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Xcel Energy

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

Response To: Steve Rakow  
MN Department of Commerce

Information Request No. 39

Date Received: December 18, 2007

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Question:

Please provide the information requested in the attached tables for each utility system that was used in determining the need for the proposed transmission lines. Please provide your response in Excel format.

Response:

The forecast data relied upon in determining the need for the facilities is the forecasts for the systems of the utilities serving retail load in Minnesota and the surrounding region. A description of the data is contained in the Application. See Section 6.2 and Appendix A-1, Section 1. A list of those utilities follows:

Dairyland Power Cooperative  
Great River Energy  
Minnesota Power  
Otter Tail Power Company  
Rochester Public Utilities  
Minnkota Power Cooperative  
Central Minnesota Municipal Power Agency  
Wisconsin Public Power, Inc.  
Missouri River Energy Services  
Southern Minnesota Municipal Power Agency  
Xcel Energy  
Hutchinson Utilities Commission  
New Ulm Public Utilities Commission  
Willmar Municipal Utilities  
Minnesota Municipal Power Agency  
Interstate Power and Light Company

To respond to this request, Applicants obtained data from each of the CapX2020 sponsoring utilities. For the remaining utilities, Applicants collected data from the May 1, 2007 Mid-Continent Area Power Pool Load and Capability Report which includes generation data and purchase and sale data through 2016. For Interstate Power and Light, Applicants used public data from the report submitted by the company in compliance with Minnesota Rules Chapter 7610 (and public information regarding the Duane Arnold Energy Center).

Two Excel spreadsheets, purchases and owned resources, are attached. Please note that, with the exception of Minnesota Power, each utility wind resource is shown at nameplate regardless of whether is a purchased or owned resource.

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Response By: Matt Lacey  
Title: Regulatory Policy Specialist  
Department: Transmission  
Company: Great River Energy  
Telephone: 763-241-2223  
Date: February 4, 2008

**DOC0039 ATTACHMENT**

**MINNESOTA POWER OWNED RESOURCES**

Summer Season

All Minnesota Power Owned Generation is shown at URGE

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Minnesota Power Owned Coal</b>				%	MW
Boswell Energy Center	Unit #1	55721	Itasca and MN	0.58	69
Boswell Energy Center	Unit #2	55721	Itasca and MN	1.36	69
Boswell Energy Center	Unit #3	55721	Itasca and MN	2.9	351
Boswell Energy Center (diesel)	Unit #4	55721	Itasca and MN	2.15	429
Laskin Energy Center	Unit #1	55705	Saint Louis and MN	4.83	54
Laskin Energy Center	Unit #2	55705	Saint Louis and MN	10.47	55
Taconite Harbor	Unit #1	55705	Cook and MN	0.09	65
Taconite Harbor	Unit #2	55705	Cook and MN	1.34	68
Taconite Harbor	Unit #3	55705	Cook and MN	1.1	67
				<b>Subtotal</b>	<b>1,226</b>
<b>Minnesota Power Owned Oil</b>					
				<b>Subtotal</b>	<b>0</b>
<b>Minnesota Power Owned Gas</b>					
				<b>Subtotal</b>	<b>0</b>
<b>Minnesota Power Owned Wood/RDF/Biomass</b>				%	MW
M.L. Hibbard	Unit #3	55807	Saint Louis and MN	0.01	32
M.L. Hibbard	Unit #4	55807	Saint Louis and MN	0.04	18
Rapids Energy Center	Unit #6	55744	Itasca and MN	1.15	14
Rapids Energy Center	Unit #7	55744	Itasca and MN	0.67	14
SAPPI Cloquet Turbine Genr	Unit #5	55720	Carlton and MN	3.8	22
				<b>Subtotal</b>	<b>100.9</b>
<b>Minnesota Power Owned Hydro</b>				%	MW
Rapids Energy Center	Unit #4&#5	55744	Itasca and MN		1.2
Thomson Hydroelectric Station	Unit #1	55718	Carlton and MN	23.1	11.9
Thomson Hydroelectric Station	Unit #2	55718	Carlton and MN	7.8	10.9
Thomson Hydroelectric Station	Unit #3	55718	Carlton and MN	0.6	11.7
Thomson Hydroelectric Station	Unit #4	55718	Carlton and MN		11.9
Thomson Hydroelectric Station	Unit #5	55718	Carlton and MN	4.1	10.9
Thomson Hydroelectric Station	Unit #6	55718	Carlton and MN	1.9	14
Blanchard Hydroelectric Station	Unit #1	56345	Morrison and MN	6.8	5.5
Blanchard Hydroelectric Station	Unit #2	56345	Morrison and MN	6.7	5.5
Blanchard Hydroelectric Station	Unit #3	56345	Morrison and MN	19.4	5.5
Pillager Hydroelectric Station	Unit #1	56473	Cass and MN	2	0.85
Pillager Hydroelectric Station	Unit #2	56473	Cass and MN		0.85
Little Falls Hydroelectric Station	Unit #1	56345	Morrison and MN	0.2	0.9
Little Falls Hydroelectric Station	Unit #2	56345	Morrison and MN	0.1	0.9
Little Falls Hydroelectric Station	Unit #3	56345	Morrison and MN	0.1	0.9
Little Falls Hydroelectric Station	Unit #4	56345	Morrison and MN	0.1	1.5
Little Falls Hydroelectric Station	Unit #5	56345	Morrison and MN	100	0

Little Falls Hydroelectric Station	Unit #6	56345	Morrison and MN	0.01	0.2
Scanlon Hydroelectric Station	Unit #1	55720	Carlton and MN	0.1	0.35
Scanlon Hydroelectric Station	Unit #2	55720	Carlton and MN		0.35
Scanlon Hydroelectric Station	Unit #3	55720	Carlton and MN	5.8	0.35
Scanlon Hydroelectric Station	Unit #4	55720	Carlton and MN		0.35
Sylvan Hydroelectric Station	Unit #1	56473	Cass and MN		0.6
Sylvan Hydroelectric Station	Unit #2	56473	Cass and MN	0.3	0.6
Sylvan Hydroelectric Station	Unit #3	56473	Cass and MN		0.6
Winton Hydroelectric Station	Unit #2	55796	Lake and MN	26.8	2.1
Winton Hydroelectric Station	Unit #3	55796	Lake and MN	0.1	2.2
Knife Falls Hydroelectric Station	Unit #1	55720	Carlton and MN	1.3	0.64
Knife Falls Hydroelectric Station	Unit #2	55720	Carlton and MN	0.1	0.63
Knife Falls Hydroelectric Station	Unit #3	55720	Carlton and MN	0.4	0.63
Fond du Lac Hydroelectric Station	Unit #1	55808	Saint Louis and MN		11
Prairie River Hydroelectric Station	Unit #1	55734	Itasca and MN		0
Prairie River Hydroelectric Station	Unit #2	55734	Itasca and MN		0.3
				<b>Subtotal</b>	<b>115.8</b>
Unit Name Zip Code County and State Forced Outage Rate URGE Rating					
<b>Minnesota Power Owned Wind *</b>					
				<b>Subtotal</b>	<b>0</b>
				<b>TOTAL EXISTING GENERATION</b>	<b>1443</b>
<b>GENERATION ADDITIONS AND RETIREMENTS</b>					
<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
Laskin Energy Center	Unit #3	55705	Saint Louis and MN	2010	25
Taconite Ridge Wind (Minntac)		55768	Saint Louis and MN	2009	3.75
Fond du Lac Hydroelectric Station	Unit #2	55808	Saint Louis and MN	2010	9.2
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC 0039 ATTACHMENT**

**SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY OWNED RESOURCES**

Summer Season

All SMMPA Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>SMMPA Owned Coal</b>	Sherco 3	55308	Sherburne	5%	362.4
	Austin NE	55912	Mower	N/A	29.5
	<b>Subtotal</b>				<b>391.9</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>SMMPA Owned Oil</b>	Blooming Prairie 2	55917	Steele	N/A	1.4
	Blooming Prairie 5	55917	Steele	N/A	2
	Grand Marais 1	55604	Cook	N/A	2.4
	Grand Marais 2	55604	Cook	N/A	1.9
	Grand Marais 3	55604	Cook	N/A	1.9
	New Prague 1	56071	Le Sueur	N/A	1
	North Branch 3	55056	Chisago	N/A	2
	North Branch 4	55056	Chisago	N/A	2
	Princeton 3	55371	Mille Lacs	N/A	2.7
	Princeton 4	55371	Mille Lacs	N/A	1.4
	Princeton 5	55371	Mille Lacs	N/A	1.1
	Princeton 6	55371	Mille Lacs	N/A	2.9
	Princeton 7	55371	Mille Lacs	N/A	4.9
	Redwood Falls 1	56283	Redwood	N/A	2.2
	Redwood Falls 3	56283	Redwood	N/A	2
	Redwood Falls 4	56283	Redwood	N/A	2
	Redwood Falls 5	56283	Redwood	N/A	2
	St Peter 1	56082	Nicollet	N/A	2
	St Peter 2	56082	Nicollet	N/A	2
	St Peter 3	56082	Nicollet	N/A	2
St Peter 4	56082	Nicollet	N/A	2	
St Peter 5	56082	Nicollet	N/A	2	
St Peter 6	56082	Nicollet	N/A	2	
<b>Subtotal</b>				<b>47.8</b>	
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>SMMPA Owned Gas</b>	Fairmont 3	56031	Martin	N/A	5.1
	Fairmont 4	56031	Martin	N/A	3.2
	Fairmont 5	56031	Martin	N/A	7.8
	Fairmont 6	56031	Martin	N/A	6.5
	Fairmont 6	56031	Martin	N/A	6.3
	Litchfield 5	55355	Meeker	N/A	2.1
	Litchfield 6	55355	Meeker	N/A	2.1
	Mora 2	55051	Kanebec	N/A	1.3
	Mora 5	55051	Kanebec	N/A	5.2
	Mora 6	55051	Kanebec	N/A	6.6
	New Prague 2	56071	Le Sueur	N/A	4.6
	New Prague 3	56071	Le Sueur	N/A	2.4
	New Prague 4	56071	Le Sueur	N/A	3.5
	New Prague 6	56071	Le Sueur	N/A	6.1
	North Branch 1	55056	Chisago	N/A	0.9
	North Branch 2	55056	Chisago	N/A	1.2
	Owatonna 6 DT	55060	Steele	N/A	22.5
	Owatonna 7 West	55060	Steele	N/A	17.7
	Preston 4	55965	Fillmore	N/A	0.8

Preston 5	55965	Fillmore	N/A	1.1
Preston 6	55965	Fillmore	N/A	2.2
Redwood Falls 2	56283	Redwood	N/A	6.3
Spring Valley 2	55975	Fillmore	N/A	1.1
Spring Valley 3	55975	Fillmore	N/A	2.2
Wells 1	56097	Fairbault	N/A	1.3
Wells 2	56097	Fairbault	N/A	1.4
Wells 3	56097	Fairbault	N/A	1.1
Wells 4	56097	Fairbault	N/A	2.2
Wells 5	56097	Fairbault	N/A	2.3
<b>Subtotal</b>				<b>127.1</b>

Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>SMMPA Owned Wood/RDF/Biomass</b>				
OWEF	55901	Olmsted, MN	N/A	2
<b>Subtotal</b>				<b>2</b>

Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>SMMPA Owned Hydro</b>				
<b>Subtotal</b>				

Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>SMMPA Owned Wind</b>				
Fairmont Wind 1	56031	Martin	N/A	1
Fairmont Wind 1	56031	Martin	N/A	1
Fairmont Wind 3	56031	Martin	N/A	1.65
Fairmont Wind 4	56031	Martin	N/A	1.65
Redwood Falls 1	56283	Redwood	N/A	1.65
Redwood Falls 2	56283	Redwood	N/A	1.65
<b>Subtotal</b>				<b>8.6</b>
<b>TOTAL EXISTING GENERATION</b>				<b>568.8</b>

**SMMPA GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
	Wind-1	TBD	TBD	TBD	2010
Wind-2	TBD	TBD	TBD	2012	60
Wind-3	TBD	TBD	TBD	2016	75
Wind-4	TBD	TBD	TBD	2020	55
Wind-5	TBD	TBD	TBD	2025	90
Bio-1	55051	Kanabec		2009	2
Bio-2	55901	Olmsted, MN		2010	5
Bio-3	56031	Martin, MN		2010	22
Blooming Prairie	55917	Steele, MN		2008	2
Litchfield	55355	Meeker, MN		2009	10
Spring Valley	55975	Fillmore, MN		2009	4
Conventional-1	TBD	TBD		2012	45
Conventional-2	TBD	TBD		2017	45
Conventional-3	TBD	TBD		2021	45
Conventional-4	TBD	TBD		2025	45
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC0039 Attachment**

**GREAT RIVER ENERGY OWNED RESOURCES**

Summer Season

All Great River Energy Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Great River Energy Owned Coal</b>	Coal Creek Unit #1	58576	McLean, ND	1.85%	548.4
	Coal Creek Unit #2	58576	McLean, ND	1.85%	573.0
	Stanton	58571	Mercer, ND	0.04%	188.3
				<b>Subtotal</b>	<b>1309.7</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Great River Energy Owned Oil</b>	Coal Creek Diesel	58576	McLean, ND	5.52%	2.1
	Stanton Diesel	58571	Mercer, ND	5.52%	1.0
	Lakefield Diesel	56171	Martin, MN	5.52%	2.0
	Cambridge #1	55008	Isanti, MN	0.65%	21.1
	St. Bonifacius	55315	Carver, MN	0.55%	56.2
	Maple Lake	55358	Wright, MN	0.32%	19.4
	Rock Lake	55063	Pine, MN	0.32%	19.8
				<b>Subtotal</b>	<b>121.6</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Great River Energy Owned Gas</b>	Pleasant Valley #11	55926	Mower, MN	0.65%	149.9
	Pleasant Valley #12	55926	Mower, MN	0.65%	146.6
	Pleasant Valley #13	55926	Mower, MN	0.67%	118.4
	Lakefield #1	56171	Martin, MN	0.15%	82.4
	Lakefield #2	56171	Martin, MN	0.15%	82.4
	Lakefield #3	56171	Martin, MN	0.15%	83.0
	Lakefield #4	56171	Martin, MN	0.15%	81.0
	Lakefield #5	56171	Martin, MN	0.15%	83.1
	Lakefield #6	56171	Martin, MN	0.15%	83.2
	Cambridge #2	55008	Isanti, MN	0.65%	154.3
				<b>Subtotal</b>	<b>1064.3</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Great River Energy Owned Wood/RDF/Biomass</b>					
	Elk River #1	55330	Sherburne, MN	5.52%	10.1
	Elk River #2	55330	Sherburne, MN	5.52%	10.5
	Elk River #3	55330	Sherburne, MN	8.17%	16.2
				<b>Subtotal</b>	<b>36.8</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Great River Energy Owned Hydro</b>					
				<b>Subtotal</b>	<b>0.0</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>Great River Energy Owned Wind</b>					
				<b>Subtotal</b>	<b>0.0</b>
<b>TOTAL EXISTING GENERATION</b>					<b>2532.4</b>
<b>GRE GENERATION ADDITIONS AND RETIREMENTS</b>					
<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
	Elm Creek Wind	56171	Martin, MN	2008	99.0
	Elk River Peaker	55330	Sherburne, MN	2009	170.0
				<b>Subtotal</b>	<b>269.0</b>
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction
					<b>0.0</b>

**DOC 0039 ATTACHMENT**

**CENTRAL MINNESOTA MUNICIPAL POWER AGENCY OWNED RESOURCES**

Summer Season

All CMMPA Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>CMMPA Owned Coal</b>					
				<b>Subtotal</b>	<b>0</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>CMMPA Owned Oil</b>					
Blue Earth	IC1		Faribault MN		1.6
	IC 3		Faribault MN		1.6
	IC 4		Faribault MN		1.6
	IC 5		Faribault MN		1.6
	IC 6		Faribault MN		1.83
Delano	1 DFO		Wright MN		0.83
	4 DFO		Wright MN		1.13
	5 DFO		Wright MN		1.31
	6 DFO		Wright MN		1.11
	7 DFO		Wright MN		3.03
Fairfax	2A		Renville MN		1.8
Glencoe	10 DFO		McLeod MN		6.5
	11 DFO		McLeod MN		4.8
	12 DFO		McLeod MN		4.8
	14 DFO		McLeod MN		4.8
Granite Falls 2	1 DFO		Yellow Medicine MN		2
	2 DFO		Yellow Medicine MN		2
	3 DFO		Yellow Medicine MN		2.1
Janesville	4 DFO		Waseca MN		1.83
Kenyon Municipal	2 DFO		Goodhue MN		1.77
	3 DFO		Goodhue MN		1.79
	4 DFO		Goodhue MN		1.77
Mountain Lake	1 DFO		Cottonwood MN		1.83
	2 DFO		Cottonwood MN		1.08
	3 DFO		Cottonwood MN		1.8
	4 DFO		Cottonwood MN		1.98
	5 DFO		Cottonwood MN		1.35
Sleepy Eye	1 DFO		Brown MN		1.97
	2 DFO		Brown MN		1.8
	4 DFO		Brown MN		1.85
	5 DFO		Brown MN		1.75
Springfield	1 DFO		Brown MN		1.83
	2 DFO		Brown MN		1.85
	3 DFO		Brown MN		1.83
	4 DFO		Brown MN		1.85
	5 DFO		Brown MN		1.83
Windom	CAT2		Cottonwood MN		1.7
	CAT3		Cottonwood MN		1.7
	CAT4		Cottonwood MN		1.7
	GT1		Cottonwood MN		2.5



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<b>Subtotal</b>	<b>83.8</b>
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	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>CMPMA Owned Gas</b>					
Delano	2 NG		Wright MN		2.96
	3 NG		Wright MN		1.12
	9 NG		Wright MN		12.83
Glencoe	7 NG		McLeod MN		3.3
	8 NG		McLeod MN		5.4
	9 NG		McLeod MN		6.5
Janesville	1 NG		Waseca MN		1.37
	2 NG		Waseca MN		1.13
	3 NG		Waseca MN		0.68
				<b>Subtotal</b>	<b>35.3</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>CMPMA Owned Wood/RDF/Biomass</b>					
				<b>Subtotal</b>	<b>0</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>CMPMA Owned Hydro</b>					
Granite Falls	1 WAT		Chippewa MN		0.3
	2 WAT		Chippewa MN		0.25
	HC3		Chippewa MN		0.867
				<b>Subtotal</b>	<b>1.4</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>CMPMA Owned Wind</b>					
from 0034	Mt. Lake Wind		Watonwan, MN		1.25
				<b>Subtotal</b>	<b>1.25</b>
<b>TOTAL EXISTING GENERATION</b>					<b>121.8</b>
<b>GENERATION ADDITIONS AND RETIREMENTS</b>					
<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC 0039 ATTACHMENT**

**MISSOURI RIVER ENERGY SERVICES OWNED RESOURCES**

Summer Season

All MRES Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MRES Owned Coal</b>	Laramie River Station	82001	Platte, WY	0.1	284
				<b>Subtotal</b>	<b>284</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MRES Owned Oil</b>	Alexandria IC1	56308	Douglas, MN		0.8
	Alexandria IC2	56308	Douglas, MN		3.5
	Alexandria IC3	56308	Douglas, MN		3.5
	Benson 5	56215	Swift, MN		0.925
	Benson 6	56215	Swift, MN		1.275
	Benson 7	56215	Swift, MN		2
	Benson 8	56215	Swift, MN		2
	Benson 9	56215	Swift, MN		2
	Benson 10	56215	Swift, MN		2
	Benson 11	56215	Swift, MN		2
	Denison 1	51442	Crawford, IA		1.825
	Detroit Lakes 1	56502	Becker, MN		9.815
	Ft. Pierre 1	57532	Stanley, SD		2
	Ft. Pierre 2	57532	Stanley, SD		2
	Ft. Pierre 3	57532	Stanley, SD		2
	Hillsboro 1	58045	Traill, ND		2
	Hillsboro 2	58045	Traill, ND		2
	Kimballton 1	51543	Audubon, IA		0.4
	Lake Park G1	51347	Dickinson, IA		2
	Lake Park G2	51347	Dickinson, IA		2
	Lakefield Utilities 5	56150	Jackson, MN		1
	Lakefield Utilities 6	56150	Jackson, MN		2
	Luverne 4C	56156	Rock, MN		3.5
	Watertown Power Plant 1	57201	Codington, SD		51.878
	Moorhead 6	56561	Fargo-Moorhead MSA, MN		6.51
	Moorhead 8	56561	Fargo-Moorhead MSA, MN		Not provided
	Moorhead 9	56561	Fargo-Moorhead MSA, MN		Not provided
	Primghar 4	51245	O'Brien, IA		0.5
	Primghar 5	51245	O'Brien, IA		0.9
	St. James 1	56081	Watonwan, MN		1.672
	St. James 2	56081	Watonwan, MN		1.672
	St. James 3	56081	Watonwan, MN		1.672
	St. James 4	56081	Watonwan, MN		1.672
	St. James 5	56081	Watonwan, MN		1.672
	St. James 6	56081	Watonwan, MN		1.672
	Westbrook 1	56183	Cottonwood, MN		2
	Worthington 1	56187	Nobles, MN		2
	Worthington 2	56187	Nobles, MN		2
	Worthington 3	56187	Nobles, MN		2
	Worthington 4	56187	Nobles, MN		2
	Worthington 5	56187	Nobles, MN		2
	Worthington 6	56187	Nobles, MN		2
	Worthington 7	56187	Nobles, MN		2
	Adrian 1	56110	Nobles, MN		2
Marshall 6	56258	Lyon, MN		16.046	
Melrose 1	56352	Stearns, MN		0.8	
Melrose 2	56352	Stearns, MN		1.2	
Melrose 3	56352	Stearns, MN		3	
Melrose 4	56352	Stearns, MN		3	
				<b>Subtotal</b>	<b>164.4</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MRES Owned Gas</b>	Exira Station 1	50076	Audubon, IA	0.02	46.33
	Exira Station 2	50076	Audubon, IA	0.02	47.26
	Exira Station 3	50076	Audubon, IA	0.02	46.41
					<b>Subtotal</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MRES Owned Wood/RDF/Biomass</b>					
					<b>Subtotal</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MRES Owned Hydro</b>					
					<b>Subtotal</b>
	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Capacity
<b>MRES Owned Wind</b>	Worthington Wind 8	56187	Nobles, MN		0
	Worthington Wind 9	56187	Nobles, MN		0
	Worthington Wind 10	56187	Nobles, MN		0
	Worthington Wind 11	56187	Nobles, MN		0
	Worthington Wind 12	56187	Nobles, MN		0
	Worthington Wind 13	56187	Nobles, MN		0
	Worthington Wind (8-13) <sup>1</sup>				
Note <sup>1</sup> : These units are not accredited because they offset local load				<b>Subtotal</b>	<b>3.7</b>
<b>TOTAL EXISTING GENERATION</b>					<b>592.1</b>
<b>GENERATION ADDITIONS AND RETIREMENTS</b>					
<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction
	Kimballton 1	51543	Audubon, IA	2009	0.4
	Moorhead 6	56561	Fargo-Moorhead MSA, MN	2009	6.51
	Primghar 4	51245	O'Brien, IA	2009	0.5
	Primghar 5	51245	O'Brien, IA	2009	0.9
				<b>Subtotal</b>	<b>8.3</b>

**DOC 0039 ATTACHMENT**

**OTTER TAIL POWER COMPANY OWNED RESOURCES**

**Summer Season**

All Otter Tail Power Company Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Otter Tail Power Company Owned Coal</b>	Big Stone	57216	Big Stone, SD	2%	248
	Coyote	58523	Mercer, ND	3%	149
	Hoot Lake #2	56537	Otter Tail, MN	3%	60
	Hoot Lake #3	56537	Otter Tail, MN	3%	84
	<b>Subtotal</b>				
<b>Otter Tail Power Company Owned Oil</b>	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
	Jamestown #1	58401	Stutsman, ND	4%	24
	Jamestown #2	58401	Stutsman, ND	4%	24
	Lake Preston	57249	Kingsbury, SD	4%	22
	Big Stone Diesel	57216	Big Stone, SD	NA	0.542
	Hoot Lake 2-A	56537	Otter Tail, MN	NA	0.252
	Hoot Lake 3-A	56537	Otter Tail, MN	NA	0.182
	Fergus Control Center	56537	Otter Tail, MN	NA	2
	Solway IC	56678	Beltrami, MN	NA	1
<b>Subtotal</b>					<b>74.1</b>
<b>Otter Tail Power Company Owned Gas</b>	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
	Solway CT	56678	Beltrami, MN	4%	43
<b>Subtotal</b>					<b>43</b>
<b>Otter Tail Power Company Owned Wood/RDF/Biomass</b>	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Subtotal</b>					<b>0</b>
<b>Otter Tail Power Company Owned Hydro</b>	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
	Bemidji #1	56601	Beltrami, MN	0	0.18
	Bemidji #2	56601	Beltrami, MN	0	0.575
	Dayton Hollow #1	55327	Hennepin, MN	0	0.556
	Dayton Hollow #2	55327	Hennepin, MN	0	0.466
	Hoot Lake	56537	Otter Tail, MN	0	0.788
	Pisgah	56537	Otter Tail, MN	0	0.75
	Taplin Gorge	56537	Otter Tail, MN	0	0.565
	Wright	56537	Otter Tail, MN	0	0.488
<b>Subtotal</b>					<b>4.4</b>
<b>Otter Tail Power Company Owned Wind</b>	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
	OTP Langdon Wind		Cavalier, ND		40.5
	<b>Subtotal</b>				
<b>TOTAL EXISTING GENERATION</b>					<b>703.4</b>
<b>GENERATION ADDITIONS AND RETIREMENTS</b>					
<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction
	Hoot Lake #2	56537	Otter Tail, MN	April 30, 2018	<b>60</b>
	Hoot Lake #3	56537	Otter Tail, MN	April 30, 2018	<b>84</b>

**DOC 0039 ATTACHMENT**

**ROCHESTER PUBLIC UTILITIES OWNED RESOURCES**

Summer Season

All RPU Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating <sup>1</sup>
<b>RPU Owned Coal</b>	Silver Lake #1	55906	Olmsted, MN	1.51%	9.385
	Silver Lake #2	55906	Olmsted, MN	0.33%	14.235
	Silver Lake #3	55906	Olmsted, MN	8.61%	24.4
	Silver Lake #4	55906	Olmsted, MN	7.76%	60.132
	<b>Subtotal</b>				

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>RPU Owned Oil</b>	IBM Genset #1	55901	Olmsted, MN	Not Available	Not Accredited
	IBM Genset #2	55901	Olmsted, MN	Not Available	Not Accredited
	<b>Subtotal</b>				

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>RPU Owned Gas</b>	Cascade Creek #1	55901	Olmsted, MN	15.23%	30.144
	Cascade Creek #2	55901	Olmsted, MN	5.97%	48.952
	<b>Subtotal</b>				

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>RPU Owned Wood/RDF/Biomass</b>					
	<b>Subtotal</b>				

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>RPU Owned Hydro</b>	Lake Zumbro Hydro	55956	Wabasha, MN	0.00%	2.035
	<b>Subtotal</b>				

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>RPU Owned Wind</b>					
	<b>Subtotal</b>				
<b>TOTAL EXISTING GENERATION</b>					<b>189.3</b>

**RPU GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions<sup>2</sup></b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
	West Side CT #1		Olmsted, MN	2016	100 MW
	West Side CT #2		Olmsted, MN	2025	50 MW
	Base Load Partnership	Not Determined	Not Determined	2020	50 MW

<b>Retirements<sup>2</sup></b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction <sup>3</sup>
	Silver Lake #1	55906	Olmsted, MN	2015	9,385 kW
	Silver Lake #2	55906	Olmsted, MN	2015	14,235 kW
	Silver Lake #3	55906	Olmsted, MN	2015	24,400 kW
	Cascade Creek #1	55901	Olmsted, MN	2015	30,144 kW

<sup>1</sup> Urge Rating and Forced Outage Factor numbers are based on a 5 year average from 2002-2006

<sup>2</sup> Generation Additions and Retirements are taken from RPU's Report on the Electric Utility Baseline Strategy for 2005-2030 Electric Infrastructure posted on the RPU w

<sup>3</sup> Capacity Reduction for retired generation is based on the 5 year Urge Rating from 2002-2006

**DOC 0039 ATTACHMENT**

**DAIRYLAND POWER COOPERATIVE POWER OWNED RESOURCES**

Summer Season

All Dairyland Power Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Dairyland Owned Coal</b>	Genoa 3 Station	54632	Vernon, Wisconsin	1.19	356.1
	JP Madget Station	54610	Buffalo, Wisconsin	0.56	397.4
	Alma 1-3	54610	Buffalo, Wisconsin	0.03	53.7
	Alma 4	54610	Buffalo, Wisconsin	1.28	52.9
	Alma 5	54610	Buffalo, Wisconsin	0.04	76.7
				<b>Subtotal</b>	<b>936.8</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Dairyland Owned Oil</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Dairyland Owned Gas</b>	Elk Mound Unit 1	54703	Chippewa, Wisconsin	56.82	36.1
	Elk Mound Unit 2	54703	Chippewa, Wisconsin	2.84	36.0
				<b>Subtotal</b>	<b>72.1</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Dairyland Owned Hydro</b>	Flambeau 1 - 3	54848	Rusk, Wisconsin	0	23.8
				<b>Subtotal</b>	<b>23.8</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Accredited Capacity
<b>Dairyland Owned Methane</b>	Seven Mile Creek	54701	Dunn, Wisconsin		2.75
	Norswiss Farms Manure Digester	54868	Barron, Wisconsin		0.6
	Wild Rose Manure Digester	54639	Vernon, Wisconsin		0.5
	Five Star Dairy Manure Digester	54739	Dunn, Wisconsin		0.7
	Bach Farms Manure Digester		Clark, WI		0.8
	Daley Farms Manure Digester		Goodhue, WI		0.8
					<b>Subtotal</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>Dairyland Owned Wind</b>					
				<b>Subtotal</b>	<b>0</b>

**TOTAL EXISTING GENERATION 1038.9**

**GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
	Weston 4	54474	Marathon, Wisconsin	2008	150
	Seven Mile Creek Landfill Expansion	54701	Dunn, Wisconsin	2009	1.0

<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC 0039 ATTACHMENT**

**XCEL ENERGY OWNED RESOURCES**

Summer Season

All Xcel Energy Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating		
<b>Xcel Energy Owned Coal</b>							
	A. S. King Plant**	G1	55003	Washington, MN	25.56	527.76	
	Black Dog**	G3	55337	Dakota, MN	13.09	107.03	
	Black Dog**	G4	55337	Dakota, MN	1.68	175.00	
	Riverside	G7	55401	Hennepin, MN	6.21	144.25	
	Riverside	G8	55401	Hennepin, MN	9.69	237.00	
	Sherco	G1	55308	Sherburne, MN	5.08	697.00	
	Sherco	G2	55308	Sherburne, MN	1.79	682.00	
	Sherco	G3	55308	Sherburne, MN	2.14	503.86	NSP portion. Total capacity 859.6
				<b>Subtotal</b>		<b>3073.9</b>	
<b>Xcel Energy Owned Oil</b>							
	French Island	G3	54601	La Crosse, WI	11.98	73.53	
	French Island	G4	54601	La Crosse, WI	89.28	73.17	
	Wheaton	G5	54701	Chippewa/WI	24.7	59.65	
	Wheaton	G6	54701	Chippewa/WI	50.73	60.27	
	Blue Lake	G1	54559	Scott, MN	9.09	41.47	
	Blue Lake	G2	54559	Scott, MN	3.38	41.40	
	Blue Lake	G3	54559	Scott, MN	61.5	39.40	
	Blue Lake	G4	54559	Scott, MN	65.64	52.00	
	Alliant Tech Systems (Diesel)	G1	55343	Hennepin, MN	0	1.67	
	United Health Care (Diesel)	G1	55427	Hennepin, MN	90.99	1.83	
	United Health Care (Diesel)	G2	55427	Hennepin, MN	0	1.83	
	United Hospital (Diesel)	G1	55102	Ramsey, MN	0	1.60	
	United Hospital (Diesel)	G2	55102	Ramsey, MN	0	1.60	
	United Hospital (Diesel)	G3	55102	Ramsey, MN	0	1.60	
	Inver Hills Emergency Gen. (Diesel)	G7	55075	Dakota, MN	0	1.80	
	Inver Hills Emergency Gen. (Diesel)	G8	55075	Dakota, MN	0	1.80	
				<b>Subtotal</b>		<b>454.6</b>	
<b>Xcel Energy Owned Gas</b>							
	Pathfinder	G1	57110	Minnehaha, SD	0	0.00	Retired
	West Faribault	G1	55021	Faribault, Mn	0	0.00	Retired
	West Faribault	G2	55021	Faribault, Mn	0	0.00	Retired
	Black Dog**	G5	55337	Dakota, MN	30.32	195.00	
	Black Dog**	G2	55337	Dakota, MN	30.32	102.80	Converted from Coal to HRSG
	Key City (Gas/Oil)	G1	56001	Blue Earth, MN	87.59	15.00	
	Key City (Gas/Oil)	G2	56001	Blue Earth, MN	0	0.00	Mothballed for 2007
	Key City (Gas/Oil)	G3	56001	Blue Earth, MN	0	15.00	
	Key City (Gas/Oil)	G4	56001	Blue Earth, MN	14.1	16.00	
	Inver Hills (Gas/Oil)	G1	55075	Dakota, MN	53.82	58.52	
	Inver Hills (Gas/Oil)	G2	55075	Dakota, MN	22.65	56.00	
	Inver Hills (Gas/Oil)	G3	55075	Dakota, MN	2.75	58.00	
	Inver Hills (Gas/Oil)	G4	55075	Dakota, MN	39.64	58.00	
	Inver Hills (Gas/Oil)	G5	55075	Dakota, MN	28.87	58.53	
	Inver Hills (Gas/Oil)	G6	55075	Dakota, MN	7.55	61.00	
	Blue Lake (Oil/Gas)	G7	54559	Scott, MN	15.42	158.83	
	Blue Lake (Oil/Gas)	G8	54559	Scott, MN	10.58	156.97	
	Angus Anson (Gas/Oil)*	G2	57101	Minnehaha, SD	9.02	111.00	
	Angus Anson (Gas/Oil)*	G3	57101	Minnehaha, SD	13.97	114.50	
	Angus Anson (Gas/Oil)*	G4	57101	Minnehaha, SD	7.53	158.43	
	Granite City (Gas/Oil)	G1	56301	Stearns, MN	0	14.00	
	Granite City (Gas/Oil)	G2	56301	Stearns, MN	36.1	15.00	
	Granite City (Gas/Oil)	G3	56301	Stearns, MN	0	15.00	
	Granite City (Gas/Oil)	G4	56301	Stearns, MN	68.69	15.00	
	Wheaton (Gas/Oil)	G1	54701	Chippewa/WI	10.6	56.39	
	Wheaton (Gas/Oil)	G2	54701	Chippewa/WI	65.39	64.99	
	Wheaton (Gas/Oil)	G3	54701	Chippewa/WI	28.13	56.13	
	Wheaton (Gas/Oil)	G4	54701	Chippewa/WI	5.55	55.81	
	Flambeau	G1	54552	Price/WI	0	13.00	
	Bayfront	G6	54806	Ashland, WI		29.20	
	Bayfront	G5	54807	Ashland, WI		4.46	80%wood 20%gas
	Bayfront	G4	54808	Ashland, WI		4.52	80%wood 20%gas
				<b>Subtotal</b>		<b>1737.1</b>	



	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating	
<b>Xcel Energy Owned Wood/RDF/Biomass</b>						
Red Wing (Gas/RDF)	G1	55066	Goodhue, MN	12.46	10.00	
Red Wing (Gas/RDF)	G2	55066	Goodhue, MN	25.67	10.00	
Wilmarth (Gas/RDF)	G1	56001	Blue Earth, Mn	4.39	9.00	
Wilmarth (Gas/RDF)	G2	56001	Blue Earth, Mn	4.22	9.49	
French Island (Wood/RDF)	G1	54601	La Crosse, WI	9.01	15.00	
French Island (Wood/RDF)	G2	54601	La Crosse, WI	10.28	14.00	
Bayfront	G4	54806	Ashland, WI		18.08	80%wood 20%gas
Bayfront	G5	54807	Ashland, WI		17.84	80%wood 20%gas
			<b>Subtotal</b>		<b>103.4</b>	
<b>Xcel Energy Owned Hydro</b>						
Hennepin Island	G1	55401	Hennepin, MN	0	2.40	
Hennepin Island	G2	55401	Hennepin, MN	0	2.34	
Hennepin Island	G3	55401	Hennepin, MN	0	2.30	
Hennepin Island	G4	55401	Hennepin, MN	0	2.30	
Hennepin Island	G5	55401	Hennepin, MN	0	2.70	
Apple River Falls	G1	54025	St. Croix, WI	0.13	0.97	
Apple River Falls	G2	54025	St. Croix, WI	0	0.00	Mothballed for 2007
Apple River Falls	G3	54025	St. Croix, WI	46.41	1.11	
Apple River Falls	G4	54025	St. Croix, WI	20.78	1.11	
Big Falls	G1	54563	Rusk, WI	0	2.50	
Big Falls	G2	54563	Rusk, WI	0	2.40	
Big Falls	G3	54563	Rusk, WI	0	2.49	
Cedar Falls	G1	54751	Dunn, WI	0	2.64	
Cedar Falls	G2	54751	Dunn, WI	0	2.28	
Cedar Falls	G3	54751	Dunn, WI	0	2.33	
Chippewa Falls	G1	54729	Chippewa Falls, WI	0	3.79	
Chippewa Falls	G2	54729	Chippewa Falls, WI	0	4.01	
Chippewa Falls	G3	54729	Chippewa Falls, WI	0	3.89	
Chippewa Falls	G4	54729	Chippewa Falls, WI	38.81	3.89	
Chippewa Falls	G5	54729	Chippewa Falls, WI	2.17	3.88	
Chippewa Falls	G6	54729	Chippewa Falls, WI	100	4.01	
Cornell Hydro	G1	54732	Chippewa, WI	32.89	10.33	
Cornell Hydro	G2	54732	Chippewa, WI	54.72	10.69	
Cornell Hydro	G3	54732	Chippewa, WI	0	11.43	
Cornell Hydro	G4	54732	Chippewa, WI	13.2	0.73	
Dells	G1	54703	Eau Claire, WI	0	2.49	
Dells	G2	54703	Eau Claire, WI	0	1.34	
Dells	G3	54703	Eau Claire, WI	0	1.34	
Dells	G4	54703	Eau Claire, WI	0	1.34	
Dells	G5	54703	Eau Claire, WI	0	1.34	
Dells	G6	54703	Eau Claire, WI	0	0.74	
Dells	G7	54703	Eau Claire, WI	79.38	0.74	
Hayward	G1	54843	Sawyer, WI	1.64	0.20	
Holcombe	G1	54745	Chippewa, WI	0	11.76	
Holcombe	G2	54745	Chippewa, WI	23.92	11.75	
Holcombe	G3	54745	Chippewa, WI	0	11.76	
Jim Falls	G1	54748	Chippewa, WI	0.41	27.96	
Jim Falls	G2	54748	Chippewa, WI	59.68	28.26	
Jim Falls	G3	54748	Chippewa, WI	35.47	0.50	
Lady Smith	G1	54848	Rusk, WI	53.58	0.89	
Lady Smith	G2	54848	Rusk, WI	42.84	0.86	
Lady Smith	G3	54848	Rusk, WI	2.55	1.11	
Menomonee	G1	54751	Dunn, WI	0	2.66	
Menomonee	G2	54751	Dunn, WI	0	2.72	
Riverdale	G1	54025	St. Croix, WI	100	0.33	
Riverdale	G2	54025	St. Croix, WI	4.17	0.30	
Saxon Falls	G1	54559	Gogebic, MI	0.04	0.70	
Saxon Falls	G2	54559	Gogebic, MI	0.06	0.80	
St. Croix Falls	G1	54024	Polk, WI	0	3.29	
St. Croix Falls	G2	54024	Polk, WI	0	2.99	
St. Croix Falls	G3	54024	Polk, WI	68.06	2.99	
St. Croix Falls	G4	54024	Polk, WI	11.47	2.99	
St. Croix Falls	G5	54024	Polk, WI	19.98	3.39	
St. Croix Falls	G6	54024	Polk, WI	0.02	3.29	
St. Croix Falls	G7	54024	Polk, WI	1.5	3.39	
St. Croix Falls	G8	54024	Polk, WI	0	3.19	
Superior Falls	G1	54559	Jackson, MI	0.23	0.95	
Superior Falls	G2	54559	Jackson, MI	0.23	0.90	
Thornapple	G1	54848	Rusk, WI	38.24	0.81	
Thornapple	G2	54848	Rusk, WI	0	0.86	
Trego	G1	54888	Washburn, WI	0.83	0.88	

Trego	G2	54888	Washburn, WI	0	0.61
White River	G1	54806	Ashland, WI	0	0.42
White River	G2	54806	Ashland, WI	0.09	0.42
Wissota	G1	54729	Chippewa, WI	0	6.09
Wissota	G2	54729	Chippewa, WI	0	6.22
Wissota	G3	54729	Chippewa, WI	5.44	6.09
Wissota	G4	54729	Chippewa, WI	0	6.09
Wissota	G5	54729	Chippewa, WI	0	5.99
Wissota	G6	54729	Chippewa, WI	0	6.09
				<b>Subtotal</b>	<b>266.4</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>Xcel Energy Owned Wind</b>					
None					0.00
				<b>Subtotal</b>	<b>0.00</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Xcel Energy Nuclear</b>					
Monticello		55362	Wright, MN	7.75	572.00
Prairie Island		55066	Goodhue, MN	1.72	551.00
Prairie Island		55066	Goodhue, MN	0.83	545.00
				<b>Subtotal</b>	<b>1668.0</b>
				<b>TOTAL EXISTING GENERATION</b>	<b>7303.4</b>

**GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
Highbridge	7,8,9	55102	Ramsey, MN	2008	515
Wind	Grand Meadow		Mower, MN	2008	100
Riverside	9,10,11	55401	Hennepin, MN	2009	439
Monticello	G1 Upgrade	55362	Wright, MN	2009	15
Sherco	G1 Upgrade	55308	Sherburne, MN	2010	63
Sherco	G2 Upgrade	55308	Sherburne, MN	2011	52
Monticello	G1 Upgrade	55362	Wright, MN	2011	55
Sherco	G3 Upgrade	55308	Sherburne, MN	2012	12
Prairie Island	G1 Upgrade	55066	Goodhue, MN	2013	90
Prairie Island	G2 Upgrade	55066	Goodhue, MN	2015	90

<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction	
High Bridge	5&6	55102	Ramsey, MN	2007	271.1	
Riverside	7&8	55401	Hennepin, MN	2008	381.25	
Black Dog**	G1	55337	Dakota, MN	0	0.00	Retired
Black Dog**	G2	55337	Dakota, MN	0	0.00	Retired/converted
High Bridge	G5	55102	Ramsey, MN	36.5	99.00	Retired 8/2007
High Bridge	G6	55102	Ramsey, MN	10.26	172.10	Retired 8/2007
MN Valley (Gas/Coal)	G1	55418	Hennepin, MN	0	0.00	Retired

DOC 0039 ATTACHMENT					
WISCONSIN PUBLIC POWER, INC OWNED RESOURCES					
Summer Season					
All Wisconsin Public Power, Inc Owned Generation is shown at URGE, except for wind resources, shown at Nameplate					
EXISTING GENERATION RESOURCES					
Wisconsin Public Power, Inc Owned Coal					
Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating	
Boswell Unit 4 (a)	55721	Itasca, MN	5% (d)	107 MW	
(a) WPPI Share of Unit			<b>Subtotal</b>	<b>107</b>	
Wisconsin Public Power, Inc Owned Oil					
Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating	
			<b>Subtotal</b>	<b>0</b>	
Wisconsin Public Power, Inc Owned Gas					
Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating	
Island Street Peaking Plant	54130	Outagamie, WI	10% (d)	53 MW	
South Fond Du Lac Unit 1	54937	Fond du Lac, WI	10% (d)	80 MW	
South Fond Du Lac Unit 4	54937	Fond du Lac, WI	10% (d)	82 MW	
Note that WPPI owns SFL 1 and 4 though has a PPA that transfers these units to WPL for a system purchase under the CTA Agreements			<b>Subtotal</b>	<b>215</b>	
Wisconsin Public Power, Inc Owned Wood/RDF/Biomass					
Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating	
			<b>Subtotal</b>	<b>0</b>	
Wisconsin Public Power, Inc Owned Hydro					
Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating	
			<b>Subtotal</b>	<b>0</b>	
Wisconsin Public Power, Inc Owned Wind					
Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating	
Worthington Wind Turbines 2&3	56187	Nobles, MN	5%	1.8 MW (b)	
(b) Nameplate			<b>Subtotal</b>	<b>1.8</b>	
			<b>TOTAL EXISTING GENERATION</b>	<b>323.8</b>	
GENERATION ADDITIONS AND RETIREMENTS					
Additions	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
	Elm Road Generation Station Unit 1 (coal) (c)	53154	Milwaukee, WI	2009	51MW
	Elm Road Generation Station Unit 2 (coal) (c)	53154	Milwaukee, WI	2010	51 MW
Retirements	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction
(c) WPPI share of Unit					
(d) Estimated					

**DOC 0039 ATTACHMENT**

**INTERSTATE POWER AND LIGHT COMPANY OWNED RESOURCES**

Summer Season

All IPL Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>IPL Owned Coal</b>					
Louisa	1	52749	Louisa, IA	5.3	28
Neal	3	51052	Woodbury, IA	1.7	144.2
Neal	4	51052	Woodbury, IA	1.9	165.5
Ottumwa Generating Station	1	52501	Wapello, IA	6.9	322.7
Dubuque	3	52004	Dubuque, IA	2.4	30.1
Dubuque	4	52004	Dubuque, IA	5.4	35.3
M.L. Kapp Station	2	52732	Clinton, IA	8.9	211
Lansing	1	52151	Allamakee, IA		out of service
Lansing	2	52151	Allamakee, IA	0	11.1
Lansing	3	52151	Allamakee, IA	0.6	36.5
Lansing	4	52151	Allamakee, IA	1.1	261.1
Cedar Rapids 6th St. Station	1	52402	Linn, IA	0	0
Cedar Rapids 6th St. Station	2	52402	Linn, IA	74.5	3.3
Cedar Rapids 6th St. Station	4	52402	Linn, IA	0	7.2
Cedar Rapids 6th St. Station	6	52402	Linn, IA	0	0
Cedar Rapids 6th St. Station	7	52402	Linn, IA	0.5	19.3
Cedar Rapids 6th St. Station	8	52402	Linn, IA	5.1	24.9
Prairie Creek	1	52402	Linn, IA	1	0.1
Prairie Creek	2	52402	Linn, IA	0	19.1
Prairie Creek	3	52402	Linn, IA	3.7	41.5
Prairie Creek	4	52402	Linn, IA	15.9	124.1
Sutherland Generating Station	1	50158	Marshall, IA	4.7	30.5
Sutherland Generating Station	2	50158	Marshall, IA	5.2	31
Sutherland Generating Station	3	50158	Marshall, IA	3	82.4
Burlington Generating Station	1	52601	Des Moines, IA	4.7	209.3
				<b>Subtotal</b>	<b>901.4</b>
<b>IPL Owned Oil</b>					
Ames Diesel	1	50010	Story, IA	None provided	0
Ames Diesel	2	50010	Story, IA	None provided	0
Fox Lake Gas Turbine	1	56171	Martin, MN	None provided	0
Centerville Gas Turbine	1	52544	Appanoose, IA	None provided	21.8
Centerville Gas Turbine	2	52544	Appanoose, IA	None provided	26.1
Centerville Diesel	1	52544	Appanoose, IA	None provided	2.2
Dubuque	1	52004	Dubuque, IA	None provided	2.2
Dubuque	2	52004	Dubuque, IA	None provided	2.2
Hills	1	56138	Rock, MN	None provided	2
Hills	2	56138	Rock, MN	None provided	2
Lansing	1	52151	Allamakee, IA	None provided	1
Lansing	2	52151	Allamakee, IA	None provided	1
Lime Creek	1	50401	Cerro Gordo, IA	None provided	35.1
Lime Creek	2	50401	Cerro Gordo, IA	None provided	34.1
Marshalltown Gas Turbine	1	50158	Marshall, IA	None provided	53.4
Marshalltown Gas Turbine	2	50158	Marshall, IA	None provided	54.5
Marshalltown Gas Turbine	3	50158	Marshall, IA	None provided	55.6
Montgomery Gas Turbine	1	56069	LeSeuer, MN	None provided	19.8
				<b>Subtotal</b>	<b>313.0</b>
<b>IPL Owned Gas</b>					
M.L. Kapp Station	1	52732	Clinton, IA	99.2	8.8
Dubuque	2	52004	Dubuque, IA	10.1	13.1
Fox Lake	1	56171	Martin, MN	0	12.6
Fox Lake	2	56171	Martin, MN	100	0

Fox Lake	3	56171	Martin, MN	49.2	84.6	
Emery Generating Station	1	50428	Cerro Gordo, IA	3.6	160	
Emery Generating Station	2	50428	Cerro Gordo, IA	0.1	160	
Emery Generating Station	3	50428	Cerro Gordo, IA	0.5	237.3	
Red Cedar	1	52402	Linn, IA	None provided	16.2	
Grinnell Gas Turbine	1	50112	Poweshiek, IA	None provided	25	
Grinnell Gas Turbine	2	50112	Poweshiek, IA	None provided	22.4	
Burlington Gas Turbine	1	52601	Des Moines, IA	None provided	17	
Burlington Gas Turbine	2	52601	Des Moines, IA	None provided	15.5	
Burlington Gas Turbine	3	52601	Des Moines, IA	None provided	18.4	
Burlington Gas Turbine	4	52601	Des Moines, IA	None provided	18	
Agency Street Turbine	1	52601	Des Moines, IA	None provided	16.4	
Agency Street Turbine	2	52601	Des Moines, IA	None provided	15.8	
Agency Street Turbine	3	52601	Des Moines, IA	None provided	16.2	
Agency Street Turbine	4	52601	Des Moines, IA	None provided	16.3	
				<b>Subtotal</b>	<b>873.6</b>	
	Unit Name		Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>IPL Owned Nuclear</b>						
				<b>Subtotal</b>	<b>0</b>	
	Unit Name		Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>IPL Owned Wood/RDF/Biomass</b>						
				<b>Subtotal</b>	<b>0</b>	
	Unit Name		Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>IPL Owned Hydro</b>						
Anamosa Hydro	1	52205	Jones, IA	None Provided	820	
Iowa Falls Hydro	1	50126	Hardin, IA	None Provided	829	
Maquoketa Hydro	1, 2	52060	Jackson, IA	None Provided	2522	
				<b>Subtotal</b>	<b>4171</b>	
	Unit Name		Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>IPL Owned Wind</b>						
				<b>Subtotal</b>	<b>0</b>	
					<b>TOTAL EXISTING GENERATION</b>	<b>6259.0</b>
<b>GENERATION ADDITIONS AND RETIREMENTS</b>						
<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity	
Sutherland Generating Station (Coal)	4		Marshall, IA	2013	350 MW (of 630 MW)	
Buffalo Creek (Wind)			IA	2010	200 MW	
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction	

**DOC 0039 ATTACHMENT**

**MINNKOTA POWER COOPERATIVE OWNED RESOURCES**

Summer Season

All MinnKota Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
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<b>MinnKota Owned Coal</b>						
	Milton R Young	1	58530	Oliver,ND	2.6	250.000
	Milton R Young	2	58530	Oliver,ND	3.9	203.800
	Coyote	1	58523	Oliver,ND	3.6	128.100
				<b>Subtotal</b>		<b>581.90</b>

MPC Share  
MPC Share

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
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<b>MinnKota Owned Oil</b>						
	Harwood	1	58042	Cass,ND		Retired
	Harwood	2	58042	Cass,ND		1.550
	Harwood	3	58042	Cass,ND		1.550
	Grand Forks	1	58203	Grand Forks,ND		0.680
	Grand Forks	2	58203	Grand Forks,ND		0.680
	Grand Forks	3	58203	Grand Forks,ND		0.680
	Grand Forks	4	58203	Grand Forks,ND		0.970
	Grand Forks	5	58203	Grand Forks,ND		0.970
	Grand Forks	6	58203	Grand Forks,ND		0.970
	Grand Forks	7	58203	Grand Forks,ND		1.070
	Grand Forks	8	58203	Grand Forks,ND		1.070
	Grand Forks	9	58203	Grand Forks,ND		1.070
	Grand Forks	10	58203	Grand Forks,ND		1.070
	Grand Forks	11	58203	Grand Forks,ND		1.070
	Arthur	1	58006	Cass,ND		1.830
	Arthur	2	58006	Cass,ND		1.830
	Butler	1	58104	Cass,ND		0.900
	Reed	1	58102	Cass,ND		1.820
	Reed	2	58102	Cass,ND		1.830
	Reed	3	58102	Cass,ND		1.830
	Reed	4	58102	Cass,ND		1.820
	Reed	5	58102	Cass,ND		1.830
	Reed	6	58102	Cass,ND		1.830
	Shanley	1	58104	Cass,ND		2.000
	Oxbow	1	58047	Cass,ND		1.830
	Oxbow	2	58047	Cass,ND		1.830
				<b>Subtotal</b>		<b>34.58</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
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<b>MinnKota Owned Gas</b>					
				<b>Subtotal</b>	<b>0.000</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
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<b>MinnKota Owned Wood/RDF/Biomass</b>					
				<b>Subtotal</b>	<b>0.000</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
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<b>MinnKota Owned Hydro</b>					
				<b>Subtotal</b>	<b>0.000</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
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<b>MinnKota Owned Wind</b>					
	Valley City - Wind	1	58072	Barnes,ND	0.900
	Petersburg - Wind	1	58272	Nelson,ND	0.900
				<b>Subtotal</b>	<b>1.80</b>
				<b>TOTAL EXISTING GENERATION</b>	<b>618.3</b>

**GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity

<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC 0039 ATTACHMENT**

**HUTCHINSON UTILITIES COMMISSION OWNED RESOURCES**

Summer Season

All Hutchinson Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Hutchinson Owned Coal</b>					
<b>Subtotal</b>					<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Hutchinson Owned Oil</b>					
	5 DFO		McLeod MN		1.7
	6 DFO		McLeod MN		1.7
<b>Subtotal</b>					<b>3.4</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Hutchinson Owned Gas</b>					
	1 NG		McLeod MN		41
	2 NG		McLeod MN		2
	2 NG		McLeod MN		10
	3 NG		McLeod MN		3.9
	4 NG		McLeod MN		3.9
	7 NG		McLeod MN		4.5
	8 NG		McLeod MN		11
	9 NG		McLeod MN		22
<b>Subtotal</b>					<b>98.3</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Hutchinson Owned Wood/RDF/Biomass</b>					
<b>Subtotal</b>					<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Hutchinson Owned Hydro</b>					
<b>Subtotal</b>					<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>Hutchinson Owned Wind</b>					
<b>Subtotal</b>					<b>0</b>

<b>TOTAL EXISTING GENERATION</b>	<b>101.7</b>
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**GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC 0039 ATTACHMENT**

**WILLMAR MUNICIPAL UTILITIES OWNED RESOURCES**

Summer Season

All Willmar Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

		Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Willmar Owned Coal</b>	Willmar					
		ST3		Kandiyohi MN		15.9
					<b>Subtotal</b>	<b>15.9</b>

		Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Willmar Owned Oil</b>	Willmar					
		E04		Kandiyohi MN		2
		E05		Kandiyohi MN		2
		E06		Kandiyohi MN		2
		SW1		Kandiyohi MN		2
		SW2		Kandiyohi MN		2
		SW3		Kandiyohi MN		2
					<b>Subtotal</b>	<b>12</b>

		Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Willmar Owned Gas</b>						
		ST2				6.5
					<b>Subtotal</b>	<b>6.5</b>

		Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Willmar Owned Wood/RDF/Biomass</b>						
					<b>Subtotal</b>	<b>0</b>

		Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>Willmar Owned Hydro</b>						
					<b>Subtotal</b>	<b>0</b>

		Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>Willmar Owned Wind</b>						
					<b>Subtotal</b>	<b>0</b>
					<b>TOTAL EXISTING GENERATION</b>	<b>34.4</b>

**WILLMAR GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction



**DOC 0039 ATTACHMENT**

**MINNESOTA MUNICIPAL POWER AGENCY OWNED RESOURCES**

Summer Season

All MMPA Owned Generation is shown at URGE, except for wind resources, shown at Nameplate

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MMPA Owned Coal</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MMPA Owned Oil</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MMPA Owned Gas</b>					
	Minnesota River		Carver / MN		43
	Faribault Energy		Rice / MN		160
				<b>Subtotal</b>	<b>203</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MMPA Owned Wood/RDF/Biomass</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>MMPA Owned Hydro</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>MMPA Owned Wind</b>					
				<b>Subtotal</b>	<b>0</b>

				<b>TOTAL EXISTING GENERATION</b>	<b>203</b>
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**MMPA GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
	Faribault Energy		Rice / MN	2007	<b>110</b>

<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

**DOC 0039 ATTACHMENT**  
**NEW ULM PUBLIC UTILITIES COMMISSION OWNED RESOURCES**

Summer Season  
 All New Ulm Owned Generation is shown at URGE

**EXISTING GENERATION RESOURCES**

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>New Ulm Owned Coal</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>New Ulm Owned Oil</b>					
	New Ulm	5 DFO	Brown MN		23
		7 DFO	Brown MN		25
				<b>Subtotal</b>	<b>48</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>New Ulm Owned Gas</b>					
	New Ulm	3 NG	Brown MN		4.7
		4 NG	Brown MN		13.2
		6 NG	Brown MN		4.7
				<b>Subtotal</b>	<b>22.6</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>New Ulm Owned Wood/RDF/Biomass</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	URGE Rating
<b>New Ulm Owned Hydro</b>					
				<b>Subtotal</b>	<b>0</b>

	Unit Name	Zip Code	County and State	Forced Outage Rate	Nameplate Rating
<b>New Ulm Owned Wind</b>					
				<b>Subtotal</b>	<b>0</b>
<b>TOTAL EXISTING GENERATION</b>					<b>70.6</b>

**NEW ULM GENERATION ADDITIONS AND RETIREMENTS**

<b>Additions</b>	Unit Name	Zip Code	County and State	Year of Addition	Expected Capacity
<b>Retirements</b>	Unit Name	Zip Code	County and State	Year of Subtraction	Capacity Reduction

Consolidated Response to DOC 0039  
7610.0310 Item E -- Firm Purchases Summer

Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<b>Minnesota Power*</b>																				
	MHEB	80	50	50	50	50	50	50	50											
	WPS	75	50	100	50															
	Williams	75	50																	
	OliverWind 1	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12	10.12
	OliverWind 2		9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
	Laurentian	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786	13.786
	OPG	100																		
	Constellation	50																		
	RFP Wind				10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	Wing River CBED																			
	Wind Power			4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	<b>Total</b>	<b>404</b>	<b>184</b>	<b>188</b>	<b>148</b>	<b>98</b>	<b>98</b>	<b>98</b>	<b>98</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>

\*The figures shown for wind resources are 20 percent of nameplate.

Consolidated Response to DOC 0039  
 7610.0310 Item E -- Firm Purchases Summer

**SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY**

**Participant Utility**

Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Split Rock	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hutchinson	0	20	20	20	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0
Manitoba Hydro	0	30	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>total</b>	<b>45</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Central Minnesota Municipal Power Agency																				
	*City of Blue Earth	5	5	5	5	5	5	5	5	5	5	5	5	5	5					
	Ameren	13	13	10	13	13	10													
CMMPA Wind	Hancock Wind Energy Center, Hancock Co IA	6	[Annual contract]																	
	Blue Breezes; Fairbault Co MN	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Wolf Wind, Nobles Co MN	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25	6.25			
CMMPA Methane	Glencoe Landfill Gas, McLeod Co MN	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	<b>total</b>	<b>32.8</b>	<b>29.3</b>	<b>26.3</b>	<b>29.3</b>	<b>29.3</b>	<b>26.3</b>	<b>16.3</b>	<b>16.3</b>	<b>16.3</b>	<b>16.3</b>	<b>16.3</b>	<b>16.3</b>	<b>16.3</b>	<b>16.3</b>	<b>11.3</b>	<b>11.3</b>	<b>5.0</b>	<b>5.0</b>	<b>5.0</b>

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Minnesota Municipal Power Agency																				
	Rochester Public Utilities	100	50	50	50	25	25	25	25	25	0	0	0	0						
	Manitoba Hydro	60	60	30	30	30	0	0	0	0	0	0	0	0						

Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Dairyland Power Cooperative	Great River	50																			
	NSP	50																			
	Adams Wind	2	2	2	2	2	2	2	2	2	2	2									
Dairyland Wind	Timberline Landfill	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1										
	Central Disposal Landfill	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9										
	McNeilus Wind Farm; Mower Co MN	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4		
	McNeilus Wind Farm; Mower Co MN			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	Wind Farm (Iberdrola); Winnebago Co IA			20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	Central Disposal Landfill; Winnebago Co IA	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
	Central Disposal Landfill; Winnebago Co IA		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Sarona Landfill; Washburn Co WI		2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
	Sarona Landfill; Washburn Co WI			0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	Timberline Trail Landfill; Rusk Co WI	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Dairyland Biogas	Timberline Trail Landfill; Rusk Co WI		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	
	<b>total</b>	<b>135.4</b>	<b>42.1</b>	<b>82.9</b>	<b>82.9</b>	<b>82.9</b>	<b>82.9</b>	<b>82.9</b>	<b>82.9</b>	<b>82.9</b>	<b>82.9</b>	<b>73.9</b>	<b>73.9</b>	<b>73.9</b>	<b>73.9</b>	<b>73.9</b>	<b>73.9</b>	<b>73.9</b>	<b>56.5</b>	<b>56.5</b>	

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Great River Energy	* WAPA (Kandyohi)	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	
	* MHEB Diversity Exchange	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	* WAPA (CP)	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	0.0	0.0	0.0	0.0
	* All Fixing Members Growth	32.2	44.2	93.6	125.0	141.7	157.1	175.4	193.3	211.2	227.9	246.9	266.4	286.3	304.3	323.1	344.4	364.7	383.0	404.2	
	* MP	130.0	130.0	130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	* MP	45.0	45.0	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	Elk River Municipal	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	
	Moose Lake Municipal	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	
	DPC (Genoa #3)	173.1	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	172.3	
	Energy Alternatives Diesels	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	MHEB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	MP (Support for SRE sales)	101.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	NSP (DYNEGY)	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	NSP (DYNEGY)	0.0	150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	GRE Wind	Chandler, Murray Co, MN	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98											
		Christoffer, Jackson Co, MN	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7							
		McNelius, Dodge Co, MN	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7							
Prairie Star, Mower Co, MN		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Trimont, Martin/Jackson, MN		100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5					
Murray Co MN		1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98										
Elm Creek, Martin/Jackson Co, MN		99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	
Moulten, Murray Co, MN		1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98										
GRE Landfill Gas	Elk River Municipal; Sherburne Co MN	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2		
	<b>total</b>	<b>859.4</b>	<b>1138.9</b>	<b>1038.3</b>	<b>894.8</b>	<b>911.5</b>	<b>926.8</b>	<b>945.1</b>	<b>963.1</b>	<b>829.0</b>	<b>828.1</b>	<b>843.1</b>	<b>862.6</b>	<b>871.1</b>	<b>889.1</b>	<b>807.4</b>	<b>739.0</b>	<b>756.1</b>	<b>774.4</b>	<b>795.6</b>	



Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Otter Tail Power Company	WAPA*	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464	5,464						
	MPC	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	MHEB	50	50	50																	
	Dakota Magic	1,478	1,478	1,478	1,478	1,478	1,478	1,478	1,478	1,478	1,478	1,478	1,478	1,478							
	State Auto	1.5	1.5	1.5	1.5																
	Fleet Farm	0.736	0.736	0.736	0.736	0.736															
	Kindred School	1.985	1.985	1.985	1.985	1.985	1.985	1.985	1.985	1.985											
	Perham Inc.	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358	1.358				
	Stevens Comm.	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95		
	Valley QC	4,642	4,642	4,642	4,642	4,642	4,642														
	WPPi	26																			
	GRE	25																			
	XCEL		25																		
	OTP Wind	Borderline Wind I; Lincoln Co MN	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Dennis Tuel Wind; Ottertail Co MN		0.0395	[Indefinite, on small power producer tariff]																		
EMS; Deuel Co SD		0.09	0.09	0.09	0.09	0.09	0.09														
FPLE North Dakota Wind II; LaMoure Co ND		21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
Hendricks Wind I; Lincoln Co MN		0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9									
Lac Qui Parle Valley School; Lac Qui Parle Co MN		0.225	[Indefinite]																		
Trautman; Stutsman Co ND		0.05	[Indefinite, on small power producer tariff]																		
UM-Morris; Stevens Co MN		1.65	1.65																		
UM-Morris Wind; Stevens Co MN				1.5-2.0	[Planned resource. PPA term is unknown at this time.]																
UM-Morris Biomass; Stevens Co MN				0.4	[Planned resource. PPA term is unknown at this time.]																
OTP Biomass	FPL Langdon Wind Cavalier, ND	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	
	<b>total</b>	<b>165.5</b>	<b>139.6</b>	<b>114.2</b>	<b>62.5</b>	<b>61.0</b>	<b>60.3</b>	<b>55.5</b>	<b>55.5</b>	<b>55.5</b>	<b>53.6</b>	<b>53.6</b>	<b>52.7</b>	<b>51.2</b>	<b>51.2</b>	<b>45.7</b>	<b>44.4</b>	<b>44.4</b>	<b>43.4</b>	<b>43.4</b>	

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Missouri River Energy Services <sup>1</sup>	Marshall Wind	18.7																		
	Odin Wind		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	<b>total</b>	<b>18.7</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>20</b>

Note <sup>1</sup>: These units are not accredited because they offset local load





XCEL ENERGY Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	Winter Spawn; Lincoln Co MN	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98	1.98
	Woodstock Windfarm; Pipestone Co MN	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20	10.20
	Zambro Windfarm; Dodge Co MN	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
	<b>total</b>	<b>2000.8</b>	<b>1318.0</b>	<b>1237.0</b>	<b>4026.0</b>	<b>3766.0</b>	<b>3766.0</b>	<b>3974.6</b>	<b>4111.0</b>	<b>3986.0</b>	<b>4220.5</b>	<b>4292.5</b>	<b>4667.1</b>	<b>4850.8</b>	<b>4986.8</b>	<b>5122.8</b>	<b>788.1</b>	<b>786.3</b>	<b>700.8</b>	<b>689.7</b>

Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Wisconsin Public Power, Inc.	Kaukauna GT (Existing)	14.852	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	14.997	
	River Falls	18.24	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50	18.50
	Menasha	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08	7.08
	Maquoketa			29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45
	Kaukauna Hydro	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95	12.95
	Independence Diesels	15.95	16.21	16.46	16.71	16.97	17.22	17.47	17.73	17.98	18.23	18.30	18.30	18.30	18.30	18.30	18.30	18.30	18.30	18.30	18.30
	Customer Generation	18.90	18.59	18.59	16.52	16.52	16.52	16.34	15.57	15.57	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59	15.59
	CTA-1 (Firm)	65.45	65.45	65.45	65.45	65.45	65.45														
	CTA-2 (Firm)	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65					
	WEPCO PSA (Firm)	245.00	245.00	225.00	180.00	175.00	180.00	195.00	210.00	225.00	240.00	260.00	260.00	290.00		305.00	305.00	305.00	305.00	305.00	305.00
	WEPCO PSA (Firm)	5.00	5.00	5.00																	
	ALT PSA	166.00	199.00	191.00	185.00	180.00	195.00	195.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00	200.00				
	WPS Firm Purchase #1	50.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	50.00	25.00			
	WPS Firm Purchase #2	-	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00		
	WPS Firm Purchase #3			50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
	WPS Firm Purchase #4					50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00
	CECG Kendall County Generation	95.00	83.30	83.30	83.30	83.30	83.30	83.30	83.30	83.30	83.30	83.30	83.30								
	CECG Unit Firm Purchase		50.00																		
	Constellation Purchase	11.00																			
	MGE Purchase	55.00																			
	Outagamie County	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80	4.80							
	Forward		27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50	27.50
	Butler Ridge			54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00	54.00
Top of Iowa (Wind)		50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	50.00	
<b>total</b>		<b>850.9</b>	<b>984.0</b>	<b>1039.7</b>	<b>981.9</b>	<b>1022.2</b>	<b>1042.4</b>	<b>992.0</b>	<b>1011.5</b>	<b>1026.8</b>	<b>1042.0</b>	<b>1062.1</b>	<b>978.8</b>	<b>1004.0</b>	<b>1019.0</b>	<b>928.4</b>	<b>703.4</b>	<b>678.4</b>	<b>653.4</b>	<b>348.4</b>	
WPPI Landfill Gas																					
WPPI Wind																					

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
MinnKota Power Cooperative																				
	*WAPA	50	50	50	50	50	50	50	50	50	50	50	50	50	50					
	Northern Municipal Power Agency	11	11	11	11	11	11	11	11	11	11	11	11	11	11					
	Langdon - Wind																			
	Cavalier, ND		99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99	99
	<b>total</b>	<b>61</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>160</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>99</b>	<b>99</b>

Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
<b>Rochester Public Utilities</b>	Southern Minnesota Municipal Power Agency (SMMPA) Power Sales Contract	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	
	Minnesota Municipal Power Association (MMPA) Power Sales Contract <sup>1,2</sup>		15	20	25	35	40	50	60	75											
	Olmstead County Waste to Energy Facility; Olmstead Co MN <sup>3</sup>	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66	2.66
	Olmstead County Waste to Energy Facility, Olmstead Co MN (New 5) <sup>3</sup>	0	0	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	<b>total</b>	<b>216</b>	<b>231</b>	<b>236</b>	<b>241</b>	<b>251</b>	<b>256</b>	<b>266</b>	<b>276</b>	<b>291</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>	<b>216</b>

<sup>1</sup> The MMPA purchases are "buy-back" capacity of RPU owned assets at Silver Lake Plant currently under contract sale to MMPA

<sup>2</sup> The 2008 purchase from MMUA is a firm contract. Purchases indicated for 2009-2015 are potential firm.

<sup>3</sup> RPU also buys capacity at the Olmstead County Waste to Energy facility. However, this capacity is only available to RPU when the RPU load is above 216 MW. The data is shown below.



Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
<b>Interstate Power and Light Company</b>																					
	Duane Arnold Energy Center #1 Benton, IA 52324	406	406	406	406	406	406	406	406												
	Arnold Windfarm LLC Nobles Co, MN	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65	1.65						
	Flying Cloud Power Partners Dickinson, IA	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5							
	FPL Hancock County Energy Hancock, IA	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	
	G. McNeilus LLC (Adams Wind Farm) Mower, MN	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25							
	GarMar Wind I (Adams Wind Farm) Mower, MN	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25							
	Hawkeye Power Partners LLC Cerro Gordo, IA	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	41.25	
	Hardin Hilltop Wind Greene, IA	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	
	LJ Trust LLC & Zachary Ridge LLC Osceola, IA	3.6	3.6	3.6	3.6	3.6															
	McNeilus Windfarm LLC (Adams Wind Farm) Mower, MN	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5							
	Minwind I, Rock Co, MN	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9							
	Minwind II, Rock Co MN	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9							
	NAE Allendorf LLC (formerly Navitas/Allendorf) Osceola, IA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
	Neppel energy LLC, Emmett IA	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5							
	Sibley Hills LLC, Osceola IA	1.46	1.46																		
	Sieve Windfarm, Nobles MN	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95								
	Storm Lake Power Partners II LLC Beuna Vista, IA	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25	80.25						
	Wilmot Hills, Nobles, MN	1.5	1.5	1.5	1.5	1.5	1.5														
	WINDOM WIND FARM, Cottonwood MN																				
	ALP Wind LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Hypergen LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	JMC Wind LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	LimiEnergy LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Maiden Winds LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	MD&F Wind LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Power Beyond LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Power Blades Windfarm LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Stony Hills Windfarm LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Tower of Power LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	Whispering Wind Acres LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
	White Caps Windfarm LLC	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	
IPL Hydro	Americas' Hydro Various, IA	1.99	Term of contact not provided																		
	City of Cedar Rapids Hydro, Linn Co IA	2.1	Term of contact not provided																		
	Mitchell Mill Hydro LLC, Mitchell IA	1	Term of contact not provided																		
	Modern Hydro, Butler IA	0.4	Term of contact not provided																		
	Ottumwa Water, Wapello IA	3.25	Term of contact not provided																		
IPL Biomass/Waste	B.F.C. Electric Biofuels, Linn Co. IA	7	7																		
IPL Solar	Thorland, Linn Co. IA	0.007	Term of contact not available																		
	<b>total</b>	<b>692.9</b>	<b>684.2</b>	<b>675.7</b>	<b>675.7</b>	<b>675.7</b>	<b>672.1</b>	<b>670.6</b>	<b>670.6</b>	<b>670.6</b>	<b>664.6</b>	<b>664.6</b>	<b>664.6</b>	<b>259.9</b>	<b>210.9</b>	<b>115.6</b>	<b>114.0</b>	<b>114.0</b>	<b>114.0</b>	<b>72.7</b>	

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Willmar /1	WAPA*	7	7	7	7	7	7	7	7	7	7									
	GRE	30	30	30	30	30	30	30	30	30	0									
	Manitoba Hydro	60	60	30	60	60	30	30	30											
	<b>total</b>	<b>97</b>	<b>97</b>	<b>67</b>	<b>97</b>	<b>97</b>	<b>67</b>	<b>67</b>	<b>67</b>	<b>37</b>	<b>7</b>									

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
New Ulm /1	None																			

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Participant Utility	Contract	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Hutchinson /1	None																			