y	11,062,000	6,933,000	25% to other jurisdictions	See prior columns	8296500
Riverdale	St. Croix	WI	Hydro	Hydro	N		1/1/1905	0.50	0.29	Own	N/A	Y	2,204,000	1,262,000	25% to other jurisdictions	See prior columns	1653000
St Croix Falls	Polk	WI	Hydro	Hydro	N		1/1/1905	23.20	23.90	Own	N/A	Y	90,631,000	62,243,000	25% to other jurisdictions	See prior columns	67973250
Dells	Eau Claire	WI	Hydro	Hydro	N		1907	9.50	5.74	Own	N/A	Y	32,430,000	14,561,000	25% to other jurisdictions	See prior columns	24322500
White River	Ashland	WI	Hydro	Hydro	N		1/1/1907	1.00	0.86	Own	N/A	Y	3,902,000	2,775,000	25% to other jurisdictions	See prior columns	2926500
Hayward	Sawyer	WI	Hydro	Hydro	N		1/1/1910	0.17	0.20	Own	N/A	Y	1,435,000	933,000	25% to other jurisdictions	See prior columns	1076250
Cedar Falls	Dunn	WI	Hydro	Hydro	N		1911	6.00	7.20	Own	N/A	Y	26,589,000	18,335,000	25% to other jurisdictions	See prior columns	19941750
Saxon Falls	Iron	WI	Hydro	Hydro	N		1/1/1912	1.26	1.50	Own	N/A	Y	10,498,000	5,699,000	25% to other jurisdictions	See prior columns	7873500
Superior Falls	Iron	WI	Hydro	Hydro	N		1/1/1917	1.32	1.85	Own	N/A	Y	11,421,000	6,187,000	25% to other jurisdictions	See prior columns	8565750
Wissota	Chippewa	WI	Hydro	Hydro	N		1/1/1917	35.00	36.43	Own	N/A	Y	90,797,000	59,644,000	25% to other jurisdictions	See prior columns	68097750
Big Falls	Rusk	WI	Hydro	Hydro	N		1922	7.78	7.59	Own	N/A	Y	26,853,000	15,202,000	25% to other jurisdictions	See prior columns	20139750
Trego	Washburn	WI	Hydro	Hydro	N		1/1/1926	1.20	1.30	Own	N/A	Y	5,910,000	4,243,000	25% to other jurisdictions	See prior columns	4432500

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
Thornapple	Rusk	WI	Hydro	Hydro	N		1/1/1927	1.40	1.60	Own	N/A	Y	7,296,000	3,916,000	25% to other jurisdictions	See prior columns	5472000
Chippewa Falls	Chippewa	WI	Hydro	Hydro	N		1928	21.60	18.19	Own	N/A	Y	45,485,000	28,794,000	25% to other jurisdictions	See prior columns	34113750
Ladysmith	Rusk	WI	Hydro	Hydro	N		1/1/1941	2.00	2.80	Own	N/A	Y	8,171,000	5,002,000	25% to other jurisdictions	See prior columns	6128250
Holcombe	Chippewa	WI	Hydro	Hydro	N		1/1/1950	33.90	35.20	Own	N/A	Y	64,078,000	39,723,000	25% to other jurisdictions	See prior columns	48058500
St. Anthony	Hennepin	MN	Hydro	Hydro	N		1/1/1954	13.50	11.98	Own	N/A	Y	58,998,000	39,282,000	25% to other jurisdictions	See prior columns	44248500
Menomonie	Dunn	WI	Hydro	Hydro	N		1/1/1958	5.40	5.32	Own	N/A	Y	18,270,000	12,549,000	25% to other jurisdictions	See prior columns	13702500
Cornell	Chippewa	WI	Hydro	Hydro	N		1976	30.80	30.85	Own	N/A	Y	56,203,000	35,927,000	25% to other jurisdictions	See prior columns	42152250
Rapidan Hydro	Blue Earth	MN	Hydro	Hydro	N		5/1/1984	5.00	4.30	PPA	5/1/2017	Y	4,727,000	5,720,000	25% to other jurisdictions	See prior columns	3545250
Lac Courte Oreilles Band of Lake Superior	Sawyer	WI	Hydro	Hydro	N		12/9/1986	3.10	3.10	PPA	12/31/2021	Y	6,170,000	0	25% to other jurisdictions	See prior columns	4627500
Neshonoc	Lacrosse	WI	Hydro	Hydro	N		1/1/1987	0.40	0.40	PPA	1/1/2020	Y	1,840,000	1,451,000	25% to other jurisdictions	See prior columns	1380000
Hastings Utilities Dept.	Dakota	MN	Hydro	Hydro	N		10/5/1987	4.00	2.80	PPA	6/30/2033	Y	24,180,000	18,138,000	25% to other jurisdictions	See prior columns	18135000
Jim Falls	Chippewa	WI	Hydro	Hydro	N		1/1/1988	55.50	57.55	Own	N/A	Y	81,823,000	44,698,000	25% to other jurisdictions	See prior columns	61367250
Bylesby	Dakota	MN	Hydro	Hydro	N		3/1/1988	2.58	2.60	PPA	Evergreen	Y	11,658,000	8,256,000	25% to other jurisdictions	See prior columns	8743500
Eau Galle Renewable Energy Co. Inc.	Dunn	WI	Hydro	Hydro	N		8/1/1991	0.30	N/A	PPA	7/30/2026	Y	1,000	1,000	25% to other jurisdictions	See prior columns	750
Ford Motor Co.	Ramsey	MN	Hydro	Hydro	N		8/31/2002	18.00	N/A	PPA	TBD - month-month extension until plant sale	Y	58,507,000	17,882,000	25% to other jurisdictions	See prior columns	43880250
St. Cloud Hydro	Sherburne	MN	Hydro	Hydro	N		2/1/2003	8.80	6.70	PPA	10/31/2021	Y	39,483,000	25,639,000	16% to WI	See prior columns	33100257
Minnesota Methane LLC	Dakota	MN	Landfill Ga	Gas Turbine	N		5/1/1994	3.10	3.10	PPA	4/30/2014	Y	19,255,000	9,970,000	25% to other jurisdictions	See prior columns	14441250
Landfill Power Flying Cloud	Hennepin	MN	Landfill Ga	Gas Turbine	N		11/30/1994	4.80	4.70	PPA	11/30/2019	Y	0	0	25% to other jurisdictions	See prior columns	0
Pine Bend	Dakota	MN	Landfill Ga	Gas Turbine	N		3/31/1996	12.00	12.00	PPA	3/31/2026	Y	60,736,000	49,128,000	25% to other jurisdictions	See prior columns	45552000
Wilmarth	Blue Earth	MN	RDF	Steam Turbine/Boiler	Y	98.2% RDF; remaining gas	12/31/1948	25.00	17.50	Own	N/A	Y	109,669,310	82,646,455	25% to other jurisdictions	See prior columns	82251982
Red Wing	Goodhue	MN	RDF	Steam Turbine/Boiler	Y	98.5% RDF; remaining gas	12/31/1949	23.00	23.70	Own	N/A	Y	96,107,000	74,531,901	25% to other jurisdictions	See prior columns	72080250
Barron Light and Water Dept	Barron	WI	RDF	Steam Turbine/Boiler	N		8/1/1986	0.265	N/A	PPA	Evergreen; 60 days written notice of cancellation	Y	9,000	17,000	25% to other jurisdictions	See prior columns	6750
Hennepin Energy Resource Recovery	Hennepin	MN	RDF	Steam Turbine/Boiler	N		1/1/1990	33.7	33.70	PPA	28 years option for additional 7 years	Y	221,001,000	165,768,000	16% to WI; 0% to MN	See prior columns	0
Wind Power Partners 1993	Lincoln	MN	Wind	Wind Turbine(s)	N		5/3/1994	25.00	3.38	PPA	10/27/2018	Y	59,584,000	48,711,000	16% to WI	See prior columns	N/A
Lake Benton 1	Lincoln	MN	Wind	Wind Turbine(s)	N		12/14/1998	107.25	14.48	PPA	12/13/2028	Y	279,574,000	228,296,000	16% to WI	See prior columns	234378626
Lake Benton 2	Pipestone	MN	Wind	Wind Turbine(s)	N		5/31/2000	103.50	13.97	PPA	5/31/2030	Y	300,007,000	210,024,000	16% to WI	See prior columns	251508468
Ruthton Ridge Wind Farm	Pipestone	MN	Wind	Wind Turbine(s)	N		1/23/2001	1.98	0.27	PPA	1/23/2031	Y	6,267,000	4,820,000	16% to WI	See prior columns	5253889
Florence Hills	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/2/2031 6:36:00 AM	Y	5,761,000	4,129,000	16% to WI	See prior columns	4829688
Hadley Ridge	Murray	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/2/2031	Y	6,056,000	4,101,000	16% to WI	See prior columns	5076999
Hope Creek	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/2/2031	Y	6,105,000	4,700,000	16% to WI	See prior columns	5118078
Jack River	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/2/2031	Y	5,377,000	4,226,000	16% to WI	See prior columns	4507765
Jessica Mills	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	5,646,000	4,259,000	16% to WI	See prior columns	4733279
Julia Hills	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	4,300,000	4,367,000	16% to WI	See prior columns	4552197
Soliloque Ridge LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	6,072,000	4,478,000	16% to WI	See prior columns	5090413
Spartan Hills	Pipestone	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	5,923,000	4,441,000	16% to WI	See prior columns	4965500
Sun River	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	5,526,000	4,294,000	16% to WI	See prior columns	4632678
Tsar Nicolas	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	5,631,000	4,155,000	16% to WI	See prior columns	4720704
Twin Lake Hills	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	5,955,000	4,525,000	16% to WI	See prior columns	4992327
Winter Spawn	Lincoln	MN	Wind	Wind Turbine(s)	N		2/3/2001	1.98	0.27	PPA	2/3/2031	Y	6,229,000	4,639,000	16% to WI	See prior columns	5222032
Autumn Hills LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		2/17/2001	1.98	0.27	PPA	2/2/2031	Y	5,279,000	4,348,000	16% to WI	See prior columns	4425607
Agassiz Beach LLC	Clay	MN	Wind	Wind Turbine(s)	N		2/28/2001	1.98	0.27	PPA	2/2/2031	Y	5,399,000	4,210,000	16% to WI	See prior columns	4526208
Metro Wind	Sherburne	MN	Wind	Wind Turbine(s)	N		3/15/2001	0.66	0.09	PPA	3/15/2031	Y	898,000	789,000	16% to WI	See prior columns	752831

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
Kas Brothers Wind Farm	Pipestone	MN	Wind	Wind Turbine(s)	N		12/10/2001	1.50	0.20	PPA	12/10/2031	Y	4,213,000	3,260,000	16% to WI	See prior columns	3531935
Olsen Wind Farm	Pipestone	MN	Wind	Wind Turbine(s)	N		12/15/2001	1.50	0.20	PPA	12/15/2031	Y	3,604,000	3,266,000	16% to WI	See prior columns	3021385
BT Windfarm LLC	Dodge	MN	Wind	Wind Turbine(s)	N		8/13/2002	1.80	0.24	PPA	8/12/2027	Y	3,979,000	3,231,000	16% to WI	See prior columns	3335763
G M Windfarms	Dodge	MN	Wind	Wind Turbine(s)	N		8/13/2002	1.80	0.24	PPA	8/12/2027	Y	5,424,000	3,390,000	16% to WI	See prior columns	4547167
JCKD Windfarm LLC (aka SG, LLC)	Dodge	MN	Wind	Wind Turbine(s)	N		8/13/2002	1.80	0.24	PPA	8/12/2027	Y	4,101,000	3,305,000	16% to WI	See prior columns	3438041
McNeilus Windfarm LLC	Dodge	MN	Wind	Wind Turbine(s)	N		8/13/2002	1.80	0.24	PPA	8/12/2022	Y	4,200,000	3,430,000	16% to WI	See prior columns	3521036
Asian Children's Support LLC	Dodge	MN	Wind	Wind Turbine(s)	N		2/1/2003	1.90	0.26	PPA	1/31/2028	Y	4,549,000	3,527,000	16% to WI	See prior columns	3813618
Bangladesh Childrens Support LLC	Dodge	MN	Wind	Wind Turbine(s)	N		2/1/2003	1.90	0.26	PPA	1/31/2028	Y	5,413,000	3,521,000	16% to WI	See prior columns	4537945
Burmese Children's Support LLC	Dodge	MN	Wind	Wind Turbine(s)	N		2/1/2003	1.90	0.26	PPA	1/31/2028	Y	4,286,000	3,457,000	16% to WI	See prior columns	3593134
Indian Children's Support LLC	Dodge	MN	Wind	Wind Turbine(s)	N		2/1/2003	1.90	0.26	PPA	1/31/2028	Y	4,530,000	3,577,000	16% to WI	See prior columns	3797689
Salvadoran Children's Support LLC	Dodge	MN	Wind	Wind Turbine(s)	N		2/1/2003	1.90	0.26	PPA	2/1/2028	Y	4,470,000	3,587,000	16% to WI	See prior columns	3747389
K-Brink Wind Farm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		2/13/2003	1.90	0.26	PPA	2/13/2028	Y	6,751,000	4,926,000	Windsorce	See prior columns	0
Windcurrent Farms	Pipestone	MN	Wind	Wind Turbine(s)	N		5/31/2003	1.90	0.26	PPA	5/30/2028	Y	6,359,000	3,414,000	Windsorce	See prior columns	0
Boeve Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		8/9/2003	1.90	0.26	PPA	8/7/2028	Y	5,255,000	3,420,000	Windsorce	See prior columns	0
Fey Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		9/4/2003	1.90	0.26	PPA	9/2/2028	Y	5,780,000	4,471,000	16% to WI	See prior columns	4845617
GarMar Foundation 1, LLC	Dodge	MN	Wind	Wind Turbine(s)	N		9/10/2003	1.80	0.24	PPA	9/8/2028	Y	3,918,000	3,126,000	16% to WI	See prior columns	3284624
NAE Shaokatan	Lincoln	MN	Wind	Wind Turbine(s)	N		11/1/2003	1.65	0.22	PPA	10/31/2033	Y	0	0	16% to WI	See prior columns	0
CG Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		12/1/2003	1.90	0.26	PPA	11/29/2028	Y	6,192,000	3,900,000	16% to WI	See prior columns	5191014
Chanarambie Power Partners	Murray	MN	Wind	Wind Turbine(s)	N		12/15/2003	85.50	11.54	PPA	12/13/2023	Y	256,113,000	210,785,000	16% to WI	See prior columns	214710285
Buffalo Ridge Wind Farm LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/16/2018	Y	5,173,000	3,332,000	16% to WI	See prior columns	4336743
Moulten Heights Wind Power Project LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	5,116,000	3,452,000	16% to WI	See prior columns	4288958
Muncie Power Partners LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	4,978,000	3,121,000	16% to WI	See prior columns	4173266
North Ridge Wind Farm LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	5,225,000	3,442,000	16% to WI	See prior columns	4380337
Vandy South Project LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	5,214,000	3,486,000	16% to WI	See prior columns	4371115
Viking Wind Farm LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	4,916,000	3,142,000	16% to WI	See prior columns	4121289
Vindy Power Partners LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	4,865,000	3,117,000	16% to WI	See prior columns	4078534
Wilson-West Windfarm LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/18/2003	1.50	0.20	PPA	12/17/2018	Y	4,907,000	3,147,000	16% to WI	See prior columns	4113744
Moraine Wind LLC	Murray	MN	Wind	Wind Turbine(s)	N		12/22/2003	51.00	6.89	PPA	12/21/2018	Y	154,652,000	120,855,000	16% to WI	See prior columns	129651267
Bisson Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		12/28/2003	1.90	0.26	PPA	12/26/2028	Y	4,672,000	3,493,000	Windsorce	See prior columns	0
TG Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		12/28/2003	1.90	0.26	PPA	12/27/2028	Y	5,723,000	3,311,000	16% to WI	See prior columns	4797831
Toftford Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		12/28/2003	1.90	0.26	PPA	12/27/2028	Y	5,658,000	4,608,000	16% to WI	See prior columns	4743339
Westridge Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		12/28/2003	1.90	0.26	PPA	12/27/2028	Y	6,078,000	4,440,000	Windsorce	See prior columns	0
NAE Lakota Ridge	Lincoln	MN	Wind	Wind Turbine(s)	N		5/1/2004	11.25	1.52	PPA	5/1/2034	Y	30,036,000	23,873,000	16% to WI	See prior columns	25180440
NAE Shaokatan Hills	Lincoln	MN	Wind	Wind Turbine(s)	N		5/1/2004	11.88	1.60	PPA	5/1/2034	Y	36,411,000	29,561,000	16% to WI	See prior columns	30524871
Woodstock Windfarm	Pipestone	MN	Wind	Wind Turbine(s)	N		5/1/2004	10.20	1.38	PPA	5/1/2034	Y	25,530,000	20,110,000	16% to WI	See prior columns	21402871
Carlton College	Rice	MN	Wind	Wind Turbine(s)	N		9/20/2004	1.65	0.22	PPA	9/18/2024	Y	4,650,000	3,643,000	16% to WI	See prior columns	3898290
JJN Windfarm LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		12/17/2004	1.50	0.20	PPA	12/17/2029	Y	5,241,000	3,883,000	16% to WI	See prior columns	4393750
Lucky Wind	Pipestone	MN	Wind	Wind Turbine(s)	N		1/1/2005	1.65	0.22	PPA	12/31/2024	Y	5,138,000	4,081,000	16% to WI	See prior columns	4307401
Stahl Wind	Pipestone	MN	Wind	Wind Turbine(s)	N		1/24/2005	1.65	0.22	PPA	1/23/2025	Y	5,497,000	4,244,000	16% to WI	See prior columns	4608366
Carstensen Wind LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		1/25/2005	1.65	0.22	PPA	1/23/2025	Y	4,466,000	3,327,000	16% to WI	See prior columns	3744035
Greenback Energy LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		1/25/2005	1.65	0.22	PPA	1/23/2025	Y	5,303,000	4,017,000	16% to WI	See prior columns	4445728
Northern Lights	Pipestone	MN	Wind	Wind Turbine(s)	N		1/25/2005	1.65	0.22	PPA	1/24/2025	Y	5,072,000	4,286,000	16% to WI	See prior columns	4252071
Minwind III	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	4,981,000	3,575,000	16% to WI	See prior columns	4175782
Minwind IV	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	5,137,000	3,403,000	16% to WI	See prior columns	4306563
Minwind IX	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	5,390,000	3,940,000	16% to WI	See prior columns	4518663
Minwind V	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	5,195,000	3,880,000	16% to WI	See prior columns	4355187
Minwind VI	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	5,083,000	3,796,000	16% to WI	See prior columns	4261292
Minwind VII	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	5,232,000	4,027,000	16% to WI	See prior columns	4386205
Minwind VIII	Rock	MN	Wind	Wind Turbine(s)	N		2/2/2005	1.65	0.22	PPA	2/1/2025	Y	5,500,000	3,816,000	16% to WI	See prior columns	4610881
Ashland Windfarm LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.90	0.26	PPA	4/30/2025	Y	4,413,000	3,576,000	Windsorce	See prior columns	0
Brandon Wind LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.50	0.20	PPA	4/29/2025	Y	4,164,000	3,345,000	16% to WI	See prior columns	3490856
GarWind LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.50	0.20	PPA	4/29/2025	Y	3,471,000	3,225,000	16% to WI	See prior columns	2909885

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
Grant Windfarm LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.90	0.26	PPA	4/29/2025	Y	4,792,000	3,653,000	Windsourc	See prior columns	0
Henslin Creek LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.50	0.20	PPA	4/29/2025	Y	4,101,000	3,272,000	16% to WI	See prior columns	3438041
Triton Wind LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.50	0.20	PPA	4/30/2025	Y	4,058,000	3,237,000	16% to WI	See prior columns	3401992
Wasioja Wind LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.50	0.20	PPA	4/30/2025	Y	4,018,000	3,255,000	16% to WI	See prior columns	3368458
Wilhelm Wind LLC	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.50	0.20	PPA	4/30/2025	Y	4,381,000	3,507,000	16% to WI	See prior columns	3672776
Zumbro Windfarm	Dodge	MN	Wind	Wind Turbine(s)	N		5/1/2005	1.90	0.26	PPA	4/30/2025	Y	4,266,000	3,389,000	Windsourc	See prior columns	0
Gary J.T. (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		8/25/2005	1.65	0.22	PPA	8/26/2025	Y	47,266,000	30,051,000	16% to WI	See prior columns	39625073
Jenna M.T. (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		8/28/2005	1.65	0.22	PPA	8/27/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
Krysta J.T. LLC (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		8/28/2005	1.65	0.22	PPA	8/27/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
Mark J.P. LLC (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		8/28/2005	1.65	0.22	PPA	8/27/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
Theresa M.T. LLC (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		8/28/2005	1.65	0.22	PPA	8/27/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
McBeth Wind 1LLC (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		9/4/2005	1.65	0.22	PPA	9/3/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
McBeth Wind 2 LLC (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		9/4/2005	1.65	0.22	PPA	9/3/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
McBeth Wind 3 LLC (Tholen)	Pipestone	MN	Wind	Wind Turbine(s)	N		9/4/2005	1.65	0.22	PPA	9/3/2025	Y	See Gary J.T. for Tholen total	See Gary J.T. for Tholen total	16% to WI	See prior columns	See Gary J.T. for Tholen total
Velva Windfarm LLC	McHenry	ND	Wind	Wind Turbine(s)	N		1/19/2006	11.88	1.60	PPA	1/18/2026	Y	31,148,000	23,175,000	16% to WI	See prior columns	26112677
Bendwind LLC	Murray	MN	Wind	Wind Turbine(s)	N		3/1/2006	1.25	0.17	PPA	2/27/2026	Y	2,177,000	2,734,000	16% to WI	See prior columns	1825071
DeGreffpa Wind LLC	Murray	MN	Wind	Wind Turbine(s)	N		3/8/2006	1.25	0.17	PPA	3/6/2026	Y	2,415,000	2,731,000	16% to WI	See prior columns	2024596
Larswind LLC	Murray	MN	Wind	Wind Turbine(s)	N		3/20/2006	1.25	0.17	PPA	3/19/2026	Y	2,259,000	2,657,000	16% to WI	See prior columns	1893815
DeGreff DP LLC	Murray	MN	Wind	Wind Turbine(s)	N		4/5/2006	1.25	0.17	PPA	4/3/2026	Y	2,075,000	2,302,000	16% to WI	See prior columns	1739560
Rock Ridge windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		4/12/2006	1.80	0.24	PPA	4/11/2021	Y	2,067,000	810,000	16% to WI	See prior columns	1732853
Southridge Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		4/12/2006	1.80	0.24	PPA	4/11/2021	Y	3,161,000	1,401,000	16% to WI	See prior columns	2649999
Windvest Windfarm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		4/12/2006	1.80	0.24	PPA	4/11/2021	Y	3,001,000	1,116,000	16% to WI	See prior columns	2515864
TAIR Windfarm llc	Murray	MN	Wind	Wind Turbine(s)	N		4/23/2006	1.25	0.17	PPA	4/22/2026	Y	1,382,000	2,686,000	16% to WI	See prior columns	1158589
Groen Wind LLC	Murray	MN	Wind	Wind Turbine(s)	N		4/24/2006	1.25	0.17	PPA	4/22/2026	Y	1,912,000	2,380,000	16% to WI	See prior columns	1602910
Hillcrest Wind LLC	Murray	MN	Wind	Wind Turbine(s)	N		4/28/2006	1.25	0.17	PPA	4/26/2026	Y	2,083,000	2,370,000	16% to WI	See prior columns	1746266
Sierra Wind LLC	Murray	MN	Wind	Wind Turbine(s)	N		5/1/2006	1.25	0.17	PPA	4/30/2026	Y	2,266,000	2,442,000	16% to WI	See prior columns	1899683
Breezy Bucks I	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/9/2026	Y	1,755,000	2,533,000	16% to WI	See prior columns	1471290
Breezy Bucks II	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/9/2026	Y	1,739,000	2,437,000	16% to WI	See prior columns	1458777
Roadrunner LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/10/2026	Y	2,284,000	2,531,000	16% to WI	See prior columns	1914773
Salty Dog I LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/10/2026	Y	2,369,000	2,605,000	16% to WI	See prior columns	1986032
Salty Dog II, LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/10/2026	Y	1,723,000	2,251,000	16% to WI	See prior columns	1444463
Wally's Wind Farm LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/10/2026	Y	2,408,000	2,898,000	16% to WI	See prior columns	2018728
Windy Dog LLC	Lincoln	MN	Wind	Wind Turbine(s)	N		5/11/2006	1.25	0.17	PPA	5/10/2026	Y	7,437,000	2,418,000	16% to WI	See prior columns	6234749
Shanes Wind Farm LLC	Pipestone	MN	Wind	Wind Turbine(s)	N		8/11/2006	2.00	0.27	PPA	8/10/2026	Y	1,595,000	1,211,000	16% to WI	See prior columns	1337155
Elsinore Wind Farm	Dodge	MN	Wind	Wind Turbine(s)	N		12/1/2006	1.65	0.22	PPA	11/29/2021	Y	5,283,000	2,637,000	19% to Windsourc (Nov.-Dec. 2006)	See prior columns	4264000
GarMar Foundation 2, LLC	Dodge	MN	Wind	Wind Turbine(s)	N		12/1/2006	1.90	0.26	PPA	11/29/2021	Y	4,320,000	3,330,000	20% to Windsourc (Nov.-Dec. 2006)	See prior columns	3453000
FPL Mower County	Mower	MN	Wind	Wind Turbine(s)	N		12/3/2006	98.90	13.35	PPA	12/1/2026	Y	70,413,000	270,083,000	16% to WI	See prior columns	59030175
St. Paul Cogeneration	Ramsey	MN	Wood	Turbine/Boiler	N		4/16/2003	25.00	25.00	PPA	12/31/2022	Y	158,448,000	120,114,000	16% to WI	See prior columns	158448000
Laurentian Energy LLC	Waseca	MN	Wood	Steam Turbine	N		12/29/2006	35.00	35.00	PPA	12/28/2026	Y	NA	176,080,000	N/A	See prior columns	N/A
French Island	LaCrosse	WI	Wood Wa	Steam Turbine/Boiler	Y	55.1% wood; remaining gas, coal or RDF	1/1/1940	25.00	25.00	Own	N/A	Y	38,627,144	28,236,449	25% to other jurisdictions	See prior columns	28970358
Bayfront	Ashland	WI	Wood Wa	Steam Turbine/Boiler	Y	40% wood; remaining gas, coal or RDF tires	1956	72.00	71.11	Own	N/A	Y	120,151,000	95,191,036	16% to WI; 0% to MN	See prior columns	0
Averill Wind LLC	Clay	MN	Wind	Wind Turbine(s)	N		TBD	4.95	0.67	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Central Minnesota Ethanol Cooperative	Morrison	MN	Biomass	Steam Turbine/Boiler	N		TBD	1.132	N/A	PPA	15 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Cisco Wind Energy	Jackson	MN	Wind	Wind Turbine(s)	N		TBD	8	1.08	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Crown Hydro	Hennepin	MN	Hydro	Hydro	N		TBD	3.00	N/A	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Ewington Energy Systems LLC	Jackson	MN	Wind	Wind Turbine(s)	N		TBD	19.95	2.69	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A

Facility Name	County	State	Energy Source	Technology Type	Is it a Multi-Fuel Unit? Y/N?	If Y to Col. F. Specify the fuels by %	Vintage	Nameplate Capacity (MW)	Accredited Capacity (MW)	PPA/Own	If PPA, provide the expiration date of Contract	Deliver to MN? Y or N	Generation (1/1/06 - 12/31/06) in kWh	Generation YTD 2007 in kWh	Amount of 2006 Generation Assigned to other Renew. Projects (kWh)	For the amount in Col. P Identify the project to which it is assigned (ie. green pricing, other state prog.)	2006 MN REO Eligible (kWh)
Glacial Ridge Windpower LLC	Pope	MN	Wind	Wind Turbine(s)	N		TBD	6.3	0.85	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Grant County Wind LLC	Grant	MN	Wind	Wind Turbine(s)	N		TBD	20	2.70	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Herman Wind LLC	Traverse	MN	Wind	Wind Turbine(s)	N		TBD	20	2.70	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Jeffers Wind	Cottonwood	MN	Wind	Wind Turbine(s)	N		TBD	50.00	6.75	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Kenyon Wind	Goodhue	MN	Wind	Wind Turbine(s)	N		TBD	18.90	2.55	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
MinnDakota	Lincoln, MN and Brookings, SD	MN, SD	Wind	Wind Turbine(s)	N		TBD	150.00	20.25	PPA	15 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
North Community Turbines	Lincoln	MN	Wind	Wind Turbine(s)	N		TBD	16	2.16	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
North Wind Cooperative	Lincoln	MN	Wind	Wind Turbine(s)	N		TBD	14	1.89	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
Remaining 500 MW C-BED Commitment	Various	MN	Wind	Wind Turbine(s)	N		TBD	333	44.96	PPA	TBD	Y	NA	NA	N/A	See prior columns	N/A
SAF Hydroelectric	Hennepin	MN	Hydro	Hydro	N		TBD	9.18	N/A	PPA	20 yrs from vintage	Y	N/A	N/A	N/A	See prior columns	N/A
St. Olaf College	Rice	MN	Wind	Wind Turbine(s)	N		TBD	1.65	0.22	PPA	20 yrs from vintage	Y	3,000	25,000	16% to WI	See prior columns	2515
West Stevens Wind LLC	Stevens	MN	Wind	Wind Turbine(s)	N		TBD	20	2.70	PPA	20 yrs from vintage	Y	NA	NA	N/A	See prior columns	N/A
<b>Total</b>							<b>2006 nameplate</b>	<b>1237.59</b>					<b>3,313,725,454</b>	<b>2,917,130,841</b>			<b>2,335,761,569</b>
							<b>2007 nameplate</b>	<b>1495.09</b>									
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- Public Document

Xcel Energy

Docket No.: E002, ET2/CN-06-1115

Response To: Susan L. Peirce Information Request No. 35  
MN Department of Commerce

Date Received: November 9, 2007

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Question:

For each of the following states, please identify the amount of any known renewable obligations for each of the years from 2008 – 2020. Provide a definition of how that obligation is determined.

- a. Iowa
- b. North Dakota
- c. South Dakota
- d. Wisconsin
- e. Other states, please identify any other state in which your utility will have a known renewable obligation.

Response:

It is Applicants' understanding that the Department seeks this data to use as an input to calculate the need for the facilities. Applicants further understand that the Department seeks information for Applicants, the other CapX2020 utilities who signed Project Development Agreements for one of the three 345 kV transmission lines that are the subject of this proceeding, Minnkota Power Cooperative ("Minnkota") and Minnesota Municipal Power Agency ("MMPA").

Based on this understanding, the requested information was gathered from Applicants and all of the CapX2020 utilities that have signed a Project Development Agreement for one of the three 345 kV transmission lines that are the subject of this proceeding. The attached spreadsheet provides that information. Information for Minnkota and MMPA was not readily available and is not included.

<b>Company</b>	<b>(a) Iowa Known Amount of Renewable Obligations</b>	<b>(b) North Dakota Known Amount of Renewable Obligations</b>	<b>(c) South Dakota Known Amount of Renewable Obligations</b>	<b>(d) Wisconsin Known Amount of Renewable Obligations</b>	<b>(e) Other States Known Amount of Renewable Obligations</b>
Central Minnesota Municipal Power Agency	None	None	None	None	None
Dairyland Power Cooperative	Green Pricing (a)	None	None	Baseline +(d)	None
Great River Energy	None	None	None	Baseline +(d)	None
Minnesota Power	None	None	None	None	None
Missouri River Energy Services	Green Pricing (a)	None	None	None	None
Otter Tail Power Company	None	10% by 2015 (b)	None	None	None
Rochester Public Utilities	None	None	None	None	None
Southern Minnesota Municipal Power Agency	None	None	None	None	None
Wisconsin Public Power Inc.	None	None	None	See Note <sup>1</sup>	None
Xcel Energy	None	10% by 2015 (d)	None	Baseline +(d)	None

## Definition of Obligation Determination by State

### **a. Iowa**

All electric utilities operating in Iowa, including those not rate-regulated by the Iowa Utilities Board ("IUB"), are required to offer green power options to their customers. These programs allow customers to make voluntary contributions to support the development of renewable energy sources in Iowa. Utilities must file their program plans and tariff schedules with the IUB. This policy took effect January 1, 2004. Iowa requires that investor owned utilities serving the state, Interstate Power and Light and Mid-American Energy, achieve 105 MW, in aggregate, of qualifying renewable generating capacity.

### **b. North Dakota**

North Dakota has a non-enforceable goal of 10% of retail sales by 2015.

### **c. South Dakota**

South Dakota does not have a renewable requirement.

### **d. Wisconsin**

The requirements for each utility are as follows:

For the years 2006, 2007, 2008 and 2009, each utility – including municipal utilities – may not decrease its renewable-energy percentage of the electricity sold to customers below the utility's average renewable-energy percentage for 2001, 2002 and 2003.

For the year 2010, each utility must increase its renewable-energy percentage by at least two points above the utility's average renewable-energy percentage for 2001, 2002 and 2003.

For the years 2011, 2012, 2013 and 2014, each utility may not decrease its renewable-energy percentage below the utility's renewable-energy percentage for 2010.

For the year 2015, each utility must increase its renewable-energy percentage by at least six points above the utility's average renewable-energy percentage for 2001, 2002 and 2003.

For each year after 2015, each utility may not decrease its renewable-energy percentage below the utility's renewable-energy percentage for 2015.

Note<sup>1</sup>: Wisconsin Public Power Inc. members, not Wisconsin Public Power, Inc., have renewable obligations. The obligation of each member is calculated as the member's renewable portfolio times the member's average retail load over the previous three years. A table showing the obligations is shown below.

**Wisconsin Public Power Inc. Members Renewable Obligations**

<b>Year</b>	<b>RPS</b>	<b>Renewable MWh (000s)</b>
2008	4.24%	213
2009	4.24%	215
2010	6.24%	323
2011	6.24%	330
2012	6.24%	336
2013	6.24%	343
2014	6.24%	349
2015	10.24%	583
2016	10.24%	592
2017	10.24%	603
2018	10.24%	614
2019	10.24%	624
2020	10.24%	634

**e. Other States**

At the time it filed its 2004-2019 integrated resource plan, Dairyland Power Cooperative had a renewable obligation in the State of Illinois (5% by 2010; 15% by 2020). Since then, Illinois has changed its renewable energy objective to 8% by 2013 (with a 75% wind component) and 25% by 2025. At the same time, cooperatives were excluded from the Illinois renewable energy objective.

No CapX2020 sponsoring utility has a renewable obligation in any state other than those identified in this response.

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Response By: Matt Lacey  
Title: Regulatory Policy Specialist  
Department: Transmission  
Company: Great River Energy  
Telephone: 763-241-2223  
Date: January 11, 2008

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- Public Document**

Xcel Energy

Docket No.: E002, ET2/CN-06-1115

Response To: Susan L. Peirce Information Request No. 36  
MN Department of Commerce

Date Received: November 9, 2007

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Question:

What has been the companies wind capacity factor for the years 2005, 2006 and 2007?

Response:

It is Applicants' understanding that the Department seeks this data to use as an input to calculate the need for the facilities. Applicants further understand that the Department seeks information for Applicants, the other CapX2020 utilities who signed Project Development Agreements for one of the three 345 kV transmission lines that are the subject of this proceeding, Minnkota Power Cooperative ("Minnkota") and Minnesota Municipal Power Agency ("MMPA").

Based on this understanding, the requested information was gathered from Applicants and all of the CapX2020 utilities that have signed a Project Development Agreement for one of the three 345 kV transmission lines that are the subject of this proceeding. The attached spreadsheet provides that information. Information for Minnkota and MMPA was not readily available and is not included.

<b>Company</b>	<b>2005 Wind Capacity Factor</b>	<b>2006 Wind Capacity Factor</b>	<b>2007 Wind Capacity Factor</b>
Central Minnesota Municipal Power Agency	30%	26%	30%
Dairyland Power Cooperative	29%	33%	35%
Great River Energy	34%	37%	39%
Minnesota Power	0	0	43%
Missouri River Energy Services	33%	30%	33%
Otter Tail Power Company	36%	32%	36%
Rochester Public Utilities <sup>1</sup>	0	0	0
Southern Minnesota Municipal Power Agency <sup>2</sup>	34%	35%	31%
Wisconsin Public Power, Inc.	33%	30%	35%
Xcel Energy	31%	32%	34%

For 2005 and 2006, the annual capacity factor of a utility's wind generating units was calculated as:

$$\frac{\text{Sum of annual generation of wind facilities (kWh)}}{\text{Sum of nameplate capacity of wind facilities (kW) * 8,760 hours}}$$

Wind facility capacity factors for 2007 were similarly calculated, but with a fewer number of hours to reflect the actual generation data. For example, for generation data through October, 31, 2007, 7,296 hours were used (8,760 – (24 \* 61)).

Notes:

<sup>1</sup>Rochester Public Utilities does not own wind generation. For those Rochester Public Utilities customers that participate in a green pricing program the wind generation is provided by Southern Minnesota Municipal Power Agency.

<sup>2</sup> The low capacity factor in 2007 is the result of a prolonged turbine outage due to equipment failure.

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Response By: Matt Lacey  
Title: Regulatory Policy Specialist  
Department: Transmission  
Company: Great River Energy  
Telephone: 763-241-2223  
Date: January 11, 2008

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