

Direct Testimony and Schedules
Harry W. Johns

Before the Minnesota Public Utilities Commission
State of Minnesota

In the Matter of the Application of Minnesota Energy Resources Corporation for Authority to
Increase Rates for Natural Gas Service in Minnesota

Docket No. G007,011/GR-10-977

Exhibit _____

**Sales Forecast, Fixed Charge Forecast and
Weather Normalization of Sales**

November 30, 2010

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1 **I. INTRODUCTION AND QUALIFICATIONS**

2 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

3 A. My name is Harry W. Johns. My business address is Integrys Energy Group, Inc.
4 (“Integrys”), 700 North Adams Street, P.O. Box 19001, Green Bay, WI 54307-9001.

5
6 Q. BY WHOM ARE YOU EMPLOYED AND WHAT IS YOUR POSITION?

7 A. I am employed by Integrys Business Support (“IBS”), a wholly-owned subsidiary of
8 Integrys. I am a Senior Load Forecaster in the Sales and Revenue Forecasting
9 Department. Minnesota Energy Resources Corporation (“MERC” or the “Company”) is
10 a wholly-owned subsidiary of Integrys.

11
12 Q. PLEASE DESCRIBE YOUR EDUCATIONAL, PROFESSIONAL, AND UTILITY
13 BACKGROUND.

14 A. I hold a Ph.D. Degree in Economics from Kansas State University – Manhattan, Kansas.
15 I also hold a Master of Arts Degree in Economics from University of Central Missouri,
16 Warrensburg, Missouri. My undergraduate Degree is in Economics, with a minor in
17 Communications, from Rhode Island College, Providence, Rhode Island. In December
18 of 2005, I was hired as a Senior Load Forecaster in the Sales and Revenue Forecasting
19 Department. As a Senior Load Forecaster, I have carried out duties including various
20 aspects of the development of the short-term and long-term electric and gas forecasts for
21 Integrys’ regulated utility subsidiaries, including MERC.

1 Q. FOR WHOM ARE YOU PROVIDING TESTIMONY?

2 A. I am providing testimony on behalf of MERC.

3

4 Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE ANY REGULATORY AGENCY?

5 A. Yes, I have. I have testified before the Arkansas Public Service Commission, the Security
6 Exchange Commission (“SEC”), and the United States Senate Banking Committee.

7

8 Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS PROCEEDING?

9 A. The purpose of my Direct Testimony is to provide an explanation of the methodology
10 used to develop MERC’s weather normalization procedure, sales forecast, fixed charge
11 count forecast and daily firm capacity (“DFC”) forecast for the 2010 projected year and
12 the proposed 2011 test year.

13

14 Q. DOES MERC HAVE ANY COMPLIANCE REQUIREMENTS RELATED TO THE
15 SALES FORECAST IN THIS PROCEEDING?

16 A. Yes, we do. In the Minnesota Public Utilities Commission’s (“Commission”) September
17 14, 2009 Order After Reconsideration in Docket No. G007,011/GR-08-835, the

18 Commission required MERC to:

19 1) Work with the OES and other interested parties in advance of its next rate case
20 filing to ensure that it has adequate sales and revenue data, its forecasting
21 technique is based on Industry standards, and it has sufficient evidence
22 substantiating its data and forecasting technique;

23

24 2) Prepare summary spreadsheets that link together its test year sales and revenue
25 estimates, the CCOSS and its rate design schedules, and provide these in its initial
26 filing; and

27

1 3) Separate sales and revenue forecasts by individual rate classes, for each of its
2 Purchased Gas Adjustment systems.
3

4 Q. HAS MERC COMPLIED WITH THESE REQUIREMENTS?

5 A. Yes, we have. First, MERC has had discussions with Office of Energy Security (“OES”)
6 about MERC’s data and forecasting techniques, and it was agreed that methodology met
7 industry standards. MERC has also provided sales forecast data to the OES in advance of
8 this filing. The second filing requirement is discussed in the Direct Testimony of Seth S.
9 DeMerritt. Third, Exhibit ____ (HWJ-1), Schedule E-1, provides separate sales forecasts
10 by individual rate classes for each Purchased Gas Adjustment system. The revenue
11 forecasts for each rate class are included in the Direct Testimony and Exhibits of Gregory
12 J. Walters.

13

1 **II. PROPOSED SALES FORECAST**

2 Q. PLEASE EXPLAIN HOW MERC’S PROPOSED 2011 GAS SALES FORECAST WAS
3 DEVELOPED.

4 A. MERC’S proposed 2011 sales forecast was developed in MetrixND, and is included here
5 as Exhibit _____ (HWJ-1), Schedule E-1. MetrixND is a statistical software package
6 developed by Itron, a utility consulting firm.

7
8 The forecasting models, in general, used Ordinary Least Squares (“OLS”) regressions,
9 with Auto Regressive (“AR”), Moving Average (“MA”), Seasonal Autoregressive
10 (“SAR”), and Seasonal Moving Average (“SMA”) components, when necessary. These
11 models are well suited for data with seasonal and cyclical components, like utility sales,
12 and are commonly used by forecasters throughout the utility industry.

13
14 Monthly historical data from July 2001 through January 2010 was used to forecast the
15 2010-2020 period.

16
17 The explanatory variables employed in this forecast are:

- 18 1. Heating Degree Days (“HDD”) variables, using 65°F as the base,
19 2. Trend variables,
20 3. Economic variables,
21 4. Demographic variables, and
22 5. Monthly binary variables.
23

1 The monthly binary variables were used to account for the strong differences in gas usage
 2 between the winter and summer months.

3
 4 The forecast regression model specifications for each pipeline and rate class are as
 5 follows.

<u>MERC-NMU</u>		
<u>Rate Class</u>	<u>Dependent Variable</u>	<u>Independent Variable(s)</u>
General Service ("GS") (i.e. Firm)	GS Sales	HDD Monthly Binary Variable AR Variable MA Variable
GS (i.e. Firm)	GS Customers	Population of MERC Service Territory SAR Variable MA Variable
Interruptible	Interruptible Sales	HDD
Interruptible	Interruptible Customers	Non-Manufacturing Employment in the MERC Service Territory
Transportation	Transportation Sales	HDD
Transportation	Transportation Customers	Exponential Smoothing Technique, with a Monthly Binary Variable

6

1

<u>MERC-PNG</u> <u>served by Northern Natural Gas Pipeline (“NNG”)</u>		
<u>Rate Class</u>	<u>Dependent Variable</u>	<u>Independent Variable(s)</u>
GS (i.e. Firm)	GS Sales	HDD Service Territory Population AR Variable SAR Variable
GS (i.e. Firm)	GS Customers	Two SAR Variables
Interruptible	Interruptible Sales	HDD
Interruptible	Interruptible Customers	Exponential Smoothing Techniques with Trend, Seasonal and Multiplicative Components
Transportation	Transportation Sales for all PNG Pipelines	HDD Gross County Product of the MERC Service Territory Monthly Binary Variable
Transportation	Transportation Customers for all PNG Pipelines	Exponential Smoothing Technique, with a Trend Variable and Damped Coefficient

2

3

<u>MERC-PNG</u> <u>served by Great Lakes Gas Transmission Pipeline (“GLGT”)</u>		
<u>Rate Class</u>	<u>Dependent Variable</u>	<u>Independent Variable(s)</u>
GS (i.e. Firm)	GS Sales	HDD AR Variable MA Variable
GS (i.e. Firm)	GS Customers	Population of MERC Service Territory SAR Variable
Interruptible	Interruptible Sales	HDD AR Variable SAR Variable SMA Variable
Interruptible	Interruptible Customers	AR Variable
Joint	Joint Sales	HDD AR Variable SAR Variable
Joint	Joint Customers	AR Variable SAR Variable
Transportation	Transportation Sales for all PNG Pipelines	HDD Gross County Product of the MERC Service Territory Summer/Winter Binary Variable

Transportation	Transportation Customers for all PNG Pipelines	Exponential Smoothing Technique, with a Trend Variable and Damped Coefficient
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<u>MERC-PNG</u> <u>served by Viking Gas Transmission Pipeline (“VGT”)</u>		
<u>Rate Class</u>	<u>Dependent Variable</u>	<u>Independent Variable(s)</u>
GS (i.e. Firm)	GS Sales	HDD
GS (i.e. Firm)	GS Customers	Exponential Smoothing Technique, with Seasonal and Additive components
Interruptible	Interruptible Sales	HDD Billing Days Monthly Binary Variable
Interruptible	Interruptible Customers	Non-Manufacturing Employment in the MERC Service Territory AR Variable MA Variable
Joint	Joint Sales	HDD Monthly Binary Variable

Joint	Joint Customers	Non-Manufacturing Employment in the MERC Service Territory AR Variable SAR Variable MA Variable
Transportation	Transportation Sales for all PNG Pipelines	HDD Gross County Product of the MERC Service Territory Monthly Binary Variable
Transportation	Transportation Customers for all PNG Pipelines	Exponential Smoothing Technique, with a Trend Variable and Damped Coefficient

1

2 Q. PLEASE EXPLAIN THE DIFFERENCES IN THE METHODOLOGY YOU PROPOSE
3 IN THIS PROCEEDING COMPARED TO THE FORECASTING METHODOLOGY
4 USED BY THE COMPANY IN THE LAST RATE CASE IN DOCKET NO.
5 G007,011/GR-08-835.

6 A. In the last rate case filing, MERC calculated its sales forecast by weather normalizing
7 historical sales and applying a growth factor to estimate test year sales. MERC used this
8 approach in response to concerns about MERC's limited operating history and the limited
9 historical data available at the time of the last rate case filing. MERC acquired Aquila's
10 Minnesota natural gas operations in July 2006 and now has over three years of operating
11 history. MERC now has sufficient operating history and data to file a forecasted test year
12 in this proceeding. The forecast used in this proceeding uses a more standard approach
13 than that used in the 2008 rate case and employs a regression method with historical data.

14

1 Q. WERE THE 2009 HISTORIC SALES WEATHER NORMALIZED?

2 A. Yes, the 2009 actual sales were weather normalized based on the methodologies
3 described in my testimony.

4

5 Q. HOW DOES THE FORECAST YOU PREPARED FOR MERC'S 2011 PROPOSED
6 TEST YEAR SALES FOR THIS RATE FILING DIFFER FROM YOUR 2010
7 PROJECTED YEAR FORECAST?

8 A. The 2010 projected year forecast contains actual sales and customer count data for the
9 first six months of 2010, and forecasted sales and customer counts for the second six
10 months. The 2011 proposed test year contains a full 12 months of forecasted data for
11 both customer counts and sales. The last six months of 2010 and the forecast for 2011
12 were based on the same methodology and models.

13

1 **III. DEVELOPMENT OF THE WEATHER DATA**

2 Q. PLEASE EXPLAIN HOW THE WEATHER DATA WAS DEVELOPED TO
3 WEATHER NORMALIZE SALES.

4 A. Raw weather data for seven regional weather stations (Bemidji, Cloquet, Fargo,
5 International Falls, Minneapolis, Rochester, and Worthington) was received from DTN
6 Corporation. The data from individual weather stations was weighted to create variables
7 for ‘virtual weather stations’ representative of the overall weather for each of the two
8 MERC service territories, MERC-NMU and MERC-PNG. The weather stations used for
9 MERC-NMU were Bemidji, Cloquet, Fargo, and International Falls. The weather
10 stations used for MERC-PNG were Bemidji, Cloquet, Fargo, Minneapolis, Rochester,
11 and Worthington.

12
13 The weightings were developed by first taking a snapshot of the number of Residential
14 and Commercial and Industrial (“C&I”) firm customers by zip code as of November
15 2009. Based on zip code, customers were tallied by county, and each county was
16 assigned to a weather station based on the proximity to the weather station. The
17 weightings were then calculated by taking the number of customers assigned to each
18 weather station divided by the total number of customers. The resulting weightings were:

19 For MERC-NMU:

20 17% Bemidji

21 21% Cloquet

22 10% Fargo

23 52% International Falls

1 For MERC-PNG:
2 4% Bemidji
3 4% Cloquet
4 3% Fargo
5 34% Minneapolis
6 42% Rochester
7 13% Worthington

8
9 Actual Degree Days were calculated by summing the hourly temperatures each day by
10 weather station. Next, the daily average temperature was calculated for each weather
11 station, and the number of HDD (using 65°F as the base) determined. Finally, the
12 weighting factors were applied to the HDD data for each day and weather station.

13
14 The calculation of normal HDDs used the same process, as above. The normal HDDs
15 were calculated by summing the normal hourly temperatures each day by weather station,
16 based on the 20-year average weather from 1990-2009. Next, the normal daily average
17 temperature was calculated for each weather station, and the number of HDD (using 65°F
18 as the base) determined. Finally, the weighting factors were applied to the Normal HDD
19 data for each day and weather station.

20
21 Q. DO YOU PROPOSE A CHANGE IN THE WEATHER STATIONS USED TO
22 CALCULATE MERC'S SALES FORECAST IN THIS PROCEEDING FROM THOSE
23 USED IN MERC'S RATE CASE IN DOCKET NO. G007,011/GR-08-835?

1 A. Yes, I do. In MERC's rate case in Docket No. G007,011/GR-08-835, the following
2 weather stations were used to calculate the forecast for MERC-PNG: Bemidji, Cloquet,
3 Fargo, Minneapolis, Rochester, and Sioux Falls, South Dakota. *See* Direct Testimony of
4 Adam J. Heinen. In this proceeding, MERC proposes to replace the use of Sioux Falls
5 data with weather data from Worthington, Minnesota. MERC believes that use of
6 weather data from Worthington, which is located in the middle of the Company's
7 southwestern Minnesota customer base, is more representative of weather conditions
8 experienced by MERC's customers. Additionally, MERC has agreed with the OES's
9 recommendation in the Company's demand entitlement dockets to conduct its design-day
10 analysis using weather data from Worthington rather than Sioux Falls. MERC believes it
11 is appropriate to use the Worthington data in this proceeding as well.

12

1 **IV. WEATHER NORMALIZATION MODELS AND METHODOLOGY**

2 Q. PLEASE EXPLAIN THE PROCEDURE USED TO DEVELOP THE WEATHER
3 NORMALIZED ADJUSTMENT TO SALES.

4 A. Normal weather was defined as the average over the 20 year period 1990-2009. This
5 results in 9,513 HDD for MERC-NMU, and 7,488 HDD for MERC-PNG. The weather
6 normalized sales are based on a mathematical model that multiplies the daily average
7 actual sales of July and August of the previous year by the number of days in the month
8 to determine the Total Base Load sales. The Total Base Load sales are then subtracted
9 from actual monthly sales, resulting in Weather Sensitive Sales. The Weather Sensitive
10 Sales are then divided by actual HDD to give the Weather Sensitive use per HDD. The
11 final total Weather Normalized Sales is equal to Weather Sensitive use per HDD
12 multiplied by the normal HDD for that month, plus Total Base Load Sales. The final
13 Weather Sensitive Sales plus Base Load sales will equal actual sales if the Weather
14 Adjustment is zero.

15
16 Q. DID THE COMPANY USE THIS PROCEDURE IN ITS LAST RATE CASE IN
17 DOCKET NO. G007,011/GR-08-835?

18 A. MERC did not use this method in its previous rate case. In the last rate case the Company
19 used an econometric modeling technique to derive weather coefficients which were used
20 to weather normalize sales. The previous method required a large sample size of
21 historical sales data. The current method used in this rate case does not require a large
22 sample size, and can be implemented with few months of observations. The current

1 method is very straight forward and can be easily used across all of Integrys' utilities
2 with limited sales data.

3

1 **V. FIXED CHARGE COUNTS**

2 Q. PLEASE EXPLAIN THE PROCEDURES USED TO DEVELOP FIXED CHARGE
3 COUNTS FOR THE FORECASTED TEST YEAR.

4 A. The 2009 actual fixed charge counts, as shown on Exhibit _____ (HWJ-1), Schedule E-2,
5 Page 1 of 1, together with the forecasted customer counts (see “II. PROPOSED SALES
6 FORECAST”, above) form the basis for the fixed charge count forecast. The forecasted
7 customer counts are allocated to the tariff level using the 2009 historic year ratios. At the
8 completion of the allocation process, immaterial differences between the fixed charge
9 counts and the forecasted customer counts exist due to rounding. The final fixed charge
10 counts are shown on Exhibit _____ (HWJ-1), Schedule E-2.

11
12 Q. HOW DOES THIS PROCEDURE COMPARE TO THE PROCEDURE USED TO
13 DEVELOP THE FIXED CHARGE COUNTS IN THE COMPANY’S LAST RATE
14 CASE?

15 A. The procedure used in the last rate case is similar to the current method, in that both
16 methods allocated to the tariff level using the most recent available calendar year data.
17 However, the only difference was that in the last rate case, the fixed charge count forecast
18 used the 12 month average of 2007 and its rate of change month to month as a projection.
19 For this rate case, we developed a customer forecast using economic and demographic
20 variables; these customers projections were used as a proxy for the fixed charge count
21 and were allocated to the tariff level using 2009 actual data.

22

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VI. DAILY FIRM CAPACITY (“DFC”) NOMINATION FORECAST

Q. PLEASE EXPLAIN HOW TEST YEAR DFC NOMINATIONS WERE DEVELOPED.

A. The DFC nominations for 2011 are based on actual DFC nominations for 2009, as shown on Exhibit _____ (HWJ-1), Schedule E-3. No growth was forecasted for DFC nominations for the 2011 test year.

1 **VII. DESCRIPTION OF TECHNICAL TERMS**

2 **An Autoregressive** model (“AR”): This model relates the dependent variable say for
3 example sales, to its own historical values. An autoregressive process is one whose
4 behavior is determined by its own past values, plus an unpredictable shock. For both
5 statistical forecasting and structural economic interpretation, economic time series are
6 often modeled as autoregressions.

7
8 **A Moving Average** model (“MA”): This forecasting method is simply the averages of
9 the last m observations. It is useful for time series with a slowly changing mean. That is,
10 a moving average model is conceptually a linear regression of the current value of the
11 series against previous (unobserved) white noise error terms or random shocks. In
12 practice the moving average will provide a good estimate of the mean of the time series if
13 the mean is constant or slowly changing.

14
15 **A Seasonal Autoregressive** model (“SAR”): Many economic and business variables are
16 affected by seasonal factors. For example, power usage is highest in the months when
17 temperatures are most extreme. The most common type of seasonality is variation due to
18 the time of year, but other types of seasonality are also found in time series data.
19 Incorporating seasonality in a forecast is useful when the time series has both trend and
20 seasonal components.

21
22 **An Exponential Smoothing** technique: Smoothing always involves some form of local

1 averaging of data such that the nonsystematic components of individual observations
2 cancel each other out. Thus, if there are outliers in the data (e.g., due to measurement
3 errors), median smoothing typically produces smoother or at least more "reliable" curves.
4

1 **VIII. EXHIBITS**

2 Q. ARE THERE ANY OTHER EXHIBITS YOU WILL PRESENT?

3 A. Yes, I will submit the following exhibits.

4
5 Exhibit _____ (HWJ-1), Schedule E-1 provides detail regarding the 2009 Historic Year,
6 the 2010 Projected Year, and the 2011 Proposed Test Year, including weather
7 normalization, growth, and monthly schedules for sales.

8
9 Exhibit _____ (HWJ-1), Schedule E-2 shows the 2009 Historic Year, the 2010 Projected
10 Year, and the 2011 Proposed Test Year annual fixed charge counts, monthly average
11 fixed charge counts, and year end fixed charge counts.

12
13 Exhibit _____ (HWJ-1), Schedule E-3 shows the 2009 Historic Year, the 2010 Projected
14 Year, and the 2011 Proposed Test Year Daily Firm Capacity Nominations.

15
16 The exhibits show the forecast and historical data by the respective separate tariffs of
17 MERC-PNG and MERC-NMU for each customer class.

18

IX. CONCLUSION

1

2 Q. IN YOUR OPINION, DOES THE SALES FORECAST PROVIDE A REASONABLE
3 BASIS FOR ESTABLISHING RATES IN THIS CASE?

4 A. Yes, it does. The sales forecast is a reasonable estimate of the Projected Year and
5 Proposed Test Year sales.

6

7 Q. DOES THIS CONCLUDE YOUR TESTIMONY ON THE SALES FORECAST, FIXED
8 CHARGE FORECAST AND WEATHER NORMALIZATION OF SALES AT THIS
9 TIME?

10 A. Yes, it does.

Minnesota Energy Resources Corporation
Proposed Test Year Throughput and Adjustments
For the 12 Months Ending, December 31, 2011

Line	Rate Class (col. 1)	2009 Historical Throughput (Therms) (col. 2)	2009 Weather Normalization (Therms) (col. 3)	Historical Adjusted Throughput (Therms) (col. 4)	2010 Growth (Therms) (col. 5)	2010 Forecast Throughput (Therms) (col. 6)	2011 Growth (Therms) (col. 7)	2011 Forecast Throughput (Therms) (col. 8)
<u>Residential Rate</u>								
1	Residential-NMU	31,899,812	(462,491)	31,437,321	(1,420,645)	30,016,676	(612,280)	29,404,396
2	Residential-NNG	127,660,045	(335,470)	127,324,575	2,801,688	130,126,263	1,314,898	131,441,161
3	Residential-Viking	3,356,843	22,396	3,379,239	(122,742)	3,256,497	(198,106)	3,058,391
4	Residential-Great Lakes	4,321,313	21,668	4,342,981	(93,906)	4,249,075	57,390	4,306,465
5	Total Residential	167,238,013	(753,897)	166,484,116	1,164,395	167,648,511	561,902	168,210,413
<u>C&I General Service Rate</u>								
6	Small General Service-NMU	2,434,877	(31,604)	2,403,273	54,675	2,457,948	(177,495)	2,280,453
7	Small General Service-NNG	5,909,961	(50,158)	5,859,803	(110,381)	5,749,422	156,960	5,906,382
8	Small General Service-Viking	267,943	(2,802)	265,141	(8,383)	256,758	(15,205)	241,553
9	Small General Service-Great Lakes	467,934	1,004	468,938	207,698	676,636	(206,232)	470,404
10	Large General Service-NMU	20,563,387	(350,664)	20,212,723	(718,314)	19,494,409	(686,977)	18,807,432
11	Large General Service-NNG	61,349,088	494,347	61,843,435	(93,474)	61,812,961	2,138,835	63,951,796
12	Large General Service-Viking	2,594,496	(13,835)	2,580,661	(119,409)	2,461,252	(84,736)	2,376,516
13	Large General Service-Great Lakes	3,881,762	13,570	3,895,332	(32,894)	3,862,438	37,956	3,900,394
14	Total C&I General Service	97,469,448	59,858	97,529,306	(757,482)	96,771,824	1,163,106	97,934,930
<u>Interruptible & Joint</u>								
15	Interruptible-NMU	12,465,582		12,465,582	166,785	12,632,367	1,429,020	14,061,387
16	Joint-NMU	0		0	-	0	-	0
17	Interruptible-NNG	27,443,910		27,443,910	(9,338,117)	18,105,793	2,325,361	20,431,154
18	Joint-NNG	32,340		32,340	117,622	149,962	13,493	163,455
19	Interruptible-Viking	1,810,893		1,810,893	46,661	1,857,554	95,586	1,953,140
20	Joint-Viking	129,848		129,848	855	130,703	(16,791)	113,912
21	Interruptible-Great Lakes	194,918		194,918	(19,080)	175,838	8,162	184,000
22	Joint-Great Lakes	288,844		288,844	11,847	300,691	(30,310)	270,381
23	Total Interruptible & Joint	42,366,335	0	42,366,335	(9,013,427)	33,352,908	3,824,521	37,177,429
<u>Transportation</u>								
24	NMU	53,647,589		53,647,589	3,530,337	57,177,926	3,253,744	60,431,670
25	NNG	234,570,907		234,570,907	63,154,067	297,724,974	18,945,870	316,670,844
26	Viking	506,441		506,441	1,786,134	2,292,575	(875,600)	1,416,975
27	Great Lakes	885,402		885,402	156,197	1,041,599	885,029	1,926,628
28	Total Transportation	289,610,339	0	289,610,339	68,626,735	358,237,074	22,209,043	380,446,117
29	<u>Summary</u>							
30	MERC-NMU Total	121,011,247	(844,759)	120,166,488	1,612,838	121,779,326	3,206,012	124,985,338
31	MERC-PNG Total	475,672,888	150,720	475,823,608	58,407,383	534,230,991	24,552,560	558,783,551
32	Total MERC	596,684,135	(694,039)	595,990,096	60,020,221	656,010,317	27,758,572	683,768,889
33	<u>Company Use & Lost Gas</u>							
34	Company Use MERC-NMU	27,159				31,146		39,273
35	Company Use MERC-PNG	99,421				107,464		91,980
36	Company Use Total MERC	126,580				138,610		131,253
37	Lost Gas Total MERC	(26,172,738)				(52,502,663)		2,126,257
38	Company Use + Lost Gas Total MERC	570,637,977				603,646,264		686,026,399

* Excludes sales data for Michigan taconites and South Dakota Farm Tap Customers

**Minnesota Energy Resources Corporation
Weather Normalized Volumes & Revenues
For the 12 Months Ending, December 31, 2011**

<u>Line</u>	<u>Rate Class</u> (col. 1)	2009 <u>Weather Normalized</u> <u>Therms</u> (col. 2)	<u>Distribution</u> <u>Charge</u> (col. 3)	2009 <u>Weather</u> <u>Normalized</u> <u>Revenues</u> (col. 4)
<u>Residential Rate</u>				
1	Residential-NMU	(462,491)	\$ 0.21759	\$ (100,633)
2	Residential-NNG	(335,470)	\$ 0.17746	\$ (59,533)
3	Residential-Viking	22,396	\$ 0.17746	\$ 3,974
4	Residential-Great Lakes	21,668	\$ 0.17746	\$ 3,845
5	Total Residential	<u>(753,897)</u>		<u>\$ (152,346)</u>
<u>C&I General Service Rate</u>				
6	Small General Service-NMU	(31,604)	\$ 0.19564	\$ (6,183)
7	Small General Service-NNG	(50,158)	\$ 0.15022	\$ (7,535)
8	Small General Service-Viking	(2,802)	\$ 0.15022	\$ (421)
9	Small General Service-Great Lakes	1,004	\$ 0.15022	\$ 151
10	Large General Service-NMU	(350,664)	\$ 0.19660	\$ (68,941)
11	Large General Service-NNG	494,347	\$ 0.14984	\$ 74,073
12	Large General Service-Viking	(13,835)	\$ 0.14984	\$ (2,073)
13	Large General Service-Great Lakes	13,570	\$ 0.14984	\$ 2,033
14	Total C&I General Service	<u>59,858</u>		<u>\$ (8,895)</u>
<u>Interruptible & Joint</u>				
15	Interruptible-NMU			\$ -
16	Joint-NMU			\$ -
17	Interruptible-NNG			\$ -
18	Joint-NNG			\$ -
19	Interruptible-Viking			\$ -
20	Joint-Viking			\$ -
21	Interruptible-Great Lakes			\$ -
22	Joint-Great Lakes			\$ -
23	Total Interruptible & Joint	<u>0</u>		<u>\$ -</u>
<u>Transportation</u>				
24	Peak Sales-NMU (Nov-Mar)			\$ -
25	Off Peak Sales-NMU (Apr-Oct)			\$ -
26	Peak Sales-NNG (Nov-Mar)			\$ -
27	Off Peak Sales-NNG (Apr-Oct)			\$ -
28	Peak Sales-Viking (Nov-Mar)			\$ -
29	Off Peak Sales-Viking (Apr-Oct)			\$ -
30	Peak Sales-Great Lakes (Nov-Mar)			\$ -
31	Off Peak Sales-Great Lakes (Apr-Oct)			\$ -
32	Total Transportation	<u>0</u>		<u>\$ -</u>
<u>Summary</u>				
33	MERC-NMU Total	(844,759)		\$ (175,757)
34	MERC-PNG Total	150,720		\$ 14,516
35	Total MERC	<u>(694,039)</u>		<u>\$ (161,241)</u>

Minnesota Energy Resources Corporation
Weather Normalized Sales
For the 12 Months Ending, December 31, 2009

20 Year weather normalized sales
All Units in Therms

Calendar	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total
MERC-NMU	7,648,103	5,776,698	4,265,885	2,532,206	1,020,340	386,596	106,827	333,507	427,116	1,417,093	3,669,599	4,313,842	31,899,812
GS-Residential	732,885	176,364	424,746	213,365	47,085	8,462	20,607	37,791	64,450	30,151	315,217	363,754	2,434,877
GS-SC&I	4,836,689	3,575,861	2,747,293	1,695,348	477,848	394,835	264,967	427,753	452,442	912,005	2,228,048	2,550,298	20,563,387
GS-LC&I	2,294,363	1,295,858	1,017,704	634,601	283,511	(9,127)	47,291	173,277	98,987	313,272	878,500	1,084,695	8,112,932
SVI	509,363	353,004	440,078	402,210	89,654	217,687	328,821	186,628	255,883	742,620	401,932	424,770	4,352,650
LVI-1 TP	148,373	214,082	71,423	103,248	46,260	85,361	43,809	78,692	(175,530)	185,760	114,816	112,106	1,028,400
Transport-LVI TP	1,261,014	1,650,430	594,427	1,228,289	433,844	795,643	866,966	546,386	859,995	520,753	1,007,053	881,303	10,645,789
Transport-LVI ML	230,310	137,280	(127,360)	117,390	(80,870)	-	-	-	-	-	-	-	276,750
Transport-SVJ	114,910	489,180	152,840	135,730	247,830	690	47,370	21,230	47,750	58,880	120,180	186,990	1,623,580
Transport-LVJ TP	280,980	295,720	165,570	142,310	115,960	111,240	152,260	53,720	97,730	107,410	114,450	184,190	1,821,540
Transport-SLVJ TP	3,205,520	5,238,680	3,968,250	2,908,840	3,771,530	3,337,530	1,973,880	2,981,680	2,526,870	3,500,210	3,376,620	2,063,950	38,251,560
MERC-NMU Total	21,262,510	19,203,157	13,120,852	10,111,537	6,452,792	5,328,827	3,854,778	4,840,674	4,655,653	7,788,154	12,226,415	12,165,898	121,011,247
Total Calendar Throughput (MERC-NMU)	21,262,510	19,203,157	13,120,852	10,111,537	6,452,792	5,328,827	3,854,778	4,840,674	4,655,653	7,788,154	12,226,415	12,165,898	121,011,247
Total Transportation @ Customer Meter (MERC-NMU)	5,241,107	8,025,372	4,225,146	4,633,807	4,534,354	4,330,374	3,084,265	3,681,718	3,356,775	4,373,013	4,733,119	3,428,539	53,647,589
Total GCR Sales @ Customer Meter (MERC-NMU)	16,021,403	11,177,785	8,895,706	5,477,730	1,918,438	998,453	770,513	1,158,956	1,298,878	3,415,141	7,493,296	8,737,359	67,363,658
Company Use Gas (MERC-NMU)	5,391	4,408	4,459	3,150	2,950	1,925	515	387	273	562	1,701	1,437	27,159
Gas Lost & Unaccounted For (MERC-NMU)	(1,035,251)	(4,381,034)	(2,019,009)	(4,896,026)	(3,228,889)	(1,583,565)	(486,355)	506,105	969,860	2,771,807	507,946	3,550,426	(9,323,984)
Total GCR Gas @ Gate Station (MERC-NMU)	14,991,543	6,801,159	6,881,156	584,855	(1,307,501)	(583,186)	284,673	1,665,448	2,269,011	6,187,511	8,002,943	12,289,221	58,066,833

Calendar	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total
MERC-PNG	32,186,554	23,697,432	16,596,603	9,373,660	2,341,103	644,211	2,150,220	2,325,863	2,486,245	5,888,166	13,506,202	16,463,786	127,660,045
GS-1 Residential	1,761,296	1,387,142	861,128	10,834	208,165	(40,017)	74,188	76,474	65,849	171,962	581,873	751,067	5,909,961
GS-1 LC&I	14,131,160	11,231,099	7,262,782	4,311,999	1,154,930	281,642	1,345,187	1,373,486	1,388,175	2,707,922	7,839,243	8,321,263	61,349,088
SVI - 1	2,737,854	2,707,198	2,025,734	1,164,426	366,470	(308,315)	325,627	203,644	244,371	745,395	3,180,008	4,616,306	18,008,718
LVI - 1 TP	(166,383)	558,117	410,407	298,787	294,849	230,406	284,911	269,462	342,966	370,775	1,909,644	4,304,607	9,108,178
LVI - 1 ML	(42,914)	5,419	4,538	(489)	227	(49)	(56)	74	76	71,547	109,835	178,806	327,014
SVJ - 1	-	-	-	-	-	-	-	-	-	-	-	-	13,620
Transport - SVI-1	166,284	156,605	134,579	113,931	101,252	233,588	380,932	198,252	258,463	312,634	285,187	386,612	2,738,319
Transport - LVI-1 TP	4,026,670	2,983,072	2,628,374	1,815,159	3,513,452	2,613,958	2,517,969	3,170,069	3,251,051	5,108,752	712,651	2,237,916	34,579,072
Transport - LVI-1 ML	32,660	113,544	71,027	46,260	30,247	4,694	30,451	58,184	41,466	34,387	67,227	65,301	595,448
Transport - SVJ-1	(888,344)	636,915	107,630	83,540	35,234	(13,084)	15,411	19,295	30,109	35,581	78,730	75,354	216,351
Transport - LVJ-1 TP	4,781,519	3,097,300	2,533,746	2,987,694	2,831,117	2,420,768	3,356,391	3,581,062	3,072,650	4,125,679	2,477,634	2,842,333	38,087,893
Transport - SLVJ	17,557,540	11,328,110	13,716,740	6,493,710	697,670	(3,335,630)	1,553,240	2,980,700	6,756,660	11,496,750	12,569,250	14,469,000	98,273,740
Transport - SLVJ	4,681,440	2,018,450	2,379,660	1,923,170	1,065,050	4,509,550	2,35,140	1,596,310	4,551,050	2,978,130	(1,814,270)	24,745,730	
Transport for Resale	47,890	43,680	33,140	26,380	14,900	7,160	6,880	1,900	3,340	4,790	31,410	33,920	257,190
GS-4 Residential	805,389	664,656	504,495	214,383	92,784	25,092	11,471	39,182	45,637	141,219	399,894	412,641	3,356,843
GS-4 LC&I	71,348	58,827	35,624	12,412	5,505	2,682	3,405	4,535	4,092	11,596	24,055	33,862	267,943
GS-4 LC&I	632,935	457,147	338,107	198,803	102,274	33,035	35,520	74,119	52,033	128,246	234,126	308,149	2,594,486
SVI - 4	153,505	127,468	92,055	64,888	(8,032)	41,363	(403)	19,772	12,982	34,113	84,828	112,524	735,063
LVI - 4	318,630	230,790	136,270	87,160	33,670	(15,800)	10,720	(1,040)	9,930	15,860	156,170	93,470	1,075,830
SVJ - 4	31,998	23,040	21,600	14,060	(2,490)	3,530	(3,340)	4,870	1,520	1,980	18,680	14,400	129,848
Transport - SVI-4	61,025	52,554	54,255	34,319	19,887	13,758	8,137	6,584	7,817	19,453	23,254	38,160	339,203
Transport - SVI-4	1,894	2,555	2,520	2,390	2,106	1,334	1,279	1,195	1,211	1,529	2,100	2,326	22,439
Transport - LVJ-4	16,815	18,497	15,299	16,710	13,959	9,641	7,976	6,326	6,326	5,982	14,502	12,172	144,799
GS-5 Residential	1,051,898	790,302	670,898	287,143	134,062	4,178	16,547	29,031	48,202	183,931	516,204	588,917	4,321,313
GS-5 SC&I	120,090	94,792	57,819	35,190	7,618	4,675	6,277	3,643	8,466	18,366	53,491	57,507	467,934
GS-5 LC&I	916,868	691,081	543,122	260,879	127,289	64,661	55,407	77,205	85,803	161,829	424,070	473,548	3,881,762
SVI - 5	50,379	28,890	33,852	15,063	3,118	(1,159)	634	1,358	2,932	11,903	22,653	24,075	194,918
SVJ - 5	50,299	27,517	30,440	38,302	11,426	11,540	4,980	8,920	8,920	8,920	39,830	53,910	288,844
Transport LVI - 5 TP	62,250	58,443	47,660	38,433	31,346	31,526	27,517	21,466	22,715	24,373	32,610	42,164	440,503
Transport LVJ - 5 TP	(33,764)	14,921	15,591	12,277	5,906	(5,438)	4,179	(7,662)	6,004	5,679	21,083	11,547	50,323
Transport - SVI-5	87,918	59,065	44,384	38,625	21,863	13,763	11,161	8,630	10,726	18,090	48,590	31,781	394,576
Transport LVJ - ML (GM Cottage Grove)	472,690	502,350	469,340	67,590	308,300	441,680	296,450	20,030	327,630	120,510	449,960	511,410	3,976,940
Transport LVI - TP (Pro Corn)	1,176,930	882,010	1,236,030	1,157,940	1,096,780	1,248,910	1,053,110	1,197,810	1,169,700	985,670	1,125,130	1,136,320	13,466,340
Transport LVI - TP (Agra Resources)	872,150	1,009,320	927,890	912,910	(92,540)	-	-	-	-	-	2,088,820	917,460	6,636,010
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	94,146	98,004	82,876	89,651	101,379	98,238	-	-	564,294
Transport LVJ - TP (Swift)	704,910	(122,450)	747,710	535,930	621,860	363,230	571,370	502,660	453,220	646,260	725,460	558,930	6,309,090
Transport LVJ - TP (Spectro)	457,940	802,190	207,010	181,820	333,260	126,770	247,260	37,290	372,820	305,480	347,580	302,810	3,722,220
Transport LVI - TP	314,400	313,900	263,270	201,560	146,750	125,860	74,560	157,500	188,350	163,420	264,400	184,300	2,398,270
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	89,411,713	66,751,948	55,260,969	33,061,068	14,806,513	9,892,694	16,136,964	16,784,824	22,487,146	38,737,817	53,463,226	58,878,006	475,672,888
Total Calendar Throughput (MERC-PNG)	89,411,713	66,751,948	55,260,969	33,061,068	14,806,513	9,892,694	16,136,964	16,784,824	22,487,146	38,737,817	53,463,226	58,878,006	475,672,888
Total Transportation @ Customer Meter (MERC-PNG)	34,600,817	23,971,031	25,635,855	16,676,348	9,933,545	8,910,019	11,819,999	12,273,666	17,677,947	28,064,277	24,343,698	22,055,548	235,962,750
Total GCR Sales @ Customer Meter (MERC-PNG)	54,810,896	42,780,917	29,625,114	16,384,720	4,872,968	982,675	4,316,965	4,511,158	4,809,199	10,673,540	29,119,528	36,822,458	239,710,138

Minnesota Energy Resources Corporation
Weather Normalized Sales
For the 12 Months Ending, December 31, 2010

20 Year weather normalized sales
All Units in Therms

Calendar	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total
MERC-NMU	7,499,969	4,910,457	3,685,298	1,478,370	626,396	301,297	235,648	248,713	628,039	1,943,351	3,382,505	5,076,643	30,016,676
GS-Residential	703,351	440,246	324,526	71,632	(10,199)	5,600	19,851	23,323	64,731	142,309	259,769	412,809	2,457,948
GS-SC&I	4,537,705	3,057,114	2,655,906	709,632	504,277	402,990	214,232	268,439	674,996	1,355,011	2,092,450	3,021,657	19,494,409
GS-LC&I	1,490,093	1,046,722	799,271	352,366	185,798	45,202	174,342	218,828	232,935	349,486	812,750	1,231,254	6,939,047
SVI	729,509	317,185	458,724	203,548	429,755	393,680	333,361	307,230	484,167	739,449	647,130	649,582	5,693,320
LVI-TP	73,436	67,963	109,737	40,005	134,109	112,890	85,247	77,917	46,672	59,846	90,595	126,246	1,024,653
Transport-SVI	1,575,197	1,226,589	1,108,258	281,937	1,054,306	595,278	993,772	828,844	832,057	790,162	914,367	1,086,047	11,256,814
Transport-LVI TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-LVI ML	239,020	212,562	232,074	104,667	(66,704)	25,503	71,816	50,718	58,062	65,625	97,266	169,052	1,259,661
Transport-SVJ	367,960	135,440	174,780	94,620	59,550	87,880	207,126	147,196	252,821	180,168	220,294	329,337	2,257,172
Transport-LV1 TP	3,817,850	4,143,110	2,932,060	3,313,560	2,618,830	2,688,840	3,261,158	3,496,619	3,538,153	3,878,695	3,898,986	3,791,965	41,379,626
MERC-NMU Total	21,033,890	15,557,388	12,480,634	6,650,337	5,536,108	4,659,150	5,566,553	5,667,827	6,812,633	9,504,102	12,416,112	15,894,592	121,779,326

Total Calendar Throughput (MERC-NMU)	21,033,890	15,557,388	12,480,634	6,650,337	5,536,108	4,659,150	5,566,553	5,667,827	6,812,633	9,504,102	12,416,112	15,894,592	121,779,326
Total Transportation @ Customer Meter (MERC-NMU)	6,073,263	5,785,664	4,556,909	3,834,789	3,800,091	3,510,381	4,589,119	4,601,294	4,727,765	4,974,496	5,221,508	5,502,647	57,177,926
Total GCR Sales @ Customer Meter (MERC-NMU)	14,960,627	9,771,724	7,923,725	2,815,548	1,736,017	1,148,769	977,344	1,066,533	2,084,866	4,529,606	7,194,604	10,391,945	64,601,400
Company Use Gas (MERC-NMU)	5,404	5,452	5,751	2,410	1,490	410	686	323	255	1,298	3,041	4,626	31,146
Gas Lost & Unaccounted For (MERC-NMU)	(563,018)	(2,525,460)	(3,085,059)	(2,797,756)	(125,189)	(926,193)	6,842	7,466	14,594	31,707	50,362	72,744	(9,838,960)
Total GCR Gas @ Gate Station (MERC-NMU)	14,403,013	7,251,716	4,844,417	20,201	1,612,319	222,986	984,962	1,074,322	2,099,717	4,562,611	7,248,007	10,469,315	54,793,586

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total
MERC-PNG	32,696,306	21,623,714	16,349,620	4,626,683	1,164,115	2,568,761	2,328,876	2,421,356	4,280,658	8,500,027	13,706,300	19,859,847	130,126,263
GS-1 Residential	1,874,351	1,060,942	819,084	111,916	(113,166)	59,156	81,744	76,773	121,246	252,739	572,734	831,303	5,749,422
GS-1 SC&I	13,512,759	9,881,393	7,432,763	1,937,990	612,080	1,178,980	1,262,196	1,363,522	2,403,209	4,114,393	8,071,235	10,044,442	61,812,861
GS-1 LC&I	2,355,405	2,212,380	1,945,965	615,915	(42,505)	633,896	376,616	346,873	420,033	921,059	1,317,175	1,530,716	12,633,528
SVI - 1	(40,717)	198,932	544,488	273,401	131,702	383,571	349,225	397,945	562,010	522,983	797,630	1,239,735	5,360,905
LVI - 1 TP	(69,007)	(2,450)	1,697	(31,902)	2,049	3,537	83	127	128	86,890	62,209	57,999	111,360
SVJ - 1	36,200	21,170	20,010	10,720	1,040	6,570	9,982	8,430	7,120	8,240	9,360	11,120	149,962
Transport - SVI-1	85,610	43,240	76,360	70,190	61,610	(18,010)	237,743	185,796	144,519	122,570	111,560	136,096	1,247,283
Transport - LVI-1 TP	2,731,150	2,554,210	2,531,010	1,478,430	1,768,950	1,881,960	3,754,177	4,123,647	3,441,228	3,953,036	2,840,567	2,901,719	33,960,084
Transport - LVI-1 ML	99,874	95,990	60,960	57,291	25,493	27,386	57,398	88,343	68,139	48,019	61,999	81,113	772,005
Transport - SVJ-1	173,884	173,250	22,010	39,620	8,330	(6,350)	32,137	28,594	23,965	18,864	39,016	62,985	616,305
Transport - LV1-1 TP	4,525,180	3,644,180	3,533,420	2,312,490	1,939,630	2,771,560	6,064,113	6,607,211	5,118,524	4,683,201	3,505,562	3,623,169	48,328,240
Transport - SVI1	16,582,360	12,427,780	11,468,980	11,498,960	12,638,250	14,764,950	2,775,030	4,290,154	7,939,261	10,278,145	12,062,115	15,947,543	131,731,528
Transport - SVI2	4,602,030	3,616,510	579,800	(449,410)	572,260	3,029,330	4,550,848	2,562,889	2,314,000	3,794,308	3,528,792	779,474	29,480,871
Transport for Resale	78,950	35,840	29,450	2,200	1,730	2,210	8,724	6,359	5,245	5,108	20,663	32,935	229,414
GS-4 Residential	827,525	544,282	429,841	143,514	38,577	38,155	42,867	40,171	79,637	194,580	377,620	499,728	3,256,497
GS-4 SC&I	70,350	43,461	36,966	4,342	2,739	2,888	3,906	4,130	7,869	16,751	24,298	39,058	256,758
GS-4 LC&I	551,729	380,128	326,926	58,910	64,927	50,365	51,417	60,571	107,574	194,010	250,897	363,796	2,461,252
SVI - 4	131,920	94,334	47,195	86,623	15,442	(2,461)	15,012	16,938	34,073	97,853	88,061	151,817	776,907
LVI - 4	280,160	204,240	141,330	21,290	11,720	24,980	19,669	12,377	28,610	44,194	135,592	156,485	1,080,647
SVJ - 4	25,070	28,780	20,420	3,570	(4,430)	9,320	2,468	2,594	4,284	8,224	12,861	17,542	130,703
Transport - SVI-4	418,731	(70,014)	174,215	(104,571)	1,241,368	(255,828)	8,589	4,949	6,163	20,476	12,479	35,147	1,491,704
Transport - SVJ-4	-	-	92,400	55,430	(56,480)	(5,710)	13,500	9,382	9,547	16,094	11,269	21,423	166,455
Transport - LVJ-4	-	-	-	195,440	84,189	52,016	49,873	62,968	77,821	112,109	63,416	324,616	676,636
GS-5 Residential	1,059,173	662,986	570,814	150,797	38,186	33,698	46,918	46,342	94,564	297,244	514,137	734,216	4,249,075
GS-5 SC&I	224,091	128,487	108,623	18,171	2,086	6,738	7,099	6,002	14,969	31,337	54,571	74,462	676,636
GS-5 LC&I	954,205	529,571	530,945	55,773	78,013	64,172	69,197	81,277	168,461	286,121	442,329	602,374	3,862,438
SVI - 5	45,456	25,160	23,174	5,251	2,770	(626)	1,890	5,161	12,814	21,975	31,211	175,838	300,691
SVJ - 5	4,470	75,710	43,330	24,250	(2,300)	35,910	10,011	10,509	13,495	19,999	28,355	37,152	300,691
Transport LVI - 5 TP	68,276	40,379	(38,560)	136,823	14,314	22,724	24,572	29,322	30,959	34,858	24,003	32,647	420,317
Transport LVJ - 5 TP	-	-	-	-	-	52,760	16,154	25,243	27,722	39,173	80,769	86,465	328,286
Transport - SVI-5	41,240	37,220	57,900	18,550	12,380	9,940	13,065	14,984	14,959	22,712	24,813	27,333	292,996
Transport LVJ - ML (3M Cottage Grove)	452,280	533,280	580,580	160,650	307,040	463,120	662,395	367,863	410,674	238,995	374,650	531,177	5,092,704
Transport LVI - TP (Pro Corn)	1,238,920	890,840	1,386,380	1,050,440	987,970	1,150,400	2,276,577	2,358,474	1,890,882	1,372,748	1,304,368	1,439,019	17,347,018
Transport LVI - TP (Agra Resources)	1,214,800	637,450	1,104,840	892,510	1,162,760	(1,100,190)	-	-	-	-	1,213,108	1,249,573	6,374,851
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	1,582,460	1,721,600	1,815,539	1,616,404	1,283,390	-	-	-	8,019,393
Transport LVJ - TP (Swift)	112,400	356,060	579,640	817,960	517,280	411,950	1,056,920	1,041,701	784,612	719,597	762,541	774,143	7,934,804
Transport LVJ - TP (Spectro)	370,010	301,660	547,390	272,010	820	250	403,747	243,744	398,260	350,209	367,925	394,621	3,648,646
Transport LVI - TP	333,960	304,390	342,980	192,400	130,060	147,960	240,429	279,973	263,924	207,941	252,155	255,656	2,951,828
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	87,669,701	63,335,485	52,520,948	26,607,187	23,326,810	30,223,620	28,680,897	29,133,610	31,979,999	42,881,870	53,163,514	64,707,350	534,230,991

Total Calendar Throughput (MERC-PNG)	87,669,701	63,335,485	52,520,948	26,607,187	23,326,810	30,223,620	28,680,897	29,133,610	31,979,999	42,881,870	53,163,514	64,707,350	534,230,991
Total Transportation @ Customer Meter (MERC-PNG)	33,129,655	25,622,265	23,127,755	18,489,973	21,323,765	25,128,212	24,001,907	24,235,783	23,626,899	27,272,412	26,676,175	28,424,347	301,069,148
Total GCR Sales @ Customer Meter (MERC-PNG)	54,540,046	37,											

20 Year weather normalized sales
All Units in Therms

Minnesota Energy Resources Corporation
Proposed Test Year Calendar Weather Normalized Sales
For the 12 Months Ending, December 31, 2011

Calendar	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total
MERC-NMU													
GS-Residential	5,702,504	4,875,140	3,867,955	2,213,127	1,184,191	387,262	150,943	184,526	575,131	1,889,590	3,336,127	5,037,900	29,404,396
GS-SC&I	525,362	211,042	338,774	191,453	93,835	26,450	12,715	17,305	59,278	138,373	256,207	409,659	2,280,453
GS-LC&I	3,554,116	3,035,975	2,432,475	1,430,280	750,286	269,898	137,227	199,163	618,131	1,317,525	2,063,759	2,988,597	18,807,432
SVI	1,593,388	1,362,291	1,144,740	771,547	572,096	294,416	174,343	218,827	232,396	349,486	812,751	1,231,255	8,758,076
LVI-TP	447,839	394,728	418,000	360,721	240,604	280,502	333,361	307,228	484,167	739,449	647,132	649,580	5,303,311
Transport-SVI	245,721	169,535	132,922	115,899	92,964	90,020	85,260	77,933	46,710	59,954	90,838	126,703	1,334,459
Transport-LVI TP	1,183,083	1,087,388	942,749	1,086,303	715,643	745,308	963,919	829,016	832,698	791,569	916,829	1,089,986	11,184,191
Transport-LVI ML	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVJ	145,280	379,650	176,506	137,378	122,347	67,777	71,826	50,727	58,108	65,741	97,527	169,665	1,542,532
Transport-LVJ TP	446,843	344,003	274,160	232,432	211,431	186,565	207,159	147,228	253,017	180,488	220,887	330,531	2,034,744
Transport-SLVJ TP	3,590,240	3,442,758	3,768,627	3,435,931	3,652,245	3,545,265	3,261,656	3,497,349	3,540,875	3,885,999	3,909,481	3,865,718	43,335,744
MERC-NMU Total	17,434,376	15,302,510	13,496,908	9,975,071	7,635,342	5,893,463	5,398,409	5,529,302	6,701,051	9,417,774	12,351,538	15,849,594	124,985,338
Total Calendar Throughput (MERC-NMU)	17,434,376	15,302,510	13,496,908	9,975,071	7,635,342	5,893,463	5,398,409	5,529,302	6,701,051	9,417,774	12,351,538	15,849,594	124,985,338
Total Transportation @ Customer Meter (MERC-NMU)	5,611,167	5,423,334	5,294,964	5,007,943	4,794,330	4,634,935	4,589,820	4,602,253	4,731,408	4,983,351	5,235,562	5,522,603	60,431,670
Total GCR Sales @ Customer Meter (MERC-NMU)	11,823,209	9,879,176	8,201,944	4,967,128	2,841,012	1,258,528	808,589	927,049	1,969,643	4,434,423	7,115,976	10,326,991	64,553,668
Company Use Gas (MERC-NMU)	6,675	7,067	6,076	4,823	2,779	1,513	690	325	260	1,316	3,071	4,678	39,273
Gas Lost & Unaccounted For (MERC-NMU)	82,762	69,154	57,414	34,770	19,887	8,810	5,660	6,489	13,788	31,041	49,812	72,289	451,876
Total GCR Gas @ Gate Station (MERC-NMU)	11,912,646	9,955,397	8,265,434	5,006,721	2,863,678	1,268,851	814,939	933,863	1,983,691	4,466,780	7,168,859	10,403,958	65,044,817
MERC-PNG													
GS-1 Residential	24,012,462	19,712,672	16,657,285	10,108,087	5,667,540	2,786,970	2,292,116	2,408,336	4,366,087	9,129,545	13,978,931	20,321,130	131,441,161
GS-1 SC&I	1,221,987	1,076,193	855,315	459,993	221,828	85,391	80,453	76,361	123,664	271,458	594,128	850,611	5,906,362
GS-1 LC&I	10,619,849	9,125,055	7,468,057	4,693,402	2,883,495	1,383,674	1,242,278	1,356,192	2,451,164	4,419,109	8,231,780	10,277,741	63,561,796
SVI - 1	2,531,141	2,160,245	1,914,428	1,208,501	828,317	398,278	376,616	346,871	420,033	921,056	1,317,176	1,530,717	10,035,379
LVI - 1 TP	505,159	451,737	390,476	304,991	268,203	388,222	349,225	397,945	562,009	522,982	797,630	1,239,736	6,178,315
LVI - 1 ML	1,573	3,890	2,938	889	460	275	83	127	127	86,890	62,209	57,999	217,460
SVJ - 1	23,650	23,550	19,620	16,570	13,994	11,819	9,982	8,430	7,120	8,240	9,360	11,120	163,455
Transport - SVI-1	148,386	145,360	152,208	147,351	181,619	222,438	239,066	188,925	145,466	123,317	112,237	136,983	1,941,256
Transport - LVI-1 TP	3,269,313	2,610,150	2,840,150	2,618,057	2,898,466	3,670,020	3,775,076	4,148,740	3,463,793	3,977,127	2,857,764	2,918,511	39,047,167
Transport - LVI-1 ML	42,012	76,012	80,911	74,997	73,239	50,111	57,717	88,881	68,586	48,311	62,374	81,583	804,734
Transport - SVJ-1	109,423	102,834	100,151	92,054	77,629	42,804	32,314	28,769	24,122	18,979	39,252	63,351	731,682
Transport - LVJ-1 TP	3,583,415	3,316,283	3,109,568	3,441,886	4,212,921	5,361,896	6,097,869	6,647,422	5,152,090	4,711,740	3,526,786	3,644,136	52,805,802
Transport - SVI-1	15,876,785	13,981,958	15,291,119	12,457,200	8,506,583	2,395,240	2,790,477	4,416,970	7,055,215	10,340,781	12,135,151	15,939,249	120,986,628
Transport - SVI-1	5,406,466	3,861,173	3,425,095	2,000,322	2,046,299	5,844,411	4,576,181	2,578,485	2,329,211	3,817,430	3,550,159	783,985	41,289,215
Transport For Resale	47,984	43,017	40,220	31,464	23,510	14,202	8,773	6,398	5,281	5,140	20,789	33,125	279,903
GS-4 Residential	541,666	454,910	397,960	235,185	131,378	62,691	42,867	40,170	79,637	194,578	377,620	499,729	3,058,391
GS-4 SC&I	44,894	39,288	31,972	16,519	8,396	4,474	3,906	4,130	7,868	16,751	24,298	39,057	241,553
GS-4 LC&I	400,893	331,851	276,831	161,846	101,834	54,997	51,416	60,570	107,574	194,010	250,897	363,197	2,376,516
SVI - 4	133,270	91,130	102,431	55,611	23,678	24,549	15,011	16,940	34,073	97,953	88,062	151,816	834,524
LVI - 4	203,392	188,036	140,438	94,773	68,723	26,331	19,668	12,377	28,609	44,193	135,591	156,485	1,118,616
SVJ - 4	19,132	16,108	13,872	8,753	5,156	2,918	2,468	2,594	4,284	8,224	12,861	17,542	113,912
Transport - SVI-4	46,702	34,215	34,083	17,293	12,165	8,312	8,637	4,979	6,203	20,601	12,554	35,350	241,994
Transport - LVJ-4	14,495	16,634	15,831	12,043	12,882	8,060	7,238	3,038	9,610	16,193	11,337	21,547	161,245
Transport - LVJ-4	128,686	120,419	96,106	84,201	85,385	58,247	84,656	52,333	50,201	63,350	78,294	112,758	1,014,636
GS-5 Residential	782,311	644,265	561,212	337,529	177,600	70,394	46,744	46,286	94,544	297,233	514,133	734,214	4,306,465
GS-5 SC&I	88,730	73,150	59,265	35,974	16,577	8,309	7,072	5,994	14,966	31,335	54,570	74,462	470,404
GS-5 LC&I	675,933	571,062	476,955	286,360	158,276	82,450	68,944	81,180	168,424	286,112	442,325	602,373	3,900,394
SVI - 5	34,219	28,303	23,633	13,880	6,819	2,417	1,538	1,785	5,110	12,854	21,972	31,170	184,000
SVJ - 5	37,973	33,342	29,785	21,279	15,282	11,544	10,776	11,010	13,889	20,549	28,472	36,480	270,381
Transport LVI - 5 TP	53,853	47,651	54,046	31,805	27,149	56,120	24,708	29,500	31,162	35,071	24,149	32,837	448,051
Transport LVJ - 5 TP	181,378	178,975	194,378	128,242	93,074	40,266	16,244	25,397	27,904	27,904	81,259	86,966	1,093,495
Transport - SVI-5	60,391	51,362	54,300	37,690	25,874	36,889	13,137	15,076	15,058	22,851	24,963	27,491	385,082
Transport LVJ - ML (3M Cottage Grove)	459,471	495,943	532,637	333,459	448,829	738,366	686,083	370,102	413,366	240,450	376,918	534,250	5,609,474
Transport LVI - TP (Pro Com)	1,181,436	1,068,110	1,274,703	1,406,377	1,737,582	2,403,630	2,289,250	2,372,826	1,903,279	1,381,114	1,312,266	1,447,346	19,777,919
Transport LVI - TP (Agra Resources)	1,069,818	1,008,223	1,114,949	1,103,690	-	-	-	-	-	-	1,220,452	1,256,805	6,773,937
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	1,485,460	1,943,946	1,731,183	1,826,588	1,627,001	1,291,211	-	-	9,905,389
Transport LVJ - TP (Swift)	463,600	266,619	566,923	637,971	883,141	952,355	1,062,804	1,048,040	789,756	723,981	767,158	778,623	8,940,431
Transport LVJ - TP (Spectro)	379,197	759,282	346,026	232,461	269,320	306,297	405,996	245,226	398,858	352,343	370,152	386,904	4,462,062
Transport LVI - TP	270,636	301,590	311,363	295,054	300,907	326,570	241,768	281,677	265,654	209,208	253,682	257,136	3,315,245
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	74,470,141	63,510,595	59,057,540	44,414,559	33,799,590	29,886,483	28,756,677	29,260,570	32,270,988	44,001,682	53,769,711	65,585,015	558,783,551
Total Calendar Throughput (MERC-PNG)	74,470,141	63,510,595	59,057,540	44,414,559	33,799,590	29,886,483	28,756,677	29,260,570	32,270,988	44,001,682	53,769,711	65,585,015	558,783,551
Total Transportation @ Customer Meter (MERC-PNG)	32,591,907	28,485,808	29,634,767	26,253,417	23,402,034	24,480,780	24,135,514	24,383,272	23,781,806	27,438,610	26,837,696	28,588,836	320,014,447
Total GCR Sales @ Customer Meter (MERC-PNG)	41,878,234	35,024,787	29,422,773	18,161,142	10,397,556	5,405,703	4,621,163	4,877,298	8,489,182	16,563,072	26,932,015	36,996,179	238,769,104
Company Use Gas (MERC-PNG)	15,058	13,822	18,128	12,567	6,687	3,649	1,938	1,496	1,657	2,981	3,812	8,185	91,980
Gas Lost & Unaccounted For (MERC-PNG)	293,487	245,446	206,162	127,299	72,887	37,862	32,376	34,182	59,494	116,257	189,289	259,640	1,674,381
Total GCR Gas @ Gate Station (MERC-PNG)	42,186,779	35,284,055	29,647,063	18,301,008	10,479,130	5,447,214	4,655,477	4,912,976	8,550,333	16,682,310	27,125,116	37,264,004	240,535,465
Total Calendar Throughput (Total MERC)	91,904,517	78,813,105	72,554,448	54,389,630	41,434,932	35,779,946	34,						

**Minnesota Energy Resources Corporation
Proposed Test Year Fixed Charge Counts
For the 12 Months Ending, December 31, 2011**

<u>Line</u>	<u>Rate Class</u> (col. 1)	Fixed Charge Counts 2009 Total Annual <u>Per Books</u> (col. 2)	2010 <u>Growth</u> (col. 3)	Fixed Charge Counts <u>2010 Forecast</u> (col. 4)	2011 <u>Growth</u> (col. 5)	Fixed Charge Counts <u>2011 Forecast</u> (col. 6)
<u>Residential Rate</u>						
1	Residential-NMU	418,978	1,083	420,061	5,713	425,774
2	Residential-NNG	1,718,409	7,740	1,726,149	17,823	1,743,972
3	Residential-Viking	47,143	(149)	46,994	(31)	46,963
4	Residential-Great Lakes	61,031	634	61,665	128	61,793
5	Total Residential	<u>2,245,561</u>	<u>9,308</u>	<u>2,254,869</u>	<u>23,633</u>	<u>2,278,502</u>
<u>C&I General Service Rate</u>						
6	Small General Service-NMU	27,043	93	27,136	340	27,476
7	Small General Service-NNG	73,023	820	73,843	327	74,170
8	Small General Service-Viking	3,650	39	3,689	(65)	3,624
9	Small General Service-Great Lakes	5,211	116	5,327	(56)	5,271
10	Large General Service-NMU	37,552	27	37,579	645	38,224
11	Large General Service-NNG	94,023	(446)	93,577	2,088	95,665
12	Large General Service-Viking	4,785	(94)	4,691	72	4,763
13	Large General Service-Great Lakes	6,252	57	6,309	48	6,357
14	Total C&I General Service	<u>251,539</u>	<u>612</u>	<u>252,151</u>	<u>3,399</u>	<u>255,550</u>
<u>Interruptible & Joint</u>						
15	Interruptible-NMU	1,801	(44)	1,757	49	1,806
16	Joint-NMU	-	-	-	-	-
17	Interruptible-NNG	4,932	41	4,973	(40)	4,933
18	Joint-NNG	7	29	36	-	36
19	Interruptible-Viking	275	(3)	272	(6)	266
20	Joint-Viking	57	15	72	(12)	60
21	Interruptible-Great Lakes	71	1	72	-	72
22	Joint-Great Lakes	72	-	72	-	72
23	Total Interruptible & Joint	<u>7,215</u>	<u>39</u>	<u>7,254</u>	<u>(9)</u>	<u>7,245</u>
<u>Transportation</u>						
24	Transportation-NMU	574	3	577	(62)	515
25	Transportation-NNG	1,416	69	1,485	(26)	1,459
26	Transportation-Viking	120	(7)	113	7	120
27	Transportation-Great Lakes	194	(12)	182	10	192
28	Total Transportation	<u>2,304</u>	<u>53</u>	<u>2,357</u>	<u>(71)</u>	<u>2,286</u>
29	MERC-NMU Total	485,948	1,162	487,110	6,685	493,795
30	MERC-PNG Total	<u>2,020,671</u>	<u>8,850</u>	<u>2,029,521</u>	<u>20,267</u>	<u>2,049,788</u>
31	Total MERC	<u>2,506,619</u>	<u>10,012</u>	<u>2,516,631</u>	<u>26,952</u>	<u>2,543,583</u>

Minnesota Energy Resources Corporation
Fixed Charge Count Including Additional Meters
For the 12 Months Ending, December 31, 2009

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total	Average
MERC-NMU														
GS-Residential	35,823	34,377	34,424	35,105	34,776	34,967	34,966	34,901	35,148	34,810	34,668	35,013	418,978	34,915
GS-SC&I	2,327	2,274	2,252	2,272	2,237	2,255	2,288	2,233	2,245	2,215	2,213	2,232	27,043	2,254
GS-LC&I	3,203	3,117	3,105	3,137	3,071	3,116	3,164	3,106	3,167	3,120	3,099	3,147	37,552	3,129
SVI	141	134	136	134	144	130	137	133	129	137	127	129	1,611	134
LVI-TP	12	12	16	16	16	17	17	17	17	17	17	16	190	16
Transport-SVI	6	7	6	6	6	6	6	7	1	5	5	5	66	6
Transport-LVI TP	12	12	12	13	13	12	12	12	20	15	15	15	163	14
Transport-LVI ML	2	2	-	2	-	-	-	-	-	-	-	-	6	1
Transport-SVJ	11	33	13	11	12	12	12	12	12	12	12	13	165	14
Transport-LVJ TP	5	5	5	5	5	5	5	3	3	3	3	3	50	4
Transport-SLVI TP	12	11	10	11	10	10	10	10	10	10	10	10	124	10
MERC-NMU Total	41,554	39,984	39,979	40,712	40,290	40,530	40,617	40,434	40,752	40,344	40,169	40,583	485,948	40,496

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total	Average
MERC-PNG														
GS-1 Residential	144,224	142,672	142,956	143,190	143,193	143,187	143,831	142,960	143,068	142,947	142,573	143,608	1,718,409	143,201
GS-1 SC&I	6,192	6,099	6,094	6,107	6,115	6,084	6,181	6,057	6,007	5,990	6,001	6,096	73,023	6,085
GS-1 LC&I	7,943	7,828	7,829	7,851	7,833	7,832	7,875	7,825	7,799	7,777	7,775	7,856	94,023	7,835
SVI - 1	379	365	360	357	356	352	362	349	350	355	349	360	4,294	358
LVI - 1 TP	43	42	45	51	48	50	49	48	51	50	50	51	578	48
LVI - 1 ML	5	5	5	5	5	5	5	5	5	5	5	5	60	5
SVJ - 1	-	-	-	-	-	-	-	-	-	-	4	3	7	1
Transport - SVI-1	5	5	5	5	5	5	5	4	5	5	5	6	60	5
Transport - LVI-1 TP	49	49	49	49	49	49	49	48	46	46	48	47	578	48
Transport - LVI-1 ML	3	4	4	3	3	3	3	3	3	3	3	3	38	3
Transport - SVJ-1	6	7	7	7	7	5	5	5	5	5	5	5	69	6
Transport - LVJ-1 TP	38	38	38	38	37	38	38	38	38	38	38	38	455	38
Transport - SLVI	16	16	16	16	16	16	16	16	16	16	16	16	192	16
Transport - SLVJ	2	2	2	2	2	2	2	2	2	2	2	2	24	2
Transport for Resale	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 Residential	4,273	3,780	3,882	3,927	3,841	3,922	3,956	3,952	3,942	4,032	3,776	3,860	47,143	3,929
GS-4 SC&I	322	300	309	307	301	307	304	303	298	308	292	299	3,650	304
GS-4 LC&I	424	388	397	404	396	399	401	399	399	408	378	392	4,785	399
SVI - 4	24	21	23	22	21	22	20	22	22	23	21	22	263	22
LVI - 4	1	1	1	1	1	1	1	1	1	1	1	1	12	1
SVJ - 4	5	5	5	5	5	5	2	5	5	5	5	5	57	5
Transport - SVI-4	4	4	4	4	4	4	4	4	4	4	4	4	48	4
Transport-SVJ-4	2	2	2	2	2	2	2	2	2	2	2	2	24	2
Transport - LVJ-4	4	4	4	4	4	4	4	4	4	4	4	4	48	4
GS-5 Residential	5,711	4,808	4,825	5,054	5,156	4,917	5,189	5,009	5,013	4,993	5,031	5,325	61,031	5,086
GS-5 SC&I	477	413	417	432	429	432	443	427	431	427	433	450	5,211	434
GS-5 LC&I	580	492	499	509	525	518	530	516	518	517	515	533	6,252	521
SVI - 5	6	6	6	6	6	6	6	5	6	6	6	6	71	6
SVJ - 5	7	6	5	6	6	6	6	6	6	6	6	6	72	6
Transport LVI - 5 TP	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVJ - 5 TP	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport - SVI-5	4	4	4	4	4	4	4	4	4	4	4	4	48	4
Transport LVJ - ML (3M Cottage Grove)	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVI - TP (Pro Corn)	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVI - TP (Agra Resources)	1	1	1	1	-	-	-	-	-	-	1	1	6	1
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	1	1	1	1	1	1	-	-	6	1
Transport LVJ - TP (Swift)	(1)	1	1	1	1	1	1	1	1	1	1	1	10	1
Transport LVJ - TP (Spectro)	3	7	3	3	3	3	3	3	3	3	3	3	40	3
Transport LVI - TP	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	170,759	167,382	167,805	168,380	168,382	168,189	169,305	168,031	168,062	167,991	167,364	169,021	2,020,671	168,389

Summary

MERC-NMU Total	41,554	39,984	39,979	40,712	40,290	40,530	40,617	40,434	40,752	40,344	40,169	40,583	485,948	40,496
MERC-PNG Total	170,759	167,382	167,805	168,380	168,382	168,189	169,305	168,031	168,062	167,991	167,364	169,021	2,020,671	168,389
Total MERC	212,313	207,366	207,784	209,092	208,672	208,719	209,922	208,465	208,814	208,335	207,533	209,604	2,506,619	208,885

**Minnesota Energy Resources Corporation
Fixed Charge Count Including Additional Meters
For the 12 Months Ending, December 31, 2010**

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total	Average
MERC-NMU														
GS-Residential	35,800	34,804	33,790	35,205	35,085	35,136	34,788	34,893	34,745	35,009	35,237	35,569	420,061	35,005
GS-SC&I	2,281	2,220	2,204	2,237	2,358	2,365	2,277	2,232	2,219	2,227	2,249	2,267	27,136	2,261
GS-LC&I	3,201	3,129	3,125	3,153	3,050	3,051	3,149	3,105	3,131	3,137	3,150	3,198	37,579	3,132
SVI	131	128	128	129	128	133	132	132	131	131	130	131	1,564	130
LVI-TP	17	5	16	16	16	16	17	18	18	18	18	18	193	16
Transport-SVI	5	5	5	5	9	9	4	4	5	5	5	5	66	6
Transport-LVI TP	18	16	16	16	17	17	11	11	11	12	11	12	168	14
Transport-LVI ML	1	1	-	1	-	-	-	-	-	-	-	-	3	0
Transport-SVJ	14	13	13	13	9	9	8	8	9	11	9	12	128	11
Transport-LVJ TP	4	3	3	3	2	2	6	6	7	7	7	7	57	5
Transport-SLVI TP	17	15	15	15	15	15	10	10	10	11	11	11	155	13
MERC-NMU Total	41,489	40,339	39,315	40,793	40,689	40,753	40,402	40,419	40,286	40,568	40,827	41,230	487,110	40,593

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total	Average
MERC-PNG														
GS-1 Residential	146,549	143,166	141,795	143,449	143,541	143,851	143,995	143,668	143,525	143,692	143,962	144,956	1,726,149	143,846
GS-1 SC&I	6,218	6,058	5,964	6,035	6,492	6,504	6,191	6,097	6,030	6,036	6,062	6,156	73,843	6,154
GS-1 LC&I	8,061	7,832	7,757	7,827	7,379	7,415	7,905	7,882	7,842	7,839	7,881	7,957	93,577	7,798
SVI - 1	364	354	353	357	354	355	357	364	359	369	353	357	4,296	358
LVI - 1 TP	53	52	52	53	52	52	52	52	51	51	52	51	623	52
LVI - 1 ML	5	5	5	5	5	5	4	4	4	4	4	4	54	5
SVJ - 1	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Transport - SVI-1	3	3	3	3	3	3	4	4	5	5	5	5	46	4
Transport - LVI-1 TP	48	38	40	40	51	50	45	44	43	43	43	43	528	44
Transport - LVI-1 ML	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Transport - SVJ-1	12	11	9	9	9	7	5	5	6	6	6	5	90	8
Transport - LVJ-1 TP	57	47	44	44	33	29	43	43	45	45	45	45	520	43
Transport - SLVI	23	21	21	21	21	21	16	16	16	16	16	16	224	19
Transport - SLVJ	3	3	3	3	3	3	2	2	2	2	2	2	30	3
Transport for Resale	-	1	1	1	1	1	1	1	1	1	1	1	11	1
GS-4 Residential	4,034	3,957	3,857	3,933	3,928	3,955	3,834	3,826	3,867	3,847	3,899	4,057	46,994	3,916
GS-4 SC&I	311	307	306	311	337	328	295	293	292	294	301	314	3,689	307
GS-4 LC&I	403	398	393	397	372	373	389	387	390	390	389	410	4,691	391
SVI - 4	23	22	22	21	23	22	21	21	21	22	21	21	260	22
LVI - 4	1	1	1	1	1	1	1	1	1	1	1	1	12	1
SVJ - 4	7	7	7	7	7	7	5	5	5	5	5	5	72	6
Transport - SVI-4	7	3	8	7	9	9	4	4	4	4	4	4	67	6
Transport-SVJ-4	-	-	2	2	1	1	2	2	2	2	2	2	18	2
Transport - LVJ-4	-	-	-	-	-	4	4	4	4	4	4	4	28	2
GS-5 Residential	5,301	4,996	5,149	5,100	5,212	5,128	5,196	5,068	5,070	5,057	5,086	5,302	61,665	5,139
GS-5 SC&I	480	415	439	438	461	454	445	434	438	434	439	450	5,327	444
GS-5 LC&I	559	512	526	521	514	513	532	524	526	526	523	533	6,309	526
SVI - 5	6	6	6	6	6	6	6	6	6	6	6	6	72	6
SVJ - 5	6	6	6	6	6	6	6	6	6	6	6	6	72	6
Transport LVI - 5 TP	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVJ - 5 TP	-	-	-	-	-	1	1	1	1	1	1	1	7	1
Transport - SVI-5	2	2	3	3	3	3	4	4	4	4	4	4	40	3
Transport LVJ - ML (3M Cottage Grove)	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVI - TP (Pro Corn)	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVI - TP (Agra Resources)	1	1	1	1	1	-	-	-	-	-	1	1	7	1
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	-	1	1	1	1	1	-	-	5	0
Transport LVJ - TP (Swift)	(1)	1	1	1	1	1	1	1	1	1	1	1	10	1
Transport LVJ - TP (Spectro)	5	7	5	5	5	5	2	2	3	3	3	3	48	4
Transport LVI - TP	3	2	2	2	2	2	2	2	3	3	3	3	29	2
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	172,553	168,243	166,790	168,618	168,842	169,125	169,380	168,783	168,583	168,729	169,140	170,735	2,029,521	169,127

Summary														
MERC-NMU Total	41,489	40,339	39,315	40,793	40,689	40,753	40,402	40,419	40,286	40,568	40,827	41,230	487,110	40,593
MERC-PNG Total	172,553	168,243	166,790	168,618	168,842	169,125	169,380	168,783	168,583	168,729	169,140	170,735	2,029,521	169,127
Total MERC	214,042	208,582	206,105	209,411	209,531	209,878	209,782	209,202	208,869	209,297	209,967	211,965	2,516,631	209,719

Minnesota Energy Resources Corporation
Proposed Test Year Fixed Charge Count Including Additional Meters
For the 12 Months Ending, December 31, 2011

	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total	Average
MERC-NMU														
GS-Residential	36,074	35,890	35,724	35,756	35,452	35,208	35,031	35,137	34,988	35,247	35,471	35,796	425,774	35,481
GS-SC&I	2,341	2,373	2,337	2,314	2,279	2,270	2,292	2,247	2,235	2,243	2,264	2,281	27,476	2,290
GS-LC&I	3,224	3,257	3,218	3,194	3,190	3,144	3,170	3,127	3,153	3,159	3,170	3,218	38,224	3,185
SVI	132	133	133	133	133	132	133	132	132	132	132	132	1,589	132
LVI-TP	18	18	18	18	18	18	18	18	18	18	19	18	217	18
Transport-SVI	6	7	4	6	4	6	4	4	5	5	5	5	61	5
Transport-LVI TP	13	13	11	13	11	11	11	11	11	12	11	12	140	12
Transport-LVI ML														
Transport-SVJ	9	11	8	9	8	9	8	8	9	11	9	12	111	9
Transport-LVJ TP	7	7	5	7	6	7	6	6	7	7	7	7	79	7
Transport-SLVI TP	11	10	10	10	10	10	10	10	10	11	11	11	124	10
MERC-NMU Total	41,835	41,719	41,468	41,460	41,111	40,815	40,683	40,700	40,568	40,845	41,099	41,492	493,795	41,150

	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total	Average
MERC-PNG														
GS-1 Residential	145,535	145,707	145,801	145,847	145,983	145,101	144,773	144,677	144,468	144,799	145,163	146,118	1,743,972	145,331
GS-1 SC&I	6,252	6,232	6,219	6,224	6,237	6,168	6,225	6,141	6,069	6,083	6,114	6,206	74,170	6,181
GS-1 LC&I	8,039	8,003	8,007	8,010	8,012	7,950	7,938	7,938	7,893	7,898	7,946	8,020	95,665	7,972
SVI - 1	358	358	354	345	358	362	355	364	359	368	353	356	4,290	358
LVI - 1 TP	43	43	46	52	50	53	52	52	51	50	52	51	595	50
LVI - 1 ML	4	4	4	4	4	4	4	4	4	4	4	4	48	4
SVJ - 1	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Transport - SVI-1	5	5	5	5	5	5	5	5	5	5	5	5	60	5
Transport - LVI-1 TP	44	44	44	44	44	45	45	44	43	43	43	43	526	44
Transport - LVI-1 ML	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Transport - SVJ-1	6	6	6	6	6	6	6	6	6	6	6	5	71	6
Transport - LVJ-1 TP	45	45	45	45	45	44	44	45	45	45	45	45	538	45
Transport - SLVI	16	16	16	16	16	16	16	16	16	16	16	16	192	16
Transport - SLVJ	2	2	2	2	2	2	2	2	2	2	2	2	24	2
Transport for Resale	1	1	1	1	1	1	1	1	1	1	1	1	12	1
GS-4 Residential	3,988	3,917	3,942	3,952	3,943	3,891	3,834	3,826	3,867	3,847	3,899	4,057	46,963	3,914
GS-4 SC&I	290	310	313	309	309	304	295	293	292	294	301	314	3,624	302
GS-4 LC&I	396	401	403	406	406	396	389	387	390	390	389	410	4,763	397
SVI - 4	21	21	22	21	21	21	21	21	21	22	21	21	254	21
LVI - 4	1	1	1	1	1	1	1	1	1	1	1	1	12	1
SVJ - 4	5	5	5	5	5	5	5	5	5	5	5	5	60	5
Transport - SVI-4	4	4	4	4	4	4	4	4	4	4	4	4	48	4
Transport-SVJ-4	2	2	2	2	2	2	2	2	2	2	2	2	24	2
Transport - LVJ-4	4	4	4	4	4	4	4	4	4	4	4	4	48	4
GS-5 Residential	5,335	5,011	5,018	5,138	5,199	5,062	5,216	5,124	5,127	5,119	5,142	5,302	61,793	5,149
GS-5 SC&I	423	432	435	441	434	446	447	438	442	439	444	450	5,271	439
GS-5 LC&I	544	514	521	526	531	535	534	529	531	531	528	533	6,357	530
SVI - 5	6	6	6	6	6	6	6	6	6	6	6	6	72	6
SVJ - 5	6	6	6	6	6	6	6	6	6	6	6	6	72	6
Transport LVI - 5 TP	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVJ - 5 TP	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport - SVI-5	4	4	4	4	4	4	4	4	4	4	4	4	48	4
Transport LVJ - ML (3M Cottage Grove)	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVI - TP (Pro Corn)	1	1	1	1	1	1	1	1	1	1	1	1	12	1
Transport LVI - TP (Agra Resources)	1	1	1	1	-	-	-	-	-	-	1	1	6	1
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	1	1	1	1	1	1	-	-	6	1
Transport LVJ - TP (Swift)	(1)	1	1	1	1	1	1	1	1	1	1	3	12	1
Transport LVJ - TP (Spectro)	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Transport LVI - TP	3	3	3	3	3	3	3	3	3	3	3	3	36	3
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	171,395	171,122	171,254	171,444	171,656	170,462	170,263	169,963	169,682	170,012	170,524	172,011	2,049,788	170,816

Summary	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total	Average
MERC-NMU Total	41,835	41,719	41,468	41,460	41,111	40,815	40,683	40,700	40,568	40,845	41,099	41,492	493,795	41,150
MERC-PNG Total	171,395	171,122	171,254	171,444	171,656	170,462	170,263	169,963	169,682	170,012	170,524	172,011	2,049,788	170,816
Total MERC	213,230	212,841	212,722	212,904	212,767	211,277	210,946	210,663	210,250	210,857	211,623	213,503	2,543,583	211,965

**Minnesota Energy Resources Corporation
Proposed Test Year Daily Firm Capacity Nominations
For the 12 Months Ending, December 31, 2011**

<u>Line</u>	<u>Rate Class</u> (col. 1)	DFC Nomination 2009 Total Annual Per Books (col. 2)	2010 Growth (col. 3)	DFC Nomination Charge Counts 2010 Forecast (col. 4)	2011 Growth (col. 5)	DFC Nomination Charge Counts 2011 Forecast (col. 6)
<u>Residential Rate</u>						
1	Residential-NMU	-	-	-	-	-
2	Residential-NNG	-	-	-	-	-
3	Residential-Viking	-	-	-	-	-
4	Residential-Great Lakes	-	-	-	-	-
5	Total Residential	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>C&I General Service Rate</u>						
6	Small General Service-NMU	-	-	-	-	-
7	Small General Service-NNG	-	-	-	-	-
8	Small General Service-Viking	-	-	-	-	-
9	Small General Service-Great Lakes	-	-	-	-	-
10	Large General Service-NMU	-	-	-	-	-
11	Large General Service-NNG	-	-	-	-	-
12	Large General Service-Viking	-	-	-	-	-
13	Large General Service-Great Lakes	-	-	-	-	-
14	Total C&I General Service	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>Interruptible & Joint</u>						
15	Interruptible-NMU	-	-	-	-	-
16	Joint-NMU	-	-	-	-	-
17	Interruptible-NNG	-	-	-	-	-
18	Joint-NNG	2,340	10,960	13,300	(1,900)	11,400
19	Interruptible-Viking	-	-	-	-	-
20	Joint-Viking	4,360	-	4,360	-	4,360
21	Interruptible-Great Lakes	-	-	-	-	-
22	Joint-Great Lakes	37,680	-	37,680	-	37,680
23	Total Interruptible & Joint	<u>44,380</u>	<u>10,960</u>	<u>55,340</u>	<u>(1,900)</u>	<u>53,440</u>
<u>Transportation</u>						
24	Transportation-NMU	263,820	(50,340)	213,480	50,340	263,820
25	Transportation-NNG	5,263,430	(65,390)	5,198,040	65,390	5,263,430
26	Transportation-Viking	111,000	(57,300)	53,700	57,300	111,000
27	Transportation-Great Lakes	600	(300)	300	300	600
28	Total Transportation	<u>5,638,850</u>	<u>(173,330)</u>	<u>5,465,520</u>	<u>173,330</u>	<u>5,638,850</u>
29	MERC-NMU Total	263,820	(50,340)	213,480	50,340	263,820
30	MERC-PNG Total	<u>5,419,410</u>	<u>(112,030)</u>	<u>5,307,380</u>	<u>121,090</u>	<u>5,428,470</u>
31	Total MERC	<u><u>5,683,230</u></u>	<u><u>(162,370)</u></u>	<u><u>5,520,860</u></u>	<u><u>171,430</u></u>	<u><u>5,692,290</u></u>

Minnesota Energy Resources Corporation
Daily Firm Capacity Nominations
For the 12 Months Ending, December 31, 2009

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total
MERC-NMU													
GS-Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI-TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVI	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-LVI TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-LVI ML	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVJ	16,830	19,330	18,080	18,930	13,130	13,130	13,130	13,130	13,130	13,130	13,130	11,520	176,600
Transport-LVJ TP	9,560	9,560	9,560	9,560	7,060	7,060	7,060	5,060	5,060	5,060	5,060	7,560	87,220
Transport-SLVI TP	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-NMU Total	26,390	28,890	27,640	28,490	20,190	20,190	20,190	18,190	18,190	18,190	18,190	19,080	263,820

	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Total
MERC-PNG													
GS-1 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 1	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 1 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 1 ML	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 1	-	-	-	-	-	-	-	-	-	-	1,390	950	2,340
Transport - SVI-1	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - LVI-1 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - LVI-1 ML	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - SVJ-1	3,700	3,700	3,700	3,700	3,200	3,200	3,200	3,200	2,300	2,300	2,300	3,640	38,140
Transport - LVJ-1 TP	97,620	103,620	103,620	84,620	60,770	59,970	59,970	59,970	59,970	59,970	61,970	92,320	904,390
Transport - SLVI	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - SLVJ	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	4,094,400
Transport for Resale	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 4	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 4	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 4	390	390	390	390	390	390	70	390	390	390	390	390	4,360
Transport - SVI-4	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVJ-4	1,700	1,700	1,700	1,700	500	500	500	500	500	500	500	1,700	12,000
Transport - LVJ-4	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	99,000
GS-5 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-5 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-5 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 5	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 5	3,650	3,140	2,630	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	37,680
Transport LVI - 5 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - 5 TP	50	50	50	50	50	50	50	50	50	50	50	50	600
Transport - SVI-5	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - ML (3M Cottage Grove)	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	5,000	87,500
Transport LVI - TP (Pro Corn)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVI - TP (Agra Resources)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - TP (Swift)	12,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	78,000
Transport LVJ - TP (Spectro)	-	26,000	13,000	13,000	-	-	-	-	-	-	-	9,000	61,000
Transport LVI - TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	476,060	501,550	488,040	469,550	431,000	430,200	429,880	430,200	429,300	429,300	432,690	471,640	5,419,410

<u>Summary</u>													
MERC-NMU Total	26,390	28,890	27,640	28,490	20,190	20,190	20,190	18,190	18,190	18,190	18,190	19,080	263,820
MERC-PNG Total	476,060	501,550	488,040	469,550	431,000	430,200	429,880	430,200	429,300	429,300	432,690	471,640	5,419,410
Total MERC	502,450	530,440	515,680	498,040	451,190	450,390	450,070	448,390	447,490	447,490	450,880	490,720	5,683,230

Minnesota Energy Resources Corporation
Daily Firm Capacity Nominations
For the 12 Months Ending, December 31, 2010

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total
MERC-NMU													
GS-Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI-TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVI	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-LVI TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-LVI ML	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVJ	12,360	11,520	13,070	11,520	5,130	5,130	13,130	13,130	13,130	13,130	13,130	11,520	135,900
Transport-LVJ TP	9,920	7,560	7,560	7,560	5,060	5,060	7,060	5,060	5,060	5,060	5,060	7,560	77,580
Transport-SLVI TP	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-NMU Total	22,280	19,080	20,630	19,080	10,190	10,190	20,190	18,190	18,190	18,190	18,190	19,080	213,480

	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Total
MERC-PNG													
GS-1 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 1	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 1 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 1 ML	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 1	1,900	950	1,900	950	950	950	950	950	950	950	950	950	13,300
Transport - SVI-1	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - LVI-1 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - LVI-1 ML	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - SVJ-1	1,700	1,700	-	-	-	-	3,200	3,200	2,300	2,300	2,300	3,640	20,340
Transport - LVJ-1 TP	94,370	94,370	97,210	94,370	60,680	58,630	59,970	59,970	59,970	59,970	61,970	92,320	893,800
Transport - SLVI	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - SLVJ	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	4,094,400
Transport for Resale	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 4	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 4	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 4	390	390	390	390	390	390	70	390	390	390	390	390	4,360
Transport - SVI-4	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVJ-4	-	-	-	-	-	-	500	500	500	500	500	1,700	4,200
Transport - LVJ-4	-	-	-	-	-	-	8,250	8,250	8,250	8,250	8,250	8,250	49,500
GS-5 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-5 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-5 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 5	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 5	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	37,680
Transport LVI - 5 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - 5 TP	-	-	-	-	-	-	50	50	50	50	50	50	300
Transport - SVI-5	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - ML (3M Cottage Grove)	5,000	5,000	5,000	5,000	5,000	5,000	7,500	7,500	7,500	7,500	7,500	5,000	72,500
Transport LVI - TP (Pro Corn)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVI - TP (Agra Resources)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - TP (Swift)	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	72,000
Transport LVJ - TP (Spectro)	9,000	9,000	9,000	9,000	-	-	-	-	-	-	-	9,000	45,000
Transport LVI - TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	462,700	461,750	463,840	460,050	417,360	415,310	430,830	431,150	430,250	430,250	432,250	471,640	5,307,380

<u>Summary</u>													
MERC-NMU Total	22,280	19,080	20,630	19,080	10,190	10,190	20,190	18,190	18,190	18,190	18,190	19,080	213,480
MERC-PNG Total	462,700	461,750	463,840	460,050	417,360	415,310	430,830	431,150	430,250	430,250	432,250	471,640	5,307,380
Total MERC	484,980	480,830	484,470	479,130	427,550	425,500	451,020	449,340	448,440	448,440	450,440	490,720	5,520,860

**Minnesota Energy Resources Corporation
Proposed Test Year Daily Firm Capacity Nominations
For the 12 Months Ending, December 31, 2011**

	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total
MERC-NMU													
GS-Residential													-
GS-SC&I													-
GS-LC&I													-
SVI													-
LVI-TP													-
Transport-SVI													-
Transport-LVI TP													-
Transport-LVI ML													-
Transport-SVJ	18,080	18,080	18,080	18,930	13,130	13,130	13,130	13,130	13,130	13,130	13,130	11,520	176,600
Transport-LVJ TP	9,560	9,560	9,560	9,560	7,060	7,060	7,060	5,060	5,060	5,060	5,060	7,560	87,220
Transport-SLVI TP													-
MERC-NMU Total	27,640	27,640	27,640	28,490	20,190	20,190	20,190	18,190	18,190	18,190	18,190	19,080	263,820

	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	Total
MERC-PNG													
GS-1 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 1	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 1 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 1 ML	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 1	950	950	950	950	950	950	950	950	950	950	950	950	11,400
Transport - SVI-1	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - LVI-1 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - LVI-1 ML	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - SVJ-1	3,700	3,700	3,700	3,700	3,200	3,200	3,200	3,200	2,300	2,300	2,300	3,640	38,140
Transport - LVJ-1 TP	103,620	103,620	103,620	84,620	60,770	59,970	59,970	59,970	59,970	59,970	61,970	92,320	910,390
Transport - SLVI	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport - SLVJ	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	341,200	4,094,400
Transport for Resale	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-4 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 4	-	-	-	-	-	-	-	-	-	-	-	-	-
LVI - 4	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 4	390	390	390	390	390	390	70	390	390	390	390	390	4,360
Transport - SVI-4	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport-SVJ-4	1,700	1,700	1,700	1,700	500	500	500	500	500	500	500	1,700	12,000
Transport - LVJ-4	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	99,000
GS-5 Residential	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-5 SC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-5 LC&I	-	-	-	-	-	-	-	-	-	-	-	-	-
SVI - 5	-	-	-	-	-	-	-	-	-	-	-	-	-
SVJ - 5	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	3,140	37,680
Transport LVI - 5 TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - 5 TP	50	50	50	50	50	50	50	50	50	50	50	50	600
Transport - SVI-5	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - ML (3M Cottage Grove)	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	5,000	87,500
Transport LVI - TP (Pro Corn)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVI - TP (Agra Resources)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVI - TP (Flex Agra Resources)	-	-	-	-	-	-	-	-	-	-	-	-	-
Transport LVJ - TP (Swift)	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	72,000
Transport LVJ - TP (Spectro)	13,000	13,000	13,000	13,000	-	-	-	-	-	-	-	9,000	61,000
Transport LVI - TP	-	-	-	-	-	-	-	-	-	-	-	-	-
Taconite Mines (Michigan)	-	-	-	-	-	-	-	-	-	-	-	-	-
GS-1 Small C&I (South Dakota)	-	-	-	-	-	-	-	-	-	-	-	-	-
Pooling	-	-	-	-	-	-	-	-	-	-	-	-	-
MERC-PNG Total	489,500	489,500	489,500	470,500	431,950	431,150	430,830	431,150	430,250	430,250	432,250	471,640	5,428,470

Summary													
MERC-NMU Total	27,640	27,640	27,640	28,490	20,190	20,190	20,190	18,190	18,190	18,190	18,190	19,080	263,820
MERC-PNG Total	489,500	489,500	489,500	470,500	431,950	431,150	430,830	431,150	430,250	430,250	432,250	471,640	5,428,470
Total MERC	517,140	517,140	517,140	498,990	452,140	451,340	451,020	449,340	448,440	448,440	450,440	490,720	5,692,290