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AN EQUAL OPPORTUNITY EMPLOYER

August 5, 2016

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 Seventh Place East, Suite 350
St. Paul, Minnesota 55101

RE: **Comments of the Minnesota Department of Commerce, Division of Energy Resources**
Docket No. E123/CG-16-241

Dear Mr. Wolf:

On March 31, 2016, the Minnesota Public Utilities Commission (Commission) issued a Notice of Comment Period seeking comment on the complaint of Larry Fagen against Minnesota Valley Cooperative Light & Power Association. Attached please find the comments of the Minnesota Department of Commerce, Division of Energy Resources (Department) in this matter.

The Department is available to answer any questions the Commission may have.

Sincerely,

/s/ SUSAN L. PEIRCE
Rates Analyst

SLP/lt
Attachment

BEFORE THE MINNESOTA PUBLIC UTILITIES COMMISSION

COMMENTS OF THE
MINNESOTA DEPARTMENT OF COMMERCE
DIVISION OF ENERGY RESOURCES

DOCKET NO. E123/CG-16-241

I. BACKGROUND INFORMATION

On March 17, 2016, Larry Fagen, owner of a Qualifying Facility, (Complainant) filed a Complaint against Minnesota Valley Cooperative Light & Power Association (Minnesota Valley, or the Cooperative).

II. SUMMARY OF THE COMPLAINT

The Complainant has a total of 18.2 kW in solar generating capacity that was installed in two 9.156 kW systems over several years. The Complainant asserts that he was not given any option other than a kWh roll-over credit for any excess generation above his usage, contrary to the requirements of Minn. Stat. § 216B.164. He indicated that when he asked Minnesota Valley about other options for crediting the excess generation, he was told that if he wanted to go with any other option he would be subject to a \$650 annual fee. The claims against Minnesota Valley include:

1. Failure to permit Mr. Fagen to elect compensation for his excess generation under the options set forth in Minn. Stat. § 216B.164, subds. c and d.
2. Failure to use the statewide contract set forth in Minn. Rules pt. 7835.9910.
3. Failure to file its non-standard statewide contract with the Commission.
4. Mr. Fagen's system should not be subject to the choice of being charged a \$650 fee in lieu of participating in Minnesota Valley's "roll over" program because the initial array was installed prior to the effective date of the legislation allowing the "roll over" program and additional fees.

Finally, in requesting an extension on the comment period, Mr. Fagen noted that he had recently received a bill for service that included a “charge to meet minimum” that had never been applied to previous bills. He requested clarification on the application of the fee.

III. MINNESOTA VALLEY’S RESPONSE

On April 21, 2016, Minnesota Valley filed a response to Mr. Fagen’s Complaint. The Cooperative asserted that Minn. Stat. § 216B.164, subd. 3 (c) and (d) do not give the customer the exclusive choice on compensation for a qualifying or net metered facility.¹

...even construing the statutory language at issue in the manner that the Complaint suggests, the Cooperative denies that it violated Mr. Fagen’s right to elect to receive compensation under paragraphs 3(c) or 3 (d). As noted above, paragraph 3 (c) does not reference customer election at all. And while paragraph 3(d) does reference customer elective, the Cooperative disputes that Mr. Fagen was denied the average retail rate of compensation outlined in that section. The Cooperative respectfully submits that paragraphs 3(d) and 3(f) are not mutually exclusive. Indeed, paragraph 3(d) describes a *rate* of compensation, *i.e.*, “average retail utility energy rate,” whereas paragraph 3(f) describes a *method* of compensation, *i.e.*, a bill credit “in the form of a kilowatt-hour credit carried forward on the customer’s energy bill carried forward and applied to subsequent energy bills.” The effective rate of compensation, however, remains the “average retail utility energy rate” under paragraph 3(f), because for every 1 kW of power that Mr. Fagen inputs into the Cooperative’s system in a month where his generation exceeds his usage, he will receive the credit of 1 kW of power that would otherwise be charged to him at the retail rate in a subsequent month where his usage exceeds his generation. [Emphasis in original]²

Finally, Minnesota Valley maintained that Minn. Rules pt. 7835.4011 to 7835.4023, which set out the alternative rate options available to customers with Qualifying Facilities (QFs), only apply to interconnections between a Qualifying Facility and a public utility as set forth in Minn. Rules pt. 7835.4010.

¹ Minnesota Valley clarified that the \$650 fee referenced was an illustrative example intended to quantify the impact of choosing the kWh credit carry-forward compensation methodology.

² Minnesota Valley Response to Complaint at p. 5.

IV. DEPARTMENT ANALYSIS

A. RATE OPTIONS AVAILABLE TO CUSTOMERS WITH QUALIFYING FACILITIES IN COOPERATIVE SERVICE AREAS AND USE OF STANDARD CONTRACT

Minnesota Valley acknowledged that the statewide contract it pursued with Mr. Fagen preselected the rate option available to him, but maintained that Minn. Stat. § 216B.164 does not leave the final decision on rates to the customer.³ Minnesota Valley also argued that Minn. Rules pt. 7810.4010 exempts cooperatives from the rate alternatives set forth in Minn. Rules pt. 7835.4011 to 7835.4023. The Department disagrees with Minnesota Valley's interpretation of the Statute and Rules.

Minn. Stat. § 216B.164, subd. 3(a) requires cooperatives to compensate customers with Qualifying Facilities under 40 kW for net input into the utility system at a per kilowatt-hour rate as determined under Minn. Stat. § 216B.164, subd. (c), (d) or (f). Minn. Stat. § 216B.164, subd. (c) discusses the use of avoided costs, while subd. (d) states "a qualifying facility having less than 40-kilowatt capacity may elect that the compensation for net input by the qualifying facility into the utility system shall be at the average retail utility energy rate." [emphasis added] With 18.2 kW of solar capacity, Mr. Fagen's solar facility is less than 40 kW, and he may elect to be compensated at the average retail utility rate. Minn. Stat. § 216B.164, subd. (f) states,

a customer with a qualifying facility or net metered facility having a capacity below 40 kilowatts that is interconnected to a cooperative electric association or a municipal utility may elect to be compensated for the customer's net input into the utility system in the form of a kilowatt-hour credit on the customer's energy bill carried forward and applied to subsequent energy bills. Any kilowatt-hour credit on the customer's energy bill carried forward by the customer cancel at the end of the calendar year with no additional compensation." [emphasis added]

Minnesota Valley argued that the statute does not "evinced a legislative intent to leave it solely to the customer to choose which subparagraph(s) of Section 216B.164, subd. 3 to proceed [sic] for purposes of determining how the customer will be compensated for net input to a utility's electric system."⁴ Yet, Minnesota Valley's interpretation gives the customer no choice in how to be compensated. The Statute states that "a customer . . . may elect" the option of determining the method of compensation that best fits their needs; it does not state that "a utility . . . may elect."

Minnesota Rules pt. 7835.3200 (entitled, Standard Rates for Purchases by Cooperative Electric Associations and Municipal Utilities from Qualifying Facilities) states:

³ Minnesota Valley Response to Complaint at p. 9 and Appendix A.

⁴ Minnesota Valley Response to Complaint, p. 6.

Subpart 1. Qualifying facilities with 100 kilowatt capacity or less. For qualifying facilities with capacity of 100 kilowatts or less, standard purchase rates apply. The utility must make available three types of standard rates, described in parts 7835.3300, 7835.3400 and 7835.3500. The qualifying facility with a capacity of 100 kilowatts or less must choose interconnection under one of these rates, and must specify its choice in the written contract required in part 7835.2000. Any net credit to the qualifying facility must, at its option, be credited to its account with the utility or returned by check within 15 days of the billing date. The option chosen must be specified in the written contract required in part 7835.2000. Qualifying facilities remain responsible for any monthly service charges and demand charges specified in the tariff under which they consume electricity from the utility. [emphasis added].

In other words, the Rules explicitly require cooperatives to offer three types of standard rates 1) Average Retail Utility Energy Rate (7835.3300); 2) Simultaneous Purchase and Sale Billing Rate (7835.3400); or 3) Time-of-Day Purchase Rates (7835.3500).

With respect to the roll-over kWh credit, the 2015 Legislature amended Minn. Stat § 216B.164, subd (f) to state:

(f) A customer with a qualifying facility or net metered facility having a capacity below 40 kilowatts that is interconnected to a cooperative electric association or a municipal utility may elect to be compensated for the customer's net input into the utility system in the form of a kilowatt-hour credit on the customer's energy bill carried forward and applied to subsequent energy bills. Any kilowatt-hour credit on the customer's energy bill carried forward by the customer cancel at the end of the calendar year with no additional compensation.

Minn. Stat. § 216B.164, subd (f) became effective on July 1, 2015. Revisions to Minnesota Rules Chapter 7835, Cogeneration and Small Power Production Rules went into effect in September 2015, upon publication of the final rules in the State Register, and the Revisions did not reflect the July 1, 2015 changes to Minn. Stat. § 216B.164. Consequently, Minn. Rules Chapter 7835 does not include language pertaining to the kWh rollover credit as it applies to cooperatives. Similarly, the standard contract provided in Minn. Rules pt. 7835.9910 does not reflect the kWh rollover credit option for cooperatives.

Minn. Stat. § 216B.164, subd. 3a(a) and Minn. Rules. pt. 7835.4017 set forth the treatment of kWh rollover credits for customers with QF's interconnected to a public utility. The primary difference between the treatment of kWh rollover credits for cooperative customers and public utility customers is that unused kWh credits for a cooperative

customer are cancelled at the end of the year, whereas public utilities are required to compensate customers with unused kWh credits at the utility's avoided cost rate at the end of the year. Both the Statute and the Rules governing public utility treatment of the kWh rollover credit state that qualified customers "may elect to be compensated for the net input into the utility's system in the form of a kilowatt-hour credit on the customer's bill."⁵

In summary, the Statutes and Rules are clear that the customer, not the cooperative, may elect the method of compensation for net input from their QF. The Department does not expect that many cooperative customers with solar facilities will find it beneficial to choose the kWh rollover credit, given the requirement to forgo compensation for any unused kWh credits at year-end, because the seasonality of solar production could easily result in unused credits every year.

The Department recommends that Minnesota Valley be ordered to revise its contract to conform with Minnesota Rules with the addition of the option for a customer to select a kWh credit compensation method.

B. MINIMUM CHARGES; ADDITIONAL FEES FOR QFS ALLOWED BY 2015 STATUTORY CHANGES

The 2015 Minnesota Legislature amended Minn. Stat. § 216B, subd. 3 (a) to permit an additional fee:

A cooperative electric association or municipal utility may charge an additional fee to recover the fixed costs not already paid for by the customer through the customer's existing billing arrangement. Any additional charge by the utility must be reasonable and appropriate for that class of customer based on the most recent cost of service study. The cost of service study must be made available for review by a customer of the utility upon request.

This amended language took effect on July 1, 2015.

In his Complaint, Mr. Fagen alleged that Minnesota Valley informed him that failure to use the kWh rollover for his net input into their system would result in the need for the Cooperative to assess a \$650 annual fee. Minnesota Valley stated that its estimate of the annual fee was an effort to demonstrate the benefit of the rollover credit, and that in the absence of its use, the Cooperative could seek to recover a Grid Recovery Fee reflecting "the fixed costs not already paid for by the customer through the customer's existing billing arrangement."

The Department has reviewed the statutory language, and offers the following observations on determining a "reasonable and appropriate" additional charge.

⁵ Minn. Stat. §216B.164, subd. 3a(a) and Minn. Rules pt. 7835.4017, subp. 1.

First, any additional charge assessed on distributed generation (DG) customers should reflect only the incremental cost of serving those customers. Net metering customers continue to pay the monthly customer charge for their class of service, and consequently costs already recovered through the customer charge should not be assessed a second time.

Second, the Department cautions about the use of additional charges as a method to recover revenue decreases attributable to rate design decisions. In residential rate design, utility costs are typically recovered through either a fixed monthly customer charge or a per-kWh energy charge. In an effort to keep monthly fixed customer charges manageable, a utility may recover some of its fixed costs through the variable energy charge. Under such a rate design, payments by customers with average monthly usage will allow the utility to recover all the costs associated with serving the customer through the combination of the monthly customer charge and the energy charges. Customers with above-average monthly usage will contribute more than the average cost of serving them, while customers with below-average monthly usage will contribute less than the average cost to serve them.

In this instance, Minnesota Valley stated that its fixed costs total approximately \$49 per single phase customer per month from which it recovers \$20 through the monthly customer charge, and the remaining amount through the energy rate.⁶

The Department does not agree with Minnesota Valley's interpretation that Minn. Stat. § 216B.164, subd. 3a permits it to recover from a subset of customers, the DG customers, additional fixed distribution costs that are currently being recovered through its energy charge. Minnesota Valley's rate design is set up to recover a significant portion of fixed costs through the energy rate. Sales vary from year to year, due to many factors. It is unreasonable to distort a utility's rate design in an attempt to force a subset of customers to contribute more towards fixed cost recovery than is required of all other customers.

Mr. Fagen stated in his May 17, 2016 request for additional time to file comments that a minimum monthly charge of \$21.93 appeared on his bill dated April 8, 2016⁷ (Response and Tariff -Attachment C), and he questioned its application. On May 26, 2016, Minnesota Valley's Response to PUC Information Requests, indicated that it had had a minimum monthly charge in place since the 1970's. In its Response, Minnesota Valley stated:

There are costs in making electric service "available" to Minnesota Valley's members that are fixed and don't vary depending on the size of the single phase customer or the energy that they use. These costs include fixed overhead and accounting cost. The fixed cost per member, based on Minnesota Valley's last Cost of Service Study completed in 2012 was about \$49 per month per single phase customer. Part of this cost is recovered through an Availability charge of

⁶ Minnesota Valley Response to DOC IR No. 2 – Attachment A.
Minnesota Valley May 26, 2016 Response to PUC IRs – Attachment B.

⁷ Mr. Fagen Bill – Attachment C.

\$20 per month. The other part of this cost is recovered as part of the energy purchased from the Cooperative, or the Transformer Minimum charge if such energy purchases are insufficient to recover the fixed cost.⁸

The Single Phase Tariff containing the minimum charge has been in place for many years and is applied to all single phase customers, not just to customers having a distributed generation facility. The Minimum monthly charge under is the cooperative's "Availability Charge" (a monthly customer charge) plus \$1.50 for each kVA of installed transformer capacity in excess of 10 kVA. In this case, Minnesota Valley states Mr. Fagen is charged the \$20 per month customer charge plus \$22.50 (\$15 x \$1.50) for the 25 kVA transformer (25-10 = 15 kVA). The minimum charge only applies, if the member purchases insufficient energy to cover the transformer cost as part of their energy charge.⁹ In its further Response to a Department Information Request, the Cooperative stated that over the last 12 months, it has applied a minimum charge 2,342 times to 406 single-phase members, of which three have been DG systems (including Mr. Fagen).¹⁰

The minimum monthly charge referenced by the Complainant does not appear to be a DG charge. So long as costs charged to qualifying facilities by a cooperative is not discriminatory in relation to the costs charged to other customers of the utility¹¹, Minn. Stat. § 216B.01 exempts cooperatives from rate regulation except as otherwise provided. Minnesota Valley applies its minimum charge consistently across all of its single phase customers, and does not apply its minimum charge to only its distributed generation customers. Consequently, the Commission does not have regulatory authority over the minimum monthly charge charged under Minnesota Valley's Single Phase Tariff. Given Minnesota Valley's existing minimum charge, the Department does not expect the Cooperative to "charge an additional fee to recover the fixed costs not already paid for by the customer through the customer's existing billing arrangement".

III. DEPARTMENT RECOMMENDATIONS

The Department recommends that the Commission direct Minnesota Valley to revise its Contract for Cogeneration and Small Power Production Facilities to comply with Minn. Rules pt. 7835.9910 with the addition of an option for a per kilowatt-hour rollover credit as permitted under Minn. Stat. §216B.164, subd. 3(f), and to provide a revised contract to Mr. Fagen.

⁸ Minnesota Valley May 26, 2016 Response to PUC IRs – Attachment B

⁹ *Id.*

¹⁰ *Id.*

¹¹ Specific to cooperative electric associations and municipal utilities, Minn. Stat. § 216B.241, subd. 3(a) and 3(c) give the Commission authority to "ensure that the costs charged to the qualifying facility are not discriminatory in relation to the costs charged to other customers of the utility."

Attachment A

State of Minnesota
DEPARTMENT OF COMMERCE
DIVISION OF ENERGY RESOURCES

Nonpublic
Public

Utility Information Request

CG-16-241

Docket Number: E123/

Date of Request: 6/21/2016

Requested From: Pat Carruth
Minnesota Valley Cooperative

Response Due: 7/1/2016

Analyst Requesting Information: Susan L. Peirce

Type of Inquiry: Financial Rate of Return Rate Design
 Engineering Forecasting Conservation
 Cost of Service CIP Other:

If you feel your responses are trade secret or privileged, please indicate this on your response.

Request No.	
2	Please provide cost support or other documentation demonstrating the amount of fixed costs recovered through the usage charge. At what usage level are all fixed costs being recovered?

Response: For purposes of answering this question the term "fixed costs" is interpreted as relating to non-power supply costs that do not vary with the volume of electricity used or delivered.

According to the Class Cost of Service Study for the Single Phase rate class it is determined that there are three types of fixed costs being recovered through the usage charge: 1) transmission capacity-related, 2) distribution capacity-related and 3) distribution consumer-related costs. To the extent that the Monthly Customer Charge is not collecting all of the consumer-related fixed costs, these costs are being recovered in the Energy Charge(s). Also, for the Single Phase rate, there is not a Demand Charge, so the capacity-related transmission and distribution fixed costs are also being recovered in the Energy Charge(s). The table below demonstrates the amount of fixed costs being recovered through the usage charge.

Response by: Robert Walsh- Minnesota Valley Coop

List sources of information:

Title: Member Services Manager

Department: Member Services

Telephone: 320-269-2318

Line No.	Single Phase	2012	Reference
1			
2	Transmission Cost of Service - Capacity-Related	\$ 648,530	Exhibit 4, Page 3, Line 55
3	Distribution Fixed Cost of Service - Consumer-Related	\$ 2,842,161	Exhibit 4, Page 3, Line 58
4	Distribution Fixed Cost of Service - Capacity-Related	\$ 1,882,724	Exhibit 4, Page 3, Line 59
5	Distribution Fixed Costs - Total	\$ 5,373,415	Sum
6			
7			
8	Average No. Single Phase Customers	4,835	Exhibit 4, Page 29
9	Monthly Customer Charge	\$ 20.00	
10	Monthly Customer Charge Revenue	\$ 96,700	Line 8 x Line 9
11	Annual Customer Charge Revenue	\$ 1,160,400	Line 10 x 12
12			
13	Distribution Fixed Costs Recovered in Energy Rate	\$4,213,015	Line 5 - Line 11.
14	Annual Energy Sales	89,983,000	Exhibit 4, Page 29
15	Distribution Fixed Costs Recovered in Energy Rate	\$ 0.0468	Line 13 ÷ Line 14

Response: According to the MREA Net Metering.xls analysis file provided in response to Information Request No. 1, the amount of distribution fixed costs being recovered through the Energy Charge is \$0.0435 per kWh based on 2015 actual data.

It is assumed that the average fixed costs for the class are being recovered at a customer usage level equal to the Single Phase class average which in the 2012 Cost of Service study was 18,611 kWh per member-consumer per year. These fixed costs may or may not be recovered through the Energy Charge at an individual customer level depending on an individual customer's load factor in relation to the class average.

Response by: Robert Walsh- Minnesota Valley Coop

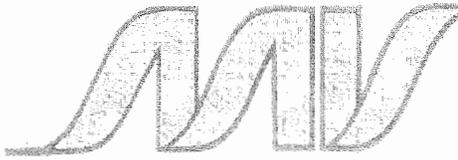
List sources of information:

Title: Member Services Manager

Department: Member Services

Telephone: 320-269-2318

Attachment B



**Minnesota Valley Cooperative
Light & Power Association**
501 South 1st Street P.O. Box 248 Montevideo, MN 56265

Phone: 320.269.2163/800.247.5051

E-Mail address: MNValley@MNValleyREC.com

Fax: 320.269.2302

May 26, 2016

To: Daniel Wolf
Executive Secretary
Minnesota Public Utilities Commission
350 Metro Square Building
121 7th Place East
St. Paul, MN 55101-2147

From: Robert Walsh
Member Services Manager
Minnesota Valley Cooperative Light & Power Association
501 South 1st Street
P.O. Box 248
Montevideo, MN 56265
bwalsh@mnvalleyrec.com

Re: **Minnesota Valley Cooperative Light & Power Association's Response to the Request for Information, PUC Docket Number: E123/CG-16-241**

Dear Mr. Wolf:

Minnesota Valley Cooperative Light & Power Association ("Minnesota Valley" or the "Cooperative") is responding to the Public Utility Commission's request for information dated 5/19/2016.

Response to Requests #1 & #2

The charges on the Minnesota Valley bill sent to Larry Fagen does in fact have a line item to meet the minimum transformer fees that have been in place previously for all members on the Cooperative's - Schedule A Single Phase Service Rate (copy attached). This transformer minimum charge has been in place since before Minn. Stat. 216B.164 was originally adopted.

The transformer minimum charge was implemented by Minnesota Valley in the 1970's when services such as grain drying and irrigation became commonplace on the Minnesota Valley system which required large transformers for low annual energy use services. For instance, the high energy demand dryer service would only be used for a few weeks a year and remain idle the remainder of the year, which would not allow Minnesota Valley to recover the true annual cost of this service through the energy it sold to this member. The cooperative, however, is required to pay for the depreciation, interest, taxes, insurance, operation, and maintenance each month for this high capacity service. The

transformer minimum charge allows the cooperative to collect those costs for installations that do not provide enough energy use per month to pay for the fixed costs of this service.

Please keep in mind that the transformer charge is a "minimum" charge in that, if the member purchases sufficient energy from the Cooperative to cover the transformer cost, there will be no additional transformer charge, only the Availability Charge and energy cost per kWh.

There are costs in making electric service "available" to Minnesota Valley's members that are fixed and don't vary depending on the size of the single phase customer or the energy that they use. These costs include fixed overhead and accounting cost. The fixed cost per member, based on Minnesota Valley's last Cost of Service Study completed in 2012 was about \$49 per month per single phase customer. Part of this cost is recovered through an Availability Charge of \$20 per month. The other part of this cost is recovered as part of the energy purchased from the Cooperative, or the Transformer Minimum Charge if such energy purchases are insufficient to recover the fixed cost.

Minnesota Valley's base rate applies to all residential single phase consumers and includes a transformer minimum of up to and including a 10 KVA transformer. All consumers are then charged \$1.50 per KVA for those in excess of the initial 10 KVA. Therefore, the Fagens are charged a \$20 base rate and \$22.50 (15 X \$1.50) for the excess KVA for the 25 KVA transformer on site (25 - 10 = 15 KVA). They previously had a 37.5 KVA transformer, which was reduced to a 25 KVA. They are not able to reduce the transformer size any lower due to the fact that their previous peak KW demand during the past 12 months was 23.25 KW in January of 2016.

Response to Request #3

The Fagen service has a general usage meter and also an electric heat meter. This electric heat meter is at a reduced Dual Heat Rate. The percentage contributed by Minnesota Valley is a formula that takes the total kWhs supplied by Minnesota Valley to the site, adds the total kWhs generated by the Fagen's and then subtracts the total kWhs supplied back on Minnesota Valley's line to come up with the total kWhs used on the Fagen's site for their own usage. The kWhs that were supplied by Minnesota Valley are then divided by the total used onsite to come up with the percentage that Minnesota Valley contributed to their onsite usage. This percentage is then applied to the total kWhs of electric heat to determine what amount of kWhs are eligible for the discounted heat rate.

Example

Minnesota Valley kWhs contributed	= 4,000
Renewable kWhs contributed	= 2,000
kWhs generated back online	= 1,000
Heat rate kWhs used	= 1,000

MVCLPA Response for Information Request, PUC Docker Number, E-123/CG-16-241
Page 3 of 3

$(4000 + 2000) - 1000 = 5,000$ kWhs used onsite $4000/5000 = 80\%$

80% of 1000 kWh (800) of electric heat are eligible for the discounted Dual Heat Rate

We feel this response should be helpful in explaining the Minnesota Valley billing questions,

Sincerely

A handwritten signature in black ink, appearing to read "Robert Walsh", written in a cursive style.

Robert Walsh
Member Services Manager

Enclosures

Minnesota Valley Cooperative
Light and Power Association
501 South First Street
Montevideo, MN 56265

Effective Date: January 1, 2013Sheet No. 1

SCHEDULE A SINGLE-PHASE SERVICE

Availability

Available to all Consumers, excluding irrigation, for all uses subject to the established rules and regulations of the Cooperative.

Character of Service

Single-phase, 60 Hertz, at available secondary voltage.

Monthly Rate

Availability Charge:	\$20.00 per month
Energy Charge:	
First 700 kWh per month	\$0.1163 per kWh
Over 700 kWh per month	\$0.0974 per kWh

Minimum Monthly Charge

The Minimum Monthly Charge under the above rates will be the Availability Charge plus \$1.50 for each kVA of installed transformer capacity in excess of 10 kVA. Payment of the Minimum Monthly Charge shall entitle the Consumer to the use of kilowatt hours corresponding to the foregoing rates.

Services of Limited or Uncertain Duration

When it is determined that a new service will have a limited or uncertain duration, such service will be rendered only after the following conditions are met:

1. The Consumer will give satisfactory assurance by means of written agreement as to the character, amount, and duration of the business offered.
2. The Consumer shall guarantee a minimum monthly bill for the service which will be computed on the basis of 1/60th of the investment, which includes all costs of additions to or alterations of lines and equipment necessary to make the service available, except transformer and meters. Minimum charges for service shall be based on investment only when the results in minimum charges are greater than those based on the kVA of installed transformer capacity.
3. This minimum bill will be effective for a period of five (5) years from the date on which service commences. After this period, the regular monthly minimum charge will be effective.

Minnesota Valley Cooperative
Light and Power Association
501 South First Street
Montevideo, MN 56265

Effective Date: January 1, 2013

Sheet No. 2

SCHEDULE A
SINGLE-PHASE SERVICE
(Continued)

Services Requiring Extraordinary Investments

When a new or an existing service requires extraordinary facilities not generally provided for other Consumers, such facilities will be provided when the Consumer agrees, in writing, to pay the costs incurred to provide the extraordinary facilities.

Terms of Payment

Monthly electric energy bills are due on the 25th of each month and will be considered delinquent if paid or postmarked after the 1st of the following month. If the 1st is a Saturday, Sunday, or legal holiday, bills will be considered delinquent if paid or postmarked after the next working day.

Delinquent accounts will be charged a late penalty of 1.5% of any unpaid balance.



Minnesota Valley Cooperative
Light and Power Association
PO Box 248
Montevideo, MN 56265

Website: www.mnvalleyrec.com

Daytime Phone #:
Evening Phone #:

Member #	Billing Date	Location #
16212.002	05/06/16	B4-18-03A

Due Date
05/25/16

Total Due
* Auto-Pay *

Bills remaining unpaid after the due date will be charged a 1.5% penalty on next month's statement.

Please return this portion with your payment. THANK YOU.

Member #	Name	Location #	Due Date	Billing Date
16212.002		B4-18-03A	05/25/16	05/06/16

Electricity usage this billing period			
Meter Readings			
Present	Previous	Mult	kWh Used
2971	2971	40	0
Demand Reading		.188	
Actual Demand		7.520	

Account Activity	
Previous Balance	42.50
Payment Received 04/27/16	42.50-
Balance Forward	.00
Base Charge	20.00
Charge to meet minimum	22.50
TOTAL DUE ON 05/25/16	42.50
Payment will be made on the 27th by your pre-authorized direct payment plan.	

Billing History for Past 12 Months		
Month	Demand	kWh
April 2015		
May 2015	8.00	80
June 2015	9.52	
July 2015		
August 2015	.52	
September 2015	1.52	40
October 2015	46.52	7,320
November 2015	14.00	2,720
December 2015	13.00	480
January 2016	11.00	240
February 2016	2.00	120
March 2016	1.52	120
April 2016	7.52	



Minnesota Valley Cooperative
Light and Power Association
PO Box 248
Montevideo, MN 56265
(320) 269-2163 (800) 247-5051
www.mnvalleyrec.com

A Message from Minnesota Valley R.E.C.

WE WISH YOU A SAFE AND HAPPY
MEMORIAL WEEKEND!

**Remember this
Location # when
reporting an outage**

Your Location #
B4-18-03A

Attachment C

Member #	Name	Location #	Due Date	Billing Date
14755.000	LARRY FAGEN	J3-12-03A	04/25/16	04/08/16

Electricity usage this billing period			
Meter Readings			
Present	Previous	Mult	kWh Used
71322	69862	1	13
Demand Reading			
844	789	20	1100
21331	19884	1	0
11238	9264	1	1974

Account Activity	
Previous Balance	83.13
Payment Received 03/17/16	83.13-
Balance Forward	.00
Base Charge	20.00
13 kwh @ 4.40000 (Heat Rate)	.57
73.48% contributed by MN Valley Power	
Security Light	8.00
Charge to meet minimum	21.93
Sales Tax (75.0% Exempt)	.86
TOTAL DUE ON 04/25/16	51.36

Billing History for Past 12 Months		
Month	Demand	kWh
March 2015	13.00	3,604
April 2015	10.50	3,054
May 2015	10.25	2,771
June 2015	8.50	2,735
July 2015	9.00	3,102
August 2015	8.50	2,752
September 2015	10.00	2,782
October 2015	22.25	4,333
November 2015	18.25	3,099
December 2015	23.25	3,361
January 2016	17.00	3,766
February 2016	13.75	2,296
March 2016	14.50	958



Minnesota Valley Cooperative
 Light and Power Association
 PO Box 248
 Montevideo, MN 56265
 (320) 269-2163 (800) 247-5051
www.mnvalleyrec.com

A Message from Minnesota Valley R.E.C.

DO YOU WANT A \$5.00 CREDIT OFF YOUR NEXT BILL? SIGN UP FOR AUTOMATIC PAYMENT OR OPERATION ROUND UP ON THE BACK SIDE OF THIS STATEMENT AND WE WILL CREDIT YOUR NEXT BILL!

Remember this
 Location # when
 reporting an outage

Your Location #
J3-12-03A

Keep this portion for your records.

CERTIFICATE OF SERVICE

I, Sharon Ferguson, hereby certify that I have this day, served copies of the following document on the attached list of persons by electronic filing, certified mail, e-mail, or by depositing a true and correct copy thereof properly enveloped with postage paid in the United States Mail at St. Paul, Minnesota.

**Minnesota Department of Commerce
Comments**

Docket No. E123/CG-16-241

Dated this 5th day of August 2016

/s/Sharon Ferguson

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ross	Abbey	ross@mysunshare.com	SunShare, LLC	609 S. 10th Street Suite 210 Minneapolis, MN 55404	Electronic Service	No	OFF_SL_16-241_Official PUC List
James	Alders	james.r.alders@xcelenergy.com	Xcel Energy	7th Floor 414 Nicollet Mall Minneapolis, MN 554011993	Electronic Service	No	OFF_SL_16-241_Official PUC List
Michael	Allen	michael.allen@allenergysolar.com	All Energy Solar	721 W 26th st Suite 211 Minneapolis, Minnesota 55405	Electronic Service	No	OFF_SL_16-241_Official PUC List
Julia	Anderson	Julia.Anderson@ag.state.mn.us	Office of the Attorney General-DOC	1800 BRM Tower 445 Minnesota St St. Paul, MN 551012134	Electronic Service	Yes	OFF_SL_16-241_Official PUC List
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	OFF_SL_16-241_Official PUC List
Sara	Baldwin Auck	sarab@irecusa.org	Interstate Renewable Energy Council, Inc.	PO Box 1156 Latham, NY 12110	Electronic Service	No	OFF_SL_16-241_Official PUC List
Sara	Bergan	sebergan@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	OFF_SL_16-241_Official PUC List
Derek	Bertsch	derek.bertsch@mrenergy.com	Missouri River Energy Services	3724 West Avera Drive PO Box 88920 Sioux Falls, SD 57109-8920	Electronic Service	No	OFF_SL_16-241_Official PUC List
William A.	Blazar	bblazar@mnchamber.com	Minnesota Chamber Of Commerce	Suite 1500 400 Robert Street North St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-241_Official PUC List
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Pat	Carruth	N/A	Minnesota Valley Coop. Light & Power Assn.	501 S 1st St. PO Box 248 Montevideo, MN 56265	Paper Service	No	OFF_SL_16-241_Official PUC List
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Deborah Fohr	Levchak	N/A	Basin Electric Power Cooperative	1717 East Interstate Avenue Bismarck, ND 585030564	Paper Service	No	OFF_SL_16-241_Official PUC List
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Stacy	Miller	stacy.miller@state.mn.us	Department of Commerce	State Energy Office 85 7th Place East, Suite 500 St. Paul, MN 55101	Electronic Service	No	OFF_SL_16-241_Official PUC List
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Dean	Sedgwick	N/A	Itasca Power Company	PO Box 457 Bigfork, MN 56628-0457	Paper Service	No	OFF_SL_16-241_Official PUC List
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Robert	Walsh	bwalsh@mnvalleyrec.com	Minnesota Valley Coop Light and Power	PO Box 248 501 S 1st St Montevideo, MN 56265	Electronic Service	No	OFF_SL_16-241_Official PUC List
Roger	Warehime	warehimer@owatonnautilities.com	Owatonna Public Utilities	208 South WalnutPO Box 800 Owatonna, MN 55060	Electronic Service	No	OFF_SL_16-241_Official PUC List

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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