



414 Nicollet Mall
Minneapolis, Minnesota 55401

September 30, 2016

—Via Electronic Filing—

Daniel P. Wolf
Executive Secretary
Minnesota Public Utilities Commission
121 7th Place East, Suite 350
St. Paul, MN 55101

RE: PETITION
RENEWABLE DEVELOPMENT FUND ANNUAL REPORT, TRACKER ACCOUNT
TRUE-UP AND REQUEST NEW 2016 RIDER FACTOR
DOCKET NO. E002/M-16-xxxx

Dear Mr. Wolf:

Northern States Power Company, doing business as Xcel Energy, submits this Petition requesting approval of the Renewable Development Fund (RDF) Annual Report, Tracker Account True-Up and Request for new 2017 Rider Factor.

We have electronically filed this document with the Commission, and copies of the summary have been served on the parties on the attached service list.

Please contact me at (612) 215-5367 or amy.s.fredregill@xcelenergy.com if you have any questions regarding this filing.

Sincerely,

/s/

AMY S. FREDREGILL
RESOURCE PLANNING AND STRATEGY MANAGER

Enclosures
c: Service List

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Beverly Jones Heydinger	Chair
Nancy Lange	Commissioner
Dan Lipschultz	Commissioner
Matt Schuerger	Commissioner
John Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF THE 2016 RENEWABLE
DEVELOPMENT FUND ANNUAL REPORT,
TRACKER ACCOUNT TRUE-UP, AND 2017
RATE RIDER FACTOR

DOCKET NO. E002/M-16-____

PETITION

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission this Petition requesting approval of the 2017 Renewable Development Fund (RDF) rate rider factor and the application of this new RDF factor to customer usage beginning January 1, 2017.

We are requesting Commission approval for a 2017 RDF rate rider factor of \$0.001034 per kWh to recover a total amount of \$31,243,865, consisting of 2017 RDF known and measurable expenses of \$23,617,465, and 2016 under-recovery expenses of \$7,626,400. This 2017 rider factor is anticipated to generate funds to cover expenses that include the installation of 3.8 MW of renewable electric energy generation, additional research to advance renewable energy in Minnesota, and almost \$17 million for solar energy generation incentives.

Table 1 below summarizes our 2017 RDF rate rider request within the context of a five-year trend in our annual filings. As Table 1 indicates, RDF program costs have continued to increase since 2013. This is due primarily to a higher level of participation in legislatively created programs funded by the RDF and the level of activity by RDF Cycle 4 projects. A breakdown of the \$31,243,865 of recoverable costs is summarized in Table 2 below.

Table 1: Annual RDF Rate Rider Comparisons (2013–2017)

2017 Rate Rider – Summary Table					
	2013 Rider	2014 Rider	2015 Rider	2016 Rider	2017 Rider
Forecasted Costs	\$12,427,420	\$20,233,602	\$18,158,462	\$23,009,335	\$23,617,465
True-Up Adjustment	(\$199,144) ¹	\$2,456,773	(\$120,346)	\$4,669,609	\$7,626,400
Balance to Recover	\$12,228,276	\$22,690,375	\$18,038,037 ²	\$27,678,944	\$31,243,865
Rate Factor	\$0.000402	\$0.000750	\$0.000563	\$0.000902	\$0.001034

Table 2: 2017 Recoverable Costs

2017 RDF Rate Rider Recoverable Costs		
Legislative Mandates:		
Renewable Energy Production Incentives	\$1,211,168	
Minnesota Bonus Solar Rebate Program	\$2,503,351	
Made in Minnesota Solar Energy Production Incentive Account	\$12,073,296	
Solar Energy Incentive Program	\$1,200,000	
Total Legislative Mandated Disbursements		\$16,987,815
Grant Disbursements		
Energy Production Grants	\$190,275	
Research and Development Grants	\$6,323,218	
Total Grant Disbursements		\$6,513,493
2016 True-up Expenses		\$7,626,400
Administration Costs		\$116,157
	Total 2017 Expenses	\$31,243,865

In this filing, we also request Commission approval of the RDF compliance report regarding Cycle 1 – 4 grant payments, submitted as Attachments 5 – 9.

¹ In the 2013 RDF Rate Rider filing, Docket No. E002/M-12-1062, we inadvertently calculated the 2012 carry forward based on the filed rate for 2012, not the final rate for 2012. This error impacted the 2012 carry forward used in the calculation of the 2013 rider rate. Because the carry forward was negative (an over collection), making the change would have increased the proposed 2013 rate rider. We agreed in our Reply Comments not to make that change. While this table shows the 2012 carry forward based on the filed rate for 2012, this issue has no impact on the 2017 rate calculation. We have updated with 2012 actual data, and calculated the actual carry forward.

² The 2015 Balance to Recover reflects the Company’s original request. The final approved RDF Rate Factor of \$0.000563 included a revision for the AnAerobics disallowance.

Finally, the Company intends to transfer about \$4.7 million to the unencumbered balance of the RDF program and make those funds available for other RDF purposes. This amount consists of approximately \$2.7 million, which remains from completed Cycle 1-3 projects that did not utilize their full grant award and approximately \$2.0 million resulting from the reallocation of Cycle 4 funds. (See Tables 4 and 5.)

I. SUMMARY OF FILING

Pursuant to Minnesota Rule 7829.1300, subd. 1, a one-paragraph summary of the filing accompanies this Petition.

II. SERVICE ON OTHER PARTIES

Pursuant to Minn. Stat. §216.17, subd. 3, we have electronically filed this document with the Minnesota Public Utilities Commission which, in compliance with Minn. Rule 7829.1300, subd. 2, also constitutes service on the Division of Energy Resource and the Office of Attorney General-Residential Utilities Division. A summary of the filing has been served on all persons on Xcel Energy's miscellaneous electronic service list.

III. GENERAL FILING INFORMATION

Pursuant to Minnesota Rule 7829.1300, subp. 3, the Company provides the following required information.

A. Name, Address, and Telephone Number of Utility

Northern States Power Company doing business as:
Xcel Energy
401 Nicollet Mall, 7th Floor
Minneapolis, MN 55401
(612) 330-5500

B. Name, Address, and Telephone Number of Utility Attorney

Mara K. Ascherman
Senior Attorney
Xcel Energy
401 Nicollet Mall, 8th Floor
Minneapolis, MN 55401
(612) 215-4605

C. Date of Filing and Date Proposed Agreement Will Take Effect

This Petition is being filed September 30, 2016. Pursuant to Minn. Stat. §216B.10, we request that the new rates reflecting recovery of the costs associated with the RDF Program be effective January 1, 2017.

D. Statute Controlling Schedule for Processing the Filing

This Petition is filed pursuant to Minn. Stat. § 216B.10 and 216B.1645 Subd. 2. Minn. Stat. § 216B.10 explains accounting, reporting, and auditing requirements. Minn. Stat. § 216B.1645 Subd. 2 provides the mechanism for recovering RDF costs. Since there is no net change in general revenue requirement necessary, the requested rate treatment falls within the definition of a “miscellaneous tariff filing” under Minn. Rule 7829.0100, subp.11. Comments on a miscellaneous filing are due within 30 days of its filing, with reply comments due 10 days thereafter.

E. Utility Employee Responsible for Filing

Amy S. Fredregill
Resource Planning and Strategy Manager
Xcel Energy
401 Nicollet Mall, 7th Floor
Minneapolis, MN 55401
(612) 215-5367

IV. SERVICE LIST

Pursuant to Minn. R. 7829.0700, Xcel Energy requests that the following persons be placed on the Commission’s official service list for this matter:

Amy S. Fredregill
Resource Planning and Strategy Manager
Xcel Energy
401 Nicollet Mall, 7th Floor
Minneapolis, MN 55401
amy.s.fredregill@xcelenergy.com

Carl Cronin
Regulatory Administrator
Xcel Energy
401 Nicollet Mall, 7th Floor
Minneapolis, MN 55401
regulatory.records@xcelenergy.com

Any information requests in this proceeding should be submitted to Mr. Cronin at the Regulatory Records email address above.

V. DESCRIPTION AND PURPOSE OF FILING

The purpose of this filing is to seek approval for a 2017 RDF Rate Rider Factor of \$0.001034 per kWh to be applied to Minnesota customer energy usage beginning January 1, 2017. We are proposing to recover a total amount of \$31,243,865 consisting of 2017 RDF known and measurable expenses of \$23,617,465 and 2016 under-recovery of expenses of \$7,626,400.

This Petition complies with the Commission's Orders³ and includes the following information:

- Historic trends;
- Forecasted expenditures submitted for cost recovery in 2017;
- Forecasted expenditures not submitted for cost recovery in 2017;
- RDF tracker account information; and
- Fund Liability and unencumbered balance.

All actual expenditures that have been reported in previous filings have not changed within this report. Where applicable, forecasted expenditures from previous filings have been updated to reflect subsequent actual expenditures or a revised forecasted value, based upon more recent information.

In support of our proposed rate adjustment, we provide the following attachments:

- Attachment 1: 2015 Rate Rider Calculation
- Attachment 2: 2016 Rate Rider Calculation
- Attachment 3: 2017 Rate Rider Calculation
- Attachment 4: 2018 Rate Rider Calculation

³ June 11, 2004 ORDER, Docket No. E002/M-03-2018 (*Changing Inter-Jurisdictional Cost Allocations, Establishing Rate Rider, and Removing Renewable Development Fund Expenses from the Fuel Clause*)
December 7, 2007 ORDER, Docket No. E002/M-07-1274 (*Petition for Approval of the RDF Annual Report, Tracker Account True-up, and New 2008 Rate Rider Factor*)
March 17, 2011 ORDER, Docket No. E002/M-10-1054 (*Approving 2011 Renewable Development Fund Rider Factor*)
June 6, 2011 ORDER, Docket No. E002/M-10-1054 (*After Reconsideration Modifying March 17, 2011 Order and Reallocating Expenses*)
February 17, 2012 ORDER, Docket No. E002/M-11-1007 (*Petition for Approval of the RDF Annual Report, Tracker Account True-up, and New 2012 Rate Rider Factor*)
December 21, 2012 ORDER, Docket No. E002/M-12-1062 (*Petition for Approval of the RDF Annual Report, Tracker Account True-up, and New 2013 Rate Rider Factor*)
December 11, 2013 ORDER, Docket No. E002/M-13-905 (*Petition for Approval of the RDF Annual Report, Tracker Account True-up, and New 2014 Rate Rider Factor*)
December 12, 2014 ORDER, Docket No. E002/M-14-814 (*Petition for Approval of the RDF Annual Report, Tracker Account True-up, and New 2015 Rate Rider Factor*)

- Attachments 5-9: Annual Compliance Report
- Attachment 10: RDF Projects Not Included in 2016 – 2017 Forecast
- Attachment 11: Proposed Cycle 4 Detail
- Attachment 12: Listing and Status of RDF Projects
- Attachment 13: RDF Administrative Costs
- Attachment 14: Report of Fund Liability and Unencumbered Balance
- Attachment 15: Comparison of Minnesota State Sales Allocator Based on RDF and Fuel Clause Adjustment (FCA) Sales
- Attachment 16: Comparison of Actual RDF Rider Revenues to Revenues Calculated using FCA Sales
- Attachment 17: Footnotes for All Schedules
- Attachment 18: Proposed updates to the RDF tariff in redline and clean format (Minnesota Electric Rate Book, MPUC No. 2, Sheet No. 5-143, revision 17)

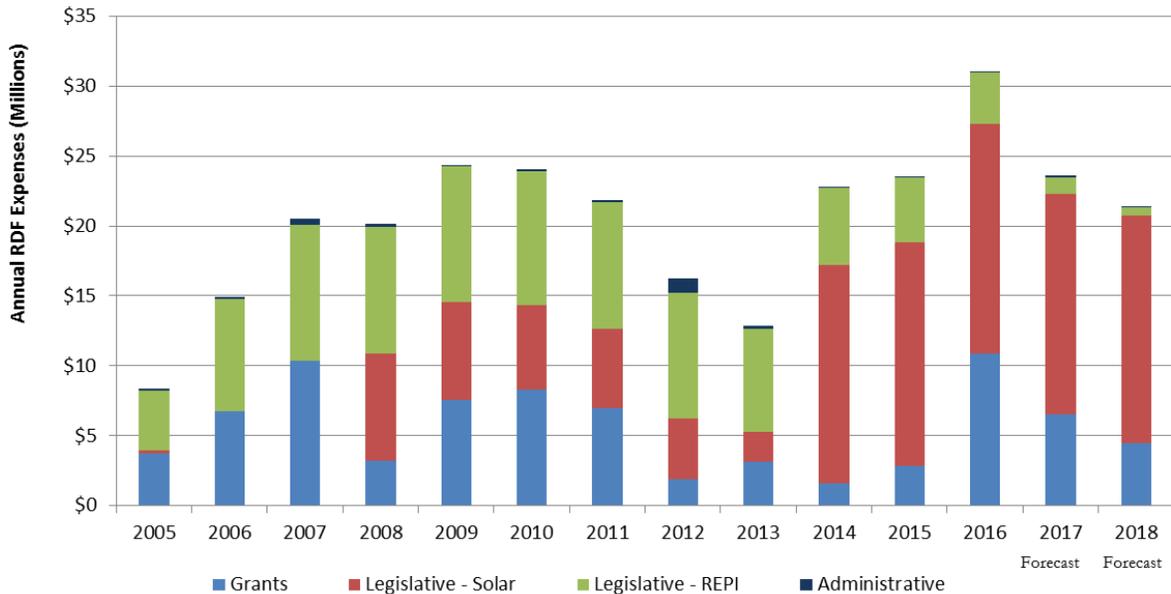
To provide further assurance of the accuracy of our calculations, we used an external auditor to review our submittal. The auditor (1) reviewed our revenue requirements and tracker calculations, (2) reviewed compliance of these calculations with the intent of applicable statutes, Commission Orders and previous filings, and (3) verified that costs recovered under the RDF rate rider factor are not being recovered under any other mechanism.

A. Historic Trends

The end of 2015 provides more than ten years of RDF activity and the opportunity to observe trends in RDF funded initiatives. Through 2010, expenses for project specific grant awards compromised a significant share of annual costs. Since 2010, however, RDF grant project payments started to decline and beginning in 2012 REPI program payments have declined as well. We anticipate REPI payments will continue to decline since many of the production facilities are reaching the end of their ten-year eligibility window.

Notwithstanding the declines in REPI and RDF grant funding, overall RDF expenditures have increased since 2014 in large part due to the use of the RDF program to support legislatively mandated solar initiatives such as the Made in Minnesota program. For example, in 2014 the RDF program made a \$12 million payment to the Made in Minnesota Solar Energy Production Incentive Account. In addition, we anticipate that RDF grant project payments will be higher over at least the next three years compared to the last four years as a result of the large number of approved Cycle 4 projects. See Figure 1 below for overall RDF cost recovery trends.

Figure 1: Annual RDF Costs for Recovery



While RDF annual costs for recovery will fluctuate over time depending upon the cost of legislative programs and grant awards, we anticipate overall that the RDF rate factor will tend to increase due to statutory obligations. We note that the projection for 2017 and 2018 in Figure 1 do not yet include a number of RDF grant projects that have yet to meet the known and measurable criteria (see Attachments 10 and 11), or the potential cost associated with the next cycle of RDF grant awards.

B. Expenditures Submitted for Cost Recovery

We are using the same set of known and measurable criteria in this filing for the calculation of the proposed 2017 RDF rate rider factor as we have since our October 1, 2010 RDF rate rider filing (Docket No. E002/M-10-1054). The criteria were approved by the Commission in its March 17, 2011 Order. As authorized by the 2011 Order, RDF project payments not recovered in 2016 are included for cost recovery as part of the 2017 RDF rate rider factor.

This section discusses the following four categories of expenditures for which we request cost recovery in 2017:

- (1) Payments made to fulfill Minnesota legislative mandates,
- (2) Payments made to RDF grant projects,
- (3) RDF administrative expenses, and
- (4) True up expenses for costs under-recovered in our 2016 RDF rate rider.

1. Minnesota Legislative Mandates

Our proposed 2017 RDF Rate Rider Factor includes \$16,987,815 for four mandated legislative initiatives that are funded through RDF disbursements as described below. The legislative initiatives consist of:

- \$1,211,168 for Renewable Energy Production Incentive (REPI) payments
- \$2,503,351 for the Minnesota Bonus Solar Rebate Program
- \$12,073,296 for the Made in Minnesota Solar Energy Production Incentive Account
- \$1,200,000 for the Solar Energy Incentive Program

We provide further detail on each of these RDF legislative initiatives below.

a. Renewable Energy Production Incentives (REPI)

The 2017 RDF tracker account includes payments in the amount of \$1,211,168 for the state REPI program, a program funded in full through the RDF. This amount is based on a forecast provided by the Minnesota Department of Commerce and includes \$157,924 for wind, \$605,426 for hydro, and \$447,818 for biogas.

Minn. Stat. §116C.779, Subd. 2. mandates that annual REPI payments up to \$10.9 million must be made available from the RDF account for qualifying projects including up to \$9.4 million annually for electricity generated by wind energy conversion systems and up to \$1.5 million annually for on-farm biogas recovery facilities and hydroelectric facilities. The REPI program provides an incentive payment of 1.0 cents per kWh for wind projects through December 31, 2018, biogas projects through December 31, 2015, and hydro projects through December 31, 2021. Xcel Energy is in compliance with the REPI statute since the annual amounts to be included in the 2017 RDF rate rider for cost recovery are the aggregate incentive payment for qualifying wind, biogas, or hydroelectric facilities as reported or projected by the Minnesota Department of Commerce, who administers this incentive program.

b. Minnesota Bonus Solar Rebate Program

In this filing, we are proposing to recover \$2,503,351 in Minnesota Bonus Solar Rebate Program payments forecasted to be made through December 31, 2017, a program funded in full through the RDF. These forecasted payments are legislatively mandated and meet the known and measurable criteria for other RDF energy production projects.

Specifically, the forecasted amount includes solar PV installations that have been completed and energized or have received a pre-approval acknowledgment letter.

Minn. Stat. §116C.7791, Subd. 5. mandates solar rebates, up to \$5.00 per watt of installed capacity for systems up to 40 kW, to be available for installations that use solar modules either manufactured or assembled in Minnesota. The statute appropriated \$21 million from the RDF at the rate of \$2 million in state fiscal year 2011, \$4 million in state fiscal year 2012, and \$5 million per year in state fiscal years 2013 through 2015. The Minnesota Bonus rebates are paid to each qualifying customer in five consecutive annual installments. The final installments will be paid in 2019. The Minnesota Bonus Solar Rebate Program was offered from 2011–2014. As of March 28, 2014 this program has been fully subscribed to obligate the statutory appropriation of \$21 million. Since full subscription, no new applicants have been accepted.

Applications submitted prior to March 28, 2014 have been processed and honored; therefore, current disbursements from the RDF are made through existing contracts. Xcel Energy is in compliance with the statute since the annual amounts included in the RDF rate rider for cost recovery are the aggregate Minnesota Bonus rebates for qualifying solar facilities as reported or projected by the Company, as the administrator of this rebate program.

c. Made in Minnesota Solar Energy Production Incentive Account

In this filing, we are proposing to recover \$12,073, 296 for a payment to the Commissioner of Commerce for deposit into the Made in Minnesota⁴ Solar Energy Production Incentive Account a program funded in part through the RDF. This payment is consistent with the 2016 payments and is based upon a total appropriation of \$15,000,000 of which \$2,926,704 will be received from electric utilities' CIP funds and the balance of \$12,073,296 to be appropriated from the RDF. Deposits into the Solar Energy Production Incentive Account are a known payment since the statute requires the payment to be made in 2017.

Minn. Stat. §216C.412, Subd. 1 mandates the establishment of a Made in Minnesota Solar Energy Production Incentive Account which will be a separate account in the special revenue fund in the state treasury. Minn. Stat. §216C.412, Subd. 2a specifies

⁴ There were four businesses producing solar panels in Minnesota that qualify for the Minnesota Bonus solar rebates: Heliene Solar Energy in St. Paul, Minnesota; itek Energy in Minneapolis, Minnesota; Silicon Energy in Mountain Iron, Minnesota; and tenKsolar in Bloomington, Minnesota. These are the same business that have production facilities in Minnesota which were identified in our last RDF Annual Report.

that for a total of ten years, beginning January 1, 2014 and each January 1 through to 2023, large public electric utilities subject to Minn. Stat. §216B.241 and required to fund energy Conservation Improvement Programs (CIP) must annually pay to the Commissioner of Commerce five percent of their minimum CIP spending for the year. Funds from the RDF are to be paid to the commissioner in an amount that, when added to the amount paid by the large public electric utilities, totals \$15,000,000 annually.

For the year 2017, the Company has paid \$12,073,296 to the Commissioner of Commerce, based on the following formula:

2016 Extension Minimum CIP Spending Requirement	=	\$58,534,077
		<u> x 5.0%</u>
Total Electric Utility Share	=	2,926,704
RDF Share	+	<u>12,073,296</u>
Total 2017 Annual Payment to Incentive Account	=	\$15,000,000

Xcel Energy is in compliance with the statute since in an August 1, 2014 Order the Commission extended the 2013-2015 CIP Triennial plans through 2016 (Docket No. E,G002/CIP-12-447). In 2016, each utility’s CIP spending was extended based on the previous triennial period. It should be noted that Interstate Light and Power sold its electric and natural gas assets to existing utilities within the state and is no longer operating in Minnesota. This sale had the direct effect to increase the RDF share. Therefore, for the year 2017, the Company paid \$12,073,296 (80 percent of the program costs) to the Commissioner of Commerce, based on the same formula used to calculate the 2014 RDF share since the total minimum CIP spending requirements remained the same through 2016.

d. Solar Energy Incentive Program

In this filing, we are proposing to recover \$1,200,000 in Solar Energy Incentive Program incentive payments forecasted to be made through December 31, 2017, a program funded in full through the RDF. These forecasted payments are legislatively mandated and meet the known and measurable criteria for other RDF energy production projects. Specifically, the forecasted amounts include solar PV installations that have been completed, energized and are producing power.

Minnesota’s Solar Energy Standards established by Minn. Stat. §116C.7792 directed the Company to establish a solar energy incentive program to be funded in full by RDF funds. The program is to provide solar energy production incentives for solar energy systems of no more than a total nameplate capacity of 20 kW direct current. The statute

specifies that the program shall be operated for five consecutive calendar years commencing in 2014. For each of the five years, \$5,000,000 shall be allocated from the RDF to this program. The production incentive is to be paid over the course of 10 years, commencing with the system operation.

In 2013, Xcel Energy filed a program proposal (Docket No. E,G002/CIP-13-1015) with the Department of Commerce seeking approval of the Company's Solar*Rewards program to provide solar energy production incentives for qualifying solar energy systems. The Solar*Rewards program launched on August 4, 2014. Xcel Energy is in compliance with the statute since the annual amounts included in the RDF rate rider for cost recovery are the aggregate Solar*Rewards incentive payments for qualifying solar facilities as reported or projected by the Company, as the administrator of this incentive program.

2. RDF Grant Project Payments

The total of RDF grant project expenses eligible for recovery in 2017 is \$6,551,070 which includes \$6,513,493 for recovery as part of our 2017 known and measurable costs and \$37,577 for recovery as part of our interchange agreement with the State of Wisconsin. These payments have been itemized on Attachment 9. To be included for cost recovery, RDF grant project expenses need to meet all of the following known and measurable criteria established pursuant to the Commission's March 17, 2011 Order. To meet these criteria, projects must:

- Have an executed RDF grant contract approved by the Commission;
- Have an executed power purchase agreement (PPA) reviewed by the Office of Energy Security (OES) and approved by the Commission;
- Have secured any necessary co-financing for the project;
- Have secured any necessary site lease; and
- Have initiated actual construction activity.

Research and development projects must meet all of the following criteria to be included as known and measurable costs:

- Have an executed RDF grant contract approved by the Commission;
- Have completed at least twelve months of project activity;
- Have completed all milestone requirements in a timely manner during at least the past 12 months consistent with the RDF grant contract;
- The project is currently within budget (plus or minus 10 percent);
- Have no outstanding technical issues that need to be resolved in order to proceed with the project in a timely manner; and

- Have demonstrated project management stability.

3. RDF Administrative Expenses

The total of RDF base level administrative expenses eligible for recovery in 2017 is \$126,300, which includes \$116,157 for recovery as part of 2017 known and measurable costs and \$10,143 for recovery as part of our interchange agreement with NSP-Wisconsin. The base level administrative expenses cover an RDF grant administrator, consulting services for Cycle 5 planning, Clean Energy States Alliance (CESA) membership dues, and RDF advisory group miscellaneous meeting expenses.

As was the case with previous grant cycles, the Company believes additional administrative resources will be needed as a Cycle 5 develops and the final Cycle 4 grant contracts are executed and project activity is initiated. Finally, the RDF has utilized outside legal counsel to assist with the due diligence and contract negotiation process for Cycle 4. Although there are no legal costs included for recovery in the 2016 RDF Rider, due to the high number of Cycle 4 contracts, the Company may seek recovery of RDF legal expense in future RDF Riders.

4. 2016 True-up Expenses

We are including 2016 true-up expenses in the amount of \$7,626,400 for recovery in 2017 calculated as follows:

Revenue	
Electric Sales	\$26,854,821
<u>Interdepartmental Refund</u>	<u>38,917</u>
Total:	26,893,738
Expenses	
2015 True-Up	\$5,279,012
Grant Disbursements	9,952,623
Administration	25,841
<u>Legislative Mandates</u>	<u>19,262,662</u>
Total:	34,520,138
2016 True Up	\$7,626,400

Primary drivers of the 2016 true-up include the under-recovery of about \$5.1 million for disbursements to RDF grant projects that did not meet the known and measurable criteria for inclusion in the 2016 rate factor, about \$1.2 million for the under-recovery

of legislative mandates and about \$0.6 million for electric sales that were less than forecast.

C. Expenditures Not Submitted for Cost Recovery

This section discusses costs that we have not included in our 2017 cost recovery request. Though many of these costs could be incurred in 2017 and thus may contribute to our under recovery of RDF expenses, we will true up any of these under-recovered costs in our 2018 RDF Rate Rider request, in accordance with the Commission's March 17 Order and our previous filings.

There are costs in one category—payments made to our RDF grant projects—for which we have not requested 2017 cost recovery.

1. RDF Grant Project Payments

a. Approved Grant Awards (Cycle 1, Cycle 3, Cycle 4)

There are \$4,895,046 of forecasted project payments that do not meet the known and measurable criteria and are therefore not included in our 2017 cost recovery request. These payments have been itemized on Attachment 10. If these costs are paid in 2017, the potential for under recovery of RDF expenses is increased.

The \$4,895,046 of forecasted payments includes one Cycle 1 RDF energy production project, three Cycle 4 RDF energy production projects, one Cycle 3 RDF research project, and one Cycle 4 RDF research projects. The four energy production projects are:

- Crown Hydro (AH-01)
- Minnesota Renewable Energy Society (EP4-15)
- Bergey Windpower (EP4-22)
- Dragonfly Solar (EP4-29)

The two research projects are:

- Coaltec (RD3-77)
- Barr Engineering (RD4-14)

The 2017 RDF forecast does not include anticipated payments for nine Cycle 4 projects⁵ that at the time this filing was prepared, no RDF grant contract had been executed and therefore did not meet the known and measureable criteria. It is possible these nine RDF grant contracts will be executed in 2017 and some grant payments will be disbursed in 2017.

We will request cost recovery for any disbursements made to these RDF projects during the next twelve months in our October 1, 2018 RDF Rate Rider filing. See Attachments 7 - 9 for details regarding these forecasted payments to Cycle 1, Cycle 3 and Cycle 4 projects in 2016 and 2017. See Attachment 11 for details regarding forecasted payments to Cycle 4 awards that have not executed grant contracts but may begin project activity in 2017.

D. RDF Tracker Account Information

The RDF tracker account is the mechanism used for RDF expenses to be recovered from Minnesota ratepayers. Costs are charged to the account as they are incurred, and the revenue from the current RDF rate rider is reflected in the account as it is collected. As noted above, we record the costs included in the tracker account in a manner consistent with the cost allocation methods approved by the Commission. RDF activity is assigned to FERC (Federal Energy Regulatory Commission) Account 182.3, Other Regulatory Assets, reflecting both the associated costs and revenues. The monthly revenue collected through the RDF rate adjustment is also recorded in FERC Account 407.3, Regulatory Debits.

Attachments 1 and 2 provide RDF actual expenditures and receipts and the true-up report for calendar years 2015 and 2016, respectively, including actual costs and revenues through August 2016.

a. 2017–2018 RDF Expenditures and RDF Rider Factor

After adjusting for the 2016 under-recovery of \$7,626,400, in 2017 we propose to recover RDF expenditures of \$31,243.865, as detailed on Attachment 3. In order to recover 2017 RDF expenses, we propose a 2017 RDF Rate Rider Factor of \$0.001034

⁵ March 11, 2014 ORDER, Docket No. E002/M-12-1278 (*Order Approving RDF Grant Recommendations, Establishing Funding Procedures, and Requiring Compliance Filings*). Awards were approved for twenty energy production projects, totaling \$26,559,723, six research and development projects, totaling \$5,449,774, and three higher education research programs, totaling \$10,657,215. In addition six projects were approved as reserves, totaling \$10,667,696, to replace an approved project if a grant contract cannot be developed.

per kWh. In accordance with the RDF Rider tariff, we will collect these costs through an adjustment applied to customers' energy usage.

We estimate, for informational purposes only, that 2018 RDF expenditures will be \$21,033,221, as detailed on Attachment 4. We are also estimating, for informational purposes only, that the 2018 RDF Rate Rider Factor will be \$0.0007 per kWh. However, this estimate will likely increase since it at this time it does not include payments that may be made to projects not meeting the known and measurable criteria and Cycle 4 projects that have not yet been approved for funding. The inclusion of these additional costs will effectively increase the 2018 RDF Rate Rider Factor.

b. RDF Off-Setting Revenue

Minn. Stat. §216B.1645, Subd. 2a. specifies that RDF expenses incurred by the Company pursuant to Minn. Stat. §116C.779 shall be recoverable from ratepayers to the extent they are not off-set by Company revenues attributable to RDF contracts, investments or expenditures.

To date, we have not received any off-setting revenues. A small number of RDF grantees have entered into PPAs with the Company for energy production projects, but these PPAs are for the sale of project energy to the Company. We have not received any revenue in conjunction with such PPAs. Nevertheless, for the sake of financial transparency, we have included a RDF tracker account line item documenting full statutory compliance. Similarly, the executed Cycle 4 research and development contracts and higher education block grant contracts contemplate that grantees will share varying percentages of revenue royalties with the Company, which will then be credited to our customers. To date, we have not received any royalty revenue from Cycle 4 grant contracts.

c. Administrative Costs

In the Commission's December 12, 2014 Order approving the 2015 Rate Rider Factor, the Commission:

Required Xcel in its next RDF annual tracker report to provide: (1) the level of the administrative cost allocation to be used in determining Minnesota jurisdictional RDF expenses, and (2) a narrative and documentation in support of the proposed level for the administrative cost allocator.

Consistent with this Order, the Company provided the requested information. In its initial comments, the Department noted that the Company revised the administrative cost allocator to allocate administrative costs based on the ratio of grant awards by project type to the total Cycle 4 grant awards. The Department concluded that the Company’s proposal is reasonable since the Company is now operating under the fourth RDF cycle.

For this filing, 48.84 percent of RDF Program administrative costs have been assigned to energy production projects and the remaining 51.16 percent have been assigned to research and development projects (and higher education block grants). This allocation is based on the same methodology used in our 2016 RDF rate rider petition. i.e. the ratio of grant awards by project type to the total Cycle 4 grant awards. A portion of the administrative costs assigned to energy production projects is allocated to NSP-Wisconsin through the Interchange Agreement. Table 3 below provides the total Cycle 4 Grant Awards by energy production and research and development, and the ratio of each type to the total.

Table 3: Calculation of the Administrative Cost Allocation

	Amount	% of Total
Total Cycle 4 EP Grants	\$19,878,132	48.84%
Total Cycle 4 R&D/High Ed Grants	\$20,826,026	51.16%
Total Cycle 4 Grant Awards	\$40,704,158	100.00%

The Cycle 4 grant payments used to create the administration cost allocator reflect all Cycle 4 grants awarded, including those approved but not included in the calculation of the 2017 RDF Rate Rider Factor. The Company will review this administration cost allocator with each RDF rate rider petition to ensure reasonableness.

In its December 7, 2007 Order, the Commission placed a cap on administrative expenses of no more than five percent of the RDF “total annual allocation.” Further, in a February 17, 2012 Order, the Commission approved a proposal by the Company and supported by the Department of Commerce that clarifies application of the five percent administrative cap. As specified in that Order, the Company shall provide an Actual and Forecasted Calculation of administrative costs and an Actual Only Calculation of such costs. Specifically, the Commission’s Order states:

1. *Actual and Forecasted Calculation. For informational purposes, the administrative cap percentage will be calculated based on actual and forecasted administrative expenses and grant project disbursements from 2004 to, and including, the second forecasted year in each new annual RDF rate rider*

filing. Total administrative costs will be divided by total grant project disbursements to compute the overall administrative cap percentage.

2. Actual Only Calculation. For compliance purposes, the same computation as described above will be applied but only for actual administrative expenses and grant project disbursements from 2004 to, and including, the most recent year in which actual costs have been reported.

Attachment 13 demonstrates that our Actual and Forecasted administrative costs as well as our Actual Only Calculation of administrative costs are in compliance with the December 7, 2012 Order and February 17, 2012 Order regarding administrative expenses.

E. Minnesota State Sales Monthly Allocator

The Minnesota State Sales Monthly Allocator is the ratio of Total NSPM Electric Sales to Total System Electric Sales. Actual monthly sales are used in the calculation of the allocator for January 2015–August 2016, and forecast monthly sales are used for the calculation of the allocator for September 2016–December 2017. The source data used to calculate the allocators is the actual MWh sales data and forecast MWh sales data that are entered into the rider calculation. The 2017 RDF Rider calculation is included as Attachment 3.

The Minnesota State sales allocator used in the 2017 RDF Rider filing is different from the actual Minnesota State sales allocator used in the Company's FCA filings. The RDF allocator is the ratio of Total NSPM Electric Sales (which includes the States of Minnesota, North Dakota, and South Dakota) to Total System (which includes the States of Minnesota, North Dakota, South Dakota, Wisconsin and Michigan) Electric sales. The FCA allocator is the ratio of State of Minnesota Electric sales to Total System Electric sales, both net of sales to Windsource customers. Windsource customers are exempt from the FCA, and are thus not included in the allocation ratio. Please see Attachment 15 for a comparison of the Minnesota State Sales Allocator for RDF and FCA sales.

Using Total NSPM Electric sales to allocate RDF costs to Minnesota State was supported in the Commission's Final Order on the Company's 2011 RDF Rider filing (Docket No. E002/M-10-1054), and in the Department of Commerce December 15, 2011 Comments on the Company's 2012 RDF Rider filing (Docket No. E002/M-11-1007).

F. Fund Liability and Unencumbered Balance

When a RDF grant is awarded we encumber the full grant amount. The RDF disburses grant funds to reimburse project sponsors for actual project costs. Therefore, if a project incurs costs less than the entire grant award, RDF funds that had been encumbered are not disbursed. To date, 64 RDF executed contracts have ended and are no longer active projects. The Company has no additional obligation to pay these grantees under the terms of the grant contract. Twenty five of these projects did not utilize the entire grant award and is summarized in Table 4 below. A total of \$2,684,951 will not be disbursed to these twenty three projects that have been completed at a total RDF cost less than awarded.

Table 4: Completed RDF Contracts

Unspent Funds from Completed RDF Grant Contracts					
Contract #	Cycle	Grantee	Grant Award	Grant Disbursed	Difference
AB-07	1	AnAerobics Inc.	\$1,300,000	\$1,100,000	\$200,000
BB-03	1	Sebesta Blomberg	\$738,654	\$738,645	\$9
BB-06	1	Energy Performance	\$266,508	\$257,247	\$9,261
BB-09	1	University of ND	\$444,478	\$444,443	\$35
BB-10	1	Community Power	\$638,635	\$548,692	\$89,943
BB-12	1	University of ND	\$60,000	\$59,981	\$19
BW-06	1	Blattner and Sons	\$68,470	\$62,346	\$6,124
CB-08	1	University of ND	\$1,250,142	\$1,250,056	\$86
CS-05	1	NREL	\$934,628	\$924,757	\$9,871
CW-02	1	Global Energy	\$75,000	\$73,239	\$1,761
EP-44	2	CMEC	\$2,000,000	\$400,000	\$1,600,000
RD-34	2	University of Florida	\$999,995	\$996,875	\$3,120
RD-56	2	University of MN	\$858,363	\$803,246	\$55,117
RD-93	2	NREL	\$1,000,000	\$949,005	\$50,995
RD-107	2	NREL	\$1,000,000	\$944,452	\$55,548
RD-110	2	Iowa State Univ.	\$405,000	\$98,345	\$306,657
EP3-13	3	Minnesota DNR	\$894,000	\$878,966	\$15,034
RD3-1	3	University of MN	\$992,989	976,743	\$16,246
RD3-23	3	University of MN	\$819,159	\$729,717	\$89,442
RD3-28	3	University of MN	\$979,082	\$979,048	\$34
RD3-42	3	University of MN	\$999,999	\$999,598	\$401
RD3-66	3	University of ND	\$999,065	\$998,697	\$368
RD3-68	3	University of ND	\$970,558	\$970,480	\$78
RD3-69	3	MnVAP	\$1,000,000	\$825,489	\$174,511
RD3-71	3	University of ND	\$999,728	\$999,438	\$290
TOTAL			\$20,694,453	\$18,009,497	\$2,684,951

The Company intends to add the \$2,684,951 to the unencumbered balance and make it available for future RDF program purposes.

Cycle 4 encumbered \$42,666,712 for 29 grant awards. A reserve project funding list, consisting of six projects with a cumulative grant total of \$10,667,696, was approved to be used if an impasse prevented an awarded project from moving forward. An impasse was encountered during the contract development phase of the process for four approved awards and one reserve list award. Grant funding for these five projects was reallocated to remaining projects on the reserve list. The withdrawn and reallocated awards are summarized on Table 5 below.

Information related to issues creating the impasse and a request for reallocation was submitted in Docket No. E-002/M-12-1278 on January 21, 2016 and April 6, 2016 using a process contemplated in the March 2014 Order. \$12,630,250 in total Cycle 4 awards was withdrawn and \$10,667,696 was reallocated. The Company intends to add the difference of \$1,962,554 to the unencumbered balance and make it available for future RDF program purposes.

Table 5: Cycle 4 Awards Withdrawn and Reallocated

Balance of Awards Withdrawn and Reallocated			
Proposal	Applicant	Award Withdrawn	Award Reallocated
EP4-4	SGE Partners	\$5,000,000	\$0
EP4-9	Mondovi Energy Systems	\$2,000,000	\$0
EP4-21	Farmamerica	\$600,000	\$0
EP4-39	Goodwill Solar, LLC	\$1,075,250	\$0
RD4-4	Xcel Energy Business Systems	\$390,000	\$0
EP4-36	City of Austin	\$3,565,000	\$3,565,000
EP4-44	Region 5	\$0	\$1,993,659
RD4-8	City of Red Wing	\$0	\$1,999,500
RD4-5	University of Florida	\$0	\$1,109,538
RD4-7	Interphases Solar	\$0	\$1,000,000
RD4-1	University of Minnesota	\$0	\$999,999
TOTAL		\$12,630,250	\$10,667,696
Difference between awards withdrawn and awards reallocated			\$1,962,554

In the Commission's December 21, 2012 Order in Docket E002/M-12-1062, the Commission ordered the Company to provide an updated version of Table A as required by Point 8.A of the March 17, 2011 Order in Docket No. E002/M-10-1054. The required information is provided in Table 6 below. As of December 31, 2015 Xcel Energy has incurred a total liability of \$275,750,000 for funding the RDF. A

total of \$227,713,902 of aggregated payments has been approved and obligated. This includes payments for both legislative mandated programs and RDF grant awards approved by the Commission for Cycles 1, 2, 3 and 4. Xcel Energy has recovered a total of \$222,021,158 from electric ratepayers for RDF expenses. As of December 31, 2015 the RDF had an unencumbered cumulative balance of \$5,692,744.

Table 6: RDF Liabilities and Obligations

RDF Program Summary	
Category	Amount as of December 31, 2015
The total liability the Company has incurred under Minn. Stat. §116.799	\$275,750,000
The Company's aggregate payments for approved renewable development projects and legislative mandates	\$227,713,902
The total amount recovered through the fuel clause adjustment mechanism and RDF rate rider factor for RDF costs	\$12,202,440 (Fuel Clause) <u>\$222,021,158 (RDF Rate Rider)</u> \$234,100,061 (Total Recovered)
The unencumbered cumulative balance remaining in the fund	\$5,692,744

G. Solar Energy Standard (SES) Exemption

The SES (Minn. Stat. § 216B.1691, subd. 2f (d)) provides an exemption from the costs of satisfying the solar standard to customers that are an iron mining extraction and processing facility, a paper mill, wood products manufacturer, sawmill, or oriented strand board manufacturer. The RDF program provides funding for various solar programs and projects⁶ that are used by the Company to satisfy the solar standard. Consequently, an RDF rate adjustment may be required in the future if the Company receives an exemption request from an eligible customer. At this point, however, no such request has been received.

On January 29, 2016 in Docket No. E999/CI-13-542 the Commission approved the Company's proposal for processing customer applications requesting exclusion from the costs incurred to meet the SES. The process for determining how to calculate these costs has not yet been developed for all utilities.

⁶ Such programs include Solar*Rewards, Made In Minnesota, and Community Solar Gardens. Solar projects include Slayton Solar, St. John's Solar, and School Sisters of Notre Dame Solar.

H. Customer Notifications and Billing

The RDF rate rider factor is not shown as a separate calculation on customers' bills, but is contained within the Resource Adjustment line on the customers' bill. We propose the following notice on customers' bills issued on the first month the new RDF rate adjustment takes effect.

Renewable energy development costs are included as part of the Resource Adjustment line on your bill. Beginning this month, the renewable energy development costs have increased from \$0.000902 per kWh to \$0.001034 per kWh. Visit xcelenergy.com/rdf to find more on Xcel Energy's renewable energy development programs.

This proposed notice language is identical to that used to communicate prior year RDF rate rider factors. We will work with the Commission's Consumer Affairs Office to finalize the wording of the customer notice.

VI. EFFECT OF CHANGE UPON XCEL ENERGY REVENUE

We expect the updated RDF rate adjustment to increase Xcel Energy's 2017 revenues by \$4,389,044 compared to 2016. This assumes 2016 revenues will total \$26,854,821 and 2017 revenues will total \$31,243,865. These revenues will be offset by the costs identified in this petition resulting in no net change to Company revenues. Any over-recovery or under-recovery of 2017 actual costs will be identified in the RDF tracker account and reflected in the 2018 RDF rate adjustment.

CONCLUSION

We respectfully request approval from the Commission to change the RDF Rate Rider Factor from \$0.000902 per kWh to \$0.001034 per kWh effective January 1, 2017. We will continue to apply the RDF Rate Rider Factor to all Minnesota customers who are subject to service under the Fuel Clause Rider and who take service under the Windsource Program rider.

Finally, pursuant to the Commission's June 11, 2004 and March 17, 2011 Orders, we request Commission approval of the RDF compliance report submitted with this filing as Attachments 5-9.

Dated: September 30, 2016

Northern States Power Company

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Beverly Jones Heydinger	Chair
Nancy Lange	Commissioner
Dan Lipschultz	Commissioner
Matt Schuerger	Commissioner
John Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF THE 2016 RENEWABLE
DEVELOPMENT FUND ANNUAL REPORT,
TRACKER ACCOUNT TRUE-UP, AND 2017
RATE RIDER FACTOR

DOCKET NO. E002/M-16-_____

PETITION

SUMMARY OF FILING

Please take notice that on September 30, 2016 Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission a Petition for approval to change the Renewable Development Fund (RDF) Rate Rider Factor from \$0.000902 per kWh to \$0.001034 per kWh effective January 1, 2017. This rate change is necessary to recover \$31,243,865 from Minnesota electric retail customers in 2017. In addition, the Company submitted its report of activity in the RDF tracker account, true-up of forecasted RDF expenses versus actual expenses, and compliance filing.

**2017 RDF Rate Rider Petition
Attachment List**

Attachment	Description
Attachment 1	2015 RDF Rider Calculation
Attachment 2	2016 RDF Rider Calculation
Attachment 3	2017 RDF Rider Calculation
Attachment 4	2018 RDF Rider Calculation
Attachment 5	Annual Compliance Report-Forecast
Attachment 6	Annual Compliance Report-Cycle 1 Projects Actuals through August 2014, Forecast through December 2017
Attachment 7	Annual Compliance Report-Cycle 2 Projects Actuals through August 2014, Forecast through December 2016
Attachment 8	Annual Compliance Report-Cycle 3 Projects Actuals through August 2014, Forecast through December 2018
Attachment 9	Annual Compliance Report-Cycle 4 Projects Actuals through August 2014, Forecast through December 2018
Attachment 10	RDF Previous Cycle Projects Not Included in 2016-2017 Forecast
Attachment 11	Cycle 4 Detail Regarding Contract Development
Attachment 12	Listing and Status of RDF Projects
Attachment 13	RDF Administrative Costs
Attachment 14	Report of Fund Liability and Unencumbered Balance
Attachment 15	Comparison of MN State Sales Allocator Based on RDF and FCA Sales
Attachment 16	Comparison of Actual RDF Rate Rider Revenues to Revenues Calculated using FCA Sales
Attachment 17	Footnotes for All Schedules
Attachment 18	Proposed Tariff Sheet

RENEWABLE DEVELOPMENT FUND
2015 Rider Calculation
 State of Minnesota Recovery

2015 RDF Expenses

	Actual Jan 2015	Actual Feb 2015	Actual Mar 2015	Actual Apr 2015	Actual May 2015	Actual Jun 2015	Actual Jul 2015	Actual Aug 2015	Actual Sep 2015	Actual Oct 2015	Actual Nov 2015	Actual Dec 2015	Total 2015
Category A Projects - EP	\$ -	\$ -	\$ 172,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ 1,072,213
Category B Projects - R&D	\$ -	\$ -	\$ 74,629	\$ -	\$ -	\$ 658,668	\$ 4,254	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,737,551
Other Legis Mandates	\$ 12,121,893	\$ 106,110	\$ 180,721	\$ 94,704	\$ 645,262	\$ 80,941	\$ 430,840	\$ 665,803	\$ 277,511	\$ 694,436	\$ 141,391	\$ 592,339	\$ 16,031,951
REPI	\$ 257,535	\$ 446,771	\$ 263,009	\$ 288,052	\$ 1,648,576	\$ 325,089	\$ 163,199	\$ 205,174	\$ 302,328	\$ 183,690	\$ 269,763	\$ 299,773	\$ 4,652,960
Total Project Costs	\$ 12,379,429	\$ 552,881	\$ 690,572	\$ 382,756	\$ 2,293,838	\$ 1,064,698	\$ 598,293	\$ 870,977	\$ 579,839	\$ 1,778,126	\$ 411,154	\$ 1,892,112	\$ 23,494,675
Total Admin Costs	\$ 7	\$ 560	\$ -	\$ 11	\$ -	\$ 65	\$ 125	\$ 12,860	\$ 94	\$ 1,562	\$ 401	\$ 56	\$ 15,741
Total RDF Expense	\$ 12,379,435	\$ 553,440	\$ 690,572	\$ 382,767	\$ 2,293,838	\$ 1,064,764	\$ 598,418	\$ 883,837	\$ 579,933	\$ 1,779,688	\$ 411,554	\$ 1,892,167	\$ 23,510,415

MN State Sales Allocator	83.1724%	83.1051%	83.1743%	83.6704%	83.7227%	84.6968%	84.9460%	84.4899%	84.0738%	84.1676%	83.6141%	83.5752%
MN Administrative Cost Allocator	91.5862%	91.5526%	91.5872%	91.8352%	91.8614%	92.3484%	92.4730%	92.2450%	92.2223%	92.2681%	91.9978%	91.9788%

2015 RDF Rider Recovery

Category A Projects - EP	\$ -	\$ -	\$ 143,237	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 757,508	\$ -	\$ -	\$ 900,745
Category B Projects - R&D	\$ -	\$ -	\$ 74,629	\$ -	\$ -	\$ 658,668	\$ 4,254	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,737,551
Other Legis Mandates	\$ 12,121,893	\$ 106,110	\$ 180,721	\$ 94,704	\$ 645,262	\$ 80,941	\$ 430,840	\$ 665,803	\$ 277,511	\$ 694,436	\$ 141,391	\$ 592,339	\$ 16,031,951
REPI	\$ 257,535	\$ 446,771	\$ 263,009	\$ 288,052	\$ 1,648,576	\$ 325,089	\$ 163,199	\$ 205,174	\$ 302,328	\$ 183,690	\$ 269,763	\$ 299,773	\$ 4,652,960
Administrative Costs (1)	\$ 6	\$ 512	\$ -	\$ 10	\$ -	\$ 60	\$ 116	\$ 11,863	\$ 87	\$ 1,441	\$ 369	\$ 51	\$ 14,516
AnAerobic Disallowance	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (67,627)	\$ (811,518)
Expense Recovery	\$ 12,311,808	\$ 485,766	\$ 593,970	\$ 315,140	\$ 2,226,212	\$ 997,132	\$ 530,782	\$ 815,213	\$ 512,300	\$ 1,569,449	\$ 343,896	\$ 1,824,536	\$ 22,526,205

Total 2015 RDF Expense Recovery	\$ 22,526,205
2014 True-up Amount to be Included in the Calculation of the 2015 RDF Rider	\$ 154,716
Total Amount to be Recovered Through the 2015 Rider	\$ 22,680,920

2015 RDF Rider Calculation

	Actual Jan 2015	Actual Feb 2015	Actual Mar 2015	Actual Apr 2015	Actual May 2015	Actual Jun 2015	Actual Jul 2015	Actual Aug 2015	Actual Sep 2015	Actual Oct 2015	Actual Nov 2015	Actual Dec 2015	Total 2015
2015 MN Calendar Month kWh Sales	2,616,082,142	2,345,601,418	2,466,540,831	2,248,153,260	2,348,012,425	2,576,393,365	2,920,991,763	2,858,348,017	2,631,584,000	2,455,729,000	2,356,064,000	2,487,412,594	30,310,912,817

2015 Minnesota RDF Rider Factor (approved 12/12/2014) **\$ 0.000563**

2015 RDF Tracker Calculation

	Actual Jan 2015	Actual Feb 2015	Actual Mar 2015	Actual Apr 2015	Actual May 2015	Actual Jun 2015	Actual Jul 2015	Actual Aug 2015	Actual Sep 2015	Actual Oct 2015	Actual Nov 2015	Actual Dec 2015	Total 2015
Previous Year True-Up	\$ 154,716												\$ 154,716
Actual Expenses	\$ 12,311,808	\$ 485,766	\$ 593,970	\$ 315,140	\$ 2,226,212	\$ 997,132	\$ 530,782	\$ 815,213	\$ 512,300	\$ 1,569,449	\$ 343,896	\$ 1,824,536	\$ 22,526,205
Actual Retail Rider Revenues	\$ 1,865,179	\$ 1,331,725	\$ 1,480,294	\$ 1,292,741	\$ 1,204,604	\$ 1,411,180	\$ 1,613,895	\$ 1,639,877	\$ 1,540,022	\$ 1,411,686	\$ 1,194,490	\$ 1,416,216	\$ 17,401,908
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 10,601,345	\$ (845,959)	\$ (886,324)	\$ (977,601)	\$ 1,021,608	\$ (414,048)	\$ (1,083,113)	\$ (824,664)	\$ (1,027,722)	\$ 157,763	\$ (850,594)	\$ 408,320	\$ 5,279,012

2015 RDF Rider True-Up **\$ 5,279,012**

RENEWABLE DEVELOPMENT FUND
2016 Rider Calculation
 State of Minnesota Recovery

2016 RDF Expenses

	Actual Jan 2016	Actual Feb 2016	Actual Mar 2016	Actual Apr 2016	Actual May 2016	Actual Jun 2016	Actual Jul 2016	Actual Aug 2016	Forecast Sep 2016	Forecast Oct 2016	Forecast Nov 2016	Forecast Dec 2016	Total
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ 958,369	\$ 2,467,107	\$ -	\$ -	\$ -	\$ 2,000,000	\$ 466,811	\$ -	\$ 5,892,287
Category B Projects - R&D and HE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 719,072	\$ 184,805	\$ 82,985	\$ 1,179,907	\$ 2,592,225	\$ 231,727	\$ 4,990,721
Other Legis Mandates	\$ 117,445	\$ 75,577	\$ 12,657,689	\$ 317,250	\$ 172,290	\$ 91,203	\$ 553,415	\$ 630,941	\$ 553,179	\$ 725,231	\$ 153,020	\$ 334,413	\$ 16,381,653
REPI	\$ 260,510	\$ 179,730	\$ 284,069	\$ 1,173,869	\$ 151,795	\$ 168,467	\$ 93,219	\$ 149,818	\$ 104,883	\$ 104,883	\$ 104,883	\$ 104,883	\$ 2,881,009
Total Project Costs	\$ 377,954	\$ 255,306	\$ 12,941,758	\$ 1,491,119	\$ 1,282,454	\$ 2,726,777	\$ 1,365,706	\$ 965,564	\$ 741,047	\$ 4,010,022	\$ 3,316,940	\$ 671,024	\$ 30,145,670
Total Admin Costs	\$ 233	\$ 10	\$ -	\$ 71	\$ -	\$ 9	\$ 5,008	\$ 16,118	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500	\$ 27,949
Total RDF Expense	\$ 378,187	\$ 255,316	\$ 12,941,758	\$ 1,491,190	\$ 1,282,454	\$ 2,726,786	\$ 1,370,714	\$ 981,682	\$ 744,047	\$ 4,012,022	\$ 3,317,940	\$ 671,524	\$ 30,173,618

MN State Sales Allocator	83.3831%	83.1836%	83.2213%	83.3226%	84.0138%	84.5996%	84.7866%	84.7385%	84.2590%	83.9782%	83.5485%	83.2973%	
MN Administrative Cost Allocator	91.8850%	91.7876%	91.8060%	91.8555%	92.1930%	92.4791%	92.5704%	92.5470%	92.3128%	92.1757%	91.9658%	91.8431%	

2016 RDF Rider Recovery

Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ 805,162	\$ 2,087,163	\$ -	\$ -	\$ -	\$ 1,679,564	\$ 390,014	\$ -	\$ 4,961,902
Category B Projects - R&D and HE	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 719,072	\$ 184,805	\$ 82,985	\$ 1,179,907	\$ 2,592,225	\$ 231,727	\$ 4,990,721
Other Legis Mandates	\$ 117,445	\$ 75,577	\$ 12,657,689	\$ 317,250	\$ 172,290	\$ 91,203	\$ 553,415	\$ 630,941	\$ 553,179	\$ 725,231	\$ 153,020	\$ 334,413	\$ 16,381,653
REPI	\$ 260,510	\$ 179,730	\$ 284,069	\$ 1,173,869	\$ 151,795	\$ 168,467	\$ 93,219	\$ 149,818	\$ 104,883	\$ 104,883	\$ 104,883	\$ 104,883	\$ 2,881,009
Administrative Costs (1)	\$ 214	\$ 9	\$ -	\$ 65	\$ -	\$ 8	\$ 4,636	\$ 14,917	\$ 2,769	\$ 1,844	\$ 920	\$ 459	\$ 25,841
Interdepartmental Revenue Refund	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (3,243)	\$ (38,917)
Expense Recovery	\$ 374,925	\$ 252,072	\$ 12,938,515	\$ 1,487,941	\$ 1,126,004	\$ 2,343,597	\$ 1,367,099	\$ 977,237	\$ 740,574	\$ 3,688,186	\$ 3,237,819	\$ 668,240	\$ 29,202,209

Total 2016 RDF Expense Recovery	\$ 29,202,209
2015 True-up Amount to be Included in the Calculation of the 2016 RDF Rider	\$ 5,279,012
Total Amount to be Recovered Through the 2016 Rider	\$ 34,481,221

2016 RDF Rider Calculation

	Actual Jan 2016	Actual Feb 2016	Actual Mar 2016	Actual Apr 2016	Actual May 2016	Actual Jun 2016	Actual Jul 2016	Actual Aug 2016	Forecast Sep 2016	Forecast Oct 2016	Forecast Nov 2016	Forecast Dec 2016	Total
2016 MN Calendar Month kWh Sales	2,567,047,939	2,338,417,523	2,372,681,163	2,162,456,039	2,378,548,446	2,662,416,984	3,013,277,598	3,039,932,590	2,535,376,629	2,444,688,733	2,405,113,270	2,539,342,340	30,459,299,252
2016 Minnesota RDF Rider Factor													\$ 0.000902

2016 RDF Tracker Calculation

	Actual Jan 2016	Actual Feb 2016	Actual Mar 2016	Actual Apr 2016	Actual May 2016	Actual Jun 2016	Actual Jul 2016	Actual Aug 2016	Forecast Sep 2016	Forecast Oct 2016	Forecast Nov 2016	Forecast Dec 2016	Total
Previous Year True-Up	\$ 5,279,012												\$ 5,279,012
Actual Expenses	\$ 374,925	\$ 252,072	\$ 12,938,515	\$ 1,487,941	\$ 1,126,004	\$ 2,343,597	\$ 1,367,099	\$ 977,237	\$ 740,574	\$ 3,688,186	\$ 3,237,819	\$ 668,240	\$ 29,202,209
Actual Retail Rider Revenues	\$ 1,782,805	\$ 2,188,972	\$ 2,283,198	\$ 1,938,612	\$ 2,051,232	\$ 2,307,596	\$ 2,481,639	\$ 2,869,958	\$ 2,286,627	\$ 2,204,837	\$ 2,169,144	\$ 2,290,204	\$ 26,854,821
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 3,871,132	\$ (1,936,900)	\$ 10,655,317	\$ (450,671)	\$ (925,228)	\$ 36,002	\$ (1,114,540)	\$ (1,892,720)	\$ (1,546,053)	\$ 1,483,350	\$ 1,068,675	\$ (1,621,964)	\$ 7,626,400

2016 RDF Rider True-Up	\$ 7,626,400
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See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
2017 Rider Calculation
 State of Minnesota Recovery

2017 RDF Expenses

	Forecast Jan 2017	Forecast Feb 2017	Forecast Mar 2017	Forecast Apr 2017	Forecast May 2017	Forecast Jun 2017	Forecast Jul 2017	Forecast Aug 2017	Forecast Sep 2017	Forecast Oct 2017	Forecast Nov 2017	Forecast Dec 2017	Total
Category A Projects - EP	\$ 58,351	\$ 55,575	\$ 58,351	\$ -	\$ -	\$ 55,575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	227,852
Category B Projects - R&D and HE	\$ 290,375	\$ 179,908	\$ -	\$ 461,468	\$ 2,606,707	\$ 27,574	\$ -	\$ 71,686	\$ 1,359,729	\$ 1,192,386	\$ 133,385	\$ -	6,323,218
Other Legis Mandates	\$ 161,304	\$ 12,159,046	\$ 456,468	\$ 317,540	\$ 158,494	\$ 92,760	\$ 519,875	\$ 718,866	\$ 490,745	\$ 307,964	\$ 125,950	\$ 267,636	15,776,647
REPI	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	1,211,168
Total Project Costs	\$ 610,960	\$ 12,495,460	\$ 615,750	\$ 879,938	\$ 2,866,132	\$ 276,839	\$ 620,806	\$ 891,483	\$ 1,951,404	\$ 1,601,281	\$ 360,266	\$ 368,567	23,538,885
Total Admin Costs	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000	\$ 12,800	\$ 20,000	\$ 2,000	\$ 80,000	\$ 500	126,300
Total RDF Expense	\$ 611,960	\$ 12,496,460	\$ 616,750	\$ 880,938	\$ 2,867,132	\$ 277,839	\$ 625,806	\$ 904,283	\$ 1,971,404	\$ 1,603,281	\$ 440,266	\$ 369,067	\$ 23,665,185

MN State Sales Allocator	83.3978%	83.4845%	83.0826%	83.3608%	83.9222%	84.0943%	84.6406%	84.2388%	84.1471%	83.8986%	83.2242%	83.1318%
MN Administrative Cost Allocator	91.8922%	91.9346%	91.7383%	91.8741%	92.1483%	92.2324%	92.4991%	92.3029%	92.2581%	92.1368%	91.8074%	91.7623%

2017 RDF Rider Recovery

Category A Projects - EP	\$ 48,663	\$ 46,397	\$ 48,480	\$ -	\$ -	\$ 46,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	190,275
Category B Projects - R&D and HE	\$ 290,375	\$ 179,908	\$ -	\$ 461,468	\$ 2,606,707	\$ 27,574	\$ -	\$ 71,686	\$ 1,359,729	\$ 1,192,386	\$ 133,385	\$ -	6,323,218
Other Legis Mandates	\$ 161,304	\$ 12,159,046	\$ 456,468	\$ 317,540	\$ 158,494	\$ 92,760	\$ 519,875	\$ 718,866	\$ 490,745	\$ 307,964	\$ 125,950	\$ 267,636	15,776,647
REPI	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	1,211,168
Administrative Costs (1)	\$ 919	\$ 919	\$ 917	\$ 919	\$ 921	\$ 922	\$ 4,625	\$ 11,815	\$ 18,452	\$ 1,843	\$ 73,446	\$ 459	116,157
Expense Recovery	\$ 602,192	\$ 12,487,200	\$ 606,796	\$ 880,857	\$ 2,867,053	\$ 268,922	\$ 625,431	\$ 903,297	\$ 1,969,856	\$ 1,603,123	\$ 433,712	\$ 369,026	\$ 23,617,465

Total 2017 RDF Expense Recovery	\$ 23,617,465
2016 True-up Amount to be Included in the Calculation of the 2017 RDF Rider	\$ 7,626,400
Total Amount to be Recovered Through the 2017 Rider	\$ 31,243,865

2017 RDF Rider Calculation

	Forecast Jan 2017	Forecast Feb 2017	Forecast Mar 2017	Forecast Apr 2017	Forecast May 2017	Forecast Jun 2017	Forecast Jul 2017	Forecast Aug 2017	Forecast Sep 2017	Forecast Oct 2017	Forecast Nov 2017	Forecast Dec 2017	Total
2017 MN Calendar Month kWh Sales	2,589,518,506	2,333,161,683	2,410,440,626	2,196,397,692	2,356,839,083	2,602,206,830	2,962,697,197	2,894,129,955	2,527,017,660	2,445,429,509	2,376,724,282	2,514,168,013	30,208,731,036
2017 Minnesota RDF Rider Factor												\$ 0.001034	

2017 RDF Tracker Calculation

	Forecast Jan 2017	Forecast Feb 2017	Forecast Mar 2017	Forecast Apr 2017	Forecast May 2017	Forecast Jun 2017	Forecast Jul 2017	Forecast Aug 2017	Forecast Sep 2017	Forecast Oct 2017	Forecast Nov 2017	Forecast Dec 2017	Total
Previous Year True-Up	\$ 7,626,400												\$ 7,626,400
Actual Expenses	\$ 602,192	\$ 12,487,200	\$ 606,796	\$ 880,857	\$ 2,867,053	\$ 268,922	\$ 625,431	\$ 903,297	\$ 1,969,856	\$ 1,603,123	\$ 433,712	\$ 369,026	\$ 23,617,465
Actual Retail Rider Revenues	\$ 2,678,251	\$ 2,413,110	\$ 2,493,037	\$ 2,271,660	\$ 2,437,599	\$ 2,691,374	\$ 3,064,217	\$ 2,993,300	\$ 2,613,609	\$ 2,529,225	\$ 2,458,165	\$ 2,600,319	\$ 31,243,865
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 5,550,341	\$ 10,074,091	\$ (1,886,241)	\$ (1,390,803)	\$ 429,455	\$ (2,422,452)	\$ (2,438,787)	\$ (2,090,003)	\$ (643,753)	\$ (926,101)	\$ (2,024,454)	\$ (2,231,293)	\$ -

2017 RDF Rider True-Up **\$ -**

RENEWABLE DEVELOPMENT FUND

2018 Rider Calculation

State of Minnesota Recovery

2018 RDF Expenses

	Forecast Jan 2018	Forecast Feb 2018	Forecast Mar 2018	Forecast Apr 2018	Forecast May 2018	Forecast Jun 2018	Forecast Jul 2018	Forecast Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
Category A Projects - EP	\$ -	\$ 1,850,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,850,000
Category B Projects - R&D and HE	\$ 45,146	\$ 118,506	\$ 192,442	\$ -	\$ 1,212,135	\$ -	\$ 58,629	\$ 86,775	\$ 828,017	\$ 48,257	\$ 27,260	\$ -	\$ 2,617,167
Other Legis Mandates	\$ 308,259	\$ 12,242,379	\$ 535,668	\$ 368,525	\$ 180,245	\$ 169,211	\$ 603,208	\$ 490,032	\$ 418,301	\$ 366,755	\$ 209,283	\$ 350,969	\$ 16,242,836
REPI	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 605,426
Total Project Costs	\$ 403,857	\$ 14,261,337	\$ 778,562	\$ 418,977	\$ 1,442,832	\$ 219,663	\$ 712,289	\$ 627,260	\$ 1,296,770	\$ 465,464	\$ 286,996	\$ 401,422	\$ 21,315,429
Total Admin Costs	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000	\$ 12,800	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500	\$ 30,300
Total RDF Expense	\$ 404,857	\$ 14,262,337	\$ 779,562	\$ 419,977	\$ 1,443,832	\$ 220,663	\$ 717,289	\$ 640,060	\$ 1,299,770	\$ 467,464	\$ 287,996	\$ 401,922	\$ 21,345,729

MN State Sales Allocator	83.2810%	83.2356%	82.9125%	83.1817%	83.7438%	83.8963%	84.6164%	84.1344%	84.1324%	83.9434%	83.2760%	83.1232%
MN Administrative Cost Allocator	91.8352%	91.8130%	91.6552%	91.7867%	92.0612%	92.1357%	92.4873%	92.2519%	92.2510%	92.1587%	91.8327%	91.7581%

2018 RDF Rider Recovery

	Forecast Jan 2018	Forecast Feb 2018	Forecast Mar 2018	Forecast Apr 2018	Forecast May 2018	Forecast Jun 2018	Forecast Jul 2018	Forecast Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
Category A Projects - EP	\$ -	\$ 1,539,859	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,539,859
Category B Projects - R&D and HE	\$ 45,146	\$ 118,506	\$ 192,442	\$ -	\$ 1,212,135	\$ -	\$ 58,629	\$ 86,775	\$ 828,017	\$ 48,257	\$ 27,260	\$ -	\$ 2,617,167
Other Legis Mandates	\$ 308,259	\$ 12,242,379	\$ 535,668	\$ 368,525	\$ 180,245	\$ 169,211	\$ 603,208	\$ 490,032	\$ 418,301	\$ 366,755	\$ 209,283	\$ 350,969	\$ 16,242,836
REPI	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 605,426
Administrative Costs (1)	\$ 918	\$ 918	\$ 917	\$ 918	\$ 921	\$ 921	\$ 4,624	\$ 11,808	\$ 2,768	\$ 1,843	\$ 918	\$ 459	\$ 27,933
Expense Recovery	\$ 404,775	\$ 13,952,114	\$ 779,478	\$ 419,895	\$ 1,443,752	\$ 220,585	\$ 716,914	\$ 639,068	\$ 1,299,538	\$ 467,308	\$ 287,914	\$ 401,880	\$ 21,033,221

Total 2018 RDF Expense Recovery	\$ 21,033,221
2017 True-up Amount to be Included in the Calculation of the 2018 RDF Rider	\$ -
Total Amount to be Recovered Through the 2018 Rider	\$ 21,033,221

2018 RDF Rider Calculation

	Forecast Jan 2018	Forecast Feb 2018	Forecast Mar 2018	Forecast Apr 2018	Forecast May 2018	Forecast Jun 2018	Forecast Jul 2018	Forecast Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
2018 MN Calendar Month kWh Sale	2,567,013,576	2,299,785,073	2,388,998,286	2,182,231,876	2,335,708,539	2,567,837,548	2,959,272,038	2,885,775,622	2,521,060,778	2,444,709,581	2,393,056,360	2,523,282,196	30,068,731,475
2018 Minnesota RDF Rider Factor	\$ 0.000700												

2018 RDF Tracker Calculation

	Forecast Jan 2018	Forecast Feb 2018	Forecast Mar 2018	Forecast Apr 2018	Forecast May 2018	Forecast Jun 2018	Forecast Jul 2018	Forecast Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
Previous Year True-Up	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Actual Expenses	\$ 404,775	\$ 13,952,114	\$ 779,478	\$ 419,895	\$ 1,443,752	\$ 220,585	\$ 716,914	\$ 639,068	\$ 1,299,538	\$ 467,308	\$ 287,914	\$ 401,880	\$ 21,033,221
Actual Retail Rider Revenues	\$ 1,795,638	\$ 1,608,711	\$ 1,671,116	\$ 1,526,482	\$ 1,633,839	\$ 1,796,215	\$ 2,070,025	\$ 2,018,614	\$ 1,763,494	\$ 1,710,086	\$ 1,673,954	\$ 1,765,048	\$ 21,033,221
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ (1,390,863)	\$ 12,343,404	\$ (891,637)	\$ (1,106,587)	\$ (190,087)	\$ (1,575,630)	\$ (1,353,111)	\$ (1,379,546)	\$ (463,956)	\$ (1,242,778)	\$ (1,386,040)	\$ (1,363,168)	\$ -

2018 RDF Rider True-Up	\$ -
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RENEWABLE DEVELOPMENT FUND
Annual Compliance Report

Work Order	Contract Number	Project Status	Contract Awardee	Project	Amount Awarded	Amount Dispersed through August 2016	Forecast of Future Payments			Total Disbursement (Actual + Forecast)	Difference Between Award and Forecast
							September to December 2016	2017	2018		
Cycle 1 Projects											
Category A											
10184513	AB07	Complete	AnAerobics, Inc	Waste to Methane	\$ 1,300,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 1,100,000	\$ (200,000)
10184517	AH01	Ongoing	Crown Hydro, LLC	Hydro Development Project	\$ 5,100,000	\$ 1,538,591	\$ -	\$ -	\$ -	\$ 1,538,591	\$ (3,561,409)
10184529	AS05	Complete	Minnesota Department of Commerce	Solar Rebate	\$ 1,150,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ 1,150,000	\$ -
10184532	AS06	Complete	Science Museum of Minnesota	Solar Roof	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ 100,000	\$ -
10184533	AW03	Complete	Project Resources Corporation	Prototype Wind Turbine Installations	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ 900,000	\$ -
10184535	AW10	Complete	Pipestone-Jasper School System	Wind Turbine	\$ 752,835	\$ 752,835	\$ -	\$ -	\$ -	\$ 752,835	\$ -
Subtotal Category A (EP Projects)					\$ 9,302,835	\$ 5,541,426	\$ -	\$ -	\$ -	\$ 5,541,426	\$ (3,761,409)
Category B/C (Research and Development Projects)											
10184536	BB03	Complete	Sebesta Blomberg & Associates, Inc	Ethanol Plant	\$ 738,654	\$ 738,645	\$ -	\$ -	\$ -	\$ 738,645	\$ (9)
10184539	BB06	Complete	Energy Performance Systems, Inc	MN Valley Conversion	\$ 266,508	\$ 257,247	\$ -	\$ -	\$ -	\$ 257,247	\$ (9,261)
10184542	BB09	Complete	U of ND Energy & Environ Research C	Co Firing	\$ 444,478	\$ 444,443	\$ -	\$ -	\$ -	\$ 444,443	\$ (35)
10184548	BB10	Complete	NREL (MagStar Tech & Comm Pwr Co	Centrifugal Filter	\$ 638,635	\$ 548,692	\$ -	\$ -	\$ -	\$ 548,692	\$ (89,943)
10184557	BB12	Complete	U of ND Energy & Environ Research C	Biomass Impact on SCR	\$ 60,000	\$ 59,981	\$ -	\$ -	\$ -	\$ 59,981	\$ (19)
10184560	BW06	Complete	D.H. Blattner & Sons, Inc	Self Erecting Wind Turbine	\$ 68,470	\$ 62,346	\$ -	\$ -	\$ -	\$ 62,346	\$ (6,124)
10184564	CB07	Complete	Colorado School of Mines	Catalysts for proton membrane fuel cell	\$ 1,116,742	\$ 1,116,742	\$ -	\$ -	\$ -	\$ 1,116,742	\$ -
10184566	CB08	Complete	U of ND Energy & Environ Research C	SOFC Gasification System	\$ 1,250,142	\$ 1,250,056	\$ -	\$ -	\$ -	\$ 1,250,056	\$ (86)
10184570	CS05	Complete	NREL	Titania Solar Cell	\$ 934,628	\$ 924,757	\$ -	\$ -	\$ -	\$ 924,757	\$ (9,871)
10184573	CW02	Complete	Global Energy Concepts, LLC	Wind Turbine Control Models	\$ 75,000	\$ 73,239	\$ -	\$ -	\$ -	\$ 73,239	\$ (1,761)
10184576	CW06	Complete	U of MN, Dept of Electrical Engineering	Inertial Storage	\$ 654,309	\$ 654,309	\$ -	\$ -	\$ -	\$ 654,309	\$ -
Subtotal Category B/C					\$ 6,247,566	\$ 6,130,458	\$ -	\$ -	\$ -	\$ 6,130,458	\$ (117,108)
TOTAL Cycle 1 Projects					\$ 15,550,401	\$ 11,671,884	\$ -	\$ -	\$ -	\$ 11,671,884	\$ (3,878,517)
TOTAL Cycle 2 Projects					\$ 19,440,996	\$ 17,369,558	\$ -	\$ -	\$ -	\$ 17,369,558	\$ (2,071,438)
TOTAL Cycle 3 Projects					\$ 22,510,293	\$ 22,063,889	\$ -	\$ -	\$ -	\$ 22,063,889	\$ (446,404)
TOTAL Cycle 4 Projects					\$ 40,704,158	\$ 6,401,566	\$ 6,553,655	\$ 6,551,070	\$ 4,467,167	\$ 23,973,458	\$ (16,730,700)

RENEWABLE DEVELOPMENT FUND
Annual Compliance Report

Work Order	Contract Number	Project Status	Contract Awardee	Project	Amount Awarded	Amount Dispersed through August 2016	Forecast of Future Payments			Total Disbursement (Actual + Forecast)	Difference Between Award and Forecast
							September to December 2016	2017	2018		
Other Legislative Mandates											
10349848	U of M (2)	Complete	U of M, IREE	Hydrogen Research	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ 10,000,000	\$ -
10736059	Excelsior (4)	Complete	Excelsior Energy	Innovative Energy Project	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ 10,000,000	\$ (0)
10707553	AURI (5)	Complete	AURI	BioFuel Projects	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ 150,000	\$ -
10691805	PCA REPI Pay (6)	Complete	PCA REPI Payment	PCA REPI Payment	\$ (4,000,000)	\$ (4,000,000)	\$ -	\$ -	\$ -	\$ (4,000,000)	\$ -
11000275	Next Gen Incent (7)	Complete	Next Gen Incentives	Next Gen Incentives	\$ 15,250,000	\$ 15,250,011	\$ -	\$ -	\$ -	\$ 15,250,011	\$ 11
11255981	DER Program Support (9)	Complete	DER Program Support	DER Program Support	\$ 1,975,000	\$ 1,975,000	\$ -	\$ -	\$ -	\$ 1,975,000	\$ -
11262958	IREE Program Support (8)	Complete	IREE Program Support	IREE Program Support	\$ 15,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ 15,000,000	\$ -
11445577	Solar Rebates, MN Made (10)	Complete	Solar Program Incentives	Solar Program Incentives	\$ 21,000,000	\$ 14,258,247	\$ 1,511,490	\$ 2,503,351	\$ 1,969,540	\$ 20,242,628	\$ (757,372)
11927339	DOC Solar Incentive Program (11)	Ongoing	DOC Solar Incentive Program	Solar Program Incentives	\$ 120,000,000	\$ 36,109,263	\$ -	\$ 12,073,296	\$ 12,073,296	\$ 60,255,855	\$ (59,744,145)
11965275	Solar Rewards (12)	Ongoing	Solar Rewards	Solar Program Incentives	\$ 25,000,000	\$ 353,035	\$ 254,354	\$ 1,200,000	\$ 2,200,000	\$ 4,007,389	\$ (20,992,611)
Total Legislative Mandates					\$ 214,375,000	\$ 99,095,555	\$ 1,765,844	\$ 15,776,647	\$ 16,242,836	\$ 132,880,883	\$ (81,494,117)
DOC State Incentive Support (3)											
REPI	Wind	Ongoing	Wind	\$4.5 M for 2003 - 2005 and \$9.4 for 2006 - 200	\$ 51,100,000	\$ 56,023,826	\$ 67,490	\$ 157,924	\$ -	\$ 56,249,240	\$ 5,149,240
REPI	Biogas & Hydro	Ongoing	Biogas & Hydro	\$1.5 M for 2003 - 2009	\$ 10,500,000	\$ 4,743,257	\$ 352,043	\$ 1,053,244	\$ 605,426	\$ 6,753,970	\$ (3,746,030)
REPI	Wind-1st 100	Ongoing	REPI Governor's Budget 1st 100 MW		\$ -	\$ 29,493,629	\$ -	\$ -	\$ -	\$ 29,493,629	\$ 29,493,629
Total Renewable Energy Production Incent.					\$ 61,600,000	\$ 90,260,713	\$ 419,534	\$ 1,211,168	\$ 605,426	\$ 92,496,839	\$ 30,896,839
TOTAL All Legislative Mandates					\$ 275,975,000	\$ 189,356,268	\$ 2,185,377	\$ 16,987,815	\$ 16,848,262	\$ 225,377,722	\$ (50,597,278)
ADMINISTRATIVE COSTS											
Cycle 1 Administrative Work Orders (1)											
10182282	Contract Admin.				\$ -	\$ 36,105	\$ -	\$ -	\$ -	\$ 36,105	\$ 36,105
10184439	RFP Process Costs				\$ -	\$ 27,028	\$ -	\$ -	\$ -	\$ 27,028	\$ 27,028
10184487	Negotiation Costs				\$ 114,650	\$ 80,026	\$ -	\$ -	\$ -	\$ 80,026	\$ (34,624)
TOTAL Cycle 1 Admin Costs					\$ 114,650	\$ 143,160	\$ -	\$ -	\$ -	\$ 143,160	\$ 28,510
Cycle 2 Administrative Work Orders (1)											
10248981	Contract Admin.				\$ -	\$ 273,688	\$ -	\$ -	\$ -	\$ 273,688	\$ 273,688
10248983	RFP Process Costs				\$ -	\$ 429,173	\$ -	\$ -	\$ -	\$ 429,173	\$ 429,173
10248982	Negotiation Costs				\$ -	\$ 23,185	\$ -	\$ -	\$ -	\$ 23,185	\$ 23,185
TOTAL Cycle 2 Admin Costs					\$ -	\$ 726,046	\$ -	\$ -	\$ -	\$ 726,046	\$ 726,046
Cycle 3 Administrative Work Orders (1)											
10942097	Contract Admin.				\$ -	\$ 219,632	\$ -	\$ -	\$ -	\$ 219,632	\$ 219,632
10942105	RFP Process Costs				\$ -	\$ 159,938	\$ -	\$ -	\$ -	\$ 159,938	\$ 159,938
10942103	Negotiation Costs				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 3 Admin Costs					\$ -	\$ 379,570	\$ -	\$ -	\$ -	\$ 379,570	\$ 379,570
Cycle 4 Administrative Work Orders (1)											
11742217	Contract Admin.				\$ -	\$ 146,400	\$ 6,500	\$ 126,300	\$ 30,300	\$ 309,500	\$ 309,500
TOTAL Cycle 4 Admin Costs					\$ -	\$ 146,400	\$ 6,500	\$ 126,300	\$ 30,300	\$ 309,500	\$ 309,500
TOTAL Admin Costs					\$ 114,650	\$ 1,395,176	\$ 6,500	\$ 126,300	\$ 30,300	\$ 1,558,276	\$ 1,443,626
TOTAL ALL RDF					\$ 374,295,498	\$ 248,258,340	\$ 8,745,533	\$ 23,665,185	\$ 21,345,729	\$ 302,014,786	\$ (72,280,712)

See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
 Annual Compliance Report
 Actuals through August 2016
 Forecast through December 2018

Work Order	Contract Number	Project Status	Total Amount Awarded	Actual Through Dec 2015	Actual Jan 2016	Actual Feb 2016	Actual Mar 2016	Actual Apr 2016	Actual May 2016	Actual Jun 2016	Actual Jul 2016	Actual Aug 2016	Forecast Sep 2016	Forecast Oct 2016	Forecast Nov 2016	Forecast Dec 2016
Cycle 1 Projects																
Category A																
10184513	AB07	Complet	\$ 1,300,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184517	AH01	Ongoing	\$ 5,100,000	\$ 1,538,591	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184529	AS05	Complet	\$ 1,150,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184532	AS06	Complet	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184533	AW03	Complet	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184535	AW10	Complet	\$ 752,835	\$ 752,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Category A			\$ 9,302,835	\$ 5,541,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Category B/C																
10184536	BB03	Complet	\$ 738,654	\$ 738,645	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184539	BB06	Complet	\$ 266,508	\$ 257,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184542	BB09	Complet	\$ 444,478	\$ 444,443	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184548	BB10	Complet	\$ 638,633	\$ 548,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184557	BB12	Complet	\$ 60,000	\$ 59,981	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184560	BW06	Complet	\$ 68,470	\$ 62,346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184564	CB07	Complet	\$ 1,116,742	\$ 1,116,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184566	CB08	Complet	\$ 1,250,142	\$ 1,250,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184570	CS05	Complet	\$ 934,628	\$ 924,757	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184573	CW02	Complet	\$ 75,000	\$ 73,209	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184576	CW06	Complet	\$ 654,409	\$ 654,409	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Category B/C			\$ 6,247,566	\$ 6,130,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 1 Projects			\$ 15,550,401	\$ 11,671,884	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Legislative Mandates																
10349848	U of M (2)	Complet	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10736059	Excelsior (4)	Complet	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10707553	AURI (3)	Complet	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10691805	PCA REPI Pay (6)	Complet	\$ 4,000,000	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11000275	Next Gen Incent (7)	Complet	\$ 15,250,000	\$ 15,250,011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11255981	DER Program Support (7)	Complet	\$ 1,975,000	\$ 1,975,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11262958	IREE Program Support (8)	Complet	\$ 15,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11445577	Solar Rebates, MN Made (10)	Complet	\$ 21,000,000	\$ 11,946,522	\$ 11,706	\$ 45,392	\$ 574,197	\$ 303,160	\$ 153,122	\$ 77,396	\$ 537,278	\$ 619,473	\$ 491,514	\$ 664,619	\$ 83,501	\$ 271,856
11923339	DOC Solar Incentive Program (11)	Ongoing	\$ 120,000,000	\$ 24,035,907	\$ -	\$ -	\$ 12,073,296	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11965275	Solar Rewards (12)	Ongoing	\$ 25,000,000	\$ 122,246	\$ 105,739	\$ 30,185	\$ 10,196	\$ 14,090	\$ 19,168	\$ 13,807	\$ 26,137	\$ 11,468	\$ 61,665	\$ 60,612	\$ 69,519	\$ 62,537
Total Legislative Mandates			\$ 214,375,000	\$ 84,479,746	\$ 117,445	\$ 75,577	\$ 12,657,689	\$ 317,250	\$ 172,290	\$ 91,203	\$ 553,415	\$ 630,941	\$ 553,179	\$ 725,231	\$ 153,020	\$ 334,413
DOC State Incentive Support (3)																
REPI	Wind	Ongoing	\$ 51,100,000	\$ 54,363,452	\$ 163,916	\$ 155,656	\$ 114,276	\$ 1,124,234	\$ 48,752	\$ 19,375	\$ 18,938	\$ 15,227	\$ 16,873	\$ 16,873	\$ 16,873	\$ 16,873
REPI	Biogas & Hydro	Ongoing	\$ 10,500,000	\$ 3,942,156	\$ 96,593	\$ 24,073	\$ 168,793	\$ 49,634	\$ 103,043	\$ 149,092	\$ 74,280	\$ 134,591	\$ 88,011	\$ 88,011	\$ 88,011	\$ 88,011
REPI	1st Wind	Ongoing	\$ -	\$ 29,493,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total REPI			\$ 61,600,000	\$ 87,799,238	\$ 260,510	\$ 179,730	\$ 284,069	\$ 1,173,869	\$ 151,795	\$ 168,467	\$ 93,219	\$ 149,818	\$ 104,883	\$ 104,883	\$ 104,883	\$ 104,883
TOTAL Other Legislative Mandates			\$ 275,975,000	\$ 172,278,984	\$ 377,954	\$ 265,306	\$ 12,941,758	\$ 1,491,119	\$ 324,085	\$ 259,670	\$ 646,634	\$ 780,759	\$ 658,062	\$ 830,115	\$ 257,904	\$ 439,297
ADMINISTRATIVE COSTS																
Cycle 1 Administrative Work Orders (1)																
10182282			\$ -	\$ 36,105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184439			\$ -	\$ 27,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184487			\$ 114,650	\$ 80,026	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 1 Admin Costs			\$ 114,650	\$ 143,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 2 Administrative Work Orders (1)																
10248981			\$ -	\$ 273,688	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10248983			\$ -	\$ 428,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10248982			\$ -	\$ 23,183	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 2 Admin Costs			\$ -	\$ 726,046	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 3 Administrative Work Orders (1)																
10942097			\$ -	\$ 219,632	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10942105			\$ -	\$ 159,938	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10942103			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 3 Admin Costs			\$ -	\$ 379,570	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 4 Administrative Work Orders (1)																
11742217			\$ -	\$ 124,951	\$ 233	\$ 10	\$ -	\$ 71	\$ -	\$ 9	\$ 5,008	\$ 16,118	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500
TOTAL Cycle 4 Admin Costs			\$ -	\$ 124,951	\$ 233	\$ 10	\$ -	\$ 71	\$ -	\$ 9	\$ 5,008	\$ 16,118	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500
Added Admin Costs and Future Funding Cycles			\$ -	\$ 883,648	\$ -	\$ 1	\$ 2	\$ 3	\$ 4	\$ 5	\$ 6	\$ 7	\$ -	\$ -	\$ -	\$ -
TOTAL Fund Administration			\$ 114,650	\$ 2,257,375	\$ 233	\$ 11	\$ 2	\$ 74	\$ 4	\$ 14	\$ 5,014	\$ 16,125	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500

See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
 Annual Compliance Report
 Actuals through August 2016
 Forecast through December 2018

Work Order	Contract Number	Project Status	Forecast Jan 2017	Forecast Feb 2017	Forecast Mar 2017	Forecast Apr 2017	Forecast May 2017	Forecast Jun 2017	Forecast Jul 2017	Forecast Aug 2017	Forecast Sep 2017	Forecast Oct 2017	Forecast Nov 2017	Forecast Dec 2017	Forecast Jan 2018	Forecast Feb 2018	Forecast Mar 2018	Forecast Apr 2018	Forecast May 2018	Forecast Jun 2018	Forecast Jul 2018
Cycle 1 Projects																					
Category A																					
10184513	AB07	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184517	AH01	Ongoing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184529	AS05	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184532	AS06	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184533	AW03	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184535	AW10	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Category A			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Category B/C																					
10184536	BB03	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184539	BB06	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184542	BB09	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184548	BB10	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184557	BB12	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184560	BW06	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184564	CB07	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184566	CB08	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184570	CS05	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184573	CW02	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184576	CW06	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Category B/C			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 1 Projects			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Legislative Mandates																					
10349848	U of M (2)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10736050	Executive (4)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10707553	AURI (5)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10691805	PCA REPI Pay (6)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11000275	Next Gen Incent (7)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11255981	DER Program Support (8)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11320958	IRBE Program Support (9)	Complete	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11445577	Solar Rebates, MN Nide (10)	Complete	\$ -	\$ -	\$ 390,708	\$ 247,885	\$ 83,762	\$ 23,388	\$ 438,173	\$ 603,753	\$ 373,515	\$ 191,787	\$ 866	\$ 149,514	\$ 63,622	\$ 12,073,296	\$ 386,574	\$ 215,537	\$ 22,179	\$ 16,506	\$ 438,173
11927339	DOC Solar Incentive Program (11)	Ongoing	\$ -	\$ 12,073,296	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11965275	Solar Rewards (12)	Ongoing	\$ 161,304	\$ 85,750	\$ 65,760	\$ 69,655	\$ 74,732	\$ 69,372	\$ 81,702	\$ 115,113	\$ 117,230	\$ 116,177	\$ 125,084	\$ 118,122	\$ 244,637	\$ 169,083	\$ 149,024	\$ 152,088	\$ 158,066	\$ 152,705	\$ 165,035
Total Legislative Mandates			\$ 161,304	\$ 12,159,046	\$ 456,468	\$ 317,540	\$ 158,494	\$ 92,760	\$ 519,875	\$ 718,866	\$ 490,745	\$ 307,964	\$ 125,950	\$ 267,636	\$ 308,259	\$ 12,242,379	\$ 535,668	\$ 368,525	\$ 180,245	\$ 169,211	\$ 603,208
DOC State Incentive Support (3)																					
REPI	Wind	Ongoing	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160	\$ 13,160
REPI	Biogas & Hydro	Ongoing	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770	\$ 87,770
REPI	1st Wind	Ongoing	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total REPI			\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931	\$ 100,931
Total Other Legislative Mandates			\$ 262,234	\$ 12,259,977	\$ 557,399	\$ 418,470	\$ 259,425	\$ 193,690	\$ 620,806	\$ 819,797	\$ 591,675	\$ 408,895	\$ 226,881	\$ 368,567	\$ 358,711	\$ 12,292,831	\$ 586,120	\$ 418,977	\$ 230,697	\$ 219,643	\$ 653,660
ADMINISTRATIVE COSTS																					
Cycle 1 Administrative Work Orders (1)																					
10182282			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184439			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184487			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 1 Admin Costs			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 2 Administrative Work Orders (1)																					
10248981			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10248983			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10248982			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 2 Admin Costs			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 3 Administrative Work Orders (1)																					
10942097			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10942105			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10942103			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 3 Admin Costs			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 4 Administrative Work Orders (1)																					
11742217			\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000	\$ 12,800	\$ 20,000	\$ 2,000	\$ 80,000	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
TOTAL Cycle 4 Admin Costs			\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000	\$ 12,800	\$ 20,000	\$ 2,000	\$ 80,000	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000
Added Admin Costs and Future Funding Cycles			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Fund Administration			\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 5,000	\$ 12,800	\$ 20,000	\$ 2,000	\$ 80,000	\$ 500	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000

See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
 Annual Compliance Report
 Actuals through August 2016
 Forecast through December 2018

Work Order	Contract Number	Project Status	Forecast Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Project Totals
Cycle 1 Projects								
Category A								
10184513	AB07	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	1,100,000
10184517	AH01	Ongoing	\$ -	\$ -	\$ -	\$ -	\$ -	1,538,591
10184529	AS05	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	1,150,000
10184532	AS06	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	100,000
10184533	AW03	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	900,000
10184535	AW10	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	752,835
Subtotal Category A			\$ -	\$ -	\$ -	\$ -	\$ -	5,541,426
Category B/C								
10184536	BB03	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	738,645
10184539	BB06	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	257,247
10184542	BB09	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	444,443
10184548	BB10	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	548,692
10184557	BB12	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	59,981
10184560	BW06	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	62,346
10184564	CB07	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	1,116,742
10184566	CB08	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	1,250,056
10184570	CS05	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	924,757
10184573	CW02	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	73,239
10184576	CW06	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	654,309
Subtotal Category B/C			\$ -	\$ -	\$ -	\$ -	\$ -	6,130,458
TOTAL Cycle 1 Projects			\$ -	\$ -	\$ -	\$ -	\$ -	11,671,884
Other Legislative Mandates								
10349848	U of M (2)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	10,000,000
10736059	Excelsior (4)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	10,000,000
10707553	ALRI (5)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	150,000
10091805	PCA REPI Pay (6)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	(4,000,000)
11000275	Next Gen Incent (7)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	15,250,011
11255981	DER Program Support (8)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	1,975,000
11262958	IREP Program Support (9)	Complet	\$ -	\$ -	\$ -	\$ -	\$ -	15,000,000
11445577	Solar Rebates, MN Made (10)	Complet	\$ 291,586	\$ 217,738	\$ 167,245	\$ 866	\$ 149,514	20,242,628
11927339	DOC Solar Incentive Program (11)	Ongoing	\$ -	\$ -	\$ -	\$ -	\$ -	60,255,855
11965275	Solar Rewards (12)	Ongoing	\$ 198,446	\$ 200,563	\$ 199,510	\$ 208,417	\$ 201,455	4,007,389
Total Legislative Mandates			\$ 490,032	\$ 418,301	\$ 366,755	\$ 209,283	\$ 350,969	132,880,883
DOC State Incentive Support (3)								
REPI	Wind	Ongoing	\$ -	\$ -	\$ -	\$ -	\$ -	56,249,240
REPI	Bio gas & Hydro	Ongoing	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	6,753,970
REPI	1st Wind	Ongoing	\$ -	\$ -	\$ -	\$ -	\$ -	29,493,629
Total REPI			\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	\$ 50,452	92,496,839
Total Other Legislative Mandates			\$ 540,485	\$ 468,753	\$ 417,207	\$ 259,736	\$ 401,422	225,377,722
ADMINISTRATIVE COSTS								
Cycle 1 Administrative Work Orders (1)								
10182292			\$ -	\$ -	\$ -	\$ -	\$ -	36,105
10184439			\$ -	\$ -	\$ -	\$ -	\$ -	27,028
10184487			\$ -	\$ -	\$ -	\$ -	\$ -	80,026
TOTAL Cycle 1 Admin Costs			\$ -	\$ -	\$ -	\$ -	\$ -	143,160
Cycle 2 Administrative Work Orders (1)								
10248981			\$ -	\$ -	\$ -	\$ -	\$ -	273,688
10248983			\$ -	\$ -	\$ -	\$ -	\$ -	429,173
10248982			\$ -	\$ -	\$ -	\$ -	\$ -	23,185
TOTAL Cycle 2 Admin Costs			\$ -	\$ -	\$ -	\$ -	\$ -	726,046
Cycle 3 Administrative Work Orders (1)								
10942097			\$ -	\$ -	\$ -	\$ -	\$ -	219,632
10942105			\$ -	\$ -	\$ -	\$ -	\$ -	159,938
10942103			\$ -	\$ -	\$ -	\$ -	\$ -	
TOTAL Cycle 3 Admin Costs			\$ -	\$ -	\$ -	\$ -	\$ -	379,570
Cycle 4 Administrative Work Orders (1)								
11742217			\$ 12,800	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500	309,500
TOTAL Cycle 4 Admin Costs			\$ 12,800	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500	309,500
Added Admin Costs and Future Funding Cycles			\$ -	\$ -	\$ -	\$ -	\$ -	883,676
TOTAL Fund Administration			\$ 12,800	\$ 3,000	\$ 2,000	\$ 1,000	\$ 500	2,441,952

See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report - Cycle 2 Projects

Actuals through August 2016

Forecast through December 2018

ALL CYCLE 2 PROJECTS COMPLETED - No Future Grant Payments

Project No.	Name	Total Amount Awarded	Actual Through Aug 2016	Forecast Sept-Dec 2016	Forecast 2017	Forecast 2018	Project Totals
EP-26	Hilltop Farm Cooperative	\$ 1,200,000	\$ 1,200,000	\$ -	\$ -	\$ -	1,200,000
EP-34	Lower St. Anthony Falls	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	2,000,000
EP-39	St. Olaf College	\$ 1,500,000	\$ 1,500,000	\$ -	\$ -	\$ -	1,500,000
EP-44	Biomass Cogen Demo	\$ 2,000,000	\$ 400,000	\$ -	\$ -	\$ -	400,000
EP-51	Diamond K and Greden	\$ 936,530	\$ 936,530	\$ -	\$ -	\$ -	936,530
	Total Energy Production	\$ 7,636,530	\$ 6,036,530	\$ -	\$ -	\$ -	6,036,530
RD-22	Energy Conversion Devices	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	900,000
RD-26	Coaltec Energy	\$ 450,000	\$ 450,000	\$ -	\$ -	\$ -	450,000
RD-27	Rural Advantage	\$ 318,800	\$ 318,800	\$ -	\$ -	\$ -	318,800
RD-29	U of M	\$ 299,284	\$ 299,284	\$ -	\$ -	\$ -	299,284
RD-34	University of Florida	\$ 999,995	\$ 996,874	\$ -	\$ -	\$ -	996,874
RD-38*	Gas Technology Institute	\$ 861,860	\$ 861,860	\$ -	\$ -	\$ -	861,860
RD-50	Energy Perf Systems	\$ 957,929	\$ 957,929	\$ -	\$ -	\$ -	957,929
RD-56	U of M	\$ 858,363	\$ 803,246	\$ -	\$ -	\$ -	803,246
RD-57	WindLogics	\$ 997,000	\$ 997,000	\$ -	\$ -	\$ -	997,000
RD-69	AURI	\$ 760,000	\$ 760,000	\$ -	\$ -	\$ -	760,000
RD-72	Production Specialties	\$ 228,735	\$ 228,735	\$ -	\$ -	\$ -	228,735
RD-78	Interphases Research	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	1,000,000
RD-87	Global Energy Concepts	\$ 370,000	\$ 370,000	\$ -	\$ -	\$ -	370,000
RD-93	NREL	\$ 1,000,000	\$ 949,005	\$ -	\$ -	\$ -	949,005
RD-94	Center for Energy and Env	\$ 397,500	\$ 397,500	\$ -	\$ -	\$ -	397,500
RD-107	NREL	\$ 1,000,000	\$ 944,452	\$ -	\$ -	\$ -	944,452
RD-110	Center for Sustainable Env-Iowa St Univ	\$ 405,000	\$ 98,343	\$ -	\$ -	\$ -	98,343
	Total Research & Dev.	\$ 11,804,466	\$ 11,333,028	\$ -	\$ -	\$ -	11,333,028
	Total Cycle 2 Projects	\$ 19,440,996	\$ 17,369,558	\$ -	\$ -	\$ -	17,369,558
EP-43	Excelsior Energy (4)	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	10,000,000
	Total Cycle 2 Projects Plus Excelsior	\$ 29,440,996	\$ 27,369,558	\$ -	\$ -	\$ -	27,369,558

See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
Annual Compliance Report - Cycle 3 Projects
Actuals through August 2016
Forecast through December 2018

Project No.	Name	Total Amount Awarded	Actual Through Aug 2016	Forecast Sept-Dec 2016	Forecast 2017	Forecast 2018	Project Totals
EP3-2	Merrick	\$ 735,000	\$ 735,000	\$ -	\$ -	\$ -	\$ 735,000
EP3-3	Best Power International	\$ 1,994,480	\$ 1,994,480	\$ -	\$ -	\$ -	\$ 1,994,480
EP3-10	Outland Renewable Energy	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
EP3-11	EyeOn Energy/Minneapolis	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
EP3-12	Freenerg	\$ 1,488,922	\$ 1,488,922	\$ -	\$ -	\$ -	\$ 1,488,922
EP3-13	Minnesota DNR	\$ 894,000	\$ 878,966	\$ -	\$ -	\$ -	\$ 878,966
Total Energy Production		\$ 9,112,402	\$ 9,097,368	\$ -	\$ -	\$ -	\$ 9,097,368
RD3-1	U of M (Koda Energy)	\$ 992,989	\$ 976,743	\$ -	\$ -	\$ -	\$ 976,743
RD3-2	SarTec Corporation	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000
RD3-4	Bepex International	\$ 924,671	\$ 924,671	\$ -	\$ -	\$ -	\$ 924,671
RD3-12	Xcel Energy	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000
RD3-21	Northern Planins Power	\$ 493,608	\$ 493,608	\$ -	\$ -	\$ -	\$ 493,608
RD3-23	U of M (Biomass)	\$ 819,159	\$ 729,717	\$ -	\$ -	\$ -	\$ 729,717
RD3-25	U of M (Nanocrystals)	\$ 732,032	\$ 732,032	\$ -	\$ -	\$ -	\$ 732,032
RD3-28	U of M (Cropping)	\$ 979,082	\$ 979,048	\$ -	\$ -	\$ -	\$ 979,048
RD3-42	U of M (Hydro)	\$ 999,999	\$ 999,598	\$ -	\$ -	\$ -	\$ 999,598
RD3-53	InterPhases Research	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000
RD3-58	West Central Telephone	\$ 137,000	\$ 137,000	\$ -	\$ -	\$ -	\$ 137,000
RD3-66	UND	\$ 999,065	\$ 998,697	\$ -	\$ -	\$ -	\$ 998,697
RD3-68	UND	\$ 970,558	\$ 970,480	\$ -	\$ -	\$ -	\$ 970,480
RD3-69	MVAP	\$ 1,000,000	\$ 825,490	\$ -	\$ -	\$ -	\$ 825,490
RD3-71	UND	\$ 999,728	\$ 999,438	\$ -	\$ -	\$ -	\$ 999,438
RD3-77	Coaltec	\$ 1,000,000	\$ 850,000	\$ -	\$ -	\$ -	\$ 850,000
Total Research & Dev.		\$ 13,397,891	\$ 12,966,521	\$ -	\$ -	\$ -	\$ 12,966,521
Board Pilot Investment (13)		\$ 5,000,000					
Total Cycle 3 Projects		\$ 27,510,293	\$ 22,063,889	\$ -	\$ -	\$ -	\$ 22,063,889

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report - Cycle 4 Project Payments Included in Rate Rider Calculation
 Actuals through August 2016
 Forecast through December 2018

Project No.	Name	Total Amount Awarded	Actual Through Aug 2016	Forecast Sep 2016	Forecast Oct 2016	Forecast Nov 2016	Forecast Dec 2016	Forecast Jan 2017	Forecast Feb 2017	Forecast Mar 2017	Forecast Apr 2017	Forecast May 2017	Forecast Jun 2017	Forecast Jul 2017	Forecast Aug 2017	Forecast Sep 2017	Forecast Oct 2017	Forecast Nov 2017	Forecast Dec 2017
EP4-5	Best Power Ind	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-6	Best Pwr-St. John's	\$ 172,213	\$ 172,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-11	Innovative Pwr Sys	\$ 1,850,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-13	Metro Airports Comm	\$ 2,022,507	\$ 2,022,507	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-20	Target Corporation	\$ 583,513	\$ -	\$ -	\$ -	\$ 466,811	\$ -	\$ 58,351	\$ -	\$ 58,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-34	St Paul Saints Stadium	\$ 555,750	\$ 444,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,575	\$ -	\$ -	\$ -	\$ 55,575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-41	City of Hutchinson	\$ 958,369	\$ 958,369	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
EP4-48	Oak Leaf Energy Ptr	\$ 2,000,000	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Energy Production		\$ 9,042,352	\$ 4,497,689	\$ -	\$ 2,000,000	\$ 466,811	\$ -	\$ 58,351	\$ 55,575	\$ 58,351	\$ -	\$ -	\$ 55,575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
RD4-2	Univ of Minn Dairy	\$ 982,408	\$ 101,820	\$ -	\$ 101,820	\$ -	\$ 203,639	\$ -	\$ 101,820	\$ -	\$ 249,117	\$ -	\$ 27,574	\$ -	\$ 27,574	\$ -	\$ 37,574	\$ -	\$ -
RD4-11	UoM NRRI Torrefact	\$ 1,899,499	\$ -	\$ -	\$ -	\$ 192,225	\$ -	\$ 290,375	\$ -	\$ -	\$ -	\$ 478,619	\$ -	\$ -	\$ -	\$ 640,657	\$ -	\$ 89,272	\$ -
RD4-12	UoM Noise	\$ 625,102	\$ -	\$ -	\$ 78,087	\$ -	\$ 28,088	\$ -	\$ 78,088	\$ -	\$ -	\$ 78,088	\$ -	\$ -	\$ 44,112	\$ -	\$ -	\$ 44,113	\$ -
RD4-13	UoM V W S	\$ 1,391,684	\$ 82,985	\$ 82,985	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 212,351	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 154,812	\$ -	\$ -
HE4-1	MN W Comm&Tech Coll	\$ 5,500,000	\$ -	\$ -	\$ -	\$ 2,400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
HE4-2	U of St Thomas	\$ 2,157,215	\$ 719,072	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 719,072	\$ -	\$ -	\$ -
HE4-3	U of Minnesota	\$ 3,000,000	\$ 1,000,000	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -
Total Research & Dev.		\$ 15,555,908	\$ 1,903,877	\$ 82,985	\$ 1,179,907	\$ 2,592,225	\$ 231,727	\$ 290,375	\$ 179,908	\$ -	\$ 461,468	\$ 2,606,707	\$ 27,574	\$ -	\$ 71,686	\$ 1,359,729	\$ 1,192,386	\$ 133,385	\$ -
Total Cycle 4 Projects		\$ 24,598,260	\$ 6,401,566	\$ 82,985	\$ 3,179,907	\$ 3,059,036	\$ 231,727	\$ 348,726	\$ 235,483	\$ 58,351	\$ 461,468	\$ 2,606,707	\$ 83,149	\$ -	\$ 71,686	\$ 1,359,729	\$ 1,192,386	\$ 133,385	\$ -

See Attachment 17 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT
 Annual Compliance Report - Cycle 4
 Actuals through August 2016
 Forecast through December 2018

Project No.	Name	Forecast Jan 2018	Forecast Feb 2018	Forecast Mar 2018	Forecast Apr 2018	Forecast May 2018	Forecast Jun 2018	Forecast Jul 2018	Forecast Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Project Totals
EP4-5	Best Power Intl	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000
EP4-6	Best Pwr-St. John's	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,213
EP4-11	Innovative Pwr Sys	\$ -	\$ 1,850,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,850,000
EP4-13	Metro Airports Comm	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,022,507
EP4-20	Target Corporation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 583,513
EP4-34	St Paul Saints Stadium	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,750
EP4-41	City of Hutchinson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 958,369
EP4-48	Oak Leaf Energy Pwr	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000
Total Energy Production		\$ -	\$ 1,850,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,042,352
RD4-2	Univ of Minn Dairy	\$ 45,146	\$ -	\$ 37,629	\$ -	\$ 43,629	\$ -	\$ 58,629	\$ -	\$ -	\$ 48,257	\$ -	\$ -	\$ 1,084,228
RD4-11	UoM NRRI Torrefact	\$ -	\$ 74,393	\$ -	\$ -	\$ 74,393	\$ -	\$ -	\$ 59,515	\$ -	\$ -	\$ -	\$ -	\$ 1,899,449
RD4-12	UoM Noise	\$ -	\$ 44,113	\$ -	\$ -	\$ 44,113	\$ -	\$ -	\$ 27,260	\$ -	\$ -	\$ 27,260	\$ -	\$ 493,322
RD4-13	UoM VWS	\$ -	\$ -	\$ 154,813	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 108,946	\$ -	\$ -	\$ -	\$ 796,892
HE4-1	MIN W Comm&Tech Coll	\$ -	\$ -	\$ -	\$ -	\$ 1,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,500,000
HE4-2	U of St Thomas	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 719,071	\$ -	\$ -	\$ -	\$ 2,157,215
HE4-3	U of Minnesota	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000
Total Research & Dev.		\$ 45,146	\$ 118,506	\$ 192,442	\$ -	\$ 1,212,135	\$ -	\$ 58,629	\$ 86,775	\$ 828,017	\$ 48,257	\$ 27,260	\$ -	\$ 14,931,106
Total Cycle 4 Projects		\$ 45,146	\$ 1,968,506	\$ 192,442	\$ -	\$ 1,212,135	\$ -	\$ 58,629	\$ 86,775	\$ 828,017	\$ 48,257	\$ 27,260	\$ -	\$ 23,973,458

See Attachment 17 for an explanation of:

Previous Cycle RDF Grant Project Payments Not Included in 2016 Forecast for Cost Recovery*

	Sep-16	Oct-16	Nov-16	Dec-16	Total
Crown Hydro	0	0	0	0	0
Coaltec	0	0	0	0	0
MN Renew Energy Soc	0	0	0	0	0
Mnpls Park & Rec Bd	0	0	0	0	0
Bergey Windpower	0	0	0	155,000	155,000
Dragonfly Solar Dge	0	0	0	0	0
Barr Engineering	0	0	0	0	0
Monthly Sub Total	0	0	0	155,000	155,000
Cumulative Obligation	0	0	0	155,000	

* Based on information from project sponsors and/or prior project performance.

** The timing and amount of these payments is based on prior project performance and budget status rather than the timing and amounts reflected in RDF grant contract milestone schedules.

Previous Cycle RDF Grant Project Payments Not Included in 2017 Forecast for Cost Recovery*

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
Crown Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0
Coaltec	0	0	0	100,000	0	0	0	0	0	0	0	0	100,000
MN Renew Energy Soc	0	0	0	0	0	0	0	0	0	1,300,000	0	0	1,300,000
Mnpls Park & Rec Bd	0	0	0	0	0	969,741	0	0	0	0	0	0	969,741
Bergey Windpower	0	0	0	155,000	155,000	155,000	0	0	0	155,000	155,000	0	775,000
Dragonfly Solar Dge	0	0	0	0	0	0	0	1,650,000	0	0	0	0	1,650,000
Barr Engineering	0	29,383	0	0	22,037	0	0	0	25,710	0	0	23,175	100,305
Monthly Sub Total	0	29,383	0	255,000	177,037	1,124,741	0	1,650,000	25,710	1,455,000	155,000	23,175	4,895,046
Cumulative Obligation	0	29,383	29,383	284,383	461,420	1,586,161	1,586,161	3,236,161	3,261,871	4,716,871	4,871,871	4,895,046	

Previous Cycle RDF Grant Project Payments Not Included in 2018 Forecast for Cost Recovery*

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
Crown Hydro	764,244	0	0	0	750,000	0	0	900,000	0	0	650,000	0	3,064,244
Coaltec	0	0	0	50,000	0	0	0	0	0	0	0	0	50,000
MN Renew Energy Soc	0	0	0	0	0	0	1,300,000	0	0	0	61,320	0	1,361,320
Mnpls Park & Rec Bd	0	0	0	0	0	0	0	0	0	0	0	0	0
Bergey Windpower	0	155,000	0	21,600	0	0	0	0	0	0	0	0	176,600
Dragonfly Solar Dge	0	0	0	0	0	0	0	0	0	0	0	0	0
Barr Engineering	0	12,155	0	0	0	0	0	33,971	0	14,650	0	0	60,776
Monthly Sub Total	764,244	167,155	0	71,600	750,000	0	1,300,000	933,971	0	14,650	711,320	0	4,712,940
Cumulative Obligation	764,244	931,399	931,399	1,002,999	1,752,999	1,752,999	3,052,999	3,986,970	3,986,970	4,001,620	4,712,940	4,712,940	

* Based on information from project sponsors and/or prior project performance.

RENEWABLE DEVELOPMENT FUND**Annual Compliance Report - Cycle 4 Projects**

In Contract Development and not Included for Recovery

Project No.	Name	Total Amount Awarded	Status	Forecast 2016	Forecast 2017	Forecast 2018	Forecast 2019
EP4-3	Mnpls Public School - Edison HS	917,250	Negotiating	0	917,250	0	0
EP4-7	Anoka Ramsey Com Col	828,900	Negotiating	0	0	828,900	0
EP4-42	Aurora St. Anthony	398,000	Negotiating	0	0	398,000	0
EP4-43	Cornerstone Group	310,310	Negotiating	0	0	0	310,310
EP4-44	Region 5 Dev Comm	1,993,659	Negotiating	0	0	1,993,659	0
Total Energy Production		4,448,119		0	917,250	3,220,559	310,310
RD4-8	City of Red Wing	1,999,500	Negotiating	0	297,160	1,369,582	132,758
RD4-5	Univ of Florida	1,109,538	Negotiating	0	379,846	369,846	359,846
RD4-7	Interphases Solar	1,000,000	Negotiating	0	334,599	277,000	388,401
RD4-1	U of M Gasification	999,999	Negotiating	0	150,000	530,000	319,999
Total Research and Development		5,109,037		0	1,161,605	2,546,428	1,201,004
Total Cycle 4 Projects		9,557,156		0	2,078,855	5,766,987	1,511,314

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
AB-07	AnAerobics, Inc	\$1,300,000	EP	1	Biomass	complete	
AH-01	Crown Hydro	\$5,100,000	EP	1	Hydro	current	01/2018*
AS-05	MN Dept. of Commerce	\$1,150,000	EP	1	Solar	complete	
AS-06	Science Museum	\$100,000	EP	1	Solar	complete	
AW-03	Project Resource Corp	\$900,000	EP	1	Wind	complete	
AW-10	Pipestone Jasper School	\$752,835	EP	1	Wind	complete	
BB-03	Sebesta Blomberg	\$738,654	RD	1	Biomass	complete	
BB-06	Energy Performance Systems	\$266,508	RD	1	Biomass	complete	
BB-09	University of ND - Cofiring	\$444,478	RD	1	Biomass	complete	
BB-10	Community Power Corp.	\$638,635	RD	1	Biomass	complete	
BB-12	Univ of ND - SCR Performance	\$60,000	RD	1	Biomass	complete	
BW-06	Blattner and Sons	\$68,470	RD	1	Wind	complete	
CB-07	Colorado School of Mines	\$1,116,742	RD	1	Biomass	complete	
CB-08	Univ. of ND - SOFC	\$1,250,142	RD	1	Biomass	complete	
CS-05	NREL	\$934,628	RD	1	Solar	complete	
CW-02	Global Energy Concepts	\$75,000	RD	1	Wind	complete	
CW-06	University of Minnesota	\$654,309	RD	1	Wind	complete	
EP-26	Hilltop	\$1,200,000	EP	2	Wind	complete	
EP-34	Lower St. Anthony Falls	\$2,000,000	EP	2	Hydro	complete	
EP-39	St. Olaf	\$1,500,000	EP	2	Wind	complete	
EP-43	Mesaba/Excelsior Energy	\$10,000,000	EP	2	Innovative	complete	
EP-44	CMEC	\$2,000,000	EP	2	Biomass	complete	
EP-51	Diamond K Dairy	\$936,530	EP	2	Biomass	complete	
RD-22	Energy Conversion Devices	\$900,000	RD	2	Biomass	complete	
RD-26	Coaltec	\$450,000	RD	2	Biomass	complete	
RD-27	Rural Advantage	\$318,800	RD	2	Biomass	complete	
RD-29	University of Minnesota	\$299,284	RD	2	Biomass	complete	
RD-34	University of Florida	\$999,995	RD	2	Biomass	complete	
RD-38	Gas Technology Institute	\$861,860	RD	2	Biomass	complete	
RD-50	Energy Performance Systems	\$957,929	RD	2	Biomass	complete	
RD-56	University of Minnesota	\$858,363	RD	2	Biomass	complete	
RD-57	Windlogics	\$997,000	RD	2	Wind	complete	
RD-69	AURI	\$760,000	RD	2	Biomass	complete	
RD-72	Production Specialties	\$228,735	RD	2	Biomass	complete	
RD-78	Interphases Research	\$1,000,000	RD	2	Solar	complete	
RD-87	Global Energy Concepts	\$370,000	RD	2	Wind	complete	
RD-93	NREL - Inkjet Solar Cells	\$1,000,000	RD	2	Solar	complete	
RD-94	Center for Energy and the Environment	\$397,500	RD	2	Biomass	complete	
RD-107	NREL-Low Band Gap-Solar	\$1,000,000	RD	2	Solar	complete	
RD-110	CSET and Iowa State University	\$405,000	RD	2	Biomass	complete	
EP3 - 2	Merrick	\$735,000	EP	3	Solar	complete	
EP3 - 3	Best Power International	\$1,994,480	EP	3	Solar	complete	
EP3 - 10	Outland Renewable Energy	\$2,000,000	EP	3	Solar	complete	
EP3 - 11	City of Minneapolis	\$2,000,000	EP	3	Solar	complete	
EP3 - 12	freEner-g	\$1,488,922	EP	3	Solar	complete	

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
EP3 - 13	Minnesota Department of Natural Resources	\$894,000	EP	3	Solar	complete	
RD3 - 1	University of Minnesota	\$992,989	RD	3	Biomass	complete	
RD3 - 2	SarTec Corporation	\$350,000	RD	3	Biofuel	complete	
RD3 - 4	Bepex International	\$924,671	RD	3	Biomass	complete	
RD3 - 12	Xcel Energy	\$1,000,000	RD	3	Wind	complete	
RD3 - 21	Northern Plains Power Technologies	\$493,608	RD	3	Solar	complete	
RD3 - 23	University of Minnesota	\$819,159	RD	3	Biomass	complete	
RD3 - 25	University of Minnesota	\$732,032	RD	3	Solar	complete	
RD3 - 28	University of Minnesota	\$979,082	RD	3	Biomass	complete	
RD3 - 42	University of Minnesota	\$999,999	RD	3	Wind	complete	
RD3 - 53	Interphases Solar	\$1,000,000	RD	3	Solar	complete	
RD3 - 58	West Central Telephone Association	\$137,000	RD	3	Wind/Solar	complete	
RD3 - 66	University of North Dakota	\$999,065	RD	3	Biomass	complete	
RD3 - 68	University of North Dakota	\$970,558	RD	3	Biomass	complete	
RD3 - 69	Minnesota Valley Alfalfa Producers	\$1,000,000	RD	3	Biomass	complete	
RD3 - 71	University of North Dakota	\$999,728	RD	3	Biomass	complete	
RD3 - 77	Coaltec Energy USA	\$1,000,000	RD	3	Biomass	current	4/2018*
EP4-3	Minneapolis Public School	\$917,250	EP	4	Solar	negotiations	TBD
EP4-5	Best Power Intl - SSND	\$900,000	EP	4	Solar	complete	
EP4-6	Best Power Intl - St. John's	\$172,213	EP	4	Solar	complete	
EP4-7	Anoka Ramsey Community College	\$828,900	EP	4	Solar	negotiations	TBD
EP4-11	Innovative Power Systems	\$1,850,000	EP	4	Solar	current	9/1/2017
EP4-13	Metropolitan Airports Commission	\$2,022,507	EP	4	Solar	complete	
EP4-15	Minnesota Renewable Energy Society	\$2,661,320	EP	4	Solar	current	5/17/2017
EP4-20	Target Corporation	\$583,513	EP	4	Solar	current	7/1/2017
EP4-21	Farmamerica	\$600,000	EP	4	solar/wind	cancelled	
EP4-22	Minneapolis Park & Recreation Board	\$969,741	EP	4	solar	current	12/28/2017
EP4-24	Bergey Windpower	\$1,106,600	EP	4	wind	current	11/24/2017
EP4-29	Dragonfly Solar	\$1,650,000	EP	4	solar	current	12/8/2017
EP4-34	City of St Paul	\$555,750	EP	4	solar	current	6/9/2017
EP4-41	City of Hutchinson	\$958,369	EP	4	solar	complete	
EP4-42	Aurora St. Anthony	\$398,000	EP	4	solar	negotiations	TBD
EP4-43	Cornerstone Group	\$310,310	EP	4	solar	negotiations	TBD
EP4-44	Region 5 Dev. Commission	\$1,993,659	EP	4	solar	negotiations	TBD
EP4-48	Oak Leaf Energy	\$2,000,000	EP	4	solar	current	1/26/2017
RD4-1	Univ. of Minn - Gasification	\$999,999	RD	4	Biomass	negotiations	TBD
RD4-2	University of Minnesota - Dairy	\$982,408	RD	4	solar/wind	current	6/2/2018
RD4-5	University of Florida	\$1,109,538	RD	4	Biomass	negotiations	TBD
RD4-7	Interphases Solar	\$1,000,000	RD	4	solar	negotiations	TBD
RD4-8	City of Red Wing	\$1,999,500	RD	4	biomass	negotiations	TBD
RD4-11	University of Minnesota - Torrefaction	\$1,899,499	RD	4	biomass	current	9/3/2017
RD4-12	University of Minnesota - Noise	\$625,102	RD	4	wind	current	9/2/2018
RD4-13	University of Minnesota - VWS	\$1,391,684	RD	4	wind	current	6/3/2020
RD4-14	Barr Engineering	\$161,081	RD	4	wind	negotiations	TBD
HE4-1	Minnesota State Colleges & Universities	\$5,500,000	HE	4	all types	current	4/11/2019

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
HE4-2	University of St Thomas	\$2,157,215	HE	4	all types	current	8/12/2018
HE4-3	University of Minnesota	\$3,000,000	HE	4	all types	current	8/20/2018

* Based on information from project sponsor and subject to change.

RDF Administrative Costs as Percent of Total Grant Payments

	Up to 2011	2012	2013	2014	2015	Through 2015
Total RDF Grant Payments	\$ 54,641,107	\$ 1,902,837	\$ 3,142,992	\$ 680,843	\$ 2,809,764	\$ 63,177,543
Administrative Expenses	\$ 1,062,572	\$ 101,533	\$ 178,458	\$ 24,781	\$ 15,741	\$ 1,383,084
Ratio of Adm. Expenses	1.9%	5.3%	5.7%	3.6%	0.6%	2.2%

	Up to 2011	2012	2013	2014	2015	2016 Fcst*	2017 Fcst*	Through 2017
Total RDF Grant Payments	\$ 54,641,107	\$ 1,902,837	\$ 3,142,992	\$ 680,843	\$ 2,809,764	\$ 10,883,008	\$ 6,551,070	\$ 80,611,621
Administrative Expenses	\$ 1,062,572	\$ 101,533	\$ 178,458	\$ 24,781	\$ 15,741	\$ 27,949	\$ 126,300	\$ 1,537,333
Ratio of Adm. Expenses	1.9%	5.3%	5.7%	3.6%	0.6%	0.3%	1.9%	1.9%

* 2016 and 2017 Grant Payments reflect only those included for recovery.

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report
 Report of Fund Liability and Unencumbered Balance
 Through December 31, 2015

	Up to 2007	2007	2008	2009	2010	2011	2012	2013	2014	2015	2003-2015	Total Amount of Awards	Grant Awards not Utilized	Unencumb Grant
1. RDF Grant Payments (a+b+c)	\$ 18,215,043	\$ 10,384,214	\$ 3,238,627	\$ 7,533,073	\$ 8,326,383	\$ 6,943,768	\$ 1,902,837	\$ 3,142,992	\$ 680,843	\$ 2,809,764	\$ 63,177,543	\$ 108,205,848	\$ 2,684,951	\$ 105,520,897
Cycle 1 - EP	\$ 5,141,426	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,541,426	\$ 9,302,835	\$ 200,000	\$ 9,102,835
Cycle 2 - EP	\$ 400,000	\$ 3,436,360	\$ (520,000)	\$ 242,730	\$ 40,910	\$ 1,500,000	\$ 0	\$ 344,175	\$ 592,355	\$ -	\$ 6,036,530	\$ 7,636,530	\$ 1,600,000	\$ 6,036,530
Cycle 3 - EP	\$ -	\$ -	\$ 735,000	\$ 205,090	\$ 3,161,687	\$ 2,400,806	\$ 476,376	\$ 2,118,409	\$ -	\$ -	\$ 9,097,368	\$ 9,112,402	\$ 15,034	\$ 9,097,368
Cycle 4 - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,072,213	\$ 1,072,213	\$ 19,878,132	\$ -	\$ 19,878,132
a. Total Cat A	\$ 5,541,426	\$ 3,836,360	\$ 215,000	\$ 447,820	\$ 3,202,597	\$ 3,900,806	\$ 476,376	\$ 2,462,584	\$ 592,355	\$ 1,072,213	\$ 21,747,537	\$ 45,929,899	\$ 1,815,034	\$ 44,114,865
Cycle 1 - R&D	\$ 5,737,079	\$ 284,011	\$ 62,748	\$ 46,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,130,458	\$ 6,247,566	\$ 117,108	\$ 6,130,458
Cycle 2 - R&D	\$ 2,936,538	\$ 4,556,660	\$ 2,470,103	\$ 939,061	\$ 201,306	\$ -	\$ 197,741	\$ 31,619	\$ -	\$ -	\$ 11,333,028	\$ 11,804,466	\$ 471,438	\$ 11,333,028
Cycle 3 - R&D	\$ -	\$ -	\$ 100,000	\$ 2,928,537	\$ 4,191,473	\$ 3,042,962	\$ 1,228,720	\$ 648,789	\$ 88,488	\$ 737,551	\$ 12,966,521	\$ 13,397,891	\$ 281,370	\$ 13,116,521
Cycle 4 - R&D	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000	\$ 20,826,026	\$ -	\$ 20,826,026
b. Total Cat B	\$ 8,673,617	\$ 4,840,671	\$ 2,632,851	\$ 3,914,218	\$ 4,392,779	\$ 3,042,962	\$ 1,426,461	\$ 680,408	\$ 88,488	\$ 1,737,551	\$ 31,430,006	\$ 52,275,949	\$ 869,917	\$ 51,406,032
c. Excelsior	\$ 4,000,000	\$ 1,707,182	\$ 390,776	\$ 3,171,035	\$ 731,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -
2. Total Administrative Costs	\$ 874,291	\$ 431,952	\$ 225,705	\$ 118,052	\$ 147,234	\$ 139,629	\$ 101,533	\$ 178,458	\$ 24,781	\$ 15,741	\$ 2,257,375	\$ -	\$ -	\$ -
3. Total Other Legislative Mandates	\$ 24,027,002	\$ 9,481,847	\$ 16,673,693	\$ 16,744,987	\$ 15,619,529	\$ 14,729,047	\$ 13,325,940	\$ 9,531,960	\$ 21,460,068	\$ 20,684,911	\$ 162,278,984	\$ -	\$ -	\$ -
University of Minnesota/IREE	\$ 10,000,000	\$ -	\$ -	\$ 2,500,000	\$ 5,000,000	\$ 5,000,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 25,000,000	\$ -	\$ -	\$ -
REPI - Wind	\$ 13,738,134	\$ 9,633,251	\$ 9,011,870	\$ 9,465,152	\$ 9,239,984	\$ 8,511,746	\$ 8,494,153	\$ 6,950,346	\$ 5,316,377	\$ 3,496,069	\$ 83,857,082	\$ -	\$ -	\$ -
REPI - Biogas	\$ 138,868	\$ 36,085	\$ 36,823	\$ 292,335	\$ 392,045	\$ 522,260	\$ 523,737	\$ 462,556	\$ 380,557	\$ 1,156,891	\$ 3,942,156	\$ -	\$ -	\$ -
AURI Biofuel	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,000	\$ -	\$ -	\$ -
MPCA Deposit	\$ -	\$ (4,000,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (4,000,000)	\$ -	\$ -	\$ -
Next Generation Initiative	\$ -	\$ 3,812,511	\$ 7,625,000	\$ 3,812,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,250,011	\$ -	\$ -	\$ -
REP Administered by DOC	\$ -	\$ -	\$ -	\$ 675,000	\$ 987,500	\$ 312,500	\$ -	\$ -	\$ -	\$ -	\$ 1,975,000	\$ -	\$ -	\$ -
Solar Rebates, MN Made (10)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 382,541	\$ 1,808,050	\$ 2,119,059	\$ 3,686,335	\$ 3,950,536	\$ 11,946,522	\$ -	\$ -	\$ -
DOC Solar Incentive Program (11)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,021,295	\$ 12,014,671	\$ 24,035,967	\$ -	\$ -
Solar Rewards (12)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,503	\$ 66,743	\$ 122,246	\$ -	\$ -	\$ -
Total RDF Cost (1+2+3)	\$ 43,116,336	\$ 20,298,012	\$ 20,138,025	\$ 24,396,112	\$ 24,093,145	\$ 21,812,445	\$ 15,330,310	\$ 12,853,411	\$ 22,165,691	\$ 23,510,415	\$ 227,713,902	\$ -	\$ -	\$ -

As of December 31, 2015

1. Total Amount Credited to RDF	\$ 275,750,000
2. Total RDF Payments	\$ 227,713,902
3. Total Amount of Awards	\$ 105,520,897
4. Amount of RDF Grants Paid	\$ 63,177,543

Unencumbered

Cumulative Balance \$ 5,692,744

(1-2-3+4)

RENEWABLE DEVELOPMENT FUND

2017 Rate Rider Calculation

Compare MN State Sales Allocator based on RDF and FCA Sales

All Sales in mWh

	a	b	c	d	e=b+c+d	f=e/a	g	h	i	j	k=j/i	l=g-a
	RDF Total						FCA Total	FCA MN		FCA MN		Total
	System	MN State	ND State	SD State	RDF NSPM	RDF MN	System	State	FCA Total System	State Cal Mo	FCA MN	System
	Calendar	Calendar	Calendar	Calendar	Calendar	State Sales	Calendar	Calendar	Cal Mo Sales less	Sales less	State Sales	Sales
	Month Sales	Month	Month	Month	Month Sales	Allocator	Month Sales	Month Sales	Windsource	Windsource	Allocator	Difference
Sep-15	3,543,273	2,631,584	171,917	175,463	2,978,964	84.07%	3,543,271	2,631,584	3,531,369	2,619,682	74.18%	(2)
Oct-15	3,314,295	2,455,729	169,217	164,618	2,789,564	84.17%	3,314,295	2,455,729	3,303,390	2,444,824	74.01%	0
Nov-15	3,233,892	2,356,064	185,907	162,019	2,703,989	83.61%	3,233,894	2,356,063	3,224,216	2,346,385	72.77%	2
Dec-15	3,422,019	2,487,413	204,882	167,663	2,859,957	83.58%	3,422,020	2,487,413	3,410,445	2,475,838	72.60%	1
Jan-16	3,557,832	2,567,048	220,411	179,171	2,966,630	83.38%	3,557,831	2,567,047	3,545,816	2,555,032	72.06%	(1)
Feb-16	3,228,305	2,338,418	190,576	156,427	2,685,421	83.18%	3,228,305	2,338,418	3,217,237	2,327,350	72.34%	0
Mar-16	3,268,371	2,372,681	185,970	161,331	2,719,982	83.22%	3,268,372	2,372,681	3,255,617	2,359,926	72.49%	1
Apr-16	2,948,009	2,162,456	151,960	141,942	2,456,357	83.32%	2,948,008	2,162,456	2,937,363	2,151,811	73.26%	(1)
May-16	3,229,446	2,378,548	170,074	164,558	2,713,181	84.01%	3,229,447	2,378,549	3,218,456	2,367,558	73.56%	1
Jun-16	3,602,708	2,662,417	178,606	206,853	3,047,876	84.60%	3,602,708	2,662,417	3,590,230	2,649,939	73.81%	0
Jul-16	4,030,609	3,013,278	192,864	211,276	3,417,417	84.79%	4,030,611	3,013,278	4,017,719	3,000,386	74.68%	2
Aug-16	4,079,707	3,039,933	199,730	217,421	3,457,084	84.74%	4,079,706	3,039,933	4,064,455	3,024,682	74.42%	(1)

- a Total System Sales as reported by Xcel Energy in RDF Rider filing
- b Minnesota State Electric sales, as reported by Xcel Energy
- c North Dakota State Electric sales, as reported by Xcel Energy
- d South Dakota State Electric sales, as reported by Xcel Energy
- e Sum of Minnesota, North Dakota, and South Dakota sales (know as "NSPM"); corresponds to NSPM sales used to create MN State Sales Allocator in RDF Rider filing
- f Ratio of NSPM to Total System Electric sales; corresponds to the MN State Sales Allocator in the RDF Rider filing
- g Total System Sales as reported by Xcel Energy in monthly FCA filings
- h Minnesota State Electric sales, as reported by Xcel Energy in monthly FCA filings
- i Total System Sales as reported by Xcel Energy in monthly FCA filings less Windsource sales not included in FCA calculation
- j Minnesota State Electric sales, as reported by Xcel Energy in monthly FCA filings less Windsource sales not included in FCA calculation
- k Ratio of NSPM to Total System Electric sales as reported in monthly FCA filings
- l Comparison of Total System Sales reported in RDF Rider filing and monthly FCA filings; differences due to rounding

RENEWABLE DEVELOPMENT FUND

2017 Rate Rider Calculation

Compare Actual RDF Rate Rider Revenues to Revenues Calculated using FCA sales

Month	Ride r	CRS Tariff	CRS Tariff Description	Business Unit	Object	a kWh Billing Month Volume	b Amount	c = b/a Average Rider Rate	Description	d FCA Sales	e=a-d Difference	f=d*e Revenue	g=b-f Difference
									Total MN Cal Mo Sales	3,061,945			
									Less: Wholesale	(431,018)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	657			
									Less: Windsource	(11,902)			
Sep-15	RDF	6447	MNRRDF:[AResource Adjustment	450006	511115	797,217,323	448,838	0.000563	Total MN Cal Mo Retail	2,619,682			
	RDF	6448	MNCRDF:[AResource Adjustment	450016	511215	1,922,378,489	1,082,311	0.000563	Less: Net Unbilled	103,772			
	RDF	6449	MNPRDF:[AResource Adjustment	450016	511415	9,324,745	5,250	0.000563	Add: Windsource	11,902			
	RDF	7295	MNMRDF:[AResource Adjustment	450016	511615	5,778,208	3,253	0.000563	Less: Interdepartmental	(657)			
						2,734,698,765	1,539,652.00		Total MN Bill Mo Retail	2,734,699	-	1,539,635.54	16
									Total MN Cal Mo Sales	3,005,511			
									Less: Wholesale	(550,927)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	1,145			
									Less: Windsource	(10,905)			
Oct-15	RDF	6447	MNRRDF:[AResource Adjustment	450006	511115	633,400,059	356,591	0.000563	Total MN Cal Mo Retail	2,444,824			
	RDF	6448	MNCRDF:[AResource Adjustment	450016	511215	1,856,023,563	1,044,939	0.000563	Less: Net Unbilled	51,731			
	RDF	6449	MNPRDF:[AResource Adjustment	450016	511415	11,390,250	6,413	0.000563	Add: Windsource	10,905			
	RDF	7295	MNMRDF:[AResource Adjustment	450016	511615	5,501,789	3,098	0.000563	Less: Interdepartmental	(1,145)			
						2,506,315,661	1,411,040.54		Total MN Bill Mo Retail	2,506,315	1	1,411,055.35	(15)
									Total MN Cal Mo Sales	2,641,230			
									Less: Wholesale	(285,641)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	474			
									Less: Windsource	(9,678)			
Nov-15	RDF	6447	MNRRDF:[AResource Adjustment	450006	511115	527,568,988	297,016	0.000563	Total MN Cal Mo Retail	2,346,385			
	RDF	6448	MNCRDF:[AResource Adjustment	450016	511215	1,575,693,491	887,102	0.000563	Less: Net Unbilled	(234,402)			
	RDF	6449	MNPRDF:[AResource Adjustment	450016	511415	13,499,924	7,601	0.000563	Add: Windsource	9,678			
	RDF	7295	MNMRDF:[AResource Adjustment	450016	511615	4,447,896	2,504	0.000563	Less: Interdepartmental	(474)			
						2,121,210,299	1,194,222.11		Total MN Bill Mo Retail	2,121,187	23	1,194,228.28	(6)
									Total MN Cal Mo Sales	3,060,958			
									Less: Wholesale	(574,122)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	577			
									Less: Windsource	(11,575)			
Dec-15	RDF	6447	MNRRDF:[AResource Adjustment	450006	511115	729,746,082	410,838	0.000563	Total MN Cal Mo Retail	2,475,838			
	RDF	6448	MNCRDF:[AResource Adjustment	450016	511215	1,766,041,889	994,272	0.000563	Less: Net Unbilled	27,938			
	RDF	6449	MNPRDF:[AResource Adjustment	450016	511415	14,394,565	8,104	0.000563	Add: Windsource	11,575			
	RDF	7295	MNMRDF:[AResource Adjustment	450016	511615	4,754,576	2,677	0.000563	Less: Interdepartmental	(577)			
						2,514,937,112	1,415,890.93		Total MN Bill Mo Retail	2,514,774	163	1,415,817.76	73

RENEWABLE DEVELOPMENT FUND

2017 Rate Rider Calculation

Compare Actual RDF Rate Rider Revenues to Revenues Calculated using FCA sales

Month	Ride r	CRS Tariff	CRS Tariff Description	Business Unit	Object	a kWh Billing Month Volume	b Amount	c = b/a Average Rider Rate	Description	d FCA Sales	e=a-d Difference	f=d*e Revenue	g=b-f Difference
									Total MN Cal Mo Sales	2,916,114			
									Less: Wholesale	(349,688)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	621			
									Less: Windsource	(12,015)			
Jan-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	799,308,465	575,617	0.000720	Total MN Cal Mo Retail	2,555,032			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,761,041,501	1,194,118	0.000678	Less: Net Unbilled	13,391			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	14,650,340	9,403	0.000642	Add: Windsource	12,015			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,817,852	3,106	0.000645	Less: Interdepartmental	(621)			
						<u>2,579,818,158</u>	<u>1,782,244.36</u>		Total MN Bill Mo Retail	2,579,817	1	1,782,243.56	1
									Total MN Cal Mo Sales	2,727,619			
									Less: Wholesale	(389,303)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	102			
									Less: Windsource	(11,068)			
Feb-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	703,925,780	633,809	0.000900	Total MN Cal Mo Retail	2,327,350			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,727,583,800	1,538,506	0.000891	Less: Net Unbilled	112,103			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	14,144,707	12,401	0.000877	Add: Windsource	11,068			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,763,762	4,165	0.000874	Less: Interdepartmental	(102)			
						<u>2,450,418,049</u>	<u>2,188,879.77</u>		Total MN Bill Mo Retail	2,450,419	(1)	2,188,880.62	(1)
									Total MN Cal Mo Sales	2,850,979			
									Less: Wholesale	(479,277)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	979			
									Less: Windsource	(12,755)			
Mar-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	705,482,633	636,149	0.000902	Total MN Cal Mo Retail	2,359,926			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,807,201,467	1,630,020	0.000902	Less: Net Unbilled	158,906			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	12,933,262	11,657	0.000901	Add: Windsource	12,755			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,990,215	4,490	0.000900	Less: Interdepartmental	(979)			
						<u>2,530,607,577</u>	<u>2,282,314.56</u>		Total MN Bill Mo Retail	2,530,608	-	2,282,608.42	(294)
									Total MN Cal Mo Sales	2,741,205			
									Less: Wholesale	(579,272)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	523			
									Less: Windsource	(10,645)			
Apr-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	573,077,084	516,805	0.000902	Total MN Cal Mo Retail	2,151,811			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,559,673,331	1,406,816	0.000902	Less: Net Unbilled	(13,088)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	12,014,829	10,839	0.000902	Add: Windsource	10,645			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,079,878	3,680	0.000902	Less: Interdepartmental	(523)			
						<u>2,148,845,122</u>	<u>1,938,139.92</u>		Total MN Bill Mo Retail	2,148,845	-	1,938,258.19	(118)
									Total MN Cal Mo Sales	2,734,455			

RENEWABLE DEVELOPMENT FUND

2017 Rate Rider Calculation

Compare Actual RDF Rate Rider Revenues to Revenues Calculated using FCA sales

Month	Ride r	CRS Tariff	CRS Tariff Description	Business Unit	Object	a kWh Billing Month Volume	b Amount	c = b/a Average Rider Rate	Description	d FCA Sales	e=a-d Difference	f=d*c Revenue	g=b-f Difference
									Less: Wholesale	(355,978)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	72			
									Less: Windsource	(10,991)			
May-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	546,030,338	492,447	0.000902	Total MN Cal Mo Retail	2,367,558			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,713,851,410	1,545,932	0.000902	Less: Net Unbilled	(104,973)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	9,663,735	8,717	0.000902	Add: Windsource	10,991			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,512,549	4,071	0.000902	Less: Interdepartmental	(72)			
						<u>2,274,058,032</u>	<u>2,051,167.10</u>		Total MN Bill Mo Retail	2,273,504	554	2,050,700.61	466
									Total MN Cal Mo Sales	2,803,707			
									Less: Wholesale	(144,023)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	2,733			
									Less: Windsource	(12,478)			
Jun-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	727,269,526	655,969	0.000902	Total MN Cal Mo Retail	2,649,939			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,814,663,080	1,636,829	0.000902	Less: Net Unbilled	(104,078)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	8,123,513	7,327	0.000902	Add: Windsource	12,478			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,549,931	5,006	0.000902	Less: Interdepartmental	(2,733)			
						<u>2,555,606,050</u>	<u>2,305,130.36</u>		Total MN Bill Mo Retail	2,555,606	-	2,305,156.61	(26)
									Total MN Cal Mo Sales	3,481,681			
									Less: Wholesale	(467,989)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	(414)			
									Less: Windsource	(12,892)			
Jul-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	854,715,125	770,942	0.000902	Total MN Cal Mo Retail	3,000,386			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,883,303,476	1,698,782	0.000902	Less: Net Unbilled	(262,113)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	7,466,378	6,735	0.000902	Add: Windsource	12,892			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	6,155,566	5,552	0.000902	Less: Interdepartmental	414			
						<u>2,751,640,545</u>	<u>2,482,011.55</u>		Total MN Bill Mo Retail	2,751,579	62	2,481,924.26	87
									Total MN Cal Mo Sales	3,576,855			
									Less: Wholesale	(537,609)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	687			
									Less: Windsource	(15,251)			
Aug-16	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	1,041,976,271	939,860	0.000902	Total MN Cal Mo Retail	3,024,682			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	2,123,187,752	1,915,111	0.000902	Less: Net Unbilled	141,846			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	8,608,049	7,765	0.000902	Add: Windsource	15,251			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	7,319,483	6,602	0.000902	Less: Interdepartmental	(687)			
						<u>3,181,091,555</u>	<u>2,869,337.67</u>		Total MN Bill Mo Retail	3,181,092	-	2,869,344.98	(7)

RENEWABLE DEVELOPMENT FUND**Rider Calculation**

Footnotes for All Schedules

Footnote Number	Footnote Description
1	Administration costs recovered from Minnesota customers are equal to the Total Administrative costs multiplied by the MN Admin Cost Recovery Percentage. The MN Admin Cost Recovery Percentage for the forecast period is based on the ratio of EP and R&D Grant Awards in Cycle 4.
2	Mandated by the Minnesota Legislature in 2003 for the Initiative for Renewable Energy and the Environment
3	Mandated by the Minnesota Legislature in 2003 for Renewable Energy Production Incentive payments
4	Mandated by the Minnesota Legislature in 2003 for the Excelsior Energy project to be paid over 5 years
5	Mandated by the Minnesota Legislature in 2005 for the Agricultural Utilization Research Institute
6	Mandated by the Minnesota Legislature in 2005 requiring the Minnesota Pollution Control Agency to make a deposit to the RDF account by 2007
7	Mandated by the Minnesota Legislature in 2009 for a payment in the amount of \$15.25 million over two fiscal years for the Next Gen Initiative
8	Mandated by the Minnesota Legislature in 2009 to pay \$20 million to IREE over four years. In 2011, the Minnesota legislature eliminated the final year payment of \$5 million, reducing the total to \$15 million
9	Mandated by the Minnesota Legislature in 2009 for a payment in the amount of \$1.975 million over two fiscal years for projects and programs administered by the DOC
10	Mandated by the Minnesota Legislature in 2010 to pay \$21 million over five years for Minnesota Bonus Solar Rebates
11	Made in Minnesota Solar Energy Production Incentive Account - A ten year, \$15 million/year "Made In MN" incentive fund from 2014 – 2023 to be administered by the DOC. About \$3 million/year will come from CIP funds and the balance of \$12 million/year is from the RDF. Expected total obligation from the RDF is \$120 million. (Statute
12	Solar Energy Incentive Program - A five year, \$5 million/year solar production incentive program from 2014 – 2018 with payouts over ten years (approximately 2015 – 2028). Total obligation of \$25 million from the RDF. Sign up and installation in 2014 with first payments to begin in 2015. RDF payment expected to peak at \$2.5 million/year by 2019. Sign-up estimated at \$.5 million/year.
13	In 2013, the \$5 million earmarked for future pilot investments was reallocated to Cycle 4 Grant awards.

Redline

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
16th Revised Sheet No. 143

APPLICATION

Applicable to bills for electric service provided under the Company's retail rate schedules.

RIDER

There shall be included on each customer's monthly bill a Renewable Development Fund charge that shall be the applicable Renewable Development Fund factor multiplied by the customer's monthly kWh electric consumption.

DETERMINATION OF RENEWABLE DEVELOPMENT FUND FACTOR

The applicable Renewable Development Fund factor shall be the quotient obtained by dividing the annual Renewable Development Fund Tracker amount by the annual forecasted kWh sales. The factor may be adjusted annually with approval of the Minnesota Public Utilities Commission.

Residential	\$0.000902 <u>\$0.001034</u> per kWh
Commercial	\$0.000902 <u>\$0.001034</u> per kWh

R
R

Recoverable Renewable Development Fund Expense

All costs appropriately charged to the Renewable Development Fund Tracker account shall be eligible for recovery through this Rider, and all revenues received from the Renewable Development Fund portion of the Resource Adjustment shall be credited to the Renewable Development Fund Tracker account.

PROVISION OF FORECAST DATA

To assist commercial and industrial customers in budgeting and managing their energy costs, the Company will annually make available on October 1st a 24-month forecast of the Renewable Development Fund Factor applicable to demand billed C&I customers under this Rider. The forecast period begins January 1st of the following year. This forecast will be provided only to customers who have signed a protective agreement with the Company.

Date Filed:	09-30-15 <u>09-30-16</u>	By: Christopher B. Clark	Effective Date:	01-01-16
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M- 15-730 <u>16-</u>		Order Date:	12-11-15

Clean

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

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16th Revised Sheet No. 143

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Date Filed: 09-30-16

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-16-

Order Date:

CERTIFICATE OF SERVICE

I, Carl Cronin, hereby certify that I have this day served copies of the foregoing document on the attached list of persons.

xx by depositing a true and correct copy thereof, properly enveloped with postage paid in the United States mail at Minneapolis, Minnesota

xx electronic filing

Xcel Energy Misc. Electric Service List

Dated this 30th day of September 2016

/s/

Carl Cronin
Regulatory Administrator

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
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	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
James J.	Bertrand	james.bertrand@stinson.com	Stinson Leonard Street LLP	150 South Fifth Street, Suite 2300 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Carl	Cronin	Regulatory.records@xcelenergy.com	Xcel Energy	414 Nicollet Mall FL 7 Minneapolis, MN 554011993	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
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Ian	Dobson	ian.dobson@ag.state.mn.us	Office of the Attorney General-RUD	Antitrust and Utilities Division 445 Minnesota Street, BRM Tower St. Paul, MN 55101	Electronic Service 1400	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Emma	Fazio	emma.fazio@stoel.com	Stoel Rives LLP	33 South Sixth Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Sharon	Ferguson	sharon.ferguson@state.mn.us	Department of Commerce	85 7th Place E Ste 500 Saint Paul, MN 551012198	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Michael	Hoppe	il23@mtn.org	Local Union 23, I.B.E.W.	932 Payne Avenue St. Paul, MN 55130	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Alan	Jenkins	aj@jenkinsatlaw.com	Jenkins at Law	2265 Roswell Road Suite 100 Marietta, GA 30062	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Richard	Johnson	Rick.Johnson@lawmoss.com	Moss & Barnett	150 S. 5th Street Suite 1200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Mark J.	Kaufman	mkaufman@ibewlocal949.org	IBEW Local Union 949	12908 Nicollet Avenue South Burnsville, MN 55337	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Thomas	Koehler	TGK@IBEW160.org	Local Union #160, IBEW	2909 Anthony Ln St Anthony Village, MN 55418-3238	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Michael	Krikava	mkrikava@briggs.com	Briggs And Morgan, P.A.	2200 IDS Center 80 S 8th St Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Douglas	Larson	dlarson@dakotaelectric.com	Dakota Electric Association	4300 220th St W Farmington, MN 55024	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
John	Lindell	john.lindell@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012130	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Pam	Marshall	pam@energycents.org	Energy CENTS Coalition	823 7th St E St. Paul, MN 55106	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Andrew	Moratzka	andrew.moratzka@stoel.com	Stoel Rives LLP	33 South Sixth St Ste 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
David	Niles	david.niles@avantenergy.com	Minnesota Municipal Power Agency	220 South Sixth Street Suite 1300 Minneapolis, Minnesota 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Richard	Savelkoul	rsavelkoul@martinsquires.com	Martin & Squires, P.A.	332 Minnesota Street Ste W2750 St. Paul, MN 55101	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
Ken	Smith	ken.smith@districtenergy.com	District Energy St. Paul Inc.	76 W Kellogg Blvd St. Paul, MN 55102	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Ron	Spangler, Jr.	rlspangler@otpc.com	Otter Tail Power Company	215 So. Cascade St. PO Box 496 Fergus Falls, MN 565380496	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Byron E.	Starns	byron.starns@stinson.com	Stinson Leonard Street LLP	150 South 5th Street Suite 2300 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
James M.	Strommen	jstrommen@kennedy-graven.com	Kennedy & Graven, Chartered	470 U.S. Bank Plaza 200 South Sixth Street Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Eric	Swanson	eswanson@winthrop.com	Winthrop Weinstine	225 S 6th St Ste 3500 Capella Tower Minneapolis, MN 554024629	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Lisa	Veith	lisa.veith@ci.stpaul.mn.us	City of St. Paul	400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Daniel P	Wolf	dan.wolf@state.mn.us	Public Utilities Commission	121 7th Place East Suite 350 St. Paul, MN 551012147	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric