

June 4, 2012

**RECEIVED**

JUN 05 2012

**PUBLIC SERVICE COMMISSION**

Secretary to the Commission  
North Dakota Public Service Commission  
State Capitol Building  
Bismarck, North Dakota 58505

Dear Sir:

In accordance with Section 49-22-04 of the North Dakota Century Code, Minnkota Power Cooperative herewith files the enclosed Ten-Year Plan with the North Dakota Public Service Commission.

Any questions concerning the contents of the enclosed document should be directed to me.

Sincerely,

MINNKOTA POWER COOPERATIVE, INC.



Dale Sollom  
Planning Manager

Enclosure

# **TEN-YEAR PLAN**

**MINNKOTA POWER COOPERATIVE, INC.**  
**Grand Forks, North Dakota**

Prepared for the North Dakota Public Service Commission  
Pursuant to Section 49-22-04 of the  
North Dakota Century Code

**MPC**  
**PLANNING DEPARTMENT**

**July 2012**

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# **MINNKOTA POWER COOPERATIVE, INC.**

## **TEN-YEAR PLAN**

### **INTRODUCTION**

Minnkota Power Cooperative, Inc. was organized on March 28, 1940 and incorporated under the laws of the State of Minnesota. It is the wholesale electric power supplier for 11 rural electric cooperatives located in the eastern one-third of North Dakota and the northwestern part of Minnesota. Minnkota serves approximately 133,000 end-use meters in a 34,500 square mile service area that includes 33 counties in the Red River Valley and adjoining areas.

Minnkota operates the Milton R. Young 1 plant, a 250,000 kW lignite-fired steam generator located near Center, North Dakota. Minnkota owns or leases another 34,570 kW of smaller diesel units located throughout its service area. It also has an 84,300 kW contract for firm power with the Western Area Power Administration. Minnkota also receives 128,100 kW from the Coyote plant and 227,500 kW from Square Butte Electric Cooperative's Milton R. Young 2 plant.

Minnkota owns two 900 kW wind turbines, one located near Valley City and one located near Petersburg, North Dakota.

On December 31, 2009 Square Butte Electric Cooperative sold its 463 mile  $\pm$  250 kilovolt D.C. transmission line to Minnesota Power. As part of the sale of the D.C. line, Minnkota will receive an increasing allocation of Young 2 electrical output beginning in 2014 when a new 345 kV transmission line from Center to Grand Forks is expected to be completed. Minnkota's allocation will increase, in varying increments, until 2026, at which point Minnkota will receive 100 percent of the electrical energy produced by Young 2.

Minnkota has 25-year Power Purchase Agreements for 139,500 kW from wind projects located near Langdon, ND and for 217,500 kW from wind projects located near Pillsbury, ND.

Minnkota is the operating agent for the Northern Municipal Power Agency (NMPA), which consists of 12 municipals, 10 located in northwestern Minnesota and 2 located in eastern North Dakota.

**MINNKOTA POWER COOPERATIVE, INC.**  
**Ten-Year Plan**

**SECTION A: Existing Energy Conversion Facilities**

1. See Exhibit I  
OTP will be responsible for Form EIA-923 for the Coyote facilities.

**SECTION B: Energy Conversion Facilities Under Construction**

None

**SECTION C: Proposed Energy Conversion Facilities on Which Construction is Intended Within The Ensuing Five Years**

None

**SECTION D: Proposed Energy Conversion Facilities During the Next Ten-Year Time Period**  
None

**SECTION E: Existing Transmission Facilities (Electric)**

1. See Exhibit II and Exhibit III
2. See Exhibit IV
3. None

**SECTION F: Existing Transmission Facilities (Pipeline)**

None

**SECTION G: Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years**

Minnkota is planning to construct a 250 mile 345 kV transmission line from Center to Grand Forks by January 1, 2014. The line is needed to deliver the output of the existing Milton R. Young 2 generating plant. The output of Young 2 is presently delivered over the Square Butte D.C. line that runs from Center, ND to near Duluth, MN. The new 345 kV line is needed because the capacity of the D.C. line will be utilized to deliver power from existing and future wind farms in the Center, ND area starting in the 2014 time frame. The new 345 kV line, along with other transmission additions, may be utilized to deliver the output of several wind projects that have been proposed along the route of the line.

**SECTION H: Proposed Transmission Facilities on Which Construction is Intended Within the Ensuing Five Years (Pipeline)**

None

**SECTION I: Proposed Transmission Facilities During the Next Ten-Year Time Period (Electric and Pipeline)**

None

**SECTION J: Regional coordination**

Facilities proposed and committed by Minnkota are coordinated with members of the Mid-Continent Area Power Pool (MAPP). Minnkota participates on various MAPP Subcommittees and working groups that review and approve generation additions, transmission adequacy, and reliability improvements. Minnkota is a member of the MAPP Transmission Planning Committee, whose primary purpose is to perform coordinated long range transmission planning. Minnkota generation and transmission facility additions also require approval of MAPP's Design Review Subcommittee. Minnkota also coordinates its planning efforts with other area utilities by participating in or leading ad-hoc group studies involving local planning issues.

**SECTION K: Environmental information**

Minnkota Power Cooperative, Inc., is a borrower from the Rural Utilities Services of Washington, D.C. In accordance with national policy as stated in the National Environmental Policy Act and elsewhere, the policies, plans and programs of the Rural Electrification Administration and its borrowers are conducted so as to meet national environmental goals in accordance with the law, Executive Orders, and Guidelines of the Council of Environmental Quality.

The stated purpose of the National Environmental Policy Act is to declare a national policy which will encourage an enjoyable harmony between man and his environment; to promote efforts which will prevent or eliminate damage to the environment and biosphere and stimulate the health and welfare of man; to enrich the understanding of the ecological systems and natural resources important to the nation; and to establish a Council on Environmental Quality.

The Act requires the preparation of a detailed Environmental Statement in connection with every major Federal action significantly affecting the quality of human environment, and requires that such environmental statements shall be made available to the President, the Council on Environmental Quality, and to the public and shall accompany the proposal through agency review processes.

The Rural Utilities Services includes in its loan contracts entered into since passage of the Act, a provision to the effect that the borrower shall observe all applicable Federal and State requirements for the protection of the environment. Environmental Statements are required by the Rural Utilities Services in connection with all loans and other agency actions that will significantly affect the quality of the human environment.

For all of Minnkota's transmission lines of 230 kV and above, knowledgeable consultants prepare an environmental analysis. This analysis is the basis for routing transmission lines in accordance with the National Environmental Policy Act and

with the guidelines set jointly by the United States Department of Interior and Agriculture entitled "Environmental Criteria for Electric Transmission Lines".

These guidelines are also used in routing lower voltage transmission lines, although lower voltage lines are usually quite short and therefore, have a lesser impact on the environment. It is Minnkota's policy to route transmission lines in such a location as to cause the least amount of damage and interference to the private landowner while at the same time choose a route that is in the best interest of the general public.

Minnkota cooperates with other area electric utilities so that its high voltage transmission lines are portions of joint projects. This significantly reduces the total number of miles of transmission line otherwise required to be constructed. In the actual route selection, attempts are made to follow the established criteria and place the lines in a manner to be least visible to the general public. This includes such things as, where feasible, staying away from heavily traveled roads, screening road crossings, screening the line behind hills or trees. Special wildlife areas and other formally classified areas are avoided in line routing.

Minnkota cooperates with State and Federal agencies in the route selection process. These agencies review and comment on the Environment Impact Statement and all comments are answered. Private land use and potential use is considered to either avoid irrigatable areas or place the structures in such a way that they will cause the least interference to irrigation. Transmission line structures are placed in non-tillable areas where possible and span lengths are maximized to reduce the total number of structures to cause the least interference to irrigation and other farming activities.

Environmental considerations are placed in their proper perspective along with such other vital factors such as service reliability, cost, and safety. Minnkota considers all these factors in constructing, operating and maintaining its electric transmission system.

#### SECTION L: Projected demand for service

1. Minnkota's 2001-2002 winter peak demand was 667,000 kW as compared to 861,100 kW for the 2011-2012 winter season. Minnkota has projected a 2021-2022 winter peak demand of 1,113,000 kW.

Beginning with relatively modest efforts in 1973, Minnkota and the twelve associated rural electric distribution cooperatives have developed a comprehensive program of load management. This program is comprised of three concurrent efforts: (1) incentive wholesale and retail rates, (2) promotion of use of dual oil/electric space heating systems and (3) a positive, reliable control method that is made available to all consumers. Major goals of substantial annual system load factor improvement, furnishing of economical electric energy and conservation of oil and propane by substituting coal-derived electrical energy are being realized. The strong consumer endorsement of the cooperative's load management program indicates that a continued significant growth in off-peak electric energy consumption will occur and that there will be a reduction of dependence upon foreign produced oil as a result.

In 1976 Minnkota drastically changed its rate structure from billing on dollars per

kW per month of demand to billing on a 100% ratcheted demand on the demand recorded at the time of Minnkota's annual winter peak. This has had the effect of inducing the management of each of the 11 member distribution cooperatives to devise every possible method to keep loads off Minnkota's annual winter peak.

This billing concept on the part of Minnkota is having the effect of slowing down demand growth while not substantially affecting energy growth.

2. Minnkota's generating capacity presently installed or committed plus firm contract commitments are as follows:

	<u>kW</u>
Western Area Power Administration (including reserves)	83,500
Small Diesels	34,570
Milton R. Young 1	250,000
Milton R. Young 2 (Minnkota share)	227,500
Coyote (NMPA share)	128,100
Petersburg Wind	900
Valley City Wind	900
Langdon Wind PPA	99,000
Langdon Wind II PPA	40,500
Ashtabula PPA- I	99,000
Ashtabula PPA - II	49,500
Ashtabula II PPA	<u>69,000</u>
	1,082,470

Minnkota is a member of the Mid-Continent Area Power Pool (MAPP) that has a large amount of winter surplus capacity from which to purchase reserve and peaking capacity. Minnkota also has 242,000 kW of transmission capability on the interconnection tie lines to Manitoba Hydro in Canada. Minnkota will purchase from MAPP, Midwest Independent System Operator (MISO), or Manitoba Hydro to satisfy any future generation capacity deficiencies.

3. Minnkota's load centers are the three distribution cooperatives in eastern North Dakota and the eight distribution cooperatives in northwestern Minnesota.

Minnkota coal resources will last for at least 70 years with the present level of generation. There are no transportation problems since all the base loaded plants are mine mouth plants. The transportation system that Minnkota will rely upon will be the high voltage electrical network in North Dakota.

**EXHIBIT I**

**U.S. Department of Energy Form EIA-923  
(Supersedes U.S. Department of Energy Form EIA-767)  
(Supersedes FERC Form 67)**

NOTICE: This report is mandatory under the Federal Energy Administration Act of 1974 (Public Law 93-275). Failure to comply may result in criminal fines, civil penalties and other sanctions as provided by law. For further information concerning sanctions and data protections see the provision on sanctions and the provision concerning confidentiality of information in the instructions. **Title 18 USC 1001 makes it a criminal offense for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious, or fraudulent statements as to any matter within its jurisdiction.**

SCHEDULE 1. IDENTIFICATION

Survey Contact

Contact Kay Schraeder Submit By 200003322  
Title Accountant Submit Date 15-MAR-12  
Address 1822 Mill Road Accept By  
Accept Date  
City/State/Zip Grand Forks ND 58208  
Email kschraeder@minnkota.com Phone (701) 795-4266 Fax (701) 795-4215

Supervisor of Contact Person for Survey

Contact Craig Rustad  
Title Accounting Manager  
Address 1822 Mill Road  
City/State/Zip Grand Forks ND 58208  
Email crustad@minnkota.com Phone (701) 795-4261 Fax (701) 795-4215

Report For

Company Name Minnkota Power Coop. Inc  
Plant Name Milton R Young  
Plant ID 2823 Plant County Oliver  
Plant Address 3401 24th Street S.W.  
Plant City Center Plant State ND

Regulated  Yes  No  
CHP Yes  No

CHP Efficiency

For contact detail go to <http://www.eia.doe.gov/oss/forms.html#eia-923>

**SCHEDULE 6. NONUTILITY ANNUAL SOURCE AND DISPOSITION OF ELECTRICITY**

(Instructions for SCHEDULE 6 are on page 13)

SCHEDULE 6 collects calendar year data (no monthly detail).  
Annual data are due by March 30 following the reporting year.  
Report all generation in **megawatthours (MWh)** rounded to a whole number.

- |                                |  |
|--------------------------------|--|
| (1) Gross Generation (Annual)  | (4) Station Use                        |
| (2) Other Incoming Electricity | (5) Direct Use                         |
|                                | (6) Total Facility Use (4 + 5)         |
|                                | (7) Retail Sales to Ultimate Customers |
|                                | (8) Sales for Resale (MWh)             |
|                                | (9) Other Outgoing Electricity         |
| (3) Total Sources (1 + 2)      | (10) Total Disposition (6 + 7 + 8 + 9) |

**Total Sources must equal Total Disposition (3 = 10)**

**Plants that cannot separate Station Use and Direct Use may enter zero in Station Use and the sum of Station Use and Direct Use in the Direct Use field.**

**SCHEDULE 7. ANNUAL REVENUES FROM SALES FOR RESALE**

(Instruction for SCHEDULE 7 are on page 14.)

SCHEDULE 7 is to be completed by respondents who entered a positive amount on SCHEDULE 6, Disposition of Electricity, Item 8, Sales for Resale. Annual data are due by March 30 following the reporting year.

Sales for Resale is energy supplied to other electric utilities, cooperatives, municipalities, Federal and State electric agencies, or other entities for resale to end-use consumers.

Annual Revenues from Sales for Resale (in thousand dollars)



**SCHEDULE 8. PART B. FINANCIAL INFORMATION**  
 (Instructions for SCHEDULE 8 PART B are on page 15.)

If actual data are not available, provide an estimated value.

**Operation and Maintenance (O&M) Expenditures During Year (Thousand Dollars)**

Type	(1) Fly Ash	(2) Bottom Ash	(3) Flue Gas Desulfurization	(4) Water Pollution Abatement	(5) Other Pollution Abatement	(6) Total (1 + 2 + 3 + 4 + 5)
Collection	925	1,246	10,632	880	0	13,683
Disposal	821	373	787	10	0	1,991
Other	0	0	0	0	3,424	3,424

**Capital Expenditures for New Structures and Equipment During Year, Excluding Land and Interest Expense (Thousand Dollars)**

Type	(7) Air Pollution Abatement	(8) Water Pollution Abatement	(9) Solid/Contained Waste	(10) Other Pollution Abatement
Amount	39,660	211	7,996	0

**Byproduct Sales Revenue During Year (Thousand Dollars)**

Type	(11) Fly Ash	(12) Bottom Ash	(13) Fly and Bottom Ash Sold Intermingled	(14) Flue Gas Desulfurization	(15) Other Byproduct Revenue	(16) Total (11+12+13+14+15)
Amount		327				327

**SCHEDULE 8. PART C. BOILER INFORMATION NITROGEN OXIDE EMISSION CONTROLS**  
(Instructions for SCHEDULE 8 PART C are on page 16.)

Complete a separate row for each boiler.

Note: The Boiler ID must match the Boiler ID as reported on Form EIA-860, "Annual Electric Generator Report."

No NOX Controls

Boiler ID	NOx Control In-Service (hours)	NOx Emission Rate (lbs/MMBtu)	
		Entire Year	May through September
B1	7,600	.51	.52
B2	8,391	.3	.3

**SCHEDULE 8. PART D. COOLING SYSTEM INFORMATION, MONTHLY OPERATIONS**

(Instructions for SCHEDULE 8 PART D are on page 16.)

Note: Cooling System ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report."  
 Complete a separate row for each cooling system.

Cooling System ID	Status	Chlorine added to Cooling Water (1000 lbs)	Hours in Service	Average Annual Rate of Cooling Water (to nearest 0.1 ft <sup>3</sup> /sec)				Estimation	Maximum Cooling Water Temperature at Intake (F)		Maximum Cooling Water Temperature at Discharge Outlet (F)		Estimation
				Diversion	Withdrawal	Discharge	Consumption		Monthly Avg	Monthly Max	Monthly Avg	Monthly Max	
Month 1													
CS1	OP	0	744	0	263	263	0	4	43	47	60	66	1
CS2	OP	0	702	0	526.1	526.1	0	4	43	50	54	72	1
Month 2													
CS1	OP	0	449	0	174.8	174.8	0	4	44	54	91	73	1
CS2	OP	0	411	0	340.4	340.4	0	4	44	53	72	87	1
Month 3													
CS1	OP	0	250	0	44.9	44.9	0	4	41	51	70	82	1
CS2	OP	0	665	0	249.1	249.1	0	4	44	62	74	87	1
Month 4													
CS1	OP	0	469	0	171.8	171.8	0	4	55	72	69	85	1
CS2	OP	1	497	0	385.3	385.3	0	4	52	67	79	92	1
Month 5													
CS1	OP	1	719	0	253.8	253.8	0	4	67	74	83	92	1
CS2	OP	2	744	0	557	557	0	4	66	74	83	92	1
Month 6													
CS1	OP	1	707	0	258.4	258.4	0	4	75	85	92	104	1
CS2	OP	2	625	0	482.5	482.5	0	4	75	85	89	103	1
Month 7													
CS1	OP	1	694	0	246	246	0	4	86	93	102	112	1
CS2	OP	2	727	0	544.7	544.7	0	4	86	93	103	110	1
Month 8													
CS1	OP	2	666	0	235.2	235.2	0	4	85	90	99	109	1
CS2	OP	3	744	0	557	557	0	4	85	91	101	108	1
Month 9													
CS1	OP	1	720	0	263	263	0	4	77	87	95	106	1

EIA923 Power Plant Operations Report

Year: **2011** Plant: **2823** **Milton R Young**

CS2	OP	2	720	0	557	557	0	4	77	87	93	105	1
Month	10												
CS1	OP	1	744	0	263	263	0	4	68	76	85	93	1
CS2	OP	1	686	0	513.7	513.7	0	4	67	76	80	93	1
Month	11												
CS1	OP	1	719	0	263	263	0	4	57	65	73	82	1
CS2	OP	2	720	0	557	557	0	4	55	64	70	80	1
Month	12												
CS1	OP	0	390	0	137.7	137.7	0	4	51	73	77	88	1
CS2	OP	2	744	0	557	557	0	4	49	57	63	72	1

**SCHEDULE 8. PART E . FLUE GAS PARTICULATE COLLECTION INFORMATION**  
(Instructions for SCHEDULE 8 PART E are on page 17)

Complete a separate row for each flue gas particulate collector.

Does not Apply

Removal Efficiency of Particulate Matter (nearest 0.1% by weight)

Flue Gas Particulate Collector ID	Status	Hours in Service	Typical Particulate Emissions Rate (nearest 0.01 lb/MMBtu)	At Annual Operating Factor	At 100% Load or Tested Efficiency	Date of Most Recent Efficiency Test (e.g., 12-2005)
ESP1	OP	7,600	.01	99.8	100	08-1975
ESP2	OP	8,391	.01	99.8	100	08-1977

**SCHEDULE 8. PART F. FLUE GAS DESULFURIZATION UNIT INFORMATION, ANNUAL OPERATIONS**  
 (Instructions for SCHEDULE 8 PART F are on page 19.)

Note: Flue Gas Desulfurization ID must match the ID as reported on Form EIA-860, "Annual Electric Generator Report."  
 Complete a separate row for each Flue Gas Desulfurization Unit.

**ANNUAL OPERATIONS**

Does not Apply		Removal Efficiency of Sulfur Dioxide (nearest 0.1% by wt)					
Flue Gas Desulfurization Unit ID	FGD Unit Status	Hours In Service	Quantity of FGD Sorbent Used (to nearest 0.1 thousand tons)	Electrical Energy Consumption (MWh)	At Annual Operating Factor	At 100% Load or Tested Efficiency	Date of Most Recent Efficiency Test (e.g., 12-2005)
FGD1	OP	5,968	14.3	8,255	97.1	97.1	12-2011
FGD2	OP	8,391	36.4	32,070	96.9	96.9	12-2011

**OPERATION AND MAINTENANCE EXPENDITURES DURING YEAR, EXCLUDING ELECTRICITY (THOUSAND DOLLARS)**

Flue Gas Desulfurization Unit ID	Feed Materials and Chemicals	Labor and Supervision	Waste Disposal	Maintenance, Materials and All Other Costs	Total
FGD1	\$2,381	\$361	\$230	\$432	\$3,404
FGD2	\$5,697	\$582	\$558	\$1,179	\$8,016

Schedule 9 Comments

Schedule	Part	Item	Comment
8	C		B1 NOx Control installed 2011, will operate 2012
8	C		B2 NOx Control installed 2010, operated 2011
8	F		B1 SO2 Control installed 4-9-2011
8	B	5	B1, B2 NOx Control Costs included

Error Log

Purchase Type	Fuel	Schedule	Prime Mover	Equipment ID	Rpt Month	Supplier	Error Number & Description/Override	Ranges
		8A					844 Total volume of fly ash is an unexpectedly high or low portion of the combined total of fly ash and bottom ash; please check. Default	
		8B					808 You have entered a cost for collection/disposal for FGD on Schedule 8B, but have not entered a positive quantity of FDG Gypsum or By-products in any column on Schedule 8A. Please enter the quantity of FGD byproduct or FGD Gypsum associated with the costs in the appropriate column on Schedule 8A. Default	
		8C		B1			853 Entire Year rate of NOX emissions per MMBtu of fuel burned falls outside of the typical range of 0.1 to 0.3 pounds per million Btu. Default	
		8C		B1			854 May to September rate of NOX emissions per MMBtu of fuel burned falls outside of the typical range of 0.1 to 0.3 pounds per million Btu. Default	
		8D		CS1	7		858 The average temperature reported for the month is outside normal bounds at the discharge for the plant. Default	
		8D		CS2	7		858 The average temperature reported for the month is outside normal bounds at the discharge for the plant. Default	

**EXHIBIT II**

Federal Energy Regulatory Commission Form FERC-714  
(Supersedes FERC Form 12)



Federal Energy Regulatory Commission  
FERC Form No. 714

## Annual Electric Balancing Authority Area and Planning Area Report

For the Year Ending December 31, 2011

Form Approved  
OMB Numbers: 1902 - 0140  
(Expires: 01-31-2013)

### Part I - Schedule 1. Identification and Certification

1. Respondent Identification:

Code: 12658 Name: Minnkota Power Cooperative, Inc.

2. Respondent Type: (Please check appropriate box and fill in name)

Part I: Balancing Authority Area (Complete Parts I, II, and IV)

Unit dispatch is not based on the economic dispatch of thermal units (i.e., a system lambda is not calculated)

Balancing Authority Area Name:

Part II: Planning Area (Complete Parts I, III, and IV)

Planning Area Name:

Minnkota Power Cooperative, Inc.

3. Respondent Mailing Address:

Minnkota Power Cooperative, Inc.  
1822 Mill Road  
Grand Forks, North Dakota 58208-3200

4. Contact Person:

Name: Cameron Korynta  
Title: Energy Marketer  
E-mail address: ckorynta@minnkota.com

Telephone #: 701-795-4429 Ext:

5. Certifying Official:

Name: Cameron Korynta  
Title: Energy Marketer  
Date: 05/30/2012

This report is an  Original  Revised Filing

**Annual Electric Balancing Authority Area and Planning  
 Area Report  
 For the Year Ending December 31, 2011**

Utility Code: 12658  
 Utility Name: Minnkota Power Cooperative, Inc.

**Part III - Schedule 1. Electric Utilities That Compose the Planning Area**

Enter the name of each entity, including the respondent, that forms the planning area for which this report is being prepared and their coincident summer and winter peak demands in megawatts. Refer to the Form 714 instructions for specific guidelines.

Line No (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
1	Beltrami Electric Coop.	72	115
2	Cass County Electric Coop.	174	212
3	Cavalier Rural Electric Coop.	8	9
4	Clearwater Polk Electric Coop.	13	21
5	Northern Municipal Power Agency	77	90
6	Nodak Electric Coop.	152	169
7	North Star Electric Coop.	17	33
8	PKM Electric Coop.	18	28
9	Red Lake Electric Coop.	20	33
10	Red River Electric Coop.	20	36
11	Roseau Electric Coop.	24	44
12	Wild Rice Electric Coop.	41	73
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**Annual Electric Balancing Authority Area and Planning  
Area Report**  
For the Year Ending December 31, 2011

Utility Code: 12658  
Utility Name: Minkota Power Cooperative, Inc.

Part III - Schedule 1. Electric Utilities That Compose the Planning Area (continued)

Line No (a)	Electric Utility Name (b)	Electric Utility Coincident Peak Demand (MW)	
		Summer (c)	Winter (d)
30			

**Annual Electric Balancing Authority Area and Planning  
Area Report  
For the Year Ending December 31, 2011**

Utility Code: 12658  
Utility Name: Minnkota Power Cooperative, Inc.

Part III - Schedule 2. Planning Area Hourly Demand

Respondents must provide the following data: the planning area's actual hourly demand, in megawatts, for each hour of the year starting with 1 a.m. January 1 as more fully described in the Form 714 instructions. In column (b) indicate the time zone and the days for which daylight savings time was observed. This schedule will have 365 rows for the report year (366 rows for a leap year). For hours when this information is not available, enter "0.00" and provide, as a footnote to those hours, an explanation describing the reason for the unavailability of the data.

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
01/01/2011	CST	706	687	672	666	666	674	686	663	670	680	877	669	732	715	697	700	726	734	728	717	703	686	668	714
01/02/2011	CST	704	691	687	688	691	702	721	698	708	715	703	683	731	707	682	683	712	685	741	721	713	697	664	717
01/03/2011	CST	708	704	703	707	718	750	818	734	772	732	741	718	772	762	740	741	767	776	784	782	772	741	701	749
01/04/2011	CST	735	724	719	714	713	744	810	799	756	731	704	679	726	711	698	717	752	761	760	748	730	702	655	690
01/05/2011	CST	664	643	631	625	627	652	721	718	687	665	639	619	666	650	642	655	688	664	701	710	725	696	648	684
01/06/2011	CST	660	648	643	640	649	684	758	714	657	652	641	672	730	721	708	710	715	645	652	658	700	675	631	668
01/07/2011	CST	647	632	628	627	637	671	745	753	730	722	714	748	754	735	729	733	748	738	730	712	694	675	640	683
01/08/2011	CST	660	642	634	634	641	659	686	679	693	681	660	650	682	647	630	635	673	662	654	658	668	701	668	725
01/09/2011	CST	711	699	698	701	702	714	734	714	726	716	693	666	721	694	680	686	713	693	699	735	716	687	647	689
01/10/2011	CST	675	664	656	653	656	684	752	744	705	695	681	659	703	690	682	683	701	701	706	694	678	652	612	649
01/11/2011	CST	626	614	608	606	613	648	735	640	566	554	525	542	595	593	686	714	726	722	724	720	703	673	636	675
01/12/2011	CST	657	646	642	642	653	686	758	708	588	574	564	549	604	591	575	586	608	599	607	599	695	706	658	693
01/13/2011	CST	674	656	648	647	652	679	746	648	574	588	689	672	715	700	688	683	591	593	597	698	692	660	618	657
01/14/2011	CST	640	628	622	627	649	681	734	596	555	573	577	580	707	747	721	689	692	621	664	674	660	645	621	673
01/15/2011	CST	661	649	644	645	650	668	697	686	699	696	677	659	736	712	679	678	708	725	736	732	721	701	675	726
01/16/2011	CST	706	693	685	679	682	690	706	690	701	702	691	687	750	734	719	720	735	733	728	715	695	668	630	669
01/17/2011	CST	648	631	618	610	612	629	678	673	667	672	677	671	727	725	723	732	751	750	758	748	733	713	677	731
01/18/2011	CST	720	713	712	713	724	759	830	815	776	752	723	701	770	762	753	760	654	541	526	514	498	595	825	756
01/19/2011	CST	728	713	703	702	710	740	812	801	765	738	718	690	740	723	699	694	717	731	753	749	735	707	663	703
01/20/2011	CST	678	666	665	668	683	725	800	796	765	736	708	690	752	744	731	739	775	644	577	537	520	637	864	813
01/21/2011	CST	791	787	781	780	788	819	699	585	527	511	597	800	884	854	833	817	808	768	767	748	729	711	684	740
01/22/2011	CST	732	721	720	722	729	747	773	752	762	758	730	691	759	732	709	708	736	672	646	770	759	739	710	770
01/23/2011	CST	757	748	743	740	742	751	763	738	750	756	744	731	801	783	758	749	750	737	744	725	700	668	620	653
01/24/2011	CST	629	606	591	581	583	613	675	678	661	660	653	643	687	678	674	677	686	695	691	672	666	649	609	644
01/25/2011	CST	626	611	607	606	616	651	615	588	657	670	646	618	651	630	611	610	622	632	649	645	631	608	570	597
01/26/2011	CST	573	558	551	554	559	594	669	675	639	618	598	580	619	607	606	613	630	633	642	634	619	593	554	581
01/27/2011	CST	562	539	527	533	547	579	650	652	617	599	580	562	592	558	548	579	603	608	621	617	607	575	539	572

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01/28/2011	CST	549	533	528	527	538	567	635	644	610	600	587	581	615	595	580	570	584	585	600	589	582	569	541	578
01/29/2011	CST	562	553	549	556	565	584	614	614	634	642	626	602	652	638	623	622	636	648	681	680	674	660	635	692
01/30/2011	CST	679	668	662	659	661	669	678	657	670	679	673	660	714	696	690	700	722	718	742	736	721	696	659	705
01/31/2011	CST	690	678	674	669	680	714	789	779	747	738	730	714	772	763	752	759	774	660	557	521	501	680	715	752
02/01/2011	CST	734	723	718	714	724	757	830	817	776	734	699	679	732	716	694	692	715	726	767	767	756	736	700	751
02/02/2011	CST	738	731	723	726	736	771	845	827	781	735	708	687	747	728	708	710	731	744	783	779	765	738	689	727
02/03/2011	CST	706	686	672	662	663	681	745	728	678	638	610	584	622	601	582	576	585	592	626	623	615	591	554	582
02/04/2011	CST	563	549	539	535	540	589	636	633	594	572	551	552	543	516	509	512	524	533	563	556	547	527	507	541
02/05/2011	CST	525	510	505	505	508	525	548	545	562	565	559	542	568	548	531	530	542	542	560	554	543	527	502	537
02/06/2011	CST	520	507	501	497	496	510	528	529	548	555	552	546	593	578	572	580	612	612	634	637	633	635	613	663
02/07/2011	CST	653	648	647	652	663	702	775	767	731	704	680	658	714	700	688	693	716	718	758	758	750	732	695	748
02/08/2011	CST	739	733	731	732	738	773	846	826	773	740	709	682	733	717	693	688	708	712	754	749	734	712	673	719
02/09/2011	CST	714	711	706	709	722	755	830	811	757	717	690	664	716	698	679	665	683	697	750	692	689	665	691	765
02/10/2011	CST	748	738	734	736	740	777	854	739	670	728	710	677	725	700	674	667	682	669	592	578	589	661	716	742
02/11/2011	CST	721	705	695	688	685	706	700	723	694	665	637	604	633	608	580	576	579	562	591	588	582	567	544	568
02/12/2011	CST	547	540	535	534	540	553	578	572	577	564	538	516	543	510	488	486	504	514	553	552	546	531	506	535
02/13/2011	CST	508	498	490	483	485	488	506	503	513	505	486	473	502	480	466	465	487	507	549	552	541	521	483	504
02/14/2011	CST	484	474	469	470	477	509	586	589	554	535	517	499	527	506	487	483	496	510	554	558	550	531	499	526
02/15/2011	CST	511	498	496	494	503	539	605	607	563	534	507	477	489	475	465	464	490	506	552	558	550	530	489	497
02/16/2011	CST	483	473	469	469	480	516	593	594	542	508	485	475	481	458	449	466	491	504	547	551	541	520	485	500
02/17/2011	CST	488	478	479	482	493	531	602	595	562	561	553	538	560	550	556	572	599	628	682	687	691	677	646	622
02/18/2011	CST	611	609	611	621	635	688	733	726	692	663	640	621	656	639	616	609	617	612	585	592	661	658	629	685
02/19/2011	CST	674	664	655	652	655	671	694	674	691	664	648	672	706	680	655	651	645	585	549	549	571	638	622	656
02/20/2011	CST	641	632	634	637	648	662	689	672	685	677	656	642	689	670	656	653	670	662	700	698	684	663	624	676
02/21/2011	CST	667	659	655	657	663	685	692	634	668	656	581	558	581	551	540	532	543	528	524	530	522	534	617	664
02/22/2011	CST	638	616	605	603	603	636	621	571	544	533	578	617	641	624	605	600	614	622	667	671	659	633	589	621
02/23/2011	CST	601	583	574	572	575	603	609	613	624	607	590	571	601	584	576	578	600	603	639	647	641	621	589	632
02/24/2011	CST	626	624	625	639	667	705	781	763	714	672	648	625	672	659	643	650	674	670	712	725	723	709	680	733
02/25/2011	CST	722	712	706	704	705	739	810	782	741	699	674	662	641	627	679	667	700	666	661	657	684	723	701	760
02/26/2011	CST	752	749	745	742	747	760	786	751	728	749	723	688	726	694	664	653	656	646	691	709	712	699	671	721
02/27/2011	CST	708	697	688	684	680	683	707	675	673	650	614	589	631	602	573	564	575	577	626	646	642	623	589	638
02/28/2011	CST	617	610	611	617	632	669	743	720	689	627	596	573	612	590	583	598	622	622	653	661	646	624	588	617
03/01/2011	CST	602	593	586	586	595	626	701	698	679	666	656	641	699	688	674	678	695	693	742	753	712	723	693	744
03/02/2011	CST	734	726	720	721	729	764	734	631	632	636	673	645	630	634	657	700	709	692	719	722	705	679	638	677

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03/03/2011	CST	660	654	652	650	652	680	741	714	678	651	619	578	615	589	581	552	566	567	611	614	614	604	567	601
03/04/2011	CST	585	573	573	574	587	618	677	665	642	636	623	603	635	617	598	591	600	591	631	644	640	626	601	654
03/05/2011	CST	643	638	653	654	661	676	697	867	851	643	634	602	628	597	573	568	578	572	541	498	608	619	582	622
03/06/2011	CST	607	596	591	589	592	605	623	602	608	597	576	552	588	567	551	556	572	576	615	638	634	614	582	627
03/07/2011	CST	621	619	621	625	639	676	749	723	687	646	627	604	639	614	593	591	599	602	653	682	678	659	621	666
03/08/2011	CST	880	856	658	662	673	708	648	598	694	670	629	598	637	616	594	602	624	602	546	539	606	631	579	596
03/09/2011	CST	573	559	529	524	531	574	639	628	587	565	540	519	541	525	518	524	543	545	572	590	586	561	530	564
03/10/2011	CST	557	551	552	558	574	613	683	669	626	553	528	552	573	549	533	522	528	529	570	597	598	577	546	572
03/11/2011	CST	555	539	532	528	535	563	601	586	571	549	523	505	525	505	484	485	508	505	526	536	528	522	508	554
03/12/2011	CST	559	566	574	583	594	614	641	622	640	640	634	619	658	634	617	617	633	616	636	636	621	602	572	626
03/13/2011	CST	620	609	605	603	602	616	597	607	603	581	553	589	556	529	515	515	507	529	574	608	607	578	615	607
03/14/2011	CST	597	591	587	593	619	681	686	652	633	615	548	567	578	546	531	529	518	530	551	567	546	510	520	498
03/15/2011	CST	485	477	472	480	507	575	589	554	535	518	488	507	485	464	454	444	434	447	477	513	502	472	483	466
03/16/2011	CST	461	463	468	483	518	590	606	557	517	500	488	518	505	478	472	475	467	476	496	519	509	471	475	451
03/17/2011	CST	440	430	431	441	471	541	560	532	518	504	485	498	479	466	465	477	481	498	519	539	527	497	525	515
03/18/2011	CST	509	510	513	526	559	627	632	602	574	548	526	555	530	502	489	489	474	480	502	527	518	495	527	508
03/19/2011	CST	498	494	495	502	516	540	538	549	554	548	532	557	531	510	505	508	495	496	506	514	500	472	486	462
03/20/2011	CST	450	444	442	447	453	473	478	494	501	502	503	542	524	500	487	491	488	496	515	528	511	476	490	466
03/21/2011	CST	456	453	456	464	492	561	560	467	494	564	519	540	520	605	499	504	497	501	512	522	502	468	474	456
03/22/2011	CST	447	443	445	462	495	568	584	557	553	553	546	591	580	583	562	579	568	568	574	576	551	519	548	531
03/23/2011	CST	523	522	524	535	569	626	597	625	597	579	557	583	560	538	530	525	507	512	533	572	564	531	561	546
03/24/2011	CST	541	543	550	588	609	644	558	518	494	480	466	497	468	445	497	512	481	486	512	556	554	525	549	539
03/25/2011	CST	535	539	547	565	602	671	592	510	488	475	467	502	546	529	505	494	466	466	486	526	522	503	535	524
03/26/2011	CST	520	525	532	545	567	595	582	579	562	538	516	538	504	477	461	453	437	446	465	505	507	487	522	514
03/27/2011	CST	510	516	524	537	551	579	565	560	533	502	481	516	488	461	450	448	437	448	475	517	511	483	610	503
03/28/2011	CST	500	507	520	540	580	660	649	573	525	505	519	536	499	480	478	473	460	470	492	529	522	492	505	496
03/29/2011	CST	491	497	505	525	567	594	580	594	559	526	497	513	486	470	457	456	446	452	449	444	472	491	489	475
03/30/2011	CST	471	474	480	498	535	611	609	559	531	527	508	529	512	490	490	498	496	502	511	498	508	478	484	463
03/31/2011	CST	451	449	449	459	490	561	559	494	476	458	454	520	515	498	490	497	490	493	498	512	494	458	468	448
04/01/2011	CST	435	432	432	443	477	549	553	523	509	499	482	600	481	464	456	457	441	435	441	449	447	448	464	447
04/02/2011	CST	439	438	440	445	460	489	487	494	405	442	427	481	457	423	412	411	405	410	421	445	439	419	430	412
04/03/2011	CST	407	410	414	420	434	456	462	480	491	490	491	533	517	495	491	502	500	503	507	521	501	463	479	463
04/04/2011	CST	455	460	465	476	513	586	576	533	509	488	478	502	485	477	476	476	467	470	479	514	508	472	483	466
04/05/2011	CST	460	457	462	475	511	582	578	530	486	467	458	518	481	459	446	446	440	446	458	483	476	444	447	430

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04/06/2011	CST	426	430	435	449	494	572	573	529	492	471	453	465	446	432	425	425	417	423	430	453	468	431	427	409
04/07/2011	CST	403	405	414	428	466	541	546	522	511	508	503	519	496	472	466	466	454	458	466	485	467	431	413	384
04/08/2011	CST	371	376	376	383	429	506	516	490	471	451	428	442	432	421	414	415	396	391	393	419	417	399	392	369
04/09/2011	CST	356	355	355	361	374	396	409	431	443	441	431	436	411	397	393	391	390	393	398	412	404	380	378	356
04/10/2011	CST	343	340	340	342	353	375	391	417	432	442	450	491	478	464	457	461	458	460	460	470	454	421	421	403
04/11/2011	CST	400	400	405	419	453	522	520	483	463	444	433	445	429	405	391	400	395	396	400	427	427	390	374	356
04/12/2011	CST	349	349	353	367	405	475	488	455	435	422	413	424	432	390	384	392	396	404	410	429	421	387	376	357
04/13/2011	CST	350	355	363	379	421	498	515	494	492	484	475	495	484	467	463	463	455	460	470	502	505	471	477	463
04/14/2011	CST	458	457	461	474	511	584	576	540	508	472	460	497	494	473	465	463	450	456	469	497	494	460	458	442
04/15/2011	CST	436	435	437	448	479	550	581	544	540	531	536	562	540	520	511	515	503	503	499	504	495	463	474	452
04/16/2011	CST	439	430	430	434	446	466	467	480	486	477	464	481	458	449	453	459	457	460	463	480	479	457	474	457
04/17/2011	CST	443	440	441	448	461	479	474	477	466	453	442	465	446	429	423	430	431	444	461	481	478	444	449	430
04/18/2011	CST	425	423	428	439	476	534	525	516	545	505	485	501	489	475	468	473	468	470	473	490	494	458	461	446
04/19/2011	CST	441	440	445	457	495	559	555	510	487	470	453	475	456	439	436	438	436	442	453	475	459	445	434	414
04/20/2011	CST	406	408	412	423	461	531	541	511	494	480	452	472	458	445	438	437	429	427	430	460	473	441	443	426
04/21/2011	CST	421	423	428	444	482	548	544	514	500	486	477	496	484	475	475	484	481	482	477	491	484	451	450	427
04/22/2011	CST	413	407	405	414	437	480	472	481	485	486	490	507	492	477	471	472	459	453	446	457	445	418	427	404
04/23/2011	CST	392	387	382	385	395	413	422	437	444	439	429	433	408	387	374	368	362	364	367	384	397	379	380	359
04/24/2011	CST	353	354	356	362	381	402	403	405	396	382	371	375	351	338	328	328	325	331	342	363	376	353	340	324
04/25/2011	CST	318	320	325	342	381	436	454	442	437	432	425	434	418	408	401	392	383	387	392	407	416	380	353	333
04/26/2011	CST	322	318	317	328	361	428	459	444	439	434	426	437	429	418	414	415	421	422	424	437	435	395	378	355
04/27/2011	CST	346	341	346	358	395	460	478	452	437	426	422	434	423	415	407	412	410	417	417	431	441	407	391	370
04/28/2011	CST	361	357	361	377	414	480	488	454	432	424	412	438	416	392	380	373	368	372	373	392	412	379	357	338
04/29/2011	CST	328	325	331	346	380	438	452	428	417	410	404	409	396	384	374	370	363	365	366	374	376	352	338	314
04/30/2011	CST	304	302	304	310	323	349	369	398	423	429	432	442	426	409	404	411	415	415	415	423	425	407	416	406
05/01/2011	CST	403	408	412	420	436	452	462	490	516	513	509	508	502	493	492	498	510	511	514	517	512	472	438	423
05/02/2011	CST	422	422	425	435	471	532	552	520	497	481	467	452	441	427	419	418	418	418	418	433	455	423	388	372
05/03/2011	CST	370	374	382	397	438	498	512	471	450	440	429	417	412	403	396	392	391	392	394	411	432	400	360	344
05/04/2011	CST	341	342	348	364	402	461	491	465	454	450	446	438	433	428	422	431	436	443	439	443	450	415	377	359
05/05/2011	CST	354	353	355	368	403	463	487	458	440	432	421	414	408	401	397	394	392	393	396	409	430	400	361	341
05/06/2011	CST	332	335	339	353	387	444	470	445	430	420	408	387	378	372	380	375	360	344	360	390	373	329	303	
05/07/2011	CST	295	300	302	310	326	328	349	374	386	388	380	368	354	338	334	332	326	326	326	329	348	328	298	280
05/08/2011	CST	269	264	264	266	274	284	314	346	359	359	353	349	340	332	332	334	338	341	351	364	372	338	302	282
05/09/2011	CST	270	269	270	280	312	373	416	405	399	399	401	395	388	381	376	377	381	386	387	393	398	358	312	287

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Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
05/10/2011	CST	276	274	271	278	308	366	404	393	391	389	390	380	376	379	380	379	379	379	375	382	397	361	312	288
05/11/2011	CST	277	270	271	279	308	367	408	395	391	389	384	377	374	366	363	364	368	374	378	392	402	364	325	304
05/12/2011	CST	297	295	295	307	342	409	453	439	436	432	424	414	407	401	400	409	421	426	428	438	444	409	370	347
05/13/2011	CST	335	333	338	345	380	441	476	464	457	451	443	433	426	421	424	432	440	442	441	444	447	422	390	370
05/14/2011	CST	360	355	353	356	368	387	415	439	449	448	439	427	410	392	381	372	372	371	368	371	391	380	349	331
05/15/2011	CST	325	326	328	336	342	350	363	374	378	373	369	367	355	342	336	340	348	353	358	366	383	359	317	296
05/16/2011	CST	289	291	297	312	343	406	434	413	404	402	397	389	381	375	370	369	370	370	368	379	403	378	329	303
05/17/2011	CST	298	292	280	289	328	396	429	409	399	401	399	392	391	388	380	380	383	383	389	395	413	386	339	310
05/18/2011	CST	297	293	293	305	334	395	426	408	407	397	390	386	387	381	384	386	388	382	367	374	415	393	341	312
05/19/2011	CST	299	292	290	297	323	381	421	409	387	379	377	373	371	369	367	376	388	388	389	402	420	392	337	304
05/20/2011	CST	289	281	275	283	300	354	399	394	391	393	393	392	390	388	382	379	381	381	375	373	377	351	319	291
05/21/2011	CST	277	270	266	268	282	298	325	356	384	389	394	392	387	376	375	371	371	367	361	353	368	355	323	299
05/22/2011	CST	286	280	280	281	283	287	312	335	360	368	373	375	361	353	354	360	374	374	366	365	377	360	319	292
05/23/2011	CST	282	278	279	284	304	359	401	397	396	382	389	394	395	391	384	388	394	401	395	399	408	381	335	315
05/24/2011	CST	305	299	298	309	336	397	439	429	425	419	416	396	385	377	382	384	373	362	363	379	406	394	353	329
05/25/2011	CST	317	316	318	331	357	416	443	421	413	405	408	400	394	383	381	381	383	384	370	368	392	386	347	325
05/26/2011	CST	318	317	319	330	350	409	439	418	405	401	396	390	390	385	380	379	379	380	382	390	409	391	347	320
05/27/2011	CST	309	304	303	307	331	381	424	428	432	439	437	428	415	395	390	379	379	381	376	375	380	367	338	314
05/28/2011	CST	309	301	300	304	307	317	345	371	384	383	375	367	355	346	342	343	342	337	339	357	359	332	306	306
05/29/2011	CST	279	278	278	279	279	287	313	340	354	351	351	346	331	315	307	303	310	314	316	320	333	323	297	274
05/30/2011	CST	262	257	256	258	259	264	284	317	346	359	369	368	365	351	347	352	361	369	367	357	340	331	275	254
05/31/2011	CST	243	236	236	244	265	311	357	365	376	384	382	379	379	376	376	382	390	391	391	388	389	363	323	302
06/01/2011	CST	290	290	288	296	318	369	401	390	386	383	379	373	364	366	363	361	362	363	363	369	381	369	324	293
06/02/2011	CST	277	271	269	276	295	344	384	381	383	385	380	375	374	371	371	371	371	372	370	376	387	372	329	299
06/03/2011	CST	281	270	262	266	285	325	371	386	407	419	423	422	423	420	416	411	406	400	386	376	375	368	330	295
06/04/2011	CST	275	265	260	260	261	277	311	342	359	364	363	362	355	350	348	349	349	349	348	342	348	344	313	288
06/05/2011	CST	272	264	261	260	258	262	288	317	333	339	350	359	352	343	352	365	370	384	394	391	394	378	330	296
06/06/2011	CST	280	271	265	267	281	339	387	409	428	447	458	469	476	470	475	482	486	481	472	460	458	437	379	341
06/07/2011	CST	319	300	288	286	304	347	390	397	408	424	434	438	450	454	458	464	467	468	459	443	431	403	347	313
06/08/2011	CST	292	288	282	285	304	349	383	383	391	395	399	406	410	404	393	398	395	395	393	391	398	387	346	315
06/09/2011	CST	302	317	316	322	336	390	410	409	409	408	406	402	400	395	389	387	387	386	386	389	397	381	344	315
06/10/2011	CST	301	291	288	294	309	350	390	400	405	408	406	400	395	385	377	377	375	371	367	364	368	362	332	306
06/11/2011	CST	293	286	288	291	292	307	331	353	366	370	368	362	356	349	348	352	355	355	351	350	356	353	323	298
06/12/2011	CST	284	276	271	269	266	272	299	317	327	337	346	349	343	336	338	342	350	353	351	346	352	361	325	294

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Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
06/13/2011	CST	286	290	290	295	318	366	405	411	414	421	422	423	425	403	397	398	404	404	398	394	398	386	340	307
06/14/2011	CST	299	287	282	284	298	344	408	397	402	410	417	420	423	423	422	420	420	415	408	400	399	377	333	311
06/15/2011	CST	299	288	283	285	305	346	383	394	392	394	405	408	404	400	403	404	405	404	400	398	397	384	343	314
06/16/2011	CST	297	286	283	287	303	346	386	397	407	415	417	420	421	419	423	424	425	420	412	409	412	402	354	320
06/17/2011	CST	300	290	285	289	297	339	380	396	407	407	413	412	405	396	396	390	388	386	380	374	380	362	322	290
06/18/2011	CST	270	263	260	263	270	279	317	352	370	378	386	385	382	377	381	385	391	388	375	363	362	358	325	297
06/19/2011	CST	279	269	262	258	263	266	292	327	355	371	380	384	385	383	388	395	406	408	405	400	404	389	343	311
06/20/2011	CST	294	287	281	280	294	339	379	393	404	418	424	429	425	418	413	411	412	411	406	403	402	382	322	289
06/21/2011	CST	283	278	275	279	298	329	367	379	381	393	401	398	397	393	391	388	397	409	397	393	397	362	328	308
06/22/2011	CST	300	288	280	282	305	353	394	404	409	413	416	412	410	388	378	387	396	397	393	393	399	380	346	318
06/23/2011	CST	305	296	291	296	313	358	398	401	406	401	392	393	391	388	391	393	391	400	409	411	413	402	359	327
06/24/2011	CST	301	269	262	266	280	320	368	392	401	407	399	413	421	413	406	400	393	385	374	367	378	379	346	313
06/25/2011	CST	295	275	269	270	271	286	316	353	380	390	399	391	387	387	389	394	398	396	388	383	384	371	328	296
06/26/2011	CST	281	272	265	263	259	265	290	331	357	366	371	375	367	365	367	373	387	391	382	377	373	361	321	290
06/27/2011	CST	275	266	264	261	282	322	365	386	398	408	410	406	407	406	406	399	397	396	398	388	388	385	343	307
06/28/2011	CST	298	289	283	283	297	334	371	381	397	406	417	421	420	420	420	416	423	425	419	414	410	400	354	316
06/29/2011	CST	300	290	285	290	302	348	389	415	426	453	463	477	488	494	486	490	491	494	495	487	486	474	418	368
06/30/2011	CST	346	334	323	325	340	388	442	465	491	514	533	544	553	553	554	552	543	541	545	531	529	511	460	413
07/01/2011	CST	378	361	350	348	354	380	422	440	457	466	480	491	493	486	480	467	451	435	427	420	414	404	370	334
07/02/2011	CST	312	299	292	286	279	296	320	364	396	416	419	421	419	408	407	410	418	428	424	413	397	391	356	323
07/03/2011	CST	301	288	278	271	266	272	304	341	374	383	402	409	411	421	425	433	440	438	430	415	404	395	366	331
07/04/2011	CST	308	291	282	275	268	278	310	364	409	441	458	465	461	461	471	479	491	480	471	450	434	399	366	330
07/05/2011	CST	311	297	283	285	300	338	387	418	451	473	487	496	496	491	483	488	496	494	487	473	453	433	377	336
07/06/2011	CST	311	299	299	300	314	352	394	414	432	451	455	440	452	465	476	483	486	481	468	457	466	448	394	356
07/07/2011	CST	328	316	310	310	318	361	406	435	466	487	494	498	505	517	521	525	513	507	501	484	489	470	413	366
07/08/2011	CST	342	320	307	308	316	364	403	430	451	472	480	485	492	493	500	497	491	477	472	455	433	414	361	330
07/09/2011	CST	320	310	303	299	302	314	346	388	422	444	460	468	473	475	480	487	491	490	477	457	438	423	380	342
07/10/2011	CST	316	300	289	286	273	276	309	355	390	414	435	452	460	460	459	458	465	454	439	417	407	395	351	319
07/11/2011	CST	297	288	286	289	302	344	391	415	436	449	459	462	465	465	466	466	465	461	448	431	423	403	353	317
07/12/2011	CST	297	286	281	281	292	335	374	382	384	392	397	404	417	417	422	424	431	433	414	398	395	380	336	323
07/13/2011	CST	302	282	288	289	301	338	378	389	392	394	412	417	420	421	420	418	406	402	396	404	404	392	353	323
07/14/2011	CST	301	287	280	282	294	332	372	386	396	403	408	409	409	406	398	395	396	396	389	396	397	380	343	309
07/15/2011	CST	290	285	271	271	290	325	366	390	421	446	464	478	492	501	506	502	499	500	493	477	473	463	415	377
07/16/2011	CST	350	335	323	317	320	332	368	405	425	444	453	454	458	463	476	488	497	491	474	458	452	435	397	366

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Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
07/17/2011	CST	356	347	338	330	328	328	363	406	454	483	508	515	511	502	492	490	495	492	489	482	473	455	399	360
07/18/2011	CST	321	316	324	331	344	389	444	480	499	526	554	567	549	491	491	481	467	513	527	532	533	495	437	403
07/19/2011	CST	369	347	343	349	360	384	424	446	475	501	520	533	541	544	556	565	562	559	550	535	535	503	441	396
07/20/2011	CST	370	361	359	357	373	402	441	469	466	486	495	508	526	532	547	552	547	529	521	494	481	455	402	359
07/21/2011	CST	335	320	308	308	320	359	400	425	449	462	477	464	479	495	505	514	516	514	502	482	482	461	407	372
07/22/2011	CST	350	334	325	325	339	373	418	448	468	489	501	507	509	500	504	504	500	489	465	440	434	406	361	321
07/23/2011	CST	300	280	278	265	265	271	295	328	362	395	394	394	391	375	376	373	374	371	363	363	370	355	328	303
07/24/2011	CST	288	279	274	272	270	270	294	331	351	366	376	378	381	385	391	416	428	428	419	412	418	396	349	316
07/25/2011	CST	297	291	288	299	315	352	398	426	430	446	456	468	478	478	495	512	519	515	500	478	472	443	387	345
07/26/2011	CST	323	310	304	306	320	358	401	417	409	422	431	438	471	479	474	464	463	462	447	436	433	403	358	328
07/27/2011	CST	310	300	297	299	323	360	397	415	428	436	447	453	467	479	498	513	519	512	500	484	481	448	392	353
07/28/2011	CST	330	315	304	304	319	353	400	422	445	465	473	489	500	500	504	505	504	501	485	469	467	435	383	344
07/29/2011	CST	320	308	297	298	313	344	389	420	445	463	478	477	481	491	502	507	506	497	481	455	433	405	360	322
07/30/2011	CST	293	284	287	289	295	304	335	374	400	415	435	455	469	477	483	490	497	492	483	466	462	441	394	360
07/31/2011	CST	336	322	312	307	301	300	329	378	420	438	460	472	481	482	472	475	483	482	468	459	452	426	379	344
08/01/2011	CST	325	298	285	292	309	337	379	401	430	467	497	512	524	528	521	520	525	520	502	495	493	453	399	362
08/02/2011	CST	344	330	327	329	346	388	422	438	456	474	490	495	498	496	502	500	502	496	476	454	450	416	359	315
08/03/2011	CST	293	280	270	271	293	325	362	378	402	422	435	444	451	454	464	471	474	466	455	443	446	416	365	327
08/04/2011	CST	307	293	282	282	299	334	377	402	420	442	458	473	488	497	506	515	518	515	500	483	484	448	396	354
08/05/2011	CST	328	313	298	295	306	339	378	404	433	455	471	482	493	492	495	493	485	474	455	435	436	400	357	323
08/06/2011	CST	301	286	278	275	281	285	305	336	367	380	389	388	389	386	381	377	372	366	356	350	353	333	301	281
08/07/2011	CST	265	258	254	248	251	249	274	309	334	351	368	381	385	388	397	407	422	425	418	403	406	371	321	292
08/08/2011	CST	277	264	256	255	265	319	358	384	403	425	436	457	462	459	457	453	452	449	435	421	423	384	339	312
08/09/2011	CST	292	281	281	282	301	337	373	384	399	411	418	422	427	420	430	432	435	435	427	421	428	392	348	320
08/10/2011	CST	301	290	286	291	309	343	381	393	411	426	435	445	458	458	465	472	485	487	474	463	466	422	368	337
08/11/2011	CST	317	303	297	299	318	346	386	404	421	435	451	461	465	468	473	474	476	462	448	439	439	405	359	327
08/12/2011	CST	313	298	292	296	310	343	381	401	416	426	431	437	452	454	451	446	433	422	409	398	394	367	331	305
08/13/2011	CST	290	281	282	286	293	299	329	367	398	414	427	433	432	437	440	423	422	423	409	407	424	389	341	323
08/14/2011	CST	306	293	289	285	287	286	311	348	383	401	416	433	439	441	437	454	472	469	460	457	464	422	370	339
08/15/2011	CST	323	313	308	310	328	374	408	428	445	461	473	483	490	500	513	524	533	532	518	508	503	453	400	368
08/16/2011	CST	350	334	314	322	347	394	427	441	447	474	488	500	504	505	510	516	517	507	481	467	469	424	374	339
08/17/2011	CST	325	311	306	308	328	366	400	413	427	440	456	462	466	468	478	486	495	491	480	465	466	424	374	341
08/18/2011	CST	315	301	285	275	294	335	367	401	431	448	464	480	485	496	508	517	512	508	510	508	509	457	395	359
08/19/2011	CST	326	315	305	305	320	354	389	413	433	444	450	446	444	437	437	435	438	431	416	410	416	386	350	325

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Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
08/20/2011	CST	313	305	298	297	308	317	333	363	394	408	414	416	414	406	402	398	397	397	384	387	394	370	340	320
08/21/2011	CST	307	300	297	296	293	278	286	321	358	390	404	412	414	419	420	426	447	454	450	446	443	390	348	328
08/22/2011	CST	311	305	301	303	325	363	403	421	444	460	478	491	506	514	505	528	546	550	541	539	531	479	420	369
08/23/2011	CST	350	329	320	318	348	400	429	444	469	496	517	532	505	477	490	499	505	509	538	559	552	492	432	392
08/24/2011	CST	365	348	337	334	351	393	424	442	459	470	480	485	493	471	475	497	513	511	498	494	487	425	374	342
08/25/2011	CST	325	315	309	312	334	378	410	414	434	451	460	465	478	492	504	509	520	517	503	504	496	446	400	370
08/26/2011	CST	352	340	333	332	349	395	434	450	468	485	493	498	503	505	507	507	502	486	467	453	446	409	368	341
08/27/2011	CST	322	314	304	295	312	325	347	378	403	417	418	419	416	412	415	417	420	425	417	419	417	392	361	338
08/28/2011	CST	323	312	308	307	310	319	334	363	388	407	423	434	440	445	454	460	473	476	469	474	467	419	373	339
08/29/2011	CST	328	325	320	325	346	397	431	443	453	472	490	509	523	534	540	549	552	547	533	530	514	458	402	371
08/30/2011	CST	356	345	337	335	355	408	439	437	446	456	456	461	461	452	439	440	443	442	442	449	429	394	357	332
08/31/2011	CST	316	307	299	307	333	392	422	426	432	419	430	441	450	456	459	469	478	481	478	490	477	431	386	356
09/01/2011	CST	340	314	288	289	309	367	409	426	450	478	488	500	514	519	506	524	519	511	499	504	490	443	389	353
09/02/2011	CST	337	327	322	322	338	383	416	424	443	454	462	462	465	465	465	468	463	465	428	429	413	378	353	329
09/03/2011	CST	313	301	296	294	298	304	316	347	371	388	388	381	374	367	363	355	346	343	340	352	361	338	318	299
09/04/2011	CST	287	280	276	278	281	286	306	331	330	339	352	356	352	342	342	346	354	355	351	368	366	350	324	298
09/05/2011	CST	284	291	291	293	299	310	327	359	364	371	385	384	370	380	388	401	413	421	428	443	425	378	336	315
09/06/2011	CST	304	298	298	300	312	385	425	415	422	426	432	439	446	447	436	439	461	461	456	471	446	395	353	325
09/07/2011	CST	307	297	296	301	324	385	412	398	406	419	432	439	453	460	469	481	493	492	483	494	467	411	364	331
09/08/2011	CST	319	309	304	309	332	391	420	415	427	443	454	460	474	484	500	515	519	513	500	511	489	435	392	363
09/09/2011	CST	348	332	324	324	339	407	430	431	444	459	470	482	493	501	508	515	517	508	486	487	466	425	384	350
09/10/2011	CST	331	321	313	314	323	338	359	397	423	441	458	466	473	478	486	490	490	479	461	460	437	396	360	331
09/11/2011	CST	317	303	296	294	295	302	317	350	379	400	423	446	462	470	482	496	501	497	487	498	464	409	362	337
09/12/2011	CST	320	312	311	315	340	402	437	431	436	445	451	453	448	444	435	429	421	416	425	448	427	383	343	324
09/13/2011	CST	312	300	296	301	328	395	418	404	400	373	371	368	390	396	402	404	406	406	417	445	423	385	352	334
09/14/2011	CST	323	316	313	320	353	426	459	443	420	398	389	387	395	395	401	406	414	423	436	467	451	411	374	347
09/15/2011	CST	330	327	336	352	383	458	486	458	441	427	412	409	405	397	391	393	393	401	417	451	435	398	364	347
09/16/2011	CST	339	334	333	347	376	444	477	458	445	437	423	414	410	407	408	411	418	422	427	439	423	394	367	347
09/17/2011	CST	333	328	323	327	339	359	384	408	417	390	391	397	390	380	374	368	381	388	399	402	381	353	325	305
09/18/2011	CST	295	289	286	286	291	308	331	357	374	382	385	386	382	374	373	376	384	391	404	417	398	359	324	307
09/19/2011	CST	300	302	300	309	337	404	430	418	411	408	404	404	403	399	395	400	404	408	418	436	408	359	331	310
09/20/2011	CST	301	289	287	294	320	385	423	409	409	406	404	398	402	395	395	396	404	411	429	432	405	362	325	304
09/21/2011	CST	295	290	291	297	323	393	430	412	411	415	413	410	411	412	413	420	425	431	443	449	428	386	354	338
09/22/2011	CST	330	325	326	335	365	442	472	444	433	424	414	402	404	398	393	391	392	398	420	439	418	385	350	335

**Annual Electric Balancing Authority Area and Planning  
 Area Report**  
 For the Year Ending December 31, 2011

Utility Code: 12658  
 Utility Name: Minnkota Power Cooperative, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
09/23/2011	CST	328	324	325	338	367	436	469	448	433	421	416	404	398	392	388	373	370	368	393	414	397	372	345	326
09/24/2011	CST	317	311	310	318	334	358	374	395	396	389	382	374	369	365	365	368	369	366	378	388	370	343	319	301
09/25/2011	CST	287	282	282	285	295	315	336	363	371	367	370	369	360	350	353	361	371	378	400	408	385	346	312	298
09/26/2011	CST	285	283	287	301	333	404	439	423	418	417	405	408	401	400	410	410	412	420	443	452	423	379	344	321
09/27/2011	CST	315	307	301	310	340	412	442	421	412	418	418	412	415	415	416	421	421	427	445	455	425	379	339	317
09/28/2011	CST	304	298	295	299	326	398	428	405	406	408	413	414	417	419	424	427	428	423	440	449	420	375	340	317
09/29/2011	CST	307	299	293	298	321	388	425	402	404	400	388	384	380	385	387	388	395	401	427	437	414	374	339	322
09/30/2011	CST	313	310	309	316	346	418	456	437	425	417	404	394	388	378	368	369	367	369	390	400	387	365	339	319
10/01/2011	CST	307	303	306	313	328	357	386	413	426	429	415	407	395	383	382	381	383	386	406	409	390	363	340	321
10/02/2011	CST	309	306	306	309	315	333	355	378	386	385	387	388	385	378	386	395	403	408	444	445	414	371	336	315
10/03/2011	CST	304	301	299	304	333	399	432	416	415	420	424	423	417	405	424	435	443	442	467	464	434	388	347	321
10/04/2011	CST	287	279	275	282	320	394	433	407	403	407	410	412	416	421	426	433	436	435	457	460	430	387	346	324
10/05/2011	CST	313	322	320	322	346	414	440	419	419	428	439	446	450	452	451	457	468	471	488	481	447	399	356	330
10/06/2011	CST	313	304	299	304	328	396	430	411	411	410	419	424	426	426	427	425	424	430	463	460	434	389	350	319
10/07/2011	CST	305	294	291	301	323	386	429	415	426	435	435	429	432	428	422	402	399	393	407	410	390	340	308	291
10/08/2011	CST	276	268	285	289	301	327	350	376	394	397	395	387	382	374	374	373	381	389	405	393	374	350	322	307
10/09/2011	CST	298	290	289	300	307	319	353	390	403	409	414	412	409	404	406	416	415	420	439	428	400	366	338	318
10/10/2011	CST	306	298	300	306	333	400	442	426	424	424	416	414	415	410	393	396	418	428	452	444	419	377	341	323
10/11/2011	CST	314	288	285	306	343	417	454	421	414	411	408	409	409	404	403	407	411	421	450	442	406	361	328	311
10/12/2011	CST	298	292	292	299	325	393	436	413	413	413	409	405	410	407	403	407	416	425	445	445	418	371	338	321
10/13/2011	CST	317	312	310	318	349	421	459	431	431	428	421	404	395	388	388	398	407	425	454	449	424	389	359	343
10/14/2011	CST	335	331	330	337	363	434	477	460	462	470	465	460	460	450	444	445	450	462	484	474	456	432	403	383
10/15/2011	CST	368	365	365	372	387	415	445	463	466	459	451	437	426	413	408	410	417	434	461	456	438	414	392	377
10/16/2011	CST	367	364	363	367	377	399	430	451	456	454	451	446	437	425	421	430	445	472	505	492	468	433	403	390
10/17/2011	CST	384	383	379	387	412	488	534	515	500	495	483	480	470	458	458	465	474	490	509	502	492	464	427	417
10/18/2011	CST	415	410	410	421	451	525	565	529	517	512	507	497	492	478	474	483	500	532	565	557	534	495	464	444
10/19/2011	CST	434	430	428	438	470	541	580	546	527	512	504	490	477	469	467	476	486	509	537	527	508	474	444	430
10/20/2011	CST	425	427	430	443	474	535	576	559	525	510	496	477	460	444	433	429	436	475	508	513	494	463	442	420
10/21/2011	CST	410	409	418	431	459	512	552	549	536	513	472	444	451	443	452	445	444	468	492	487	475	451	426	413
10/22/2011	CST	406	403	406	413	432	465	500	516	518	503	477	451	432	416	409	405	411	426	442	431	411	395	376	364
10/23/2011	CST	357	360	362	366	376	397	432	454	465	459	445	437	421	406	402	404	418	449	485	477	457	425	399	385
10/24/2011	CST	380	382	386	397	433	513	561	537	524	511	492	473	455	442	440	447	466	502	518	503	482	446	417	396
10/25/2011	CST	390	390	393	402	432	506	552	527	515	489	474	458	448	444	455	463	487	518	531	528	501	466	435	421
10/26/2011	CST	414	411	410	417	447	515	557	525	497	481	462	448	436	432	434	450	470	504	523	522	499	463	428	416

**Annual Electric Balancing Authority Area and Planning  
 Area Report  
 For the Year Ending December 31, 2011**

Utility Code: 12658  
 Utility Name: Minnkota Power Cooperative, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)
10/27/2011	CST	411	406	404	422	459	538	590	560	532	516	504	486	469	456	459	463	480	519	542	534	511	477	444	426
10/28/2011	CST	417	408	408	418	451	526	572	541	518	502	486	469	456	444	444	441	448	479	497	492	479	455	432	419
10/29/2011	CST	414	416	420	433	450	480	517	534	525	509	490	465	448	436	435	438	447	471	476	461	445	419	397	382
10/30/2011	CST	374	373	371	377	390	409	445	465	467	465	466	461	457	449	448	456	475	502	508	492	467	432	404	391
10/31/2011	CST	385	384	386	401	437	515	563	536	521	509	493	471	450	432	430	435	438	454	463	479	470	431	402	387
11/01/2011	CST	381	377	379	389	420	497	547	524	512	504	485	467	456	446	444	455	473	513	531	529	508	474	445	426
11/02/2011	CST	426	419	417	427	464	547	592	562	538	515	497	477	463	455	454	460	474	528	552	546	524	489	456	446
11/03/2011	CST	444	445	448	465	501	585	629	594	560	539	517	484	468	456	456	460	474	518	535	532	514	477	447	433
11/04/2011	CST	427	424	428	435	468	543	586	565	543	513	487	464	449	436	432	436	451	487	498	491	477	455	427	415
11/05/2011	CST	410	409	410	416	429	462	486	499	497	480	464	442	421	407	405	414	430	466	472	461	444	418	389	370
11/06/2011	CST	360	360	360	363	369	393	413	430	442	457	469	479	488	488	492	506	526	560	566	559	539	505	451	431
11/07/2011	CST	418	430	431	436	450	488	551	574	548	537	534	519	493	495	498	511	518	564	560	538	584	554	512	485
11/08/2011	CST	474	467	470	475	488	528	604	623	579	543	514	483	463	449	443	454	478	537	542	531	520	494	458	431
11/09/2011	CST	423	423	423	430	447	489	565	586	528	505	495	502	499	508	517	532	556	592	594	582	568	540	500	468
11/10/2011	CST	455	455	452	458	475	516	584	608	576	555	525	509	497	493	493	495	511	570	582	576	563	542	512	484
11/11/2011	CST	470	464	459	461	469	502	558	583	566	545	523	499	477	467	448	450	462	506	523	517	506	499	475	450
11/12/2011	CST	442	440	442	444	455	477	507	527	532	520	505	490	469	453	438	436	454	495	500	493	481	461	432	408
11/13/2011	CST	392	389	394	401	409	428	449	476	492	498	500	497	488	478	465	462	485	539	550	548	536	512	476	451
11/14/2011	CST	437	433	436	440	452	492	565	597	572	558	542	524	504	509	504	503	523	577	587	576	547	529	492	469
11/15/2011	CST	462	460	457	463	480	522	597	625	582	566	554	548	547	551	558	568	591	630	631	620	604	582	538	487
11/16/2011	CST	478	478	495	517	528	559	636	661	623	590	573	572	566	568	565	594	629	681	683	671	659	630	591	565
11/17/2011	CST	552	550	550	553	570	609	688	679	622	610	619	592	572	557	560	584	620	659	655	648	636	608	564	534
11/18/2011	CST	518	512	506	504	516	549	616	648	621	609	598	588	573	564	553	554	574	607	608	595	585	574	552	533
11/19/2011	CST	521	517	519	525	535	563	598	634	658	678	680	671	656	643	634	639	660	700	698	687	675	665	622	601
11/20/2011	CST	587	577	576	577	584	596	619	650	659	638	611	590	575	559	549	554	593	657	666	665	658	640	606	581
11/21/2011	CST	570	564	562	565	576	610	686	714	676	640	609	582	561	549	536	544	576	631	640	634	626	604	565	534
11/22/2011	CST	519	518	511	509	515	544	613	627	588	565	529	532	561	546	532	527	552	586	587	583	573	549	513	524
11/23/2011	CST	503	495	493	496	508	540	594	603	609	544	521	500	510	490	473	474	496	533	534	528	513	488	463	464
11/24/2011	CST	442	433	428	425	427	446	472	500	521	533	525	503	456	413	368	363	377	412	420	425	443	447	436	421
11/25/2011	CST	417	420	423	431	441	465	495	503	506	510	506	492	505	483	470	472	496	513	506	496	485	471	447	458
11/26/2011	CST	434	424	416	416	422	437	458	470	492	510	519	524	563	550	536	540	555	552	523	517	518	510	487	513
11/27/2011	CST	491	480	475	475	480	493	518	522	527	520	505	508	551	524	503	507	527	563	571	573	563	551	519	540
11/28/2011	CST	521	516	512	513	521	547	616	620	584	542	517	500	514	509	503	503	533	571	579	580	568	545	509	529
11/29/2011	CST	515	511	515	520	543	583	660	665	620	589	560	539	564	544	520	532	566	596	601	595	585	558	519	530

**Annual Electric Balancing Authority Area and Planning  
 Area Report  
 For the Year Ending December 31, 2011**

Utility Code: 12658  
 Utility Name: Minnkota Power Cooperative, Inc.

Part III - Schedule 2. Planning Area Hourly Demand (continued)

Date (a)	Time Zone (b)	0100 (c)	0200 (d)	0300 (e)	0400 (f)	0500 (g)	0600 (h)	0700 (i)	0800 (j)	0900 (k)	1000 (l)	1100 (m)	1200 (n)	1300 (o)	1400 (p)	1500 (q)	1600 (r)	1700 (s)	1800 (t)	1900 (u)	2000 (v)	2100 (w)	2200 (x)	2300 (y)	2400 (z)	
11/30/2011	CST	509	497	489	483	489	517	585	596	563	549	541	537	568	558	548	555	578	593	591	583	573	552	515	540	
12/01/2011	CST	625	517	518	524	542	585	665	672	635	602	565	551	589	587	573	575	612	639	648	656	651	631	593	622	
12/02/2011	CST	602	588	583	579	575	606	675	678	648	622	582	568	609	592	573	567	592	609	605	593	580	559	525	536	
12/03/2011	CST	508	494	488	491	499	516	546	556	569	579	578	574	612	597	586	585	604	603	599	589	582	573	544	576	
12/04/2011	CST	557	541	512	522	529	547	568	567	580	579	577	571	620	595	573	578	613	620	619	622	623	611	571	604	
12/05/2011	CST	586	582	582	586	599	638	713	718	688	671	656	634	679	663	646	638	679	685	704	724	708	686	642	679	
12/06/2011	CST	662	654	648	647	658	691	762	756	711	684	663	641	687	674	663	669	698	700	692	684	664	629	591	602	
12/07/2011	CST	574	566	546	535	530	568	644	659	621	590	569	552	588	587	587	587	598	632	648	646	641	637	616	576	606
12/08/2011	CST	593	581	580	584	602	641	717	692	650	641	632	626	682	671	662	675	712	720	716	712	701	679	644	680	
12/09/2011	CST	663	654	650	650	662	694	765	761	720	689	663	637	682	661	646	650	676	681	690	678	668	649	622	664	
12/10/2011	CST	636	618	608	598	593	600	622	618	623	612	586	582	581	550	529	527	559	587	584	581	570	555	530	548	
12/11/2011	CST	524	506	498	495	498	510	531	537	542	528	503	495	518	495	475	478	517	563	573	577	571	557	527	564	
12/12/2011	CST	543	539	540	545	555	594	669	680	650	637	629	615	648	634	622	627	652	640	632	641	636	618	574	589	
12/13/2011	CST	559	542	532	537	545	577	644	649	617	605	599	588	604	599	612	617	631	624	616	603	588	558	519	528	
12/14/2011	CST	501	487	478	478	489	519	579	593	565	552	554	550	587	583	575	577	605	600	618	603	594	577	542	559	
12/15/2011	CST	539	526	521	518	530	570	645	660	638	624	612	605	652	642	632	646	677	692	693	691	671	669	629	657	
12/16/2011	CST	635	620	605	598	603	632	695	642	555	688	662	620	652	636	616	619	654	676	645	643	645	619	589	625	
12/17/2011	CST	597	581	572	570	572	587	609	608	619	613	591	566	593	564	540	540	566	596	597	593	591	580	555	585	
12/18/2011	CST	563	547	542	532	530	535	550	551	555	538	513	497	527	501	482	482	505	544	549	548	538	519	484	496	
12/19/2011	CST	480	475	473	479	493	533	612	628	606	592	591	586	625	616	606	607	628	644	641	636	627	617	580	605	
12/20/2011	CST	586	578	575	576	589	624	683	689	645	625	610	590	617	591	567	568	596	617	620	610	596	575	532	536	
12/21/2011	CST	513	495	486	485	495	528	598	614	587	579	571	559	591	569	557	566	606	621	620	614	606	592	550	575	
12/22/2011	CST	553	536	531	530	540	575	646	655	634	621	607	588	621	604	586	585	604	620	620	613	604	589	553	577	
12/23/2011	CST	550	527	515	509	512	529	568	576	574	563	551	541	578	568	557	556	580	596	592	585	580	569	546	527	
12/24/2011	CST	510	502	496	497	502	511	531	559	587	662	637	612	583	565	549	538	534	536	514	503	498	489	476	497	
12/25/2011	CST	473	458	449	448	450	461	482	486	497	493	482	470	486	452	434	436	461	483	489	495	486	490	472	496	
12/26/2011	CST	476	461	459	456	463	478	497	497	511	514	506	500	522	497	483	490	513	543	543	540	529	516	488	508	
12/27/2011	CST	496	493	501	513	533	572	635	641	638	639	636	626	678	666	659	669	694	667	689	674	657	633	592	623	
12/28/2011	CST	602	588	578	572	574	596	645	642	630	613	590	572	601	581	574	576	597	601	593	577	559	537	497	508	
12/29/2011	CST	485	475	473	473	487	523	582	591	591	588	582	573	609	593	578	582	601	617	617	608	597	576	540	571	
12/30/2011	CST	544	524	514	512	517	541	581	586	579	569	565	553	583	563	549	563	590	604	599	587	576	559	532	562	
12/31/2011	CST	540	521	511	504	503	511	525	521	534	547	550	545	573	543	524	527	554	571	563	650	540	529	511	548	

**Annual Electric Balancing Authority Area and Planning  
 Area Report  
 For the Year Ending December 31, 2011**

Utility Code: 12658  
 Utility Name: Minnkota Power Cooperative, Inc.

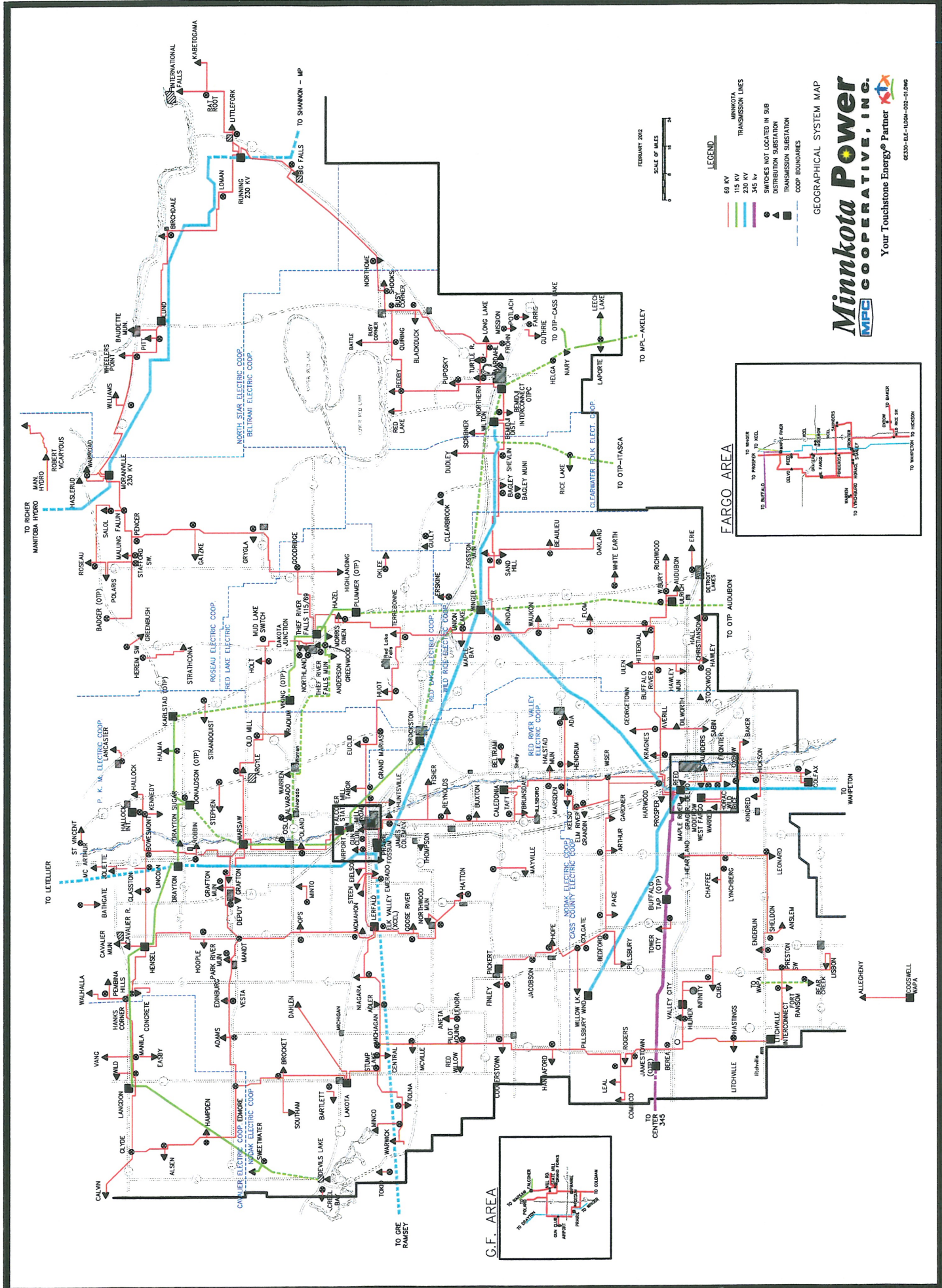
**Part III - Schedule 2. Forecast Summer and Winter Peak Demand and Annual Net Energy for Load**

Provide the planning area's forecast summer and winter peak demand, in megawatts, and annual net energy for load, in megawatthours, for the next ten years.

Line No (a)	Year (b)	Summer Forecast (MW) (c)	Winter Forecast (MW) (d)	Forecast of Annual Net Energy for Load (MWh) (e)
1	2012	597	925	4,364,752
2	2013	611	942	4,436,025
3	2014	625	959	4,512,777
4	2015	639	971	4,570,150
5	2016	653	981	4,627,192
6	2017	667	996	4,693,913
7	2018	681	1,012	4,766,362
8	2019	695	1,026	4,835,279
9	2020	709	1,041	4,917,277
10	2021	723	1,061	5,002,112

**EXHIBIT III**

Minnkota Power Cooperative Electric System Map



- LEGEND**
- 66 KV TRANSMISSION LINES
  - 115 KV TRANSMISSION LINES
  - 230 KV TRANSMISSION LINES
  - 345 KV TRANSMISSION LINES
  - SWITCHES NOT LOCATED IN SUB
  - DISTRIBUTION SUBSTATION
  - TRANSMISSION SUBSTATION
  - COOP BOUNDARIES

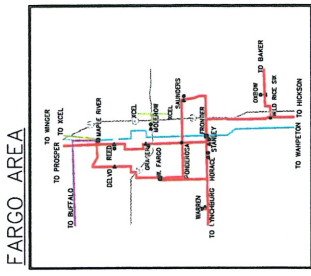
GEOGRAPHICAL SYSTEM MAP

# Minkota Power

COOPERATIVE, INC.

Your Touchstone Energy® Partner

6330-5LE-1009-002-03.DWG



**EXHIBIT IV**

**Listing of In-Service Dates for Existing Transmission Facilities**

## **Minnkota Power Cooperative, Inc.**

### **In-Service Dates For Existing Transmission Facilities**

Wahpeton - Maple River	1968
Maple River – Winger	1970
Winger - Prairie	1970
Prairie - Drayton	1970
Center - Heskett	1971
Center - Jamestown	1981
Jamestown – Buffalo	1981
Buffalo - Maple River	1981
Pillsbury – Maple River	2008