

BEFORE THE MINNESOTA OFFICE OF ADMINISTRATIVE HEARINGS
— 600 North Robert Street
St. Paul, MN 55101

FOR THE MINNESOTA PUBLIC UTILITIES COMMISSION
121 Seventh Place East, Suite 350
St Paul, MN 55101-2147

IN THE MATTER OF THE
PETITION FOR CERTIFICATES OF
NEED FOR THREE 345 kV
TRANSMISSION LINE PROJECTS
WITH ASSOCIATED SYSTEM
CONNECTIONS

Docket No. ET2,E002 et al./CN-06-1115

DIRECT EXHIBITS OF CHRISTOPHER J. SHAW
ON BEHALF
OF THE MINNESOTA OFFICE OF ENERGY SECURITY

MAY 23, 2008

Christopher J. Shaw
Minnesota Office of Energy Security
85 7th Place East, Suite 500
St. Paul, Minnesota 55101-2198

EDUCATION:

University of Wisconsin Law School, Madison, WI
J.D., 2004

University of Wisconsin-Madison, Madison, WI
B.A., 2000
Major: Economics-Mathematical Emphasis

EXPERIENCE:

Minnesota Department of Commerce/Minnesota Office of Energy Security
Public Utilities Rates Analyst Since August 2006

Analyst in the following Dockets:

- Elk River Peaking Station – Certificate of Need for 175 MW Generating Facility in Elk River, Minnesota, Docket ET2/CN-07-678
- Grand Meadow Wind – Certificate of Need for 100 MW Wind Farm in Mower County, Minnesota, Docket E002/CN-07-873
- Elm Creek Wind – Certificate of Need for 100 MW Wind Farm in Jackson and Martin Counties, Minnesota, Docket IP6631/CN-07-789
- Buffalo Ridge Incremental Generation Outlet (BRIGO) transmission project – Certificate of Need for 3 115 kV transmission lines in Southwestern Minnesota, Docket E002/CN-06-154
- High Prairie Wind - Certificate of Need of 100 MW Wind Farm in Mower County, Minnesota, Docket E6556/CN-06-1428
- Great River Energy - Conservation Improvement Program for 2006, Docket No. E100/CIP-06-89
- Southern Minnesota Municipal Power Agency - Conservation Improvement Program for 2006, Docket No. E100/CIP-06-88

Public Service Commission of Wisconsin, Madison, WI 2003-2004
Law Clerk

Researched and drafted memos on utility, telecommunications, and administrative law topics. Drafted portions of appellate briefs and pleadings.

Professional Training:

Strategist (integrated resource planning model software) training Phase I
(November 2007)

Strategist (integrated resource planning model software) training Phase II
(February 2008)

- Non Public Document – Contains Trade Secret Data
 Public Document – Trade Secret Data Excised
 Public Document

Xcel Energy

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

Response To: Steve Rakow Information Request No. 39
MN Department of Commerce

Date Received: December 18, 2007

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.

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 |
|---|------------|-----------|--------------------|------------------|--------------------|--------------|
| Minnesota Power Owned Coal | | | | | % | 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 | |
| | | | | | Subtotal | 1,226 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| Minnesota Power Owned Oil | | | | | | |
| | | | | | Subtotal | 0 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| Minnesota Power Owned Gas | | | | | | |
| | | | | | Subtotal | 0 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| Minnesota Power Owned Wood/RDF/Biomass | | | | | % | 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 | |
| | | | | | Subtotal | 100.9 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| Minnesota Power Owned Hydro | | | | | % | MW |
| Rapids Energy Center | Unit #4 | 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 |
| | | | | Subtotal | 115.8 |
| Minnesota Power Owned Wind * | | | | | |
| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |
| | | | | TOTAL EXISTING GENERATION | 1443 |
| GENERATION ADDITIONS AND RETIREMENTS | | | | | |
| Additions | 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 |
| | | | | | |
| | | | | | |
| Retirements | 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 |
|------------------|-----------------|----------|------------------|--------------------|--------------|
| SMMPA Owned Coal | Sherco 3 | 55308 | Sherburne | 5% | 362.4 |
| | Austin NE | 55912 | Mower | N/A | 29.5 |
| | Subtotal | | | | 391.9 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------|--------------------|----------|------------------|--------------------|-------------|
| SMMPA Owned Oil | 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 |
| | Subtotal | | | | 47.8 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------|-----------------|----------|------------------|--------------------|-------------|
| SMMPA Owned Gas | 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 |
| Subtotal | | | | 127.1 |

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

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|--------------------------|----------|------------------|--------------------|-------------|
| SMMPA Owned Hydro | | | | |
| | | | | |
| Subtotal | | | | |

| Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|----------|------------------|--------------------|------------------|
| SMMPA Owned Wind | | | | |
| 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 |
| Subtotal | | | | 8.6 |
| TOTAL EXISTING GENERATION | | | | 568.8 |

SMMPA GENERATION ADDITIONS AND RETIREMENTS

| Additions | 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 |
| Retirements | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
| | | | | | |
| | | | | | |
| | | | | | |

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 |
|-------------------------------|--------------------|----------|------------------|--------------------|---------------|
| Great River Energy Owned Coal | 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 |
| | | | | Subtotal | 1309.7 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|------------------------------|-------------------|----------|------------------|--------------------|--------------|
| Great River Energy Owned Oil | 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 |
| | | | | Subtotal | 121.6 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|------------------------------|---------------------|----------|------------------|--------------------|---------------|
| Great River Energy Owned Gas | 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 |
| | | | | Subtotal | 1064.3 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---|--------------|----------|------------------|--------------------|-------------|
| Great River Energy Owned Wood/RDF/Biomass | | | | | |
| | 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 |
| | | | | Subtotal | 36.8 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|--------------------------------|-----------|----------|------------------|--------------------|-------------|
| Great River Energy Owned Hydro | | | | | |
| | | | | | |
| | | | | | |
| | | | | Subtotal | 0.0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|-----------|----------|------------------|--------------------|------------------|
| Great River Energy Owned Wind | | | | | |
| | | | | | |
| | | | | | |
| | | | | Subtotal | 0.0 |
| TOTAL EXISTING GENERATION | | | | | 2532.4 |

| GRE GENERATION ADDITIONS AND RETIREMENTS | | | | | |
|---|------------------|----------|------------------|---------------------|--------------------|
| Additions | 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 |
| | | | | | Subtotal |
| Retirements | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
| | | | | | 0.0 |
| | | | | | |

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 |
|-------------------------|----------|------------------|--------------------|-------------|
| CMMPA Owned Coal | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | Subtotal | 0 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|------------------------|------------------|--------------------|--------------------|-----------------|
| CMMPA Owned Oil | | | | |
| 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 |
| Fairfax | 7 DFO | Wright MN | | 3.03 |
| | 2A | Renville MN | | 1.8 |
| | Glencoe | 10 DFO | McLeod MN | |
| 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 | |
| 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 |
| | | | | Subtotal |

| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---|---------------|-----------|------------------|---------------------|----------------------------------|------------------|
| CMMPA Owned Gas | | | | | | |
| 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 |
| | | | | | Subtotal | 35.3 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| CMMPA Owned Wood/RDF/Biomass | | | | | | |
| | | | | | Subtotal | 0 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| CMMPA Owned Hydro | | | | | | |
| Granite Falls | 1 WAT | | | Chippewa MN | | 0.3 |
| | 2 WAT | | | Chippewa MN | | 0.25 |
| | HC3 | | | Chippewa MN | | 0.867 |
| | | | | | Subtotal | 1.4 |
| | | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
| CMMPA Owned Wind from 0034 | | | | | | |
| | Mt. Lake Wind | | | Watonwan, MN | | 1.25 |
| | | | | | Subtotal | 1.25 |
| | | | | | TOTAL EXISTING GENERATION | 121.8 |
| GENERATION ADDITIONS AND RETIREMENTS | | | | | | |
| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity | |
| | | | | | | |
| Retirements | 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 |
|-----------------|-----------------------|----------|------------------|--------------------|-------------|
| MRES Owned Coal | Laramie River Station | 82001 | Platte, WY | 0.1 | 284 |
| | | | | | |
| | | | | Subtotal | 284 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------|-------------------------|----------|------------------------|--------------------|-----------------|
| MRES Owned Oil | 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 | Trail, ND | | 2 |
| | Hillsboro 2 | 58045 | Trail, 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 |
| | | | | | Subtotal |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------|-----------------|----------|------------------|--------------------|--------------|
| MRES Owned Gas | 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 |
| | | | | Subtotal | 140.0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---|--------------------------------------|----------|------------------------|---------------------|--------------------|
| MRES Owned Wood/RDF/Biomass | | | | | |
| | | | | | |
| | Subtotal | | | | 0 |
| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| MRES Owned Hydro | | | | | |
| | | | | | |
| | Subtotal | | | | 0 |
| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Capacity |
| MRES Owned Wind | 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) ¹ | | | | 3.7 |
| Subtotal | | | | 3.7 | |
| Note ¹ : These units are not accredited because they offset local load | | | | | |
| TOTAL EXISTING GENERATION | | | | | 592.1 |
| GENERATION ADDITIONS AND RETIREMENTS | | | | | |
| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
| | | | | | |
| Retirements | 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 |
| Subtotal | | | | | 8.3 |

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 |
|-------------------------------------|-----------------|----------|------------------|--------------------|-------------|
| Otter Tail Power Company Owned Coal | 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 |
| | Subtotal | | | | |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|------------------------------------|-----------------------|----------|------------------|--------------------|-------------|
| Otter Tail Power Company Owned Oil | 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 |
| Subtotal | | | | | 74.1 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|------------------------------------|-----------------|----------|------------------|--------------------|-------------|
| Otter Tail Power Company Owned Gas | Solway CT | 56678 | Beltrami, MN | 4% | 43 |
| | Subtotal | | | | |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---|-----------------|----------|------------------|--------------------|-------------|
| Otter Tail Power Company Owned Wood/RDF/Biomass | | | | | |
| | Subtotal | | | | |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|--------------------------------------|------------------|----------|------------------|--------------------|-------------|
| Otter Tail Power Company Owned Hydro | 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 |
| Subtotal | | | | | 4.4 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|-------------------------------------|------------------|----------|------------------|--------------------|------------------|
| Otter Tail Power Company Owned Wind | OTP Langdon Wind | | Cavalier, ND | | 40.5 |
| | Subtotal | | | | |
| TOTAL EXISTING GENERATION | | | | | 703.4 |

GENERATION ADDITIONS AND RETIREMENTS

| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
|-------------|--------------|----------|------------------|---------------------|--------------------|
| | | | | | |
| Retirements | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
| | Hoot Lake #2 | 56537 | Otter Tail, MN | April 30, 2018 | 60 |
| | Hoot Lake #3 | 56537 | Otter Tail, MN | April 30, 2018 | 84 |

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 ¹ |
|----------------|-----------------|----------|------------------|--------------------|--------------------------|
| RPU Owned Coal | 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 |
| | Subtotal | | | | |

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

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------|------------------|----------|------------------|--------------------|-------------|
| RPU Owned Gas | Cascade Creek #1 | 55901 | Olmsted, MN | 15.23% | 30.144 |
| | Cascade Creek #2 | 55901 | Olmsted, MN | 5.97% | 48.952 |
| Subtotal | | | | | 79.1 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------------------|-----------|----------|------------------|--------------------|-------------|
| RPU Owned Wood/RDF/Biomass | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------|-------------------|----------|------------------|--------------------|-------------|
| RPU Owned Hydro | Lake Zumbro Hydro | 55956 | Wabasha, MN | 0.00% | 2.035 |
| Subtotal | | | | | 2.0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|-----------------|-----------|----------|------------------|--------------------|------------------|
| RPU Owned Wind | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

TOTAL EXISTING GENERATION 189.3

RPU GENERATION ADDITIONS AND RETIREMENTS

| Additions ² | 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 |
| | | | | | |
| Retirements ² | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction ³ |
| | 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 |

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

² 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 web

³ 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 |
|----------------------|-------------------|----------|--------------------|--------------------|-------------|
| Dairyland Owned Coal | 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 |
| | | | Subtotal | | 936.8 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---------------------|-----------|----------|------------------|--------------------|-------------|
| Dairyland Owned Oil | | | | | |
| | | | | | |
| | | | | | |
| | | | Subtotal | | 0 |

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

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

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Accredited Capacity |
|-------------------------|---------------------------------|----------|-------------------|--------------------|---------------------|
| Dairyland Owned Methane | 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 |
| | | | | Subtotal | |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|-----------|----------|------------------|--------------------|------------------|
| Dairyland Owned Wind | | | | | |
| | | | | | |
| | | | | | |
| | | | Subtotal | | 0 |
| TOTAL EXISTING GENERATION | | | | | 1038.9 |

GENERATION ADDITIONS AND RETIREMENTS

| Additions | 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 |
| | | | | | |

| Retirements | 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 | |
|-------------------------------|--------------------|----------|------------------|--------------------|-------------|---------------|
| Xcel Energy Owned Coal | | | | | | |
| | 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 |
| | | | | Subtotal | | 3073.9 |

NSP portion.
Total capacity 859.6

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|------------------------------|-------------------------------------|----------|------------------|--------------------|-------------|--------------|
| Xcel Energy Owned Oil | | | | | | |
| | 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 |
| | | | | Subtotal | | 454.6 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|------------------------------|------------------------|----------|------------------|--------------------|-------------|---------------|
| Xcel Energy Owned Gas | | | | | | |
| | Pathfinder | G1 | 57110 | Minnehaha, SD | 0 | 0.00 |
| | West Faribault | G1 | 55021 | Faribault, Mn | 0 | 0.00 |
| | West Faribault | G2 | 55021 | Faribault, Mn | 0 | 0.00 |
| | Black Dog** | G5 | 55337 | Dakota, MN | 30.32 | 195.00 |
| | Black Dog** | G2 | 55337 | Dakota, MN | 30.32 | 102.80 |
| | 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 |
| | 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 |
| | Bayfront | G4 | 54808 | Ashland, WI | | 4.52 |
| | | | | Subtotal | | 1737.1 |

80%wood 20%gas
80%wood 20%gas

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|---|-----------|----------|--------------------|--------------------|--------------|---------------------|
| Xcel Energy Owned Wood/RDF/Biomass | | | | | | |
| 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 |
| | | | | Subtotal | 103.4 | |
| Xcel Energy Owned Hydro | | | | | | |
| 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 |
| | | | | Subtotal | 266.4 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|-------------------------------|-----------|----------|------------------|--------------------|------------------|
| Xcel Energy Owned Wind | | | | | |
| None | | | | | |
| | | | | Subtotal | 0.00 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------------------------|-----------|----------|------------------|--------------------|---------------|
| Xcel Energy Nuclear | | | | | |
| 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 |
| | | | | Subtotal | 1668.0 |
| TOTAL EXISTING GENERATION | | | | | 7303.4 |

GENERATION ADDITIONS AND RETIREMENTS

| Additions | | | | | |
|------------------|--------------|----------|------------------|------------------|-------------------|
| | 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 |

| Retirements | | | | | |
|----------------------|-----------|----------|------------------|---------------------|--------------------|
| | 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 |
| Black Dog** | G2 | 55337 | Dakota, MN | 0 | 0.00 |
| High Bridge | G5 | 55102 | Ramsey, MN | 36.5 | 99.00 |
| High Bridge | G6 | 55102 | Ramsey, MN | 10.26 | 172.10 |
| MN Valley (Gas/Coal) | G1 | 55418 | Hennepin, MN | 0 | 0.00 |

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

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|---|----------|------------------|--------------------|-----------------|------------|
| Wisconsin Public Power, Inc Owned Coal | | | | | |
| Boswell Unit 4 (a) | 55721 | Itasca, MN | 5% (d) | 107 MW | |
| (a) WPPI Share of Unit | | | | Subtotal | 107 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|--|----------|------------------|--------------------|-----------------|----------|
| Wisconsin Public Power, Inc Owned Oil | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|---|----------|------------------|--------------------|-----------------|------------|
| Wisconsin Public Power, Inc Owned Gas | | | | | |
| 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 | | | | Subtotal | 215 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|---|----------|------------------|--------------------|-----------------|----------|
| Wisconsin Public Power, Inc Owned Wood/RDF/Biomass | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|--|----------|------------------|--------------------|-----------------|----------|
| Wisconsin Public Power, Inc Owned Hydro | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating | |
|---|----------|------------------|--------------------|----------------------------------|--------------|
| Wisconsin Public Power, Inc Owned Wind | | | | | |
| Worthington Wind Turbines 2&3 | 56187 | Nobles, MN | 5% | 1.8 MW (b) | |
| (b) Nameplate | | | | Subtotal | 1.8 |
| | | | | TOTAL EXISTING GENERATION | 323.8 |

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 |
|-------------------------------|-----------|----------|------------------|--------------------|----------------|
| IPL Owned Coal | | | | | |
| 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 |
| | | | Subtotal | | 901.4 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|--------------------------|-----------|----------|------------------|--------------------|--------------|
| IPL Owned Oil | | | | | |
| 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 |
| | | | Subtotal | | 313.0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------------|-----------|----------|------------------|--------------------|-------------|
| IPL Owned Gas | | | | | |
| 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 |
| Subtotal | | | | | 873.6 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-------------------|----------|------------------|--------------------|-------------|
| IPL Owned Nuclear | | | | |
| Subtotal | | | | 0 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------------------|----------|------------------|--------------------|-------------|
| IPL Owned Wood/RDF/Biomass | | | | |
| Subtotal | | | | 0 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating | |
|------------------|----------|------------------|--------------------|---------------|------|
| IPL Owned Hydro | | | | | |
| 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 |
| Subtotal | | | | 4171 | |

| Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|----------|------------------|--------------------|------------------|
| IPL Owned Wind | | | | |
| Subtotal | | | | 0 |
| TOTAL EXISTING GENERATION | | | | 6259.0 |

GENERATION ADDITIONS AND RETIREMENTS

| Additions | 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 |
| Retirements | 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 |
|----------------------------|----------|------------------|--------------------|---------------|
| MinnKota Owned Coal | | | | |
| 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 |
| Subtotal | | | | 581.90 |

MPC Share
MPC Share

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---------------------------|----------|----------------------|--------------------|--------------|
| MinnKota Owned Oil | | | | |
| 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 |
| Subtotal | | | | 34.58 |

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---------------------------|----------|------------------|--------------------|--------------|
| MinnKota Owned Gas | | | | |
| | | | | |
| | | | | |
| Subtotal | | | | 0.000 |

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

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------------------|----------|------------------|--------------------|--------------|
| MinnKota Owned Hydro | | | | |
| | | | | |
| | | | | |
| Subtotal | | | | 0.000 |

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

GENERATION ADDITIONS AND RETIREMENTS

| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
|--------------------|-----------|----------|------------------|---------------------|--------------------|
| | | | | | 0.000 |
| Retirements | | | | | |
| Retirements | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
| | | | | | 0.000 |

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 |
|------------------------------|-----------|----------|------------------|--------------------|-------------|
| Hutchinson Owned Coal | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------------------|-----------|----------|------------------|--------------------|-------------|
| Hutchinson Owned Oil | | | | | |
| | 5 DFO | | McLeod MN | | 1.7 |
| | 6 DFO | | McLeod MN | | 1.7 |
| Subtotal | | | | | 3.4 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------------------|-----------|----------|------------------|--------------------|-------------|
| Hutchinson Owned Gas | | | | | |
| | 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 |
| Subtotal | | | | | 98.3 |

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

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-------------------------------|-----------|----------|------------------|--------------------|-------------|
| Hutchinson Owned Hydro | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|------------------------------|-----------|----------|------------------|--------------------|------------------|
| Hutchinson Owned Wind | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

| | |
|----------------------------------|--------------|
| TOTAL EXISTING GENERATION | 101.7 |
|----------------------------------|--------------|

GENERATION ADDITIONS AND RETIREMENTS

| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
|--------------------|-----------|----------|------------------|---------------------|--------------------|
| | | | | | |
| Retirements | 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 |
|--------------------------------------|--|-----------|----------|------------------|--------------------|-------------|
| Willmar Owned Coal Willmar | | | | | | |
| | | ST3 | | Kandiyohi MN | | 15.9 |
| | | | | | Subtotal | 15.9 |

| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-------------------------------------|--|-----------|----------|------------------|--------------------|-------------|
| Willmar Owned Oil 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 |
| | | | | | Subtotal | 12 |

| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|--------------------------|--|-----------|----------|------------------|--------------------|-------------|
| Willmar Owned Gas | | | | | | |
| | | ST2 | | | | 6.5 |
| | | | | | Subtotal | 6.5 |

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

| | | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------------------|--|-----------|----------|------------------|--------------------|-------------|
| Willmar Owned Hydro | | | | | | |
| | | | | | | |
| | | | | | Subtotal | 0 |

| | | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|---------------------------|--|-----------|----------|------------------|----------------------------------|------------------|
| Willmar Owned Wind | | | | | | |
| | | | | | | |
| | | | | | Subtotal | 0 |
| | | | | | TOTAL EXISTING GENERATION | 34.4 |

WILLMAR GENERATION ADDITIONS AND RETIREMENTS

| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
|--------------------|-----------|----------|------------------|---------------------|--------------------|
| | | | | | |
| Retirements | 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 |
|------------------------|-----------|----------|------------------|--------------------|-------------|
| MMPA Owned Coal | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------------|-----------|----------|------------------|--------------------|-------------|
| MMPA Owned Oil | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

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

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

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-------------------------|-----------|----------|------------------|--------------------|-------------|
| MMPA Owned Hydro | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|-----------|----------|------------------|--------------------|------------------|
| MMPA Owned Wind | | | | | |
| | | | | | |
| | | | | | |
| Subtotal | | | | | 0 |
| TOTAL EXISTING GENERATION | | | | | 203 |

MMPA GENERATION ADDITIONS AND RETIREMENTS

| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
|--------------------|------------------|----------|------------------|---------------------|--------------------|
| | Faribault Energy | | Rice / MN | 2007 | 110 |
| Retirements | 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 |
|---------------------------|-----------|----------|------------------|--------------------|-------------|
| New Ulm Owned Coal | | | | | |
| | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |

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

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

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

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------------------|-----------|----------|------------------|--------------------|-------------|
| New Ulm Owned Hydro | | | | | |
| | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|-----------|----------|------------------|--------------------|------------------|
| New Ulm Owned Wind | | | | | |
| | | | | | |
| | | | | | |
| | | | | Subtotal | 0 |
| TOTAL EXISTING GENERATION | | | | | 70.6 |

NEW ULM GENERATION ADDITIONS AND RETIREMENTS

| | | | | | |
|--------------------|-----------|----------|------------------|---------------------|--------------------|
| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
| | | | | | |
| | | | | | |
| Retirements | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
| | | | | | |
| | | | | | |

Consolidated Narrative - DOC 6039
 6100316 Item E - Firm Purchases Summary

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|----------------|------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| MHEB | 80 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | | | | | | |
| WPS | 75 | 50 | 100 | 50 | | | | | | | | | | | | | | | |
| Williams | 75 | 50 | 50 | | | | | | | | | | | | | | | | |
| Oliver Wind 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 |
| Oliver Wind 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 | 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 |
| OPC | 100 | | | | | | | | | | | | | | | | | | |
| Centralton | 50 | | | | | | | | | | | | | | | | | | |
| RFP Wind | | | | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Wag River CBED | | | 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 |
| Wind Power | | | 188 | 148 | 98 | 98 | 98 | 98 | 98 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| Total | 404 | 184 | 388 | 148 | 98 | 98 | 98 | 98 | 98 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |

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

Consolidated Response to POC W39
 3610.0310 Item E - Final Purchases Summary

SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY

| Participant Utility | 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 | 0 | | | |
| Hutchinson | 0 | 20 | 20 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Maanaba Hydro | 0 | 30 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| total | 45 | 50 | 50 | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Consolidated Response to DCC 0019
 2010-2019 Item 1 - Firm Purchase - Summary

| Participant/Utility | 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 | | | | | | |
| American | 13 | 13 | 10 | 13 | 13 | 10 | | | | | | | | | | | | | |
| Hancock Wind Energy Center | | | | | | | | | | | | | | | | | | | |
| Hancock Co IA | 6 | [Annual contract] | | | | | | | | | | | | | | | | | |
| Blue Brezes | | | | | | | | | | | | | | | | | | | |
| Fairbank 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 | 6.25 | 6.25 | 6.25 |
| 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 |
| total | 32.8 | 29.3 | 26.3 | 29.3 | 29.3 | 26.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 11.3 | 11.3 | 5.0 | 5.0 | 5.0 | 5.0 |

Confidential Response to D&C 0329
 2011-2019 Item B - Firm Purchases Summary

| Parity/Rate 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 | | | | | | | | | | |
| Manitoba Hydro | | 60 | 60 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Consolidated Response to DCCR 0039
 5/15/2016 from E... Farm Purchase Summary

| 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 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Adams Wind | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Timberline Landfill | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| Dairyland Wind | Central Disposal Landfill | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| | McNeilus Wind Farm, | 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 | 17.4 |
| | Mayer 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 | 17.4 |
| | McNeilus Wind Farm, | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Dairyland Biogas | Mower Co MN | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Wind Farm (Hertroth), | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Winnabago Co IA | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Central Disposal Landfill, | 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 |
| | Winnabago 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 |
| | Central Disposal Landfill, | | 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 |
| | Winnabago Co IA | | 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 |
| | Serona Landfill, | | 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 |
| | Serona Landfill, | | 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 |
| | Washburn 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 |
| Timberline Trail Landfill, | 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 | |
| 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 | |
| Timberline Trail Landfill, | | 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 | |
| Rusk Co WI | | 42.1 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | |
| total | | 135.4 | 42.1 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | |

| Participant/Utility | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|---------------------------------------|--------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Great River Energy | | | | | | | | | | | | | | | | | | | | |
| WAPA (Sandholm) | 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 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| MHEB (Deversy Exchange) | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| 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 | 86.4 | 86.4 | 86.4 | 86.4 |
| All Fringe Members Growth | 32.2 | 44.2 | 93.6 | 123.0 | 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 | 424.2 |
| MRP | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 |
| MRP | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 | -45.0 |
| 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 | 10.3 |
| Morse 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 | 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 | 172.3 |
| Energy Alternatives Desk | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| 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 | 0.0 |
| MRP (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 | 0.0 |
| NSP (DYNIEGY) | 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 | 0.0 |
| NSP (DYNIEGY) | 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 | 0.0 |
| Chandler, Murray 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 | 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 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| McNeils, 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 | 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 | 100 |
| Tremont, Murray/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 | 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 | 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 | 99 |
| Moulton, Murray 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 | 1.98 |
| 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 | 3.2 | 3.2 |
| total | 859.4 | 1138.9 | 1038.3 | 894.8 | 911.5 | 926.8 | 945.1 | 963.1 | 829.0 | 828.1 | 843.1 | 862.6 | 871.1 | 889.1 | 897.4 | 739.0 | 756.1 | 774.4 | 795.6 | 795.6 |

GRE Wind

GRE Landfill Gas

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|------------------------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 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 | 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 |
| AFIEB | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Dakota Mfg. | 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 | 1.478 | 1.478 | 1.478 | 1.478 | 1.478 | 1.478 |
| State Auto | 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 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| Hera Farm | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 |
| Sainted School | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 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 | 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 | 0.95 |
| Valley OC | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 |
| WPP1 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| GBE | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| SCB1 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Berkeley Wind I, | 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 |
| Lancolt Co MN | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 | 0.0395 |
| Dennis Tuel Wind, | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| Ottawa Co MN | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| PPLE North Dakota Wind II, | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| Laymore Co ND | 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 |
| Hendricks Wind I, | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 | 0.225 |
| Lancolt Co MN | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |
| Lac Qui Parle Valley School, | 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| Lac Qui Parle Co MN | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 |
| Trauman, Sounaman Co ND | 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 |
| UMA-Morris, Stevens Co MN | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 | 1.5-2.0 |
| UMA-Morris Wind, | 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 |
| Stevens Co MN | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 |
| UMA-Morris Biomass, | 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 |
| Stevens Co MN | 165.5 | 139.6 | 114.2 | 62.5 | 61.0 | 60.3 | 55.5 | 55.5 | 55.5 | 55.5 | 53.6 | 52.7 | 51.2 | 51.2 | 45.7 | 44.4 | 44.4 | 43.4 | 43.4 |
| FPL Langdon Wind | | | | | | | | | | | | | | | | | | | |
| Carlier, ND | | | | | | | | | | | | | | | | | | | |
| Total | 165.5 | 139.6 | 114.2 | 62.5 | 61.0 | 60.3 | 55.5 | 55.5 | 55.5 | 53.6 | 52.7 | 51.2 | 51.2 | 45.7 | 44.4 | 44.4 | 43.4 | 43.4 | 43.4 |

Consolidated Response to DCC 019
 20110510 Item E - Firm Purchase Contract

| Participant Liability | Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Missouri River Energy Services ¹ | | | | | | | | | | | | | | | | | | | | |
| | Marshall Wind | 18.7 | | | | | | | | | | | | | | | | | | |
| | Odin Wind | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | total | 18.7 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Note: ¹ These units are not accredited because they offset local load

| XCEL ENERGY Participating Entity | Contract | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
| Windcurrent Farms, Popstone 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 | 1.90 |
| Windwest Windfarm LLC, Popstone Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Windy Dog LLC, Larroin Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Winter Spans, 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 | 1.98 |
| Woodstock Windfarm, Popstone 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 | 10.20 |
| Zumbro 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 | 1.90 |
| total | 2000.8 | 1318.0 | 1227.0 | 4026.0 | 3766.0 | 3766.0 | 3971.6 | 4111.0 | 3986.0 | 4220.3 | 4292.3 | 4667.1 | 4850.8 | 4986.8 | 5122.8 | 788.1 | 786.3 | 700.8 | 689.7 | 689.7 |

Company Name: Wisconsin Public Power, Inc.
 Form: WPP1 Landfill Gas
 WPP1 Wind

| 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. | Kaushana GT (Baseload) | 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 | 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 | 18.50 | | |
| | Manasha | 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 | 7.08 | 7.08 | |
| | Manuketa | | 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 | 29.45 | 29.45 | 29.45 | |
| | Kaushana 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 | 12.95 | 12.95 | |
| | Independence Diesel | 15.95 | 16.21 | 16.46 | 16.71 | 16.97 | 17.22 | 17.47 | 17.73 | 18.00 | 18.26 | 18.53 | 18.80 | 19.07 | 19.34 | 19.61 | 19.88 | 20.15 | 20.42 | 20.69 | 20.96 | 21.23 | 21.50 | |
| | Customer Generation | 18.90 | 18.59 | 18.29 | 17.98 | 17.67 | 17.36 | 17.05 | 16.74 | 16.43 | 16.12 | 15.81 | 15.50 | 15.19 | 14.88 | 14.57 | 14.26 | 13.95 | 13.64 | 13.33 | 13.02 | 12.71 | 12.40 | |
| | CFA-1 (Firm) | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | |
| | CFA-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 | 65.65 | 65.65 | 65.65 | 65.65 | 65.65 | 65.65 | 65.65 | |
| | WERCO PSA (Firm) | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | 245.00 | |
| | WERCO PSA (Firm) | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | |
| | ALT PSA | 166.00 | 191.00 | 191.00 | 185.00 | 180.00 | 175.00 | 170.00 | 165.00 | 160.00 | 155.00 | 150.00 | 145.00 | 140.00 | 135.00 | 130.00 | 125.00 | 120.00 | 115.00 | 110.00 | 105.00 | 100.00 | 95.00 | |
| | 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 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | 75.00 | |
| | 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 | 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 | 50.00 | 50.00 | 50.00 | |
| | WPS Firm Purchase #4 | | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | |
| | CECG Kendall County Generation | | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 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 | 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 | 50.00 | |
| | Consolidation Purchase | | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | |
| | MGE Purchase | | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | 55.00 | |
| | Omnigene Centre | | 1.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 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 | 27.50 | 27.50 | |
| | Baker Baker | | 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 | 50.00 | 50.00 | |
| | Top of Iowa (Wind) | | 850.9 | 984.0 | 1039.7 | 981.9 | 1022.2 | 1042.4 | 992.0 | 1011.5 | 1026.8 | 1042.0 | 1062.1 | 978.8 | 1001.0 | 1019.0 | 928.4 | 703.4 | 678.4 | 653.4 | 348.4 | | | |
| | total | | | | | | | | | | | | | | | | | | | | | | | |

| Consolidated Response to FCC 619 2014/18 Item P - Earn Purchase Support | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|--|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Minnesota Power Cooperative | Contract | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| | *WAPA | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| | Northern Municipal Power Agency | | | | | | | | | | | | | | | | | | | |
| | Langdon - Wind | | | | | | | | | | | | | | | | | | | |
| | Cavaler, ND | | | | | | | | | | | | | | | | | | | |
| | total | 61 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |

| Participant Utility | Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | |
|----------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Rochester Public Utilities | Southern Minnesota Municipal Power Agency (SMMMPA) Power Sales Contract | 216 | 215 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | | |
| | Minnesota Municipal Power Association (MMMPA) Power Sales Contract 1 ² | | 15 | 20 | 25 | 35 | 40 | 50 | 60 | 75 | | | | | | | | | | | | |
| | Olmstead Co. MN ³ | 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 County Waste to Energy Facility | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| | Olmstead Co MN (New 5) ² | | | | | | | | | | | | | | | | | | | | | |
| | total | 216 | 231 | 236 | 241 | 251 | 256 | 266 | 276 | 281 | 281 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | 216 | |

¹ The MMMPA purchases are "buy-back" capacity of RPU owned assets at Silver Lake Plant currently under contract sale to MMMPA

² The 2008 purchase from MMMPA is a firm contract. Purchases indicated for 2009-2015 are potential firm.

³ 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 |
|---|--|------|------|-------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Interstate Power and Light Company | | | | | | | | | | | | | | | | | | | | |
| | Duane Arnold Energy Center # 1 | | | 406 | 406 | 406 | 406 | 406 | 406 | | | | | | | | | | | |
| | Benton, LA 53324 | | | 406 | 406 | 406 | 406 | 406 | 406 | | | | | | | | | | | |
| | Arnold Windfarm LLC | | | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | | | | | |
| | Nobles Co, MN | | | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | | | | | |
| | Flying Cloud Power Partners | | | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | | | | | |
| | Dickinson, 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 | | | | | |
| | FPL Hancock County Energy | | | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | | | | | |
| | Hancock, IA | | | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | | | | | |
| | G. McNeider LLC (Adams Wind Farm) | | | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | | | | | |
| | 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 | | | | | |
| | Gardner Wind I (Adams Wind Farm) | | | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | 41.25 | | | | | |
| | Mower, MN | | | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | | | | | |
| | Hawkeye Power Partners LLC | | | | | | | | | | | | | | | | | | | |
| | Cerro Gordo, IA | | | | | | | | | | | | | | | | | | | |
| | Greene, IA | | | | | | | | | | | | | | | | | | | |
| | Hardin Hilltop Wind | | | | | | | | | | | | | | | | | | | |
| | UJ Trust LLC & Zebary Ridge LLC | | | | | | | | | | | | | | | | | | | |
| | Cresco, IA | | | | | | | | | | | | | | | | | | | |
| | McNelis Windfarm LLC (Adams Wind Farm) | | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | | |
| | Mower, 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 | | | | | |
| | Minward 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 | | | | | |
| | Minward II, Rock Co, 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 | | | | | |
| | NAE Allouaboué LLC | | | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | | | | | |
| | (Formerly Nivitas/Allentide) | | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | | |
| | Cresco, IA | | | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | | | | | |
| | Neppel energy LLC, Emmert IA | | | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | 1.46 | | | | | |
| | Sibley Hills LLC, Osceola IA | | | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | | | | | |
| | Steve Windfarm, Nobles MN | | | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | 80.25 | | | | | |
| | Snoom Lake Power Partners II LLC | | | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | | | | | |
| | Wayne, IA | | | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | | | | | |
| | Wilcox Hills, Nobles, 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 | | | | | |
| | WINDOM WIND FARM, Centinwood 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 | | | | | |
| | AJP 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 | | | | | |
| | Hytrogen 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 | | | | | |
| | IMC 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 | | | | | |
| | JunEnergy 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 | | | | | |
| | Mendon 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 | | | | | |
| | ND&E 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 | | | | | |
| | 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 | | | | | |
| | Power Dukes 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 | | | | | |
| | 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 | | | | | |
| | 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 | | | | | |
| | 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 | | | | | |
| | 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 | | | | | |
| | Amesex Hydro Variants, IA | | | 1.95 | Term of contract not provided | | | | | | | | | | | | | | | |
| | City of Cedar Rapids Hydro, Linn Co IA | | | 2.1 | Term of contract not provided | | | | | | | | | | | | | | | |
| | Michell Mill Hydro LLC, Mitchell IA | | | 1 | Term of contract not provided | | | | | | | | | | | | | | | |
| | Modern Hydro, Butler IA | | | 0.4 | Term of contract not provided | | | | | | | | | | | | | | | |
| | Otomaza Water, Wapello IA | | | 3.25 | Term of contract not provided | | | | | | | | | | | | | | | |
| | B.F.C. BioBee Biofuels, Linn Co IA | | | 7 | | | | | | | | | | | | | | | | |
| | Therland, Linn Co IA | | | 0.007 | Term of contract not available | | | | | | | | | | | | | | | |
| | total | | | 692.9 | 684.2 | 675.7 | 675.7 | 672.1 | 670.6 | 670.6 | 264.6 | 264.6 | 264.6 | 259.9 | 210.9 | 115.6 | 114.0 | 114.0 | 144.0 | 72.7 |

Consolidated Response to DCC 009
 7/11/2010 Item F - Firm Participates Summary

| 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 | 7 | | | | | | | | | |
| | GRE | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 | | | | | | | | | |
| | Munichya Hydro | 60 | 60 | 30 | 60 | 30 | 60 | 30 | 30 | 30 | | | | | | | | | | | |
| | total | 97 | 97 | 67 | 97 | 97 | 67 | 67 | 67 | 67 | 37 | 7 | | | | | | | | | |

| Consolidated Response to DCC 0030 7510510 Item E - Fuel Purchase - Summary | | | | | | | | | | | | | | | | | | | | |
|---|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| Participant Utility | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
| New Ulm /1 | Contract | | | | | | | | | | | | | | | | | | | |
| | None | | | | | | | | | | | | | | | | | | | |

1

| Considered Reports to POC 01/19 9600310 Item E - Item Purchases Summary | | | | | | | | | | | | | | | | | | | | | |
|--|----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 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 | | | | | | | | | | | | | | | | | | | | |

Discrepancies in Existing Supply Units by Utility

Minnesota Power

Units not listed in IR 39:

| |
|---|
| Boise Cascade #1-3,5 |
| International Falls #1-7 |
| Silver Bay Power #3-6 |
| Gordon #3-6 |
| Solon Diesel #1-8 |
| Clay Boswell D4 (1 MW nameplate Diesel) |
| SAPPI Cloquet GEN #3-4 |
| SAPPI Cloquet HGN #1, 5,6 |

SMPA

Units not listed in IR 39:

| |
|--------------------------|
| Austin DT #1-5 |
| Austin Southwest #1-5 |
| Blooming Prairie #1, 3-4 |

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|------|
| OWEF |
|------|

GRE

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|------------------|
| Stanton Diesel |
| Lakefield Diesel |

CMPA

Units not listed in IR 39:

| |
|---------------|
| Glencoe #5-6 |
| Sleepy Eye #3 |
| Mt. Lake Wind |

MRES

Units not listed in IR 39:

| |
|-------------|
| Rock Rapids |
|-------------|

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|-----------------|
| Moorhead 8, 9 |
| Exira Station 3 |

OTP

Units not listed in IR 39:

| |
|----------------------|
| Fleet Farm Diesel |
| Kindred School |
| State Auto Insurance |
| Perham Incinerator |
| Stevens |
| Dakota Magic |
| Hendricks Wind |
| Valley Queen #1-3 |

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|--------------|
| Langdon Wind |
|--------------|

Rochester Public Utilities

Units not listed in IR 39:

| |
|----------------------|
| Rochester Hydro #1-2 |
|----------------------|

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|-------------------|
| Lake Zumbro Hydro |
|-------------------|

Dairyland (GEN~SYS)

Units not listed in IR 39:

| |
|-----------------|
| Arcadia 1-9 |
| Argyle HYD |
| Argyle 4 |
| Cashton 3,5-6 |
| Cumberland 1-8 |
| Elroy 1,2,5 |
| Fennimore 1-5 |
| Forest City 1-6 |
| La Farge 1 |
| Lanesboro 1,4-5 |
| Merrillan 1,2 |

| |
|----------------------|
| New Lisbon 2, 5-7 |
| Viola |
| Adams Wind Farm |
| Timberline Trail 1-4 |
| Central Disposal 1-6 |

Xcel

Units not listed in IR 39:

| |
|---------------------|
| City of Hasting 1,2 |
|---------------------|

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|-----------|
| Hayward |
| Riverdale |

WPP

Units not listed in IR 39:

| |
|----------------------|
| River Falls 5-7,9-10 |
|----------------------|

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|-----------------------------|
| Island Street Peaking Plant |
| South Fond du Lac 1,2 |

IPL (checked with 2005 IRP)

Units not listed in IR 39

| |
|------------------------------|
| Fox Lake #4 |
| Centerville Diesel #2 and #3 |

IPL's Hydro Units were listed in terms of Energy Output instead of Capacity Value.

Minnkota

Units in IR 39, not listed in 2007 MAPP L&C:

| |
|------------------|
| Grand Forks 1,10 |
| Arthur 1-2 |
| Butler 1 |
| Reed 1-6 |
| Shanley 1 |
| Oxbow 1-2 |

| |
|-------------|
| Valley City |
| Petersburg |

Discrepancies in Planned Additions

Xcel

| |
|--|
| The Highbridge retirement appears to be listed twice |
| The capacity addition for Riverside is listed as 439 MW in IR 39, and 508 in Xcel's IRP. |

Dairyland

The following additions, which are listed in the L&C Report, are not listed for Dairyland in IR 39:

| |
|-------------------------------|
| Sorona Landfill |
| McNeilus Wind Farm 3 |
| Iowa Coal |
| DPC CT 1-3 |
| Wind Farm 4-6 |
| Timberline Trail Landfill 5-6 |
| Seven Mile Creek 4-6 |
| Sorona Landfill 4-5 |
| Meth Digester 6-23 |

Discrepancies in Capacity Purchases

Differences with MAPP

MP

| |
|--|
| WPS – MAPP lists nothing after 2007 |
| Williams – MAPP lists nothing after 2007 |
| Oliver Wind 1 and 2, Laurentian, OPG, RFP Wind, Wing River C-BED not on MAPP |
| FPL on MAPP, not on IR 39 |

SMMPA

| |
|----------------------------|
| Manitoba Hydro not on MAPP |
|----------------------------|

CMMPA

| |
|--|
| MAPP lists nothing after 2009 |
| Hancock Wind, Blue Breeze, Wolf Wind, Glencoe Landfill not on MAPP |

Dairyland

Wind and Landfill purchases not on MAPP

GRE

NSP (Dynergy) not on MAPP
Wind not on MAPP
BEPL and MOLK on MAPP not on IR 39

OTP

Dakota Magic, State Auto, Fleet Farm, Kindred School, Perham Inc., Stevens Comm., Valley QC, GRE, Xcel, wind and biomass purchases not on MAPP.

Xcel

GRE - 50 MW to 2010
L.S. Power, St. Paul, Calpine Mankato, Manitoba Hydro (500), Cyprus, Constellation, MinnKota, have capacity values for 2007-2009 on MAPP
Invenergy has a 301 MW capacity for 2008-2009 on MAPP
Non-Utility Group, Laurentian, Fibro Minn, Short Term, Generic PPA, Manitoba Hydro Baseload, MMP and MinnKota, not on MAPP
Wind not on MAPP
Ameren, Byllesby, Chippewa Reserve, Dynergy, HERC, LP/Flying Cloud, LP/Pine Bend, MN Methane, Neshonoc, Rapidan, St. Cloud Hydro on MAPP, not on IR 39.

WPP

Purchases in IR 39 not on MAPP
MAIN purchases on MAPP not on IR 39

MinnKota

Langdon Wind not on MAPP

Rochester

SMMPA and Olmstead County purchase not on MAPP

- Non Public Document – Contains Trade Secret Data
- Public Document – Trade Secret Data Excised
- Public Document

Xcel Energy

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

Response To: Steve Rakow Information Request No. 39 First Supp.
MN Department of Commerce

Date Received: December 18, 2007

Original 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.

Original 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.

FIRST SUPPLEMENTAL RESPONSE:

Supplemental Excel Spreadsheets

Attached to this first supplemental response are the following new Excel spreadsheets as requested by the Department of Commerce Office of Energy Security (“OES”).

- seasonal firm purchases
- seasonal firm sales
- participation purchases
- seasonal participation sales
- load and generation capacity,

In addition, a spreadsheet providing renewable energy purchases is included. Renewable purchases are not reported as firm or participation purchases in the Mid-Continent Area Power Pool (“MAPP”) submittals from the utilities.

Applicants note that with respect to data provided for Wisconsin Public Power Inc. (“WPPI”), part of WPPI load is subject MAPP Generation Reserve Sharing Pool (“GRSP”) requirements and part is subject to Mid-American Interconnected Network (“MAIN”) requirements. WPPI assembles separate load and capability reports for each region. Firmness in MAPP and MAIN are basically similar in nature.

Revised Excel Spreadsheets

In addition to the supplemental Excel spreadsheets identified above, Applicants are producing amended “Firm Purchases” and/or “Owned Generation” spreadsheets to

provide additional information that either clarifies or corrects certain differences between information provided in their prior response to OES Information Request No. 39 and information provided in the 2007 MAPP Load and Capability Report. The below-listed amended spreadsheets are attached for the following utilities:

- Dairyland Power Cooperative (“Dairyland”): amended “Owned Generation” spreadsheet and amended “Firm Purchases” spreadsheet.
- Southern Minnesota Municipal Power Agency (“SMMPA”): amended “Owned Generation” spreadsheet and amended “Firm Purchases” spreadsheet.
- Missouri River Energy Services (“MRES”): amended “Owned Generation” spreadsheet.
- Interstate Power and Light (“IPL”): amended “Owned Generation” spreadsheet.
- Xcel Energy: amended “Firm Purchases” spreadsheet only.

The changes that have been made to these spreadsheets, except for Dairyland’s amended “Firm Purchases” spreadsheet, are highlighted. Further explanation of differences, if any, between the purchases and generation resources that are listed in response to OES Information Request No. 39 and the purchases and generation listed by the utilities in the 2007 MAPP Load and Capability Report is provided below.

FIRM PURCHASES

The differences between the firm purchases listed in the 2007 MAPP Load and Capability Report and in response to OES Information Request No. 39 are described in this section.

Great River Energy:

The Great River Energy summer capacity purchase from NSP (Dynergy) is shown in the 2007 MAPP Load and Capability Report in the monthly load and capability data (pages II-52 and II-54) but is not shown in the seasonal load and capability data (page III-36). Great River Energy inadvertently omitted the NSP (Dynergy) purchase in the seasonal load and capability data, resulting in the discrepancy.

The purchase from Basin Electric Power Cooperative (“BEPC”) in the MAPP seasonal load and capability data is shown as “All Fixing Members Growth” in Great

River Energy's response to OES Information Request No. 39. The megawatt difference is the result of updated estimates of future supply to "fixed" member distribution cooperatives served by BEPC.

MOLK in the 2007 MAPP Load and Capability Report is shown as "Moose Lake Municipal" in the "Firm Purchases" response to OES Information Request No. 39.

Great River Energy does not show wind generation as purchases for MAPP reporting. The wind facilities are shown as Great River Energy generation.

SMMPA:

The Manitoba Hydro purchases were provided in response to OES Information Request No. 39 but are not included in the 2007 MAPP Load and Capability Report, which shows data from 2006, because SMMPA's Manitoba Hydro contract was not completed and signed at that time. In the 2008 MAPP filing (in process and covering 2007 data) the Manitoba Hydro is included. With regard to the OWEF purchase, it was not listed on the 2007 MAPP Load and Capability Report and was inadvertently omitted from the 2008 (current) MAPP filing. SMMPA has provided the corrected tables for the 2008 MAPP filing and the current MAPP Load and Capability Report will have those included. The data added is consistent with the OWEF purchase listed in SMMPA's amended "Firm Purchases" spreadsheet attached hereto.

Otter Tail Power Company ("OTP"):

With respect to the GRE unit and Xcel unit information that OTP provided in response to OES Information Request No. 39 on its "Firm Purchases" spreadsheet, these purchases were made after the publication of the 2007 MAPP Load and Capability Report and, therefore, were not included in that Report.

See OTP's response in the below "Owned Generation" section regarding OTP's inclusion of the following generation units on the "Firm Purchases" spreadsheet in response to OES's Information Request No. 39 and the exclusion of these units on the 2007 MAPP Load and Capability Report: Fleet Farm Diesel, Kindred School, State Auto Insurance, Perham Incinerator, Stevens Community, Dakota Magic, and Valley Queen Cheese.

Dairyland:

The wind and landfill purchases that Dairyland listed in response to OES Information Request No. 39 are existing projects or projects that have ongoing negotiations. The projects listed in the planned new generation section of the 2007 MAPP Load and Capability Report includes those projects identified in response to OES Information

Request No. 39 as well as projects that are more speculative in nature and, therefore, were not included in response to OES Information Request No. 39.

Rochester Public Utilities (“RPU”):

RPU is a partial requirements member of SMMPA, which provides RPU with 216 MW of capacity and reserve share to serve RPU load up to 216 MW. RPU is then responsible for either generating or buying capacity on the MISO market to serve the portion of RPU load above 216 MW. RPU’s information in the 2007 MAPP Load and Capability Report reflects only the load and purchases for RPU’s load above 216 MW, therefore the SMMPA purchase was not included in the 2007 MAPP Load and Capability Report. The Olmsted County purchases is a behind-the-meter program and is not accredited, therefore these would not be listed in the 2007 MAPP Load and Capability Report.

Minnesota Power:

The following purchases were provided in response to OES Information Request No. 39 but do not appear as such in the 2007 MAPP Load and Capability Report for the following reasons: Oliver 1 is the same as the FPL purchases which were listed on the MAPP Report; Oliver 2 came on-line in late 2007, after publication of the MAPP Report; Wing River came on-line in August 2007, after publication of the MAPP Report, the Laurentian PPA was executed after the 2007 MAPP Report; OPG (Ontario Power Generation) was not reported on MAPP because it is sourced from a different market; and RFP Wind is a potential future purchase, but not yet executed or approved by the Minnesota Public Utilities Commission (“Commission”).

No information regarding the Williams purchases after 2007 is provided in response to Information Request No. 39 because Williams was a 2007 summer capacity deal that ended in October 2007.

Information regarding the WPS purchase is provided through 2010 in the response to Information Request No. 39 because this PPA currently only goes through 2010.

Minnkota Power Company (“Minnkota”):

The Langdon Wind purchase listed in response to OES Information Request No. 39 was not included in the 2007 MAPP Load and Capability Report because the Langdon Wind project was not operational until December 2007, after the MAPP Report was published, and transmission study work was still being done to determine whether and when the Langdon Wind project would go on-line.

WPPI:

All of the purchases reported in response to OES Information Request No. 39 were WPPI purchases. In the 2007 MAPP Load and Capability reporting process WPPI did not report any of these specific purchases to MAPP; instead, WPPI recorded a transfer of capacity from WPPI-MAIN to MAPP. The WPPI-MAIN resource is not a specific resource, instead it is a composite of resources that WPPI has in MAIN.

Central Minnesota Municipal Power Agency (“CMMPA”):

The following CMMPA purchases were not listed in the 2007 MAPP Load and Capability Report for the following reasons: Glencoe’s Landfill unit was not online in 2007. The Hancock and Wolf wind was sold into the MISO RT market and is not accredited. Blue Breezes is located behind-the-meter and is also not accredited. No information is provided for the Ameren purchases listed in response to OES Information Request No. 39, because the contract ends December 31, 2009.

Xcel Energy:

The following purchases were not listed in the 2007 MAPP Load and Capability Report for the following reasons: The “Non-Utility Group” is an aggregate of purchases from small IPPs including Byllesby, Chippewa Reserve, HERC, LP/Flying Cloud, LP/Pine Bend, MN Methane, Neshonoc, Rapidan, and St Cloud Hydro. Short Term purchases is an aggregate. Generic PPA is not yet determined. Laurentian, FibroMinn, and MMP(A) were inadvertently omitted. Manitoba Hydro Baseload was not under consideration when the MAPP Report was filed. Minnkota is shown on the MAPP Report as Minnkota Power Coop. Wind is shown as owned generation per MAPP GRSP rules.

The Ameren and Dynegy purchases on the 2007 MAPP Load and Capability Report were not included in Xcel Energy’s response to OES Information Request No. 39 because these were purchases that were resold to other utilities and, thus, had no impact on Xcel Energy. MAPP, however, tracks all ins and outs if a member is involved.

The capacity values associated with the following purchases was inadvertently omitted from Xcel Energy’s “Firm Purchases” spreadsheet provided in response to OES Information Request No. 39: L.S. Power, St. Paul, Calpine Mankato, Manitoba Hydro (500), Cyprus, Constellation, and Minnkota. (Calpine and Mankato refer to the same purchase and should not appear as different purchases.) The difference in megawatts between Xcel Energy’s response to OES Information Request No. 39 and the 2007

MAPP Load and Capability Report is due to changes in URGE ratings. An amended “Firm Purchases” spreadsheet for Xcel Energy is attached hereto.

OWNED GENERATION RESOURCES

The differences between generation resources listed on the 2007 MAPP L&C (or in the case of IPL, its 2005 Integrated Resource Plan) and in the response to OES Information Request No. 39 are described in this section. A chart listing those differences is attached.

Minnesota Power:

For Minnesota Power, with respect to the Clay Boswell D4 unit representing 1 MW of nameplate capacity provided in the 2007 MAPP Load and Capability Report, that 1 MW is included within the Boswell Energy Center information provided in response to the OES Information Request No. 39. The remaining generating units that Minnesota Power listed in the 2007 MAPP Load and Capability Report (but did not list in response to Information Request No. 39) are under the category of pool-within-pool or non-utility generators, also referred to as coincident net load. Minnesota Power, as part of MAPP, has the right to call on these generators during peak times. OES Information Request No. 39 only asked for utility-owned and utility firm purchases, and the units listed in the 2007 MAPP Load and Capability Report, but not listed in response to OES Information Request No. 39, do not meet that definition.

SMMPA:

For SMMPA, the Austin DT units, owned existing generation resources, and the Austin SW units, retired generation resources, all of which are listed in the 2007 MAPP Load and Capability Report, were inadvertently omitted from the “Owned Generation” spreadsheet provided in response to OES Information Request No. 39. Blooming Prairie Units 3 and 4 are no longer under contract and therefore were not and should not be included in response to OES Information Request No. 39. The output from the OWEF facility, which was listed in response to OES Information Request No. 39 in the “Owned Generation” spreadsheet but not included in the 2007 MAPP Load and Capability Report, is contracted to SMMPA, but the unit is owned by Olmsted County. Therefore it would have been more appropriate to list the OWEF facility in the “Firm Purchases Summer” spreadsheet provided in response to OES Information Request No. 39.

An amended “Owned Generation” spreadsheet including the Austin DT units and the Austin SW units and omitting the OWEF facility is attached. An amended “Firm Purchases” spreadsheet including the OWEF facility is attached.

Great River Energy:

For Great River Energy, the Stanton Diesel was listed in response to OES Information Request No. 39 and was reported to MAPP on forms reporting the results of the annual URGE test. The Stanton Diesel has a capacity of 1 MW. In the 2007 MAPP Load and Capability Report, the Stanton Station is reported as having a capacity rating of 187.7 MW for the steam generator. The Lakefield Diesel, which is listed in response to the Department's Information Request No. 39, is listed as "Lakefield 7 (DFO)" on page IV-16 of the 2007 MAPP Load and Capability Report.

CMMPA:

For CMMPA, the following generator units were not listed in response to OES Information Request No. 39 for the following reasons. Glencoe 5 and 6 were retired in late 2007. Sleepy Eye 3 was retired in late 2007. Mt. Lake Wind's turbine was not running in summer 2007, and because OES Information Request No. 39 responses were based on summer season generating capacity, this wind turbine was not included in the response.

MRES:

For MRES, Exira Station 3 was listed in the 2007 MAPP Load and Capability Report under Planned New Generators. Moorhead 8 and 9 were submitted to be included in the 2007 MAPP Load and Capability Report, however, because these are wind units that MRES does not own and do not accredit, MAPP chose not to publish them in the Load and Capability Report. With respect to Rock Rapids, this facility was inadvertently omitted from MRES's response to OES Information Request No. 39. A revised "Owned Generation" spreadsheet is attached.

OTP:

For OTP, the differences between the information provided in the 2007 MAPP Load and Capability Report and in response to the OES Information Request No. 39 relate to timing and the manner in which the OES asked the question. The 2007 MAPP Load and Capability data was submitted months before the report was publicly due. At that point in time the Langdon Wind Energy Center development, which was listed in response to OES Information Request No. 39, had not yet been finalized from a contractual perspective. It was not included in the MAPP data because the project had not yet been committed to or was even in the firm planning stages.

The rest of the discrepancies are because of the manner in which the OES requested data. The first spreadsheet requested "Firm Purchases." This terminology has a specific definition within MAPP. It is used to designate transactions where the seller

provides reserves. It is handled differently than other transactions. The 2007 MAPP Load and Capability Report lists Fleet Farm Diesel, Kindred School, State Auto Insurance, Perham Incinerator, Stevens Community, Dakota Magic, and Valley Queen Cheese as units. These are in reality “Participation Purchases” where the seller does not provide reserves. OTP listed these purchases in the “Firm Purchases” spreadsheet attached to the response to OES Information Request No. 39, so the data was present. These are not listed as transactions in the MAPP data, because the ratings change annually in accordance with accreditation testing procedures. The MAPP processes for transactions were not sufficient to handle these units, so they are listed as OTP units with MAPP. The data was provided on these facilities.

The other OES spreadsheet attached to OES Information Request No. 39 asked for “Owned Facilities” and the rest of the missing facilities were not owned by OTP and could not be quantified as a firm or participation purchase. These facilities include the Hendricks Wind I (0.900 MW nameplate) and the Borderline Wind I (0.900 MW nameplate). The Borderline Wind I unit is not included in the MAPP Report, because at the time the data was submitted for the report the accredited level for this facility was determined after-the-fact. OTP did not include the 19.5 MW FPL Energy Langdon Wind Energy Center purchase, again because it is not a company owned facility and is neither a participation or firm purchase. It was not included in the MAPP data either because the project status had not yet been determined.

OTP has other facilities from which it receives energy in limited amounts or only occasionally. These facilities are not accredited in MAPP either because of small size or because the owner used some or most of the energy on-site and the remaining deliveries to OTP are not sufficient to justify firm transmission for capacity accreditation. These would include the EMS wind turbine (90 kW nameplate), Lac Qui Parle Valley School wind turbine (220 kW nameplate), UM-Morris Wind (1.65 MW nameplate), Trautman Wind (50 kW nameplate), Tuel Wind (39.5 kW nameplate), Southwest MN Community and Technical College wind (35 kW), and Spirit Lake Casino wind (100 kW).

RPU:

For RPU, “Lake Zumbro Hydro” listed in response to OES Information Request No. 39 refers to the same facility as “Rochester Hydro #1 & 2” listed in the 2007 MAPP Load and Capability Report; different names were inadvertently used to refer to the same hydro facility.

Dairyland:

The generator facilities listed below were not listed in response to OES Information Request No. 39 as owned generation because they are owned by municipalities that are served by Dairyland. The municipalities own the generator, provide their own capacity and purchase their energy from Dairyland. Dairyland also accredits the municipal capacity as its own for use as planning reserves.

Arcadia 1-9
Argyle HYD
Argyle 4
Cashton 3,5-6
Cumberland 1-8
Elroy 1,2,5
Fennimore 1-5
Forest City 1-6
La Farge 1
Lanesboro 1,4-5
Merrillan 1,2
New Lisbon 2, 5-7
Viola

The following projects are found in the “Firm Purchases” spreadsheet provided by Dairyland in response to OES Information Request No. 39: Adams Wind Farm, Timberline Trail 1-4, and Central Disposal 1-6.

The 2007 MAPP Load and Capability Report contains the following planned generator additions, which were not listed as such in Dairyland’s response to OES Information Request No. 39:

Sorona Landfill
McNeilus Wind Farm 3
Iowa Coal
DPC CT 1-3
Wind Farm 4-6
Timberline Trail Landfill 5-6
Seven Mile Creek 4-6
Sorona Landfill 4-5
Meth Digester 6-23

A number of the above-listed facilities are included in Dairyland’s response to the OES Information Request No. 39 with a different title than those used in the 2007

MAPP Report. In addition, there are several projects that were inadvertently omitted from Dairyland's response to OES Information Request No. 39 such as the Iowa Coal, DPC CT 1-3 and the Methane Digesters. The "Firm Purchases" and the "Owned Generation" spreadsheets provided by Dairyland in response to Information Request No. 39 have been updated to reflect the projects found in the 2007 MAPP Load and Capability Report and are attached hereto.

Xcel Energy:

For Xcel Energy, the small hydro facilities at Hayward and Riverdale, which were included in response to OES Information Request No. 39, were inadvertently omitted from the 2007 MAPP Load & Capability Report. The Hastings hydro-electric generation is owned by the City of Hastings. Xcel Energy contracts for the output of the facility. Under MAPP reporting requirements, however, this run-of-river hydro facility is reported as owned generation instead of a purchased power transaction.

Xcel Energy inadvertently listed the High Bridge retirement twice on its "Owned Generation" spreadsheet in its original response to this information request. The response to the OES's Information Request No. 39 should be limited to 271 MW retired with respect to High Bridge. Also, the correct capacity addition for Riverside is 508 MW and not 439 MW.

WPPI

WPPI reports load in both MAIN and MAPP for planning reserve purposes. MAPP load makes up less than 10 percent of WPPI's total load. The response to the OES Information Request No. 39 contained resources that are used for both MAIN and MAPP planning reserve purposes. Neither Island Street nor South Fond du Lac are generation resources used for MAPP planning reserves purposes.

River Falls 5-7-9-10 have been historically reported to MAPP as generation units. The units are owned by the Rivers Falls municipal and WPPI has a purchase contract with River Falls for the capacity associated with the units. In response to OES Information Request No. 39, WPPI did not report the River Falls units as owned since WPPI does not own the units. Also, WPPI did not report the units as a purchase since they have been historically shown in the MAPP Load and Capability Reports as generation and not as purchases.

IPL:

For IPL, Centerville Diesel units 2 and 3 were inadvertently omitted from IPL's response to OES Information Request No. 39. What is identified as "Fox Lake 4" on the attached list of variations for IPL is listed as "Fox Lake Gas Turbine" in response

to OES Information Request No. 39. An amended "Owned Generation" spreadsheet including the Centerville Diesel units 2 and 3 and reflecting the accurate name of "Fox Lake Gas Turbine" as "Fox Lake Combustion Turbine" is attached hereto. Also, please note that the information provided in response to OES Information Request No. 39 was from IPL's 2007 submission, and not its 2005 submission, to the OES as part of the Minn. R. ch. 7610 requirement. This fact does not change the units that were listed in response to OES Information Request No. 39 but some of the megawatt values for the units are different because of different reporting years.

Minnkota:

For Minnkota, the following generation units listed in response to OES Information Request No. 39 were inadvertently omitted from the 2007 MAPP Load and Capability Report: Grand Forks 1, 10; Arthur 1-2; Butler 1; Reed 1-6; Shanley 1; Oxbow 1-2; Valley City; and Petersburg. Minnkota will ensure the inclusion of these generation units in future MAPP reportings.

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

FIRST SUPPLEMENTAL RESPONSE

Response By: Matt Lacey
Title: Regulatory Policy Specialist
Department: Transmission
Company: Great River Energy
Telephone: 763-241-2223
Date: April 19, 2008

Response By: Jim Alders
Title: Manager Regulatory Projects
Department: Government and Regulatory Affairs
Company: Xcel Energy
Telephone: 612-330-6732
Date: April 19, 2008

Response By: Charles A. Thompson
Title: Manager of Siting and Regulatory Affairs
Department: Siting and Regulatory Affairs
Company: Dairyland Power Cooperative
Telephone: 608-787-1432
Date: April 19, 2008

Response By: Larry Johnston
Title: Director of Corporate Development, Agency Relations, and Officer
Department: Regulatory Affairs
Company: Southern Minnesota Municipal Power Agency
Telephone: 507-292-6440
Date: April 19, 2008

Response By: Harvey McMahon
Company: Otter Tail Power Company
Telephone: 218-739-8425
Date: April 19, 2008

Response By: Scott Nickels
Title: Senior Electrical Engineer
Department: N/A
Company: Rochester Public Utilities
Telephone: 507-273-5061
Date: April 19, 2008

Response By: David Moeller
Title: Attorney
Department: Minnesota Power Legal Services
Company: Minnesota Power
Telephone: 218-723-3963
Date: April 19, 2008

Response By: Dale Sollum
Title: Planning Manger
Department: Planning
Company: Minnkota Power Cooperative
Telephone: 701-795-4315
Date: April 19, 2008

Response By: Peter Shatrawka
Title: Director of Planning
Company: Wisconsin Public Power Inc.
Telephone: 608-834-4595
Date: April 19, 2008

Response By: Andrew Lucero and Andy Ristau
Title: Lucero Consulting LLC
Department: N/A
Company: Central Minnesota Municipal Power Agency
Telephone: 218-721-4034
Date: April 19, 2008

Response By: Jerry Tielke
Title: Manager
Department: Operations
Company: Missouri River Energy Services
Telephone: 605-338-4042
Date: April 19, 2008

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DOC 39 First Supplement

List of Variations in Generation Unit Information

| | Units Listed in IR 39 and NOT Listed in 2007 MAPP Load & Capability Report | Units Listed in 2007 MAPP Load & Capability Report and NOT Listed in IR 39 |
|-----------------------------------|---|--|
| MP | | Boise Cascade #1-3,5 International Falls #1-7 Silver Bay Power #3-6 Gordon #3-6 Solon Diesel #1-8 Clay Boswell D4 (1 MW nameplate Diesel) SAPPI Cloquet GEN #3-4 SAPPI Cloquet HGN #1, 5,6 |
| SMMPA | OWEF | Austin DT #1-5 Austin Southwest #1-5 Blooming Prairie #1, 3-4 |
| GRE | Stanton Diesel Lakefield Diesel | |
| CMMPA | | Glencoe #5-6 Sleepy Eye #3 Mt. Lake Wind |
| MRES | Moorhead 8, 9 Exira Station 3 | Rock Rapids |
| OTP | Langdon Wind | Fleet Farm Diesel Kindred School State Auto Insurance Perham Incinerator Stevens Dakota Magic Hendricks Wind Valley Queen #1-3 |
| Rochester Public Utilities | Lake Zumbro Hydro | Rochester Hydro #1-2 |
| Dairyland (GEN-SYS) | | Arcadia 1-9 Argyle HYD Argyle 4 Cashton 3,5-6 Cumberland 1-8 Elroy 1,2,5 Fennimore 1-5 Forest City 1-6 La Farge 1 Lanesboro 1,4-5 Merrillan 1,2 New Lisbon 2, 5-7 Viola Adams Wind Farm Timberline Trail 1-4 Central Disposal 1-6 |

DOC 39 First Supplement

List of Variations in Generation Unit Information

| | Units Listed in IR 39 and NOT Listed in 2007 MAPP Load & Capability Report | Units Listed in 2007 MAPP Load & Capability Report and NOT Listed in IR 39 |
|--|---|---|
| Xcel Energy | Hayward Riverdale | City of Hasting 1,2 |
| WPP | Island Street Peaking Plant South Fond du Lac 1,2 | River Falls 5-7,9-10 |
| IPL (checked with 2005 IRP) | | Fox Lake #4 Centerville Diesel #2 and #3 |
| Minnkota | Grand Forks 1,10 Arthur 1-2 Butler 1 Reed 1-6 Shanley 1 Oxbow 1-2 Valley City Petersburg | |

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DOC 39 FIRST SUPPLEMENT (April 18, 2008)

REVISED 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 |
|--|-----------|----------|------------------|--------------------|----------------|
| IPL Owned Coal | | | | | |
| 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 |
| | | | | Subtotal | 901.4 |
| IPL Owned Oil | | | | | |
| Ames Diesel | 1 | 50010 | Story, IA | None provided | 0 |
| Ames Diesel | 2 | 50010 | Story, IA | None provided | 0 |
| Fox Lake Combustion 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 |
| Centerville Diesel | 2 | 52544 | Appanoose, IA | None provided | 2.1 |
| Centerville Diesel | 3 | 52544 | Appanoose, IA | None provided | 2.1 |
| 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 |
| | | | | Subtotal | 317.2 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---|-----------|----------|------------------|---------------------|--------------------|
| IPL Owned Gas | | | | | |
| 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 |
| | | | | Subtotal | 873.6 |
| IPL Owned Nuclear | | | | | |
| | | | | Subtotal | 0 |
| IPL Owned Wood/RDF/Biomass | | | | | |
| | | | | Subtotal | 0 |
| IPL Owned Hydro | | | | | |
| Anamosa Hydro | 1 | 52205 | Jones, IA | None Provided | 0.1 |
| Iowa Falls Hydro | 1 | 50126 | Hardin, IA | None Provided | 0 |
| Maquoketa Hydro | 1, 2 | 52060 | Jackson, IA | None Provided | 0.4 |
| | | | | Subtotal | 0.5 |
| IPL Owned Wind | | | | | |
| | | | | Subtotal | 0 |
| TOTAL EXISTING GENERATION | | | | | 2092.7 |
| GENERATION ADDITIONS AND RETIREMENTS | | | | | |
| Additions | 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 |
| Retirements | Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
| | | | | | |

DOC 39 FIRST SUPPLEMENT (April 18, 2008)

REVISED 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 |
|------------------|-----------------|----------|------------------|--------------------|--------------|
| SMMPA Owned Coal | Sherco 3 | 55308 | Sherburne | 5% | 362.4 |
| | Austin NE | 55912 | Mower | N/A | 29.5 |
| | Subtotal | | | | 391.9 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------|--------------------|----------|------------------|--------------------|-------------|
| SMMPA Owned Oil | 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 | |
| Subtotal | | | | 47.8 | |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|-----------------|----------------|----------|------------------|--------------------|-------------|
| SMMPA Owned Gas | Austin DT 2 | 55912 | Mower | N/A | 3.6 |
| | Austin DT 3 | 55912 | Mower | N/A | 8.7 |
| | Austin DT 4 | 55912 | Mower | N/A | 12.2 |
| | Austin DT 5 | 55912 | Mower | N/A | 5.1 |
| | 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 |
| Subtotal | | | | 156.7 |

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

| Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|--------------------------|----------|------------------|--------------------|-------------|
| SMMPA Owned Hydro | | | | |
| | | | | |
| Subtotal | | | | |

| Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------------------|----------|------------------|--------------------|------------------|
| SMMPA Owned Wind | | | | |
| 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 |
| Subtotal | | | | 8.6 |
| TOTAL EXISTING GENERATION | | | | 598.4 |

SMMPA GENERATION ADDITIONS AND RETIREMENTS

| Additions | | | | | |
|--------------------|----------|------------------|---------------------|--------------------|--|
| Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity | |
| Wind-1 | TBD | TBD | 2010 | 60 | |
| Wind-2 | TBD | TBD | 2012 | 60 | |
| Wind-3 | TBD | TBD | 2016 | 75 | |
| Wind-4 | TBD | TBD | 2020 | 55 | |
| Wind-5 | 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 | |
| Retirements | | | | | |
| Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction | |
| Austin SW-1 | 55912 | Mower | 2006 | 2 | |
| Austin SW-2 | 55912 | Mower | 2006 | 2 | |
| Austin SW-3 | 55912 | Mower | 2006 | 2 | |
| Austin SW-4 | 55912 | Mower | 2006 | 2 | |
| Austin SW-5 | 55912 | Mower | 2006 | 2 | |
| Subtotal | | | | 10 | |

DOC 0039 CONSOLIDATED ATTACHMENT

REVISED 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 |
|-----------------|-----------------------|----------|------------------|--------------------|-------------|
| MRES Owned Coal | Laramie River Station | 82001 | Platte, WY | 0.1 | 284 |
| | | | | | |
| | | | | Subtotal | 284 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------|-------------------------|----------|------------------------|--------------------|--------------|
| MRES Owned Oil | 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 | Trail, ND | | 2 |
| | Hillsboro 2 | 58045 | Trail, 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 |
| | Rock Rapids 1 | 51246 | Lyon County, IA | | 2.5 |
| | 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 |
| | | | | Subtotal | 166.9 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|----------------|-----------------|----------|------------------|--------------------|--------------|
| MRES Owned Gas | 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 |
| | | | | Subtotal | 140.0 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---|--------------------------------------|----------|------------------------|---------------------|--------------------|
| MRES Owned Wood/RDF/Biomass | | | | | |
| | | | | | |
| | Subtotal | | | | 0 |
| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
| MRES Owned Hydro | | | | | |
| | | | | | |
| | Subtotal | | | | 0 |
| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Capacity |
| MRES Owned Wind | 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) ¹ | | | | 3.7 |
| Subtotal | | | | 3.7 | |
| Note ¹ : These units are not accredited because they offset local load | | | | | |
| TOTAL EXISTING GENERATION | | | | | 594.6 |
| GENERATION ADDITIONS AND RETIREMENTS | | | | | |
| Additions | Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
| | | | | | |
| | | | | | |
| Retirements | 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 |
| Subtotal | | | | 8.3 | |

**DOC 0039 CONSOLIDATED ATTACHMENT
REVISED 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 |
|----------------------|-------------------|----------|--------------------|--------------------|--------------|
| Dairyland Owned Coal | 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 |
| | | | Subtotal | | 936.8 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | URGE Rating |
|---------------------|-----------|----------|------------------|--------------------|-------------|
| Dairyland Owned Oil | | | | | |
| | | | | | |
| | | | | | |
| | | | Subtotal | | 0 |

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

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

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Accredited Capacity |
|-------------------------|---------------------------------|----------|-------------------|--------------------|---------------------|
| Dairyland Owned Methane | 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 |
| | | | | | |
| | | | Subtotal | | 4.6 |

| | Unit Name | Zip Code | County and State | Forced Outage Rate | Nameplate Rating |
|----------------------|-----------|----------|------------------|----------------------------------|------------------|
| Dairyland Owned Wind | | | | | |
| | | | | | |
| | | | | | |
| | | | Subtotal | | 0 |
| | | | | TOTAL EXISTING GENERATION | 1037.3 |

GENERATION ADDITIONS AND RETIREMENTS

| Unit Name | Zip Code | County and State | Year of Addition | Expected Capacity |
|-------------------------------|----------|-----------------------|------------------|-------------------|
| Weston 4 | 54474 | Marathon, Wisconsin | 2008 | 150 |
| Seven Mile Creek Landfill (4) | 54701 | Eau Claire, Wisconsin | 2008 | 0.8 |
| Seven Mile Creek Landfill (5) | 54701 | Eau Claire, Wisconsin | 2012 | 0.7 |
| DPC CT 3 | | Service Area | 2011 | 100.0 |
| Iowa Coal | | | | |

| Unit Name | Zip Code | County and State | Year of Subtraction | Capacity Reduction |
|-----------|----------|------------------|---------------------|--------------------|
| | | | | |
| | | | | |
| | | | | |

DOC 39 FIRST SUPPLEMENT (April 18, 2008)

Consolidated First Supplement Response to DOC 39
7610.0310 Item E -- Firm Purchases Summary

| SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Participant Utility | | | | | | | | | | | | | | | | | | | | |
| Contract | | | | | | | | | | | | | | | | | | | | |
| Splic Block | | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Intachment | | 0 | 20 | 20 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Marathon Hydro | | 0 | 30 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OVER: | | 2 | 2 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | total | 47 | 52 | 57 | 57 | 57 | 57 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |

| KCE/ENERGY | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|-----------------------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| Purchased Utility | Windercrest Farms, Pipestone 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 |
| | Wardes v Wadman LLC, Pipestone Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.90 | 1.90 |
| | Windy Dog LLC, Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| | Wheat Spann, 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 |
| | Woodford, Wadman, 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 |
| Zandora Wadman, 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 | 1.90 |
| | total | 3807.9 | 2630.1 | 2354.1 | 4026.0 | 3766.0 | 3766.0 | 3974.6 | 4111.0 | 3996.0 | 4220.5 | 4292.5 | 4667.1 | 4890.8 | 4986.8 | 5122.8 | 788.1 | 786.3 | 700.8 | 689.7 |

Minn R. 7610.0310 Item E - Seasonal Firm Purchases - Summer

| Agency | Contact | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7610.0310 Item E - Firm Purchases SUMMER | | | | | | | | | | | | | | | | | | | | |
| Central Minnesota Municipal Power Agency | | | | | | | | | | | | | | | | | | | | |
| | City of Blue Earth | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| SMMPA | | | | | | | | | | | | | | | | | | | | |
| | 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 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Great River Energy | | | | | | | | | | | | | | | | | | | | |
| | WAPA (Kandiyohi) | 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 | 3.3 | 3.3 | 3.3 | 3.3 |
| | MHEB Diversity Exchange | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 | 150.0 |
| | 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 | 86.4 | 86.4 | 86.4 |
| | 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 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 | 130.0 |
| | MP | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| Oter 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 | 5.464 | 5.464 | 5.464 | 5.464 | 5.464 |
| Wisconsin Public Power, Inc. | | | | | | | | | | | | | | | | | | | | |
| | CTA-1 (Firm) | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 65.45 | 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 | 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 | 260.00 | 290.00 | 305.00 | 305.00 | 305.00 | 305.00 | 305.00 |
| | WEPCO PSA (Firm) | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 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 | 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 | 75.00 | 75.00 | 75.00 | 75.00 |
| | 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 | 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 | 50.00 | 50.00 |
| Minnesota Power Cooperative | | | | | | | | | | | | | | | | | | | | |
| | WAPA | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| Xcel Energy | | | | | | | | | | | | | | | | | | | | |
| | GRE | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| | WAPA | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | Manitoba 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| | Manitoba 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 | 200 |

DOC IR0039 (First Supp.)

Minn R. 7610.0310 Item E - Seasonal Firm Purchases - Summer

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Rochester Public Utilities | | | | | | | | | | | | | | | | | | | | |
| 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 | 216 |
| Minnesota Municipal Power Association (MMPA) Power Sales Contract ¹² | 0 | 15 | 20 | 25 | 35 | 40 | 50 | 60 | 75 | | | | | | | | | | | |
| Olmstead County Waste to Energy Facility, Olmstead Co MN ³ | 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) ³ | 0 | 0 | | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| ¹ The MMPA purchases are "buy-back" capacity of RPU owned assets at Silver Lake Plant currently under contract sale to MMPA ² The 2008 purchase from MMDA is a firm contract. Purchases indicated for 2009-2015 are potential firm. ³ 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. | | | | | | | | | | | | | | | | | | | | |
| Interstate Power and Light Company | | | | | | | | | | | | | | | | | | | | |
| Duane Arnold Energy Center #1 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | 406 | | | | | | | | | | | |
| Willmar WAPA | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Total | 2214 | 2299 | 2300 | 2105 | 2172 | 2212 | 2170 | 2218 | 1710 | 1516 | 1348 | 1368 | 1418 | 1446 | 1318 | 1023 | 1018 | 1012 | 728 | |
| *The figures shown for wind resources are 20 percent of nameplate. | | | | | | | | | | | | | | | | | | | | |

| Participant Utility | 7610.0310 Item E - Firm Sales SUMMER | | | | | | | | | | | | | | | | | | | | |
|---------------------|--------------------------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
| Minnesota Power | WPL (firm) | 75 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | SMMPA (firm) | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | GRE (firm) | 175 | 175 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dairyland Power | NSP/Xcel (firm) | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GRE | SRE (SMMPA) (firm) | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RPU | MMPA (Firm) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Total | 444 | 279 | 279 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Minnesota Power | | | | | | | | | | | | | | | | | | | |
| MHEB | 80 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | | | | | | | | |
| WPS | 75 | 50 | 100 | 50 | | | | | | | | | | | | | | | |
| Williams | 75 | 50 | | | | | | | | | | | | | | | | | |
| Constellation | 50 | | | | | | | | | | | | | | | | | | |
| OPG | 100 | | | | | | | | | | | | | | | | | | |
| Central Minnesota Municipal Power Agency | | | | | | | | | | | | | | | | | | | |
| Ameren | 13 | 13 | 10 | 13 | 13 | 10 | | | | | | | | | | | | | |
| Minnesota Municipal Power Agency | | | | | | | | | | | | | | | | | | | |
| Rochester Public Utilities | 100 | 50 | 50 | 50 | 25 | 25 | 25 | 25 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Manitoba Hydro | 60 | 60 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dairyland Power Cooperative | | | | | | | | | | | | | | | | | | | |
| Great River | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NSP | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 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 |
| 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 |
| 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 | 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 |
| Independence Diesels | 15.25 | 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 |
| Customer Generation | 18.90 | 18.59 | 18.59 | 16.52 | 16.52 | 16.52 | 16.34 | 15.57 | 15.57 | 15.57 | 15.59 | 15.59 | 15.59 | 15.59 | 15.59 | 15.59 | 15.59 | 15.59 | 15.59 |
| 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 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 | 83.30 |
| CECG Unit Firm Purchase | 11.00 | 50.00 | | | | | | | | | | | | | | | | | |
| Constellation Purchase | 55.00 | | | | | | | | | | | | | | | | | | |
| MGE Purchase | | | | | | | | | | | | | | | | | | | |

| 7610.0310 Item F - Participation Purchases SUMMER | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|---|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Contract | | | | | | | | | | | | | | | | | | | | | |
| Great River Energy | | | | | | | | | | | | | | | | | | | | | |
| | Elk River Municipal | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 10.3 | 9.8 | 9.8 | 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 | 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 | 172.3 |
| | Energy Alternatives Diesels | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| | 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 | 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 | 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 | 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 | 0.0 |
| Otter Tail Power Company | | | | | | | | | | | | | | | | | | | | | |
| | MPC | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | MHEB | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | W/PP | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 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 | 1.478 | 1.478 | 1.478 | 1.478 | 1.478 | 1.478 | 1.478 |
| | State Auto | 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 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| | Fleet Farm | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 0.736 | 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 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 | 1.985 |
| | Petham 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 | 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 | 0.95 | 0.95 |
| | Valley QC | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 | 4.642 |
| | GRE | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | XCEL | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minnkota Power Cooperative | | | | | | | | | | | | | | | | | | | | | |
| | Northern Municipal Power A | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |

| 7610.0310 Item F - Participation Purchases SUMMER | | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|--------------------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|
| Xcel Energy | Contract | | | | | | | | | | | | | | | | | | | |
| | L.S. Power | 0 | 0 | 0 | 245 | 245.1 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | 245 | | | | |
| | Non-Utility Group | 0 | 0 | 0 | 75 | 74.900002 | 74.900002 | 71 | 71.4 | 71.4 | 71.4 | 71.4 | 38 | 37.7 | 37.7 | 37.7 | | | | |
| | St. Paul | 0 | 0 | 0 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | | | | |
| | Laurentian | 0 | 0 | 0 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | | | | |
| | Fibero Minn | 0 | 0 | 0 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | | | | |
| | Calpine Mankato | 0 | 0 | 0 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | 312 | | | | |
| | Invernergy | 0 | 0 | 0 | 301 | 300.98669 | 300.98669 | 300.98671 | 300.987 | 300.987 | 300.987 | 300.987 | 300.987 | 300.987 | 300.987 | 300.987 | | | | |
| | Short Term | 0 | 0 | 0 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | 750 | | | | |
| | Genetic PPA | 0 | 0 | 0 | 136 | 136 | 136 | 348.5 | 484.5 | 484.5 | 484.5 | 1241 | 1649 | 1921 | 2057 | 2193 | | | | |
| | Manitoba Hydro | 0 | 0 | 0 | 500 | 500 | 500 | 500 | 500 | | | | | | | | | | | |
| | Manitoba Hydro Base Load | 0 | 0 | 0 | | | | | | 375 | 375 | 375 | 375 | 375 | 375 | 375 | | | | |
| | Cyprus | 0 | 0 | 0 | 40 | | | | | | | | | | | | | | | |
| | Constellation | 0 | 0 | 0 | 100 | | | | | | | | | | | | | | | |
| | MMPA | 0 | 0 | 0 | 10 | | | | | | | | | | | | | | | |
| | MinnKota | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | | | | | | | | | | |
| | Montana Dakota Utility | 0 | 0 | 0 | 110 | | | | | | | | | | | | | | | |
| | Willmar | | | | | | | | | | | | | | | | | | | |
| | GRE | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 | | | | | | | | | |
| | Manitoba Hydro | 60 | 60 | 30 | 60 | 60 | 30 | 30 | 30 | | | | | | | | | | | |
| | Total | 1531 | 1045 | 787 | 3507 | 3171 | 3107 | 3301 | 3437 | 3233 | 3543 | 3815 | 4106 | 4376 | 4512 | 4637 | 312 | 312 | 311 | 311 |

| Participant Utility | 7610.0310 Item F - Participation Sales SUMMER | | | | | | | | | | | | | | | | | | | |
|-------------------------------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
| Minnesota Power | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GenSys (part) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Xcel (part) | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heartland (part) | 28 | 28 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Heartland (part) | | | | | | | | | | | | | | | | | | | | |
| MMMPA | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RPU (part) | | | | | | | | | | | | | | | | | | | | |
| Dairyland Power | 171 | 171 | 171 | 171 | 171 | 171 | 171 | 171 | 171 | 171 | 171 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GRE (part) | | | | | | | | | | | | | | | | | | | | |
| NSP Diversity Exchange (part) | 50 | 50 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Willmar Municipal (part) | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SRE (GSE) (part) | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GRE (part) | 100 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GSE (part) | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MDU (part) | 85 | 90 | 95 | 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Constellation (part) | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OTP (part) | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NSF (part) | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SMMMPA (part) | 0 | 20 | 20 | 20 | 20 | 20 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wisconsin Public Power, Inc. | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| WPPL-MAIN | | | | | | | | | | | | | | | | | | | | |
| Total | 932 | 745 | 599 | 536 | 426 | 426 | 406 | 406 | 405 | 275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 |

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

7610.0310 Item G - Load and Generation Capacity
Expressed in Megawatts

| | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|---------|---------|---------|-----|
| (1) seasonal maximum demand | | | | | | | | | | | | | | | | | | | | |
| (2) schedule L purchased at the time of seasonal system demand | | | | | | | | | | | | | | | | | | | | |
| (3) seasonal system demand (1)-(2) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (4) annual system demand | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (5) seasonal firm purchases - total | 2214 | 2299 | 2300 | 2105 | 2172 | 2212 | 2170 | 2218 | 1710 | 1516 | 1348 | 1366 | 1418 | 1446 | 1318 | 1023 | 1018 | 1012 | 728 | |
| (6) seasonal firm sales - total | 444 | 279 | 279 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (7) seasonal adjusted net demand (3-5+6) | -1771 | -2020.5 | -2020.9 | -2001.4 | -2068.1 | -2108.4 | -2066.2 | -2114.2 | -1606.1 | -1412.8 | -1348.4 | -1367.8 | -1417.8 | -1445.8 | -1318.4 | -1023 | -1018.3 | -1011.7 | -727.87 | |
| (8) annual adjusted net demand (4-5+6) | -1770.6 | -2020.5 | -2020.9 | -2001.4 | -2068.1 | -2108.4 | -2066.2 | -2114.2 | -1606.1 | -1412.8 | -1348.4 | -1367.8 | -1417.8 | -1445.8 | -1318.4 | -1023 | -1018.3 | -1011.7 | -727.87 | |
| (9) net generating capability | | | | | | | | | | | | | | | | | | | | |
| (10) participation purchases - total | 1531 | 1045 | 787 | 3507 | 3171 | 3107 | 3301 | 3437 | 3233 | 3543 | 3815 | 4106 | 4376 | 4512 | 4637 | 312 | 312 | 311 | 311 | 311 |
| (11) participation sales - total | 932 | 745 | 599 | 536 | 426 | 426 | 406 | 406 | 406 | 275 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| (12) adjusted net capability (9+10-11) | 599 | 300 | 188 | 2971 | 2745 | 2682 | 2896 | 3032 | 2828 | 3268 | 3615 | 4106 | 4376 | 4512 | 4637 | 312 | 292 | 311 | 311 | 311 |
| (13) net reserve capacity obligation | -266 | -303 | -303 | -300 | -310 | -316 | -310 | -317 | -241 | -212 | -202 | -205 | -213 | -217 | -198 | -153 | -153 | -152 | -109 | |
| (14) total firm capacity obligation (7+13) | -2036 | -2324 | -2324 | -2302 | -2378 | -2425 | -2376 | -2431 | -1847 | -1626 | -1551 | -1573 | -1630 | -1663 | -1516 | -1176 | -1171 | -1163 | -837 | |
| (15) surplus (+) or deficit (-) capacity (12-14) | 2635 | 2624 | 2512 | 5273 | 5123 | 5106 | 5272 | 5463 | 4675 | 4852 | 5365 | 5679 | 6007 | 6175 | 6154 | 1489 | 1463 | 1475 | 1148 | |

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Renewable Energy Purchases

| 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 | | | | | | | | | | | | | | | | | | | |
| 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 | 6.25 | 6.25 | 6.25 |
| 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 |
| | | | | | | | | | | | | | | | | | | | |
| Great River Energy | | | | | | | | | | | | | | | | | | | |
| Chandler, Murray 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 |
| 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 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 |
| McNeilus, 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 | 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 |
| Trinont, 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 | 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 | 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 |
| Moulten, Murray 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 |
| 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 | 3.2 |
| | | | | | | | | | | | | | | | | | | | |
| Dairyland | | | | | | | | | | | | | | | | | | | |
| 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 | 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 |

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Renewable Energy Purchases

| | Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|--------------------------|--|--------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Wind Farm (berdrola); Winnebago Co IA | | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | Adams Wind | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Dairyland Biogas | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | 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 |
| | Timberline Landfill | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 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 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| Otter Tail Power Company | | | | | | | | | | | | | | | | | | | | |
| 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; Otertail Co MN | 0.0395 | [Indefinite, on small power producer tariff] | | | | | | | | | | | | | | | | | |
| | EMS; Devel Co SD | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| | PPLE 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 | 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 | 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 | 1.65 | 1.65 | 1.65 |
| | UM-Morris Wind; Stevens Co MN | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

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Renewable Energy Purchases

| | Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|--------------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| OTIP Biomass | UM-Morris Biomass; Stevens Co MN | | | | | | | | | | | | | | | | | | | | |
| | 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 | 19.5 |
| | Wisconsin Public Power, Inc. | | | | | | | | | | | | | | | | | | | | |
| | WPP1 Landfill Gas | 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 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 | 4.80 |
| | WPP1 Wind | | 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 |
| | | | 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 | 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 |
| | Interstate Power and Light Company | | | | | | | | | | | | | | | | | | | | |
| | Arnold Windfarm LLC | 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| | Nobles Co, MN | | | | | | | | | | | | | | | | | | | | |
| | 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 | 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 | 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| | GadMar 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 | 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 | 41.25 |
| | Hardin Filltop 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 | 14.7 |
| | LJ Trust LLC & Zachary Ridge LLC | | | | | | | | | | | | | | | | | | | | |
| | Oscola, IA | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 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 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |

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Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|-------|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| NAE Allendorf LLC (formerly Navitas/Allendorf) | | | | | | | | | | | | | | | | | | | |
| Oscola, 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, Emmet | 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, Oscola 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 | | | | | | | | |
| 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 | | | | | |
| Wilnot 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 |
| Hycogen 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 |
| LimEnergy 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&E 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 | 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 | 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 Acre | 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 | 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, L | 1.99 | Term of contact not provided | | | | | | | | | | | | | | | | | |
| City of Cedar Rapids Hydro | 2.1 | Term of contact not provided | | | | | | | | | | | | | | | | | |
| Mitchell Mill Hydro LLC, M | 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, Lin | 7 | | | | | | | | | | | | | | | | | | |
| IPL Solar | | | | | | | | | | | | | | | | | | | |
| Thorland, Linn Co. IA | 0.007 | Term of contact not available | | | | | | | | | | | | | | | | | |

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| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Missouri River Energy Services ¹ | | | | | | | | | | | | | | | | | | | |
| Marshall Wind | 18.7 | | | | | | | | | | | | | | | | | | |
| Odin Wind | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Note ¹ : These units are not accredited because they offset local load | | | | | | | | | | | | | | | | | | | |
| Minnesota Power | | | | | | | | | | | | | | | | | | | |
| 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 |
| 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 |
| 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 |
| *The figures shown for wind resources are 20 percent of nameplate. | | | | | | | | | | | | | | | | | | | |
| Minnkota Power Cooperative | | | | | | | | | | | | | | | | | | | |
| Langdon - Wind Cavalier, ND | | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| Xcel Energy | | | | | | | | | | | | | | | | | | | |
| Agesiz Beach LLC; Clay 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 |
| Ashland Windfarm LLC; 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 |
| Asian Children's Support LLC; 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 |
| Autumn Hills LLC; 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 |
| Avecall Wind LLC; Clay Co MN | 4.95 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | |
| Bangladesh Childrens Support LLC; 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 |
| Bendwind LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Bisson Windfarm LLC; Pipestone 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 |

Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|---|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Boeve Windfarm LLC; | | | | | | | | | | | | | | | | | | | | |
| Pipstone 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 | 1.90 |
| Brandon Wind LLC; Dodge Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Breezy Bucks I; Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Breezy Bucks II; Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| BT Windfarm LLC; Dodge Co. MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Buffalo Ridge Wind Farm LLC; Murray Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Burnese Children's Support LLC; 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 | 1.90 |
| Carlton College; Rice 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| Carstensen Wind LLC; Pipstone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| CG Windfarm LLC; Pipstone 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 | 1.90 |
| Chanaramble Power Partners; Murray Co MN | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 | 85.50 |
| Gisco Wind Energy; Jackson Co MN | 8 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| DeGreff DP LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| DeGreffpa Wind LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Elsinore Wind Farm; Dodge 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| Ewington Energy Systems LLC; Jackson Co MN | 19.95 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| Fenton Power Partners I, LLC; Murray MN | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 | 205.50 |
| Fey Windfarm LLC; Pipstone 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 | 1.90 |
| Florence Hills; 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 | 1.98 |

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Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|--|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| FPL Mower County; Mower Co MN | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | 98.90 | |
| G M Windfarms; Dodge Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | |
| GarMar Foundation 1, LLC; Dodge Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | |
| GarMar Foundation 2, LLC; 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 | |
| GarWind LLC; Dodge Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |
| Gary J.T. (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Glacial Ridge Windpower LLC; Pope Co MN | 6.3 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| Grant County Wind LLC; Grant Co MN | 20 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| Grant Windfarm LLC; 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 | |
| Greenback Energy LLC; Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Green Wind LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | |
| Hadley Ridge; Murray 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 | |
| Henslin Creek LLC; Dodge Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |
| Herman Wind LLC; Traverse Co MN | 20 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| Hillcrest Wind LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | |
| Hope Creek; 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 | |
| Indian Children's Support LLC; 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 | |
| Jack River; 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 | |
| JCKD Windfarm LLC (aka SG, LLC); Dodge Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | |

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Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | | |
|---|--------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Jeffers Wind, Cottonwood Co MN | 50.00 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | | |
| Jenna M.T. (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Jessica Mills; 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 | 1.98 | 1.98 |
| JJN Windfarm LLC; Lincoln Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Julia Hills; 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 | 1.98 | 1.98 |
| Kas Brothers Wind Farm; Pipestone Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| K-Brink Wind Farm LLC; Pipestone 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 | 1.90 | 1.90 |
| Kenyon Wind; Goodhue Co MN | 18.90 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | | |
| Kaysta J.T. LLC (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| Lake Benton 1; Lincoln Co MN | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 | 107.25 |
| Lake Benton 2; Pipestone Co MN | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 | 103.50 |
| Larswind LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Lucky Wind; Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| Mark J.P. LLC (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| McBeth Wind 1 LLC (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| McBeth Wind 2 LLC (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| McBeth Wind 3 LLC (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| McNeilus Windfarm LLC; Dodge Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |

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Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|--|--------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| Metro Wind; Sherburne Co MN | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | 0.66 | |
| MinnDakota; Lincoln Co MN and Brookings Co SD | 150.00 | [Planned resource; commercial operation date TBD; 15 year contract] | | | | | | | | | | | | | | | | | | |
| Minwind III; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Minwind IV; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Minwind IX; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Minwind V; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Minwind VI; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Minwind VII; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Minwind VIII; Rock 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Morane Wind LLC; Murray Co MN | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | 51.00 | |
| Moulten Heights Wind Power Project LLC; Murray Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |
| Muncie Power Partners LLC; Murray Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |
| NAE Lakota Ridge; Lincoln Co MN | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | 11.25 | |
| NAE Shaokatan; Lincoln 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| NAE Shaokatan Hills; Lincoln Co MN | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | |
| North Community Turbines; Lincoln Co MN | 16 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| North Ridge Wind Farm LLC; Murray Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |
| North Wind Cooperative; Lincoln Co MN | 14 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| Northern Lights; Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | |
| Olsen Wind Farm; Pipestone Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | |

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Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | |
|--|------|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Remaining 500 MW C-BED Commitment; Various Counties MN | | | | | | | | | | | | | | | | | | | | |
| | 333 | [Planned resource; commercial operation date TBD; contract term TBD] | | | | | | | | | | | | | | | | | | |
| Roadrunner LLC; Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Rock Ridge Windfarm LLC; Pipestone Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Ruthron Ridge Wind Farm; Pipestone 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 | 1.98 |
| Saty Dog I LLC; Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Saty Dog II, LLC; Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Salvadoran Children's Support LLC; 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 | 1.90 |
| Shanes Wind Farm LLC; Pipestone Co MN | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 |
| Sierra Wind LLC; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Solidque Ridge LLC; 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 | 1.98 |
| Southridge Windfarm LLC; Pipestone Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Spartan Hills; Pipestone 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 | 1.98 |
| St. Olaf College; Rice Co MN | 1.65 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | | |
| Sahl Wind; Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |
| Sun River; 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 | 1.98 |
| TAIR Windfarm II; Murray Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| TG Windfarm LLC; Pipestone 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 | 1.90 |
| Theresa M.T. LLC (Tholen); Pipestone 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 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 |

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Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|--|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Tofteford Windfarm LLC; | 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 |
| Pipestone Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Triton Wind LLC; Dodge 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 |
| Tsar Nicolas; 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 |
| Twin Lake Hills, 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 |
| Vandy South Project LLC; | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Murray Co MN | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 | 11.88 |
| Velva Windfarm LLC; | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| McHenry Co ND | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Viking Wind Farm LLC; | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Murray Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Vindy Power Partners 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 |
| Murray Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Wally's Wind Farm 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 |
| Lincoln Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Wasioja Wind LLC; Dodge Co MN | 20 | [Planned resource; commercial operation date TBD; 20 year contract] | | | | | | | | | | | | | | | | | |
| West Stevens Wind LLC; | 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 |
| Stevens Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Westridge Windfarm LLC; | 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 |
| Pipestone Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Wilhelm Wind LLC; | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Dodge Co MN | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 |
| Wilson-West Windfarm LLC; Murray Co MN | 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 | 25.00 | 25.00 |
| Wind Power Partners 1993; | 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 |
| Lincoln Co MN | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Winecourt Farms; | 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 |
| Pipestone 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 |
| Windwest Windfarm LLC; | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 | 1.80 |
| Pipestone Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
| Windy Dog LLC; 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 |
| Winter Spawn; Lincoln Co 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 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |

DOC IR0039 (First Supp.)

Renewable Energy Purchases

| Contract | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |
| Zumbro 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 |

- Non Public Document – Contains Trade Secret Data
 Public Document – Trade Secret Data Excised
 Public Document

Xcel Energy

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

Response To: Christopher Shaw Information Request No. 60
MN Department of Commerce

Date Received: March 21, 2008

Question:

The Response to the Department's Information Request 39 contains the capacity ratings of existing generation. In many cases there are slight variations between the capacity listed in the response to IR 39 and the capacity rating contained in the May 1, 2007 MAPP Load and Capability Report. Please explain what accounts for the variations in capacity ratings.

Response:

As Applicants explained in response to Department of Commerce, Office of Energy Security ("OES") Information Request No. 58, accredited capacity for facilities relevant to this proceeding is determined by Mid-Continent Area Power Pool ("MAPP") or Mid-American Interconnected Network ("MAIN"). Accreditation of generation capacity in MAPP is governed by Section 4.2.2 of the MAPP Generation Reserve Sharing Pool Handbook ("MAPP GRSP Handbook") (revised January 16, 2007).

Thermal generation is determined on a "before-the-fact" basis using the results of a performance test. Monthly output values are then determined from this performance test. Variable generation (*e.g.*, wind, solar, and run-of-river hydro) is done according to Section 4.2.2.7.2.7 of the MAPP GRSP Handbook. See Applicants' response to OES Information Request No. 58 for a more detailed explanation of how the accreditation capacity is determined for the various generation types.

Because accreditation of thermal units is based on actual performance tests which are required on an annual basis, the resulting ratings may vary over time as a unit ages or as it has changes in efficiencies due to equipment replacements and upgrades. . Accredited capacity of variable generation is likely to change over the life of the facility according to the energy production of the facility. The accredited value for

variable generation could also change as a result of a change in the hour of a utility peak demand. —

Therefore, the fact that the values submitted to MAPP for the 2007 MAPP Load and Liability Report and then later provided in response to OES Information Request No. 39 were collected by the utilities at different points in time may explain any “slight variations between the capacity listed in the response to IR 39 and the capacity rating contained in the May 1, 2007 MAPP Load and Capability Report.”

Response By: Matt Lacey
Title: Regulatory Policy Specialist
Department: Transmission
Company: Great River Energy
Telephone: 763-445-5958
Date: April 23, 2008

2168098v1

2009 Capacity

| Utility | Resource | MW | Wind Capacity Adjustment | |
|---------------------|-------------------------------|----------------|------------------------------|---------------------------|
| | | | Nameplate Wind Capacity (MW) | Accredited Capacity* (MW) |
| MP | Existing Generation | 1442.58 | | |
| | Boise Cascade | 24.24 | | |
| | International Falls | 13.318 | | |
| | Silver Bay Power | 89.25 | | |
| | Gordon | 6.65 | | |
| | Solon Diesel | 8.224 | | |
| | Sappi Cloquet | 85.244 | | |
| | Taconite Ridge Addition | 25.00 | | |
| | Wind Adjustment | (15.73) | | |
| | Participation Purchases | 150.00 | | |
| | Firm Purchases | 0.00 | | |
| | Renewable Purchases | 38.01 | | |
| | Participation Sales | (1.00) | | |
| Firm Sales | (175.00) | | | |
| | Total: | 1690.78 | | |
| SMMPA | Existing Generation | 598.40 | 8.6 | 1.16 |
| | Blooming Prairie Addition | 2.00 | | |
| | Litchfield Addition | 10.00 | | |
| | Spring Valley Addition | 4.00 | | |
| | Bio-1 Addition | 2.00 | | |
| | Austin SW Retirement | (10.00) | | |
| | Wind Adjustment | (7.44) | | |
| | Participation Purchases | 0.00 | | |
| | Firm Purchases*** | 57.00 | | |
| | Renewable Purchases | 0.00 | | |
| Participation Sales | 0.00 | | | |
| Firm Sales | 0.00 | | | |
| | Total: | 655.96 | | |
| GRE | Existing Generation | 2532.40 | 316.8 | 42.77 |
| | Elk River Peaker Addition**** | 175.00 | | |
| | | | | 274.03 |

| | | | | | | |
|-------------------------|----------------|--|--------|--|-------|-------|
| Wind Adjustment | (274.03) | | | | | |
| Participation Purchases | 210.00 | | | | | |
| Firm Purchases | 508.30 | | | | | |
| Renewable Purchases | 320.00 | | | | | |
| Participation Sales | (80.00) | | | | | |
| Firm Sales | 0.00 | | | | | |
| Total: | 3391.67 | | 16 | | 2.16 | 13.84 |
| CMMPA | | | | | | |
| Existing Generation | 121.76 | | | | | |
| Wind Adjustment | (13.84) | | | | | |
| Participation Purchases | 10.00 | | | | | |
| Firm Purchases | 5.00 | | | | | |
| Renewable Purchases | 17.25 | | | | | |
| Participation Sales | (28.00) | | | | | |
| Firm Sales | 0.00 | | | | | |
| Total: | 112.17 | | | | | |
| MRES | | | | | | |
| Existing Generation | 594.60 | | 23.7 | | 3.20 | 20.50 |
| Kimballton 1 Retirement | (0.40) | | | | | |
| Moorhead 6 Retirement | (6.51) | | | | | |
| Primghar 4 Retirement | (0.50) | | | | | |
| Primghar 5 Retirement | (0.90) | | | | | |
| Wind Adjustment | (20.50) | | | | | |
| Participation Purchases | 0.00 | | | | | |
| Firm Purchases | 0.00 | | | | | |
| Renewable Purchases | 20.00 | | | | | |
| Participation Sales | 0.00 | | | | | |
| Firm Sales | 0.00 | | | | | |
| Total: | 585.79 | | | | | |
| OTP | | | | | | |
| Existing Generation | 703.41 | | 86.855 | | 11.73 | 75.13 |
| Wind Adjustment | (75.13) | | | | | |
| Participation Purchases | 64.65 | | | | | |
| Firm Purchases | 5.46 | | | | | |
| Renewable Purchases | 46.76 | | | | | |
| Participation Sales | 0.00 | | | | | |
| Firm Sales | 0.00 | | | | | |
| Total: | 745.14 | | | | | |
| RPU | | | | | | |
| Existing Generation | 189.28 | | 0 | | 0.00 | 0.00 |
| Participation Purchases | 0.00 | | | | | |

| | | | | |
|------------------------------------|---------------|-------|------|-------|
| Firm Purchases | 27.66 | | | |
| Renewable Purchases | 0.00 | | | |
| Participation Sales | 0.00 | | | |
| Firm Sales | (100.00) | | | |
| Total: | 116.94 | 59.40 | 8.02 | 51.38 |
| Dairyland | 1037.30 | | | |
| Existing Generation | 150.00 | | | |
| Weston 4 Addition | 0.80 | | | |
| Seven Mile Creek Landfill Addition | 2.00 | | | |
| Adams Wind | 17.40 | | | |
| McNeilus Wind Farm | 20.00 | | | |
| McNeilus Wind Farm II | 5.50 | | | |
| Timberline Landfill | 6.40 | | | |
| Timberline Trail Landfill | 10.50 | | | |
| Central Disposal Landfill | 20.00 | | | |
| Wind Farm (Iberdrola) | 3.50 | | | |
| Sarona Landfill | 0.78 | | | |
| Bach Farm | 0.78 | | | |
| Daley Farm | 14.796 | | | |
| Arcadia Electric | 0.0325 | | | |
| Argyle HYD | 2.198 | | | |
| Argyle 4 | 3.407 | | | |
| Cashton | 20.331 | | | |
| Cumberland | 6.096 | | | |
| Elroy | 8.085 | | | |
| Fennimore | 20.964 | | | |
| Forest City | 1.58 | | | |
| La Farge | 2.894 | | | |
| Lanesboro | 0.86 | | | |
| Merrillan | 8.205 | | | |
| New Lisbon | 1.838 | | | |
| Viola | (51.38) | | | |
| Wind Adjustment | 0.00 | | | |
| Participation Purchases | 0.00 | | | |
| Firm Purchases | 82.90 | | | |
| Renewable Purchases | (171.00) | | | |
| Participation Sales | (3.60) | | | |
| Firm Sales | | | | |

| | | | | | |
|------------------------------|-----------------------|--|--------|--------|--------|
| Xcel | Total: 1223.16 | | 985.00 | 132.98 | 852.03 |
| Existing Generation | 7303.36 | | | | |
| Highbridge Addition | 515.00 | | | | |
| Grand Meadow Wind Addition | 100.00 | | | | |
| Riverside Addition | 508.00 | | | | |
| High Bridge Retirement | (271.10) | | | | |
| Riverside Retirement | (381.25) | | | | |
| Wind Adjustment | (852.03) | | | | |
| Participation Purchases | 1317.00 | | | | |
| Firm Purchases | 352.00 | | | | |
| Renewable Purchases | 885.00 | | | | |
| Participation Sales | (95.00) | | | | |
| Firm Sales | 0.00 | | | | |
| Total: | 9380.99 | | 131.50 | 17.75 | 113.75 |
| WPP | | | | | |
| Existing Generation | 323.80 | | | | |
| Elm Road Generation Addition | 51.00 | | | | |
| Wind Adjustment | (113.75) | | | | |
| Participation Purchases | 702.10 | | | | |
| Firm Purchases | 201.32 | | | | |
| Renewable Purchases | 136.30 | | | | |
| Participation Sales | (104.00) | | | | |
| Firm Sales | 0.00 | | | | |
| Total: | 1196.77 | | 269.7 | 36.41 | 233.29 |
| IPL | | | | | |
| Existing Generation | 2092.70 | | | | |
| Wind Adjustment | (233.29) | | | | |
| Participation Purchases | 0.00 | | | | |
| Firm Purchases | 406.00 | | | | |
| Renewable Purchases | 285.45 | | | | |
| Participation Sales | 0.00 | | | | |
| Firm Sales | 0.00 | | | | |
| Total: | 2550.86 | | 100.8 | 13.61 | 87.19 |
| Minnkota | | | | | |
| Existing Generation | 618.28 | | | | |
| Wind Adjustment | (87.19) | | | | |
| Participation Purchases | 11.00 | | | | |
| Firm Purchases | 50.00 | | | | |
| Renewable Purchases | 99.00 | | | | |
| Participation Sales | (100.00) | | | | |

| Firm Sales | Total: | 0.00 | | | | | | |
|-----------------------------------|---------------|------|--|--|--|--|--|------|
| Hutchinson | | | | | | | | |
| Existing Generation | 101.70 | 0.00 | | | | | | 0.00 |
| Participation Purchases | 0.00 | | | | | | | 0.00 |
| Firm Purchases | 0.00 | | | | | | | |
| Renewable Purchases | 0.00 | | | | | | | |
| Participation Sales | (20.00) | | | | | | | |
| Firm Sales | 0.00 | | | | | | | |
| Total: | 101.70 | | | | | | | |
| Willmar | | | | | | | | |
| Existing Generation | 34.40 | | | | | | | 0.00 |
| Participation Purchases | 60.00 | | | | | | | 0.00 |
| Firm Purchases | 7.00 | | | | | | | |
| Renewable Purchases | 0.00 | | | | | | | |
| Participation Sales | 0.00 | | | | | | | |
| Firm Sales | 0.00 | | | | | | | |
| Total: | 34.40 | | | | | | | |
| MMPA | | | | | | | | |
| Existing Generation | 203.00 | | | | | | | 0.00 |
| Faribault Energy Addition | 110.00 | | | | | | | 0.00 |
| Participation Purchases | 80.00 | | | | | | | |
| Firm Purchases | 0.00 | | | | | | | |
| Renewable Purchases | 0.00 | | | | | | | |
| Participation Sales | 0.00 | | | | | | | |
| Firm Sales | 0.00 | | | | | | | |
| Total: | 393.00 | | | | | | | |
| New Ulm | | | | | | | | |
| Existing Generation | 70.60 | | | | | | | 0.00 |
| Total: | 70.60 | | | | | | | |
| 16 Utility Total: 22841.01 | | | | | | | | |

*The estimate of Accredited Capacity was determined as 13.5% of Nameplate Capacity. Please see the testimony of Ms. Susan Peirce for explanation of the OES's estimate of Accredited Capacity.

**MP's wind purchases were adjusted to 20% of nameplate capacity. Therefore, the wind adjustment is for an additional 6.5%. (Taconite Ridge shown at 100% nameplate.)

***Includes SMMPA's Manitoba Hydro Purchase

*****The Certificate of Need granted in Docket No. ET-2/CN-07-678 was for 175 MW rather than the 170 MW listed in the Response to IR 39.

Units on IR 39 not on IR 34

Xcel

Grand Meadow Wind

OTP

Granite Falls Hydro

Units on IR 34 not on IR 39

Xcel

Minn AURI

Rapidan Hydro

Lac Courte Orielles Hydro

Neshonoc Hydro

Hastings Hydro

Byllesby Hydro

Eau Galle Hydro

Ford Motor Hydro

St. Cloud Hydro

Minnesota Methane

Landfill Power Flying Cloud

Pine Bend Landfill

Barron Light and Water Dept

Hennepin Energy Resource Recovery

SMMPA

Member-Owned Bio-diesel

Dairyland

3 manure digesters (2010)