



414 Nicollet Mall
Minneapolis, Minnesota 55401

October 1, 2018

—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 2019 RIDER FACTOR
DOCKET NO. E002/M-18-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 2019 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 bria.e.shea@xcelenergy.com or (612) 330-6064 if you have any questions regarding this filing.

Sincerely,

/s/

BRIA E. SHEA
DIRECTOR, REGULATORY & STRATEGIC ANALYSIS

Enclosure
Cc: Official Service List

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Nancy Lange	Chair
Dan Lipschultz	Commissioner
Matthew Schuerger	Commissioner
Katie J. Sieben	Commissioner
John A. Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF THE 2018 RENEWABLE
DEVELOPMENT FUND ANNUAL REPORT,
TRACKER ACCOUNT TRUE-UP, AND 2019
RATE RIDER FACTOR

DOCKET No. E002/M-18-____

PETITION

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission this Petition requesting approval of the 2019 Renewable Development Fund (RDF) rate rider factor beginning January 1, 2019 and approval of the 2018 RDF annual report.

We are requesting Commission approval of 2019 RDF rates to recover a total amount of \$41,588,284 which will increase the average residential customer's bill by approximately \$0.07 per month. As can be seen in Table 1 below, 84 percent of the 2019 costs are Renewable Development Account (RDA) costs and 16 percent are RDF costs. Consistent with the Commission's most recent RDF Order,¹ we have not included any RDF administrative costs in this 2019 rate.

¹ September 25, 2018 Order in Docket No. E002/M-17-712

Table 1: 2019 Minnesota Jurisdiction Recoverable Costs

Summary of 2019 RDF/RDA Recoverable Costs		
RDA Recoverable Costs		
Renewable Energy Production Incentives	\$ 617,989	
MMB Payment	\$ 13,754,134	
Minnesota Bonus Solar Rebate Program	\$ 1,719,463	
Solar Energy Incentive Program	\$ 3,108,414	
Benson Legislative Payment	\$ 6,500,000	
Laurentian Legislative Payment	\$ 6,800,000	
2018 RDA True-up Expenses	\$ 2,569,618	
Total RDA Disbursements	\$	35,069,618
RDF Recoverable Costs		
Energy Production Grants	\$ 1,970,873	
Research and Development Grants	\$ 3,790,008	
2018 RDF True-up Expenses	\$ 757,786	
Total RDF Disbursements	\$	6,518,667
Total 2019 RDF/RDA Expense	\$	41,588,284

In total, from 2006 to 2017, Xcel Energy customers have paid \$291,366,877 for RDF projects and expenses. And, as shown in Table 2 below, RDF/RDA program costs have generally increased since 2015 primarily due to the legislative mandates and the level of activity by RDF Cycle 4 projects.

Table 2: Annual RDF Rate Rider Comparisons (2015–2019)

2015 - 2019 Rate Rider – Summary Table					
	2015 Rider	2016 Rider	2017 Rider	2018 Rider	2019 Rider
Forecasted Costs	\$17,346,944	\$23,009,335	\$23,617,465	\$39,024,089	\$38,260,881
True-Up Adjustment	(\$120,346)	\$4,669,609	\$7,626,400	\$393,687	\$3,327,404
Balance to Recover	\$17,226,598	\$27,678,944	\$31,243,865	\$39,417,776	\$41,588,284
Rate Factor	\$0.000563	\$0.000902	\$0.001034	\$0.001318	\$0.001417

While we expect annual costs recovered through this rider will continue to fluctuate depending upon legislative programs and grant awards, during the next two years we anticipate an increase in the RDF rate factor as deferred grant and Solar*Rewards payments are recovered on top of the legislative mandates. By 2020 we anticipate the amount of recovered costs may levelize and more closely align with the annual obligation based upon the number of dry cask storage.

We appreciate the opportunity to provide this RDF Annual Report and respectfully request the Commission to approve:

- The 2019 RDF rate rider factor of \$0.001417 per kWh (to recover a total amount of \$41,588,284) beginning January 1, 2019 and
- The 2018 RDF annual report.

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 October 1, 2018. Pursuant to Minn. Stat. §216B.10, we request that the new rates reflecting recovery of the costs associated with the RDF/RDA Program be effective January 1, 2019.

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 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

Bria E. Shea
Director, Regulatory & Strategic Analysis
Xcel Energy
401 Nicollet Mall, 7th Floor
Minneapolis, MN 55401
(612) 330-6064

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:

Mara K. Ascheman
Senior Attorney
Xcel Energy
401 Nicollet Mall, 8th Floor
Minneapolis, MN 55401
mara.k.ascheman@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 2019 RDF rate rider factor of \$0.001417 per kWh to be applied to Minnesota customer energy usage beginning January 1, 2019. We are proposing to recover a total amount of \$41,588,284 consisting of 2019 RDF known and measurable expenses of \$5,760,881; 2019 RDA expenses of \$32,500,000; and 2018 under-recovery of expenses of \$3,327,404 (approximately 75 percent of the true-up expenses are related to the RDA and approximately 25 percent are related to the RDF).

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

- Historic trends;
- Forecasted expenditures submitted for cost recovery in 2019;
- Forecasted expenditures not submitted for cost recovery in 2019;
- RDF tracker account information; and
- Fund Liability and unencumbered balance.

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: 2017 Rate Rider Calculation
- Attachment 2: 2018 Rate Rider Calculation
- Attachment 3: 2019 Rate Rider Calculation
- Attachment 4: 2020 Rate Rider Calculation
- Attachments 5-9: Annual Compliance Report
- Attachment 10: RDF Projects Not Included in 2018 – 2019 Forecast
- Attachment 11: Listing and Status of RDF Projects
- Attachment 12: RDF Administrative Costs
- Attachment 13: Report of Fund Liability and Unencumbered Balance
- Attachment 14: Comparison of Minnesota State Sales Allocator Based on RDF and Fuel Clause Adjustment (FCA) Sales
- Attachment 15 Comparison of Actual RDF Rider Revenues to Revenues Calculated using FCA Sales
- Attachment 16: Footnotes for All Schedules

- Attachment 17: Proposed updates to the RDF tariff in redline and clean format (Minnesota Electric Rate Book, MPUC No. 2, Sheet No. 5-143, revision 21)

A. Background

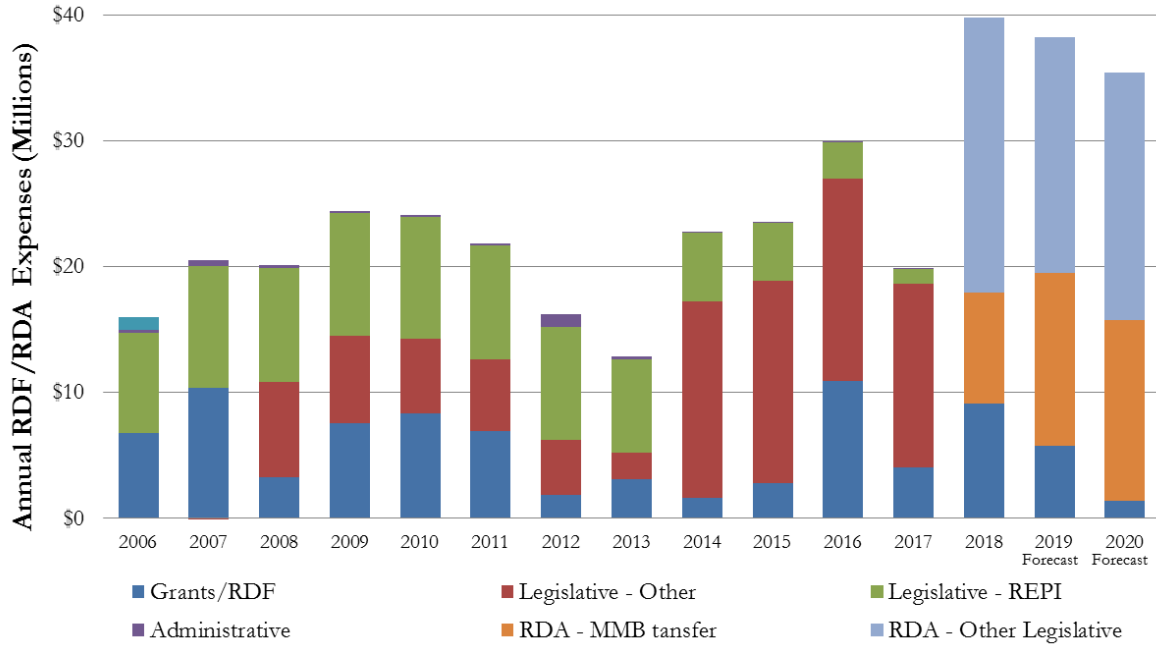
Pursuant to Minn. Stat. § 116C.779 and Commission precedent, the Company has an annual obligation to the RDA based on the number of casks stored at Prairie Island and Monticello. According to long-standing Commission precedent, the annual obligation is a liability that is deferred until the costs are actually incurred.² Pursuant to Minn. Stat. § 216B.1645 subdiv. 2, “expenses incurred by the utility over the duration of approved contract or useful life of the investment and expenditures made pursuant to section 116C.779 shall be recoverable from the ratepayers of the utility, to the extent they are not offset by utility revenues attributable to the contracts, investments, or expenditures.” Based on this statute, and the Commission precedent that followed,³ the Company does not collect RDF/RDA costs from customers through the RDF Rate Rider until certain cost recovery criteria are met. Generally this criterion requires that costs need to have been incurred or meet a high level of certainty that they will be incurred to prevent harm to the ratepayers. Specifically, the Company recovers legislative mandates expected to be paid in the subsequent year, RDF grant project payments that meet certain known and measurable criteria, and a true up of the previous years’ expenses. The remainder of credited funds remains a liability and is tracked as unencumbered or deferred payments but is not yet collected from customers.

While RDF/RDA annual costs for legislative incentive programs and grant award disbursements will fluctuate each year, the increase in dry casks at Prairie Island and Monticello will provide upward pressure to increase RDF/RDA costs. Figure 1 below demonstrates the overall RDF/RDA cost recovery trends.

² *In the Matter of the Request of Northern States Power Company d/b/a Xcel Energy for Approval of a Renewable Development Fund Oversight Process*, Docket No. E-002/M-00-1583, ORDER ADOPTING PROPOSAL FOR OVERSIGHT AND OPERATION OF RENEWABLE DEVELOPMENT FUND (Apr. 20, 2001)

³ *In the Matter of a Petition by Xcel Energy for Approval of the Company’s Renewable Development Fund Annual Report, Tracker Account True-up, and 2010 Rate Rider*, Docket No. E002/M-09-1145, ORDER APPROVING THE 2010 RENEWABLE DEVELOPMENT FUND RIDER FACTOR, REQUIRING COMPLIANCE FILINGS, AND REVISING CALCULATION OF FUTURE RIDER ADJUSTMENTS (June 2, 2010) (requiring Company and Department to create known and measurable criteria); *In the Matter of a Petition by Northern States Power d/b/a Xcel Energy for Approval of a 2011 Renewable Development Fund Rate Rider Factor*, Docket No. E002/M-10-1054, ORDER APPROVING 2011 RENEWABLE DEVELOPMENT FUND RATE RIDER (Mar. 17, 2011) (approving known and measurable criteria and approving recovery of forecasted legislative mandates).

Figure 1: Annual RDF/RDA Costs for Recovery



We note that the projection for 2019 and 2020 in Figure 1 do not yet include some RDF grant projects that have yet to meet the known and measurable criteria (see Attachment 10).

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 2019 RDF rate rider factor as those approved by the Commission in our 2010 RDF rate rider filing.⁴

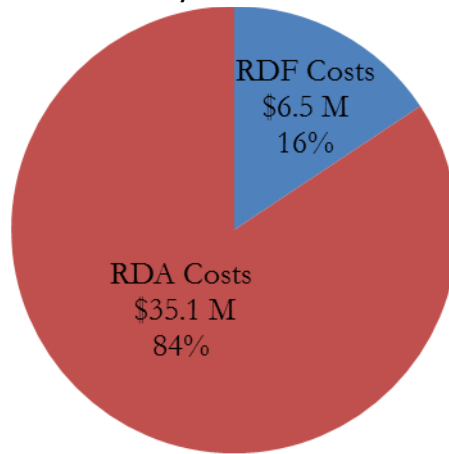
This section discusses the following four categories of expenditures for which we request cost recovery in 2019:

- (1) Payments made to fulfill Minnesota legislative mandates,
- (2) Payments made to RDF grant projects, and
- (3) True up expenses for costs under-recovered in our 2018 RDF rate rider.

In 2019 we propose to incur a total of \$41,588,284 costs for recovery. Of these costs, 84 percent are RDA costs and 16 percent are RDF costs. The breakdown of these costs is illustrated in Figure 2.

⁴ March 17, 2011 Order in Docket No. E002/M-10-1054.

Figure 2: 2019 RDF/RDA Costs for Recovery



The Commission's most recent Order⁵ directed the costs be broken down into two categories (1) the legacy RDF and (2) the new RDA.⁶ For background as to how the costs were separated into the two categories, we offer the following:

- **RDA Recoverable Costs-** The Company categorized disbursements which are the result of legislative mandates (i.e., programs or appropriations created through specific statutory language) as RDA costs. The Company categorized legislative mandates in this manner because the Commission did not have a role in creating these appropriations and the Commission's role is generally limited to approval for the recovery of costs from electric ratepayers.
- **RDF Recoverable Costs-** Disbursements to RDF grantees for projects selected for grant awards through a competitive Request for Proposal (RFP) were approved by the Commission and therefore characterized as RDF costs. The Commission had an active role in the review of the RFP, approval of awards, and approval of RDF grant contracts that determine how unencumbered funds are disbursed. These RDF grant contracts that remain in effect after the 2017 legislation continue to be administered by the Company under various Commission orders with oversight from an independent and established RDF advisory group and the Commission.

⁵ September 25, 2018 Order in Docket No. E002/M-17-712

⁶ The RDA as created by the 2017 legislation- specifically 2017 Session Laws, Chapter 94, Article 10, Section 3.

1. Minnesota Legislative Mandates

Our proposed 2019 RDF Rate Rider Factor includes \$32,500,000 for six mandated legislative initiatives that are funded through RDA disbursements as described below. The legislative initiatives consist of:

- \$617,989 for Renewable Energy Production Incentive (REPI) payments
- \$1,719,463 for the Minnesota Bonus Solar Rebate Program
- \$3,108,414 for the Solar*Rewards Program
- \$6,800,000 for the Laurentian Initiative
- \$6,500,000 for the City of Benson Initiative
- \$13,754,134 payment to the Minnesota Office of Management and Budget (MMB)

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

a. Renewable Energy Production Incentives (REPI)

The 2019 RDF tracker account includes payments in the amount of \$617,989 for the state REPI program. This program is funded in full through the RDA. This amount is based on a forecast provided by the Minnesota Department of Commerce and includes \$617,989 for hydro projects. As shown on Attachment 6, REPI payments are disbursed on a monthly basis throughout the year. The amount disbursed is variable and dependent upon the amount of power produced.

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, for biogas projects through December 31, 2015, and for hydro projects through December 31, 2021. All REPI payments for wind and biogas were completed in 2018 or prior and therefore the forecasted REPI amount relates only to hydro. Xcel Energy is in compliance with the REPI statute since the annual amounts to be included in the 2019 RDF rate rider for cost recovery are the aggregate incentive payment for qualifying 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 \$1,719,463 in Minnesota Bonus Solar Rebate Program payments forecasted to be made through December 31, 2019. This program is funded in full through the RDA. These forecasted payments are legislatively mandated. Specifically, the forecasted amount includes solar PV installations that have been completed and energized. As shown on Attachment 6, Minnesota Bonus Solar Rebate payments are disbursed on a monthly basis throughout the year. The amount disbursed is variable and dependent upon the time that installation of the qualified solar facility was completed and energized.

Minn. Stat. §116C.7791, Subd. 5. mandated 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 are estimated to be paid in 2019. The Minnesota Bonus Solar Rebate Program was offered from 2011–2014. As of March 28, 2014, this program was fully subscribed to obligate the statutory appropriation of \$21 million. Since it is fully subscribed, no new applicants have been accepted.

Applications submitted prior to March 28, 2014, have been processed and honored; therefore, current disbursements from the RDA 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. Solar Energy Incentive Program (Solar*Rewards)*

In this filing, we are proposing to recover \$3,108,414 in Solar Energy Incentive Program incentive payments forecasted for to be made through December 31, 2019. This program is funded in full through the RDA. These forecasted payments are legislatively mandated. Specifically, the forecasted amounts include solar PV installations that have been completed, energized and are producing power. As shown on Attachment 6, Solar Energy Incentive Program payments are disbursed on a monthly basis throughout the year. The amount disbursed is variable and dependent upon the amount of power produced.

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 RDA 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.⁷ The original statute specified that the program shall be operated for five consecutive calendar years commencing in 2014. The production incentive is to be paid over the course of 10 years, commencing with the system operation. In 2017, the Minnesota Legislature approved a three year extension and appropriated a total of \$60,000,000 to the Solar Energy Incentive Program also known as Solar*Rewards. The terms of the program remain the same with the production incentive to be paid over the course of 10 years, commencing with the system operation.

In 2013, Xcel Energy filed a program proposal 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.⁸ 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.

d. Laurentian Energy Authority Initiative

In this filing, we are proposing to recover \$6,800,000 for the FY2020 payment to Laurentian Energy Authority forecasted to be made July 2019, an appropriation funded in full through the RDA. This forecasted payment is legislatively mandated. As shown on Attachment 6, the Laurentian Energy Authority payment is a once-a-year, annual disbursement. The amount is a fixed amount based upon the payment schedule in Table 3. This disbursement will be the third of five \$6,800,000 annual payments to Laurentian Energy Authority.

⁷ Minn. Stat. §116C.7792 was recently revised to increase the eligible capacity for Solar*Rewards incentive to 40 kW.

⁸ Docket No. E,G002/CIP-13-1015.

Table 3: Laurentian Energy Authority Payment Summary (FY2018–FY2022)

Laurentian Energy Authority Summary of Payments (as of 10/1/2018)				
Year	Annual Payment	Funds Disbursed	Funds Remaining	Appropriation Balance
				\$34,000,000
FY2018	\$6,800,000	\$6,800,000	\$27,200,000	
FY2019	\$6,800,000	\$6,800,000	\$20,400,000	
FY2020	\$6,800,000	\$0	\$0	
FY2021	\$6,800,000	\$0	\$0	
FY2022	\$6,800,000	\$0	\$0	
Total	\$34,000,000	\$13,600,000	\$20,400,000	\$20,400,000

In 2017, the Minnesota Legislature approved an appropriation of \$34,000,000 over a five year period (fiscal years 2018-2022) from the RDA to the Laurentian Energy Authority, LLC (LEA) to assist the transition required by the termination of the power purchase agreement (PPA).

The LEA Initiative established by Minn. Stat. 116C.779 subdiv. 1(g) explains that if the Commission “approves a new or amended power purchase agreement, or the termination of a purchase power agreement . . . with an entity owned or controlled, directly or indirectly, but two municipal utilities located north of Constitutional Route No. 8, that was previously used to meet the biomass mandate” the Company shall enter into a grant contract for the above referenced amount. Cancellation of the LEA PPA was approved by the Commission on January 23, 2018 (Docket No. E-002/M-17-551) and by the North Dakota Public Service Commission (NDPSC) on June 27, 2018 (Case No. PU-17-270).

e. City of Benson Initiative

In this filing, we are proposing to recover \$6,500,000 for the FY2019 payment to the City of Benson forecasted to be made June 2019, an appropriation funded in full through the RDA. This forecasted payment is legislatively mandated. As shown on Attachment 6, the City of Benson payment is a once-a-year, annual disbursement. The amount is a fixed amount based upon the payment schedule in Table 4. This will be the second of four annual disbursements to the City of Benson.

Table 4: City of Benson Payment Summary (FY2018–FY2021)

City of Benson Summary of Payments (as of 10/1/2018)				
Year	Annual Payment	Funds Disbursed	Funds Remaining	Appropriation Balance
				\$20,000,000
FY2018	\$4,000,000	\$4,000,000	\$16,000,000	
FY2019	\$6,500,000	\$0	\$0	
FY2020	\$6,500,000	\$0	\$0	
FY2021	\$3,000,000	\$0	\$0	
Total	\$20,000,000	\$4,000,000	\$16,000,000	\$16,000,000

In 2017, the Minnesota Legislature approved an appropriation of \$20,000,000 over a four year period (fiscal years 2018-2021) from the RDA to the City of Benson for purposes of economic development.

The City of Benson Initiative established by Minn. Stat. 116C.779 subdiv. 1(f) explains that if the Commission “approves a new or amended power purchase agreement, the termination of a power purchase agreement, or the purchase and closure of a facility . . . , with an entity that uses poultry litter to generate electricity” the Company shall provide grants to the city of the purposes of economic development. Cancellation of the Fibromen PPA was approved by the Commission on January 23, 2018 (Docket No. E-002/M-17-530) and by the NDPSC on June 27, 2018 (Case No. PU-17-270).

f. MMB Transfer of Unencumbered Funds

In 2017, the Minnesota Legislature approved that beginning January 15, 2018 any unspent funds are to be transferred to the Minnesota Management and Budget (MMB) account. In this filing, we are proposing to recover \$13,754,134 for a payment forecasted to be made within 2019, an initiative funded in full through the RDA. This forecasted payment is legislatively mandated. As shown on Attachment 6, the MMB payment is a once-a-year, annual disbursement. The amount disbursed is variable and dependent upon the annual obligation for the storage of dry casks located at the Prairie Island power plant and the Monticello nuclear power plant less the amount necessary to pay its obligations for legislative payments, including the Solar*Rewards withholding described above.⁹ The amount withheld for 2019 does not include the

⁹ Pursuant to 2017 Session Law, Chapter 94, Article 10, Section 3, subdiv 1(c,d), “beginning January 15, 2018, and continuing each January 15 thereafter, [Xcel Energy] must transfer to the RDA \$500,000 each year for each dry cask containing spent fuel that is located at the Prairie Island power plant for each year the plant is in operation, and \$7,500,000 each year the plant is not in operation. . . beginning January 15, 2018, and continuing each January 15

amount necessary for RDF grant disbursements since this obligation will be funded by the deferred balance of the renewable development account and recovered from customers when the expenditures meet the known and measureable criteria. This transfer monetizes new unencumbered funds which are eligible to be recovered.

As described in the background section above, the 2017 legislative changes to Minn. Stat. § 116C.779, subdiv. 1(b)-(d) require the Company to transfer to “the renewable development account” managed by MMB the annual obligation for the storage of dry casks located at the Prairie Island power plant and the Monticello nuclear power plant less the amount necessary to pay its obligations for legislative payments. In 2019, our obligation for the storage of dry casks located at Prairie Island and Monticello is \$32,500,000. If one were to subtract the amount of the 2019 legislative mandates described above, including the Solar*Rewards withholding from the Company’s total obligation, it equals the \$13,754,134 the Company must transfer to the MMB pursuant to the 2017 legislative changes.

2. RDF Grant Project Payments

The total of RDF grant project expenses incurred in 2019 is \$6,169,032, which includes \$5,760,881 of Minnesota jurisdictional expenses for recovery as part of our 2019 known and measurable costs and \$408,151 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 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:

thereafter, [Xcel Energy] must transfer to the RDA \$350,000 each year for each dry cask containing spent fuel that is located at the Monticello nuclear power plant for each year the plant is in operation, and \$5,250,000 each year the plant is not in operation.”

- 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. 2018 True-up Expenses

As authorized by the 2011 Order, we have included \$3,327,404 of RDF project payments not recovered in 2018 as part of the 2019 RDF rate rider factor. These true-up expenses were calculated as follows:

Revenue

<u>Electric Sales</u>	<u>\$33,420,143</u>
Total:	33,420,143

Expenses

RDA Expenses

MMB Transfer	8,817,885
<u>Legislative Mandates</u>	<u>21,918,621</u>
Total RDA Expenses	\$30,736,506

RDF Expenses

Grant Disbursements	9,064,260
<u>RDF Administration</u>	<u>\$0</u>
Total RDF Expenses	\$9,064,260

<u>2017 True-up Expenses</u>	<u>(\$3,053,218)</u>
Total Expenses:	\$36,747,547

2018 True Up	\$3,327,404
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C. Expenditures Not Submitted for Cost Recovery

This section discusses costs that we have not included in our 2019 cost recovery request. Though many of these costs could be incurred in 2019 and thus may contribute to our under recovery of RDF expenses, we will true up any of these

under-recovered costs in our 2020 RDF Rate Rider request, in accordance with the Commission's March 17 Order and our previous filings.

1. RDF Grant Project Payments

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

There are \$620,000 of forecasted project payments that do not meet the known and measurable criteria and are therefore not included in our 2019 cost recovery request. These payments have been itemized on Attachment 10. If these costs are paid in 2019, the potential for under recovery of RDF expenses is increased.

The \$620,000 of forecasted payments includes one Cycle 1 RDF energy production project, two Cycle 4 RDF energy production projects, and one Cycle 3 RDF research project. The three energy production projects are:

- Crown Hydro (AH-01)¹⁰
- Bergey Windpower (EP4-24)
- Region 5 Development Commission (EP4-44)

The one research project is:

- Coaltec (RD3-77)

All Cycle 4 projects¹¹ have negotiated and executed RDF grant contracts approved by the Commission. There are no grant awards that are pending approval of a grant contract from the Commission.

Two of these contracts will not move forward and therefore no grant disbursements will be made in 2019. The Commission directed the Company to terminate the RDF grant contract with Crown Hydro, but as of the date of this filing the Company is awaiting the Commission's written order. Also, Xcel Energy and Coaltec have executed a grant contract amendment that would allow reporting of the lessons learned and research findings that had been obtained to date, eliminate the last two

¹⁰ As of the date of this filing, the Company has not yet received the Commission Order in Docket No. E002/M-17-712 directing the Company to terminate the Crown Hydro RDF grant contract. Once that Order is received, the Company will no longer forecast payments in 2019 to Crown Hydro.

¹¹ 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.

milestones and payment for them, and bring the project to closure. The Commission approved this amendment via consent agenda on September 11, 2018.¹²

It is possible milestones may be completed for the remaining two of these four RDF grant contracts, Bergey Windpower and Region Five Development Commission, in 2019 and some grant payments will be disbursed in 2019. We will request cost recovery for any disbursements made to these RDF projects during the next twelve months in our October 1, 2020 RDF Rate Rider filing. See Attachments 6, 8 and 9 for details regarding these forecasted payments to Cycle 1, Cycle 3 and Cycle 4 projects in 2018 and 2019. See Attachment 10 for details regarding forecasted payments that do not meet the known and measurable criteria for recovery in 2019.

2. RDF/RDA Administrative Expenses

The total of RDF base level administrative expenses in 2019 is \$0.00. No RDF/RDA administration costs have been included for recovery in 2019. In 2017 the statutory basis for Xcel Energy to manage the RDF was removed by legislation and administration of the RDA was assigned to the Commissioner of Management and Budget. When considering the prudence of the 2018 RDF Rate Rider Factor, the Commissioners determined that 2017 Legislative changes disallowed recovery of administrative costs.¹³ Therefore, the Company is not requesting recovery from Minnesota electric customers for any RDF administrative costs in 2019.

D. RDF Tracker Account Information

The RDF tracker account is the mechanism used for RDF/RDA 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.

¹²September 11, 2018 Order in Docket No. E002/M-07-675.

¹³September 25, 2018 Order in Docket No. E002/M-17-712 (disallowance of RDF/RDA administrative costs).

Attachments 1 and 2 provide RDF/RDA actual expenditures and receipts and the true-up report for calendar years 2017 and 2018, respectively, including actual costs and revenues through August 2018.

1. 2019–2020 RDF/RDA Expenditures and RDF Rate Rider Factor

After adjusting for the 2018 under-recovery of \$3,327,404, we propose to recover RDF/RDA expenditures of \$41,588,284 in 2019, as detailed on Attachment 3. In order to recover 2019 RDF/RDA expenses, we propose a 2019 RDF Rate Rider Factor of \$0.001417 per kWh. In accordance with the RDF Rate Rider tariff, we will collect these costs through an adjustment applied to customers' energy usage.

We estimate, for informational purposes only, that 2020 RDF/RDA expenditures will be \$35,430,486, as detailed on Attachment 4. We are also estimating, for informational purposes only, that the 2020 RDF Rate Rider Factor will be \$0.001204 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. The inclusion of these additional costs will effectively increase the 2020 RDF Rate Rider Factor.

2. RDF Off-Setting Revenue

Minn. Stat. §216B.1645, Subd. 2a. specifies that RDF/RDA 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.

3. Administrative Cost Allocation

The 2017 Legislation eliminates the recovery of administrative costs and the Commission disallowed recovery of administrative costs in the 2018 RDF Rate Rider. Therefore, we have not included administrative costs in the 2019 RDF Rate Rider. This means that the administrative cost allocation and cap on administrative expenses was not a factor in calculation of the 2018 and 2019 RDF rate rider factors.

We provide compliance on the administrative expense-related Order Points in this petition below for informational purposes, but do not plan to provide this information in future RDF Rate Rider filings unless directed otherwise.

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 was reasonable since the Company is now operating under the fourth RDF cycle.

For this filing, 47.36 percent of RDF Program administrative costs have been assigned to energy production projects and the remaining 52.64 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, 2017 and 2018 RDF rate rider petitions (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 5 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 5: Calculation of the Administrative Cost Allocation

	Amount	% of Total
Total Cycle 4 EP Grants	\$18,738,922	47.36%
Total Cycle 4 R&D/High Ed Grants	\$20,826,026	52.64%
Total Cycle 4 Grant Awards	\$39,564,948	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 2019 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 12 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 2017–August 2018, and forecast monthly sales are used

for the calculation of the allocator for September 2018–December 2019. 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 2019 RDF Rate Rider calculation is included in Attachment 3.

The Minnesota State sales allocator used in the 2019 RDF Rider filing is different from the actual Minnesota State sales allocator used in the Company’s Fuel Clause Adjustment (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 14 for a comparison of the Minnesota State Sales Allocator for RDF and FCA sales.

Using Total NSPM Electric sales to allocate RDF/RDA costs to Minnesota State was supported in the Commission’s Final Order on the Company’s 2011 RDF Rate 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

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, 2017 Xcel Energy has incurred a total liability of \$326,950,000 for funding the RDF. A total of \$277,860,709 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 \$291,366,877 from electric ratepayers for RDF expenses. As of December 31, 2017 the RDF had an unencumbered cumulative balance of \$23,267,840.

Table 6: RDF Liabilities and Obligations

RDF Program Summary	
Category	Amount as of December 31, 2017
The total liability the Company has incurred under Minn. Stat. §116.799	\$326,950,000
The Company's aggregate payments for approved renewable development projects and legislative mandates	\$277,860,709
The total amount recovered through the fuel clause adjustment mechanism and RDF rate rider factor for RDF costs	\$12,202,440 (Fuel Clause) ¹⁴ \$279,164,437 (RDF Rate Rider) \$291,366,877 (Total Recovered)
The unencumbered cumulative balance remaining in the fund	\$23,267,840 ¹⁵

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 projects¹⁶ that are used by the Company to satisfy the solar standard. Consequently, customers who have requested SES cost exemption and been approved will be excluded from or credited these costs in the RDF rate rider adjustment. The refunded costs will then be included for recovery in the subsequent RDF rate rider adjustment. Currently, two customers have received approval for exemption from the SES costs in the RDF rate rider effective June 1, 2017. The process for calculating, excluding, and recovering the SES costs in the RDF rate rider for customers approved for SES cost exemption was approved by Order January 1, 2018 in Docket No. E-002/M-17-425. The first refunds of 2017 SES related RDF/RDA costs were credited to the two exempt customers in March 2018 totaling \$77,123 (for the six months June 2017-December 2017).¹⁷ These refunded costs will be included in the present docket's 2018 costs as a separate line item.

¹⁴ RDF expenses were initially recovered through the fuel clause before the Commission decided to set up a specific RDF Rate Rider.

¹⁵ As it customarily does, this table provides information as of the last fill calendar year (in this case, December 31, 2017).

¹⁶ 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.

¹⁷ Docket No. E002/M-17-425

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 rider 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 \$0.001318 per kWh to \$0.001417 per kWh. Visit xcelenergy.com/rdf to find more on Xcel Energy's renewable energy development programs.

This proposed notice language is similar 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 rider adjustment to increase Xcel Energy's 2019 revenues by \$8,168,141 compared to 2018. This assumes 2018 revenues will total \$33,420,143 and 2019 revenues will total \$41,588,284. Any over-recovery or under-recovery of 2019 actual costs will be identified in the RDF tracker account and reflected in the 2020 RDF rate rider adjustment.

CONCLUSION

We respectfully request approval from the Commission to change the RDF Rate Rider Factor from \$0.001318 per kWh to \$0.001417 per kWh effective January 1, 2019. 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: October 1, 2018

Northern States Power Company

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Nancy Lange	Chair
Dan Lipschultz	Commissioner
Matthew Schuerger	Commissioner
Katie J. Sieben	Commissioner
John Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF THE 2017 RENEWABLE
DEVELOPMENT FUND ANNUAL REPORT,
TRACKER ACCOUNT TRUE-UP, AND 2018
RATE RIDER FACTOR

DOCKET NO. E002/M-18-_____

PETITION

SUMMARY OF FILING

Please take notice that on October 1, 2018 Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission a Petition requesting approval of the 2019 Renewable Development Fund (RDF) rate rider factor beginning January 1, 2019 and approval of the 2018 RDF annual report.

**2019 RDF Rate Rider Petition
Attachment List**

Attachment	Description
Attachment 1	2017 RDF Rider Calculation
Attachment 2	2018 RDF Rider Calculation
Attachment 3	2019 RDF Rider Calculation
Attachment 4	2020 RDF Rider Calculation
Attachment 5	Annual Compliance Report-Forecast
Attachment 6	Annual Compliance Report-Cycle 1 Projects Actuals through August 2018, Forecast through December 2020
Attachment 7	Annual Compliance Report-Cycle 2 Projects Actuals through August 2018, Forecast through December 2020
Attachment 8	Annual Compliance Report-Cycle 3 Projects Actuals through August 2018, Forecast through December 2020
Attachment 9	Annual Compliance Report-Cycle 4 Projects Actuals through August 2018, Forecast through December 2020
Attachment 10	RDF Previous Cycle Projects Not Included in 2018-2019 Forecast
Attachment 11	Listing and Status of RDF Projects
Attachment 12	RDF Administrative Costs
Attachment 13	Report of Fund Liability and Unencumbered Balance
Attachment 14	Comparison of MN State Sales Allocator Based on RDF and FCA Sales
Attachment 15	Comparison of Actual RDF Rate Rider Revenues to Revenues Calculated using FCA Sales
Attachment 16	Footnotes for All Schedules
Attachment 17	Proposed Tariff Sheet

RENEWABLE DEVELOPMENT FUND

2017 Rider Calculation

State of Minnesota Recovery

2017 RDF Expenses

	Actual Jan 2017	Actual Feb 2017	Actual Mar 2017	Actual Apr 2017	Actual May 2017	Actual Jun 2017	Actual Jul 2017	Actual Aug 2017	Actual Sep 2017	Actual Oct 2017	Actual Nov 2017	Actual Dec 2017	Total
RDF EXPENSES													
Category A Projects - EP	\$ 55,575	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 525,162	\$ -	\$ -	\$ -	\$ 1,964,543	\$ 2,545,280
Category B Projects - R&D and HE	\$ 78,088	\$ -	\$ -	\$ 118,614	\$ 361,741	\$ -	\$ -	\$ 34,518	\$ 1,000,000	\$ 103,029	\$ 131,023	\$ 93,075	\$ 1,920,089
Total Admin Costs	\$ 14	\$ 485	\$ -	\$ -	\$ 150	\$ 979	\$ 2,363	\$ 13,285	\$ -	\$ (225)	\$ -	\$ -	\$ 17,051
Total RDF Expenses	\$ 133,677	\$ 485	\$ -	\$ 118,614	\$ 361,891	\$ 979	\$ 2,363	\$ 572,965	\$ 1,000,000	\$ 102,804	\$ 131,023	\$ 2,057,618	\$ 4,482,420
RDA EXPENSES													
MMB	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Legis Mandates	\$ 282,941	\$ 190,510	\$ 11,967,036	\$ 428,511	\$ 18,308	\$ 109,018	\$ 397,237	\$ 19,710	\$ 706,794	\$ 245,007	\$ 92,733	\$ 152,873	\$ 14,610,677
REPI	\$ 119,103	\$ 109,070	\$ 69,349	\$ 291,793	\$ 79,825	\$ 90,984	\$ 73,018	\$ 80,471	\$ 62,862	\$ 86,243	\$ 83,447	\$ 23,140	\$ 1,169,306
Total RDA Expenses	\$ 402,044	\$ 299,580	\$ 12,036,385	\$ 720,305	\$ 98,132	\$ 200,002	\$ 470,255	\$ 100,181	\$ 769,656	\$ 331,250	\$ 176,180	\$ 176,013	\$ 15,779,983
Total RDF Expense	\$ 535,721	\$ 300,065	\$ 12,036,385	\$ 838,919	\$ 460,024	\$ 200,981	\$ 472,619	\$ 673,146	\$ 1,769,656	\$ 434,055	\$ 307,203	\$ 2,233,631	\$ 20,262,403

MN State Sales Allocator	83.3581%	83.2135%	83.1702%	82.8570%	83.3007%	84.2213%	84.7888%	83.7874%	84.1942%	83.1337%	82.8834%	82.7554%	
MN Administrative Cost Allocator	92.1180%	92.0495%	92.0290%	91.8712%	92.0908%	92.5268%	92.7956%	92.3213%	92.5140%	92.0117%	91.8932%	91.8325%	

2017 RDF Rider Recovery

	Actual Jan 2017	Actual Feb 2017	Actual Mar 2017	Actual Apr 2017	Actual May 2017	Actual Jun 2017	Actual Jul 2017	Actual Aug 2017	Actual Sep 2017	Actual Oct 2017	Actual Nov 2017	Actual Dec 2017	Total
RDF EXPENSES													
Category A Projects - EP	\$ 46,326	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 440,020	\$ -	\$ -	\$ -	\$ 1,625,765	\$ 2,112,111
Category B Projects - R&D and HE	\$ 78,088	\$ -	\$ -	\$ 118,614	\$ 361,741	\$ -	\$ -	\$ 34,518	\$ 1,000,000	\$ 103,029	\$ 131,023	\$ 93,075	\$ 1,920,089
Administrative Costs (1)	\$ 13	\$ 446	\$ -	\$ -	\$ 138	\$ 906	\$ 2,193	\$ 12,265	\$ -	\$ (207)	\$ -	\$ -	\$ 15,754
Total RDF Expenses	\$ 124,427	\$ 446	\$ -	\$ 118,614	\$ 361,880	\$ 906	\$ 2,193	\$ 486,802	\$ 1,000,000	\$ 102,822	\$ 131,023	\$ 1,718,841	\$ 4,047,954
RDA EXPENSES													
MMB	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Legis Mandates	\$ 282,941	\$ 190,510	\$ 11,967,036	\$ 428,511	\$ 18,308	\$ 109,018	\$ 397,237	\$ 19,710	\$ 706,794	\$ 245,007	\$ 92,733	\$ 152,873	\$ 14,610,677
REPI	\$ 119,103	\$ 109,070	\$ 69,349	\$ 291,793	\$ 79,825	\$ 90,984	\$ 73,018	\$ 80,471	\$ 62,862	\$ 86,243	\$ 83,447	\$ 23,140	\$ 1,169,306
Total RDA Expenses	\$ 402,044	\$ 299,580	\$ 12,036,385	\$ 720,305	\$ 98,132	\$ 200,002	\$ 470,255	\$ 100,181	\$ 769,656	\$ 331,250	\$ 176,180	\$ 176,013	\$ 15,779,983
Interdepartmental Revenue Refund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Expense Recovery	\$ 526,471	\$ 300,026	\$ 12,036,385	\$ 838,919	\$ 460,012	\$ 200,908	\$ 472,448	\$ 586,983	\$ 1,769,656	\$ 434,073	\$ 307,203	\$ 1,894,853	\$ 19,827,937

Total 2017 RDF Expense Recovery	\$ 19,827,937
2016 True-up Amount to be Included in the Calculation of the 2017 RDF Rider	\$ 7,578,800
Total Amount to be Recovered Through the 2017 Rider	\$ 27,406,737

2017 RDF Rider Calculation

	Actual Jan 2017	Actual Feb 2017	Actual Mar 2017	Actual Apr 2017	Actual May 2017	Actual Jun 2017	Actual Jul 2017	Actual Aug 2017	Actual Sep 2017	Actual Oct 2017	Actual Nov 2017	Actual Dec 2017	Total
2017 MN Calendar Month kWh Sales	2,574,621,575	2,180,163,923	2,427,018,393	2,134,118,606	2,328,988,073	2,662,672,590	2,928,623,311	2,673,790,349	2,618,866,121	2,336,054,545	2,328,725,476	2,553,136,220	29,746,779,182
2017 Minnesota RDF Rider Factor	\$ 0.001034												

2017 RDF Tracker Calculation

	Actual Jan 2017	Actual Feb 2017	Actual Mar 2017	Actual Apr 2017	Actual May 2017	Actual Jun 2017	Actual Jul 2017	Actual Aug 2017	Actual Sep 2017	Actual Oct 2017	Actual Nov 2017	Actual Dec 2017	Total
Previous Year True-Up	\$ 7,578,800												\$ 7,578,800
Actual Expenses	\$ 526,471	\$ 300,026	\$ 12,036,385	\$ 838,919	\$ 460,012	\$ 200,908	\$ 472,448	\$ 586,983	\$ 1,769,656	\$ 434,073	\$ 307,203	\$ 1,894,853	\$ 19,827,937
Actual Retail Rider Revenues	\$ 2,656,591	\$ 2,324,468	\$ 2,605,033	\$ 2,190,291	\$ 2,344,904	\$ 2,651,406	\$ 2,794,394	\$ 2,979,242	\$ 2,576,009	\$ 2,593,815	\$ 2,285,264	\$ 2,458,540	\$ 30,459,955
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 5,448,680	\$ (2,024,441)	\$ 9,431,352	\$ (1,351,372)	\$ (1,884,892)	\$ (2,450,498)	\$ (2,321,946)	\$ (2,392,259)	\$ (806,353)	\$ (2,159,743)	\$ (1,978,061)	\$ (563,686)	\$ (3,053,218)

2017 RDF Rider True-Up **\$ (3,053,218)**

See Attachment 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
2018 Rider Calculation
 State of Minnesota Recovery

2018 RDF Expenses

	Actual Jan 2018	Actual Feb 2018	Actual Mar 2018	Actual Apr 2018	Actual May 2018	Actual Jun 2018	Actual Jul 2018	Actual Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 969,741	\$ -	\$ 1,650,000	\$ -	\$ -	\$ 2,619,741
Category B Projects - R&D and HE	\$ -	\$ -	\$ 2,106,514	\$ 521,162	\$ 410,344	\$ 969,486	\$ 146,474	\$ -	\$ 1,452,074	\$ 799,213	\$ 71,411	\$ 404,224	\$ 6,880,902
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ -	\$ -	\$ 2,106,514	\$ 521,162	\$ 410,344	\$ 969,486	\$ 146,474	\$ 969,741	\$ 1,452,074	\$ 2,449,213	\$ 71,411	\$ 404,224	\$ 9,500,643
RDA EXPENSES													
MMB	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885
Other Legis Mandates	\$ 519,273	\$ 103,760	\$ 185,188	\$ 344,312	\$ 11,621	\$ 14,710,975	\$ 4,316,315	\$ 26,773	\$ 329,056	\$ 188,154	\$ 137,952	\$ 165,276	\$ 21,038,655
REPI	\$ 61,557	\$ 64,817	\$ 74,731	\$ 53,956	\$ 135,592	\$ 46,297	\$ 60,587	\$ 64,833	\$ 79,399	\$ 79,399	\$ 79,399	\$ 79,399	\$ 879,965
Total RDA Expenses	\$ 9,398,715	\$ 168,577	\$ 259,920	\$ 398,268	\$ 147,213	\$ 14,757,273	\$ 4,376,902	\$ 91,606	\$ 408,455	\$ 267,553	\$ 217,351	\$ 244,675	\$ 30,736,506
Total RDF Expense	\$ 9,398,715	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 1,061,347	\$ 1,860,529	\$ 2,716,766	\$ 288,762	\$ 648,899	\$ 40,237,149

MN State Sales Allocator	82.6628%	82.8078%	82.8004%	83.1669%	83.5554%	84.1348%	84.4397%	84.0401%	83.5231%	82.9325%	82.7368%	82.6713%	
MN Administrative Cost Allocator	91.7887%	91.8574%	91.8539%	92.0274%	92.2114%	92.4859%	92.6303%	92.4410%	92.1961%	91.9164%	91.8237%	91.7927%	

2018 RDF Rider Recovery

	Actual Jan 2018	Actual Feb 2018	Actual Mar 2018	Actual Apr 2018	Actual May 2018	Actual Jun 2018	Actual Jul 2018	Actual Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 814,971	\$ -	\$ 1,368,386	\$ -	\$ -	\$ 2,183,358
Category B Projects - R&D and HE	\$ -	\$ -	\$ 2,106,514	\$ 521,162	\$ 410,344	\$ 969,486	\$ 146,474	\$ -	\$ 1,452,074	\$ 799,213	\$ 71,411	\$ 404,224	\$ 6,880,902
Administrative Costs (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ -	\$ -	\$ 2,106,514	\$ 521,162	\$ 410,344	\$ 969,486	\$ 146,474	\$ 814,971	\$ 1,452,074	\$ 2,167,599	\$ 71,411	\$ 404,224	\$ 9,064,260
RDA EXPENSES													
MMB	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885
Other Legis Mandates	\$ 519,273	\$ 103,760	\$ 185,188	\$ 344,312	\$ 11,621	\$ 14,710,975	\$ 4,316,315	\$ 26,773	\$ 329,056	\$ 188,154	\$ 137,952	\$ 165,276	\$ 21,038,655
REPI	\$ 61,557	\$ 64,817	\$ 74,731	\$ 53,956	\$ 135,592	\$ 46,297	\$ 60,587	\$ 64,833	\$ 79,399	\$ 79,399	\$ 79,399	\$ 79,399	\$ 879,965
Total RDA Expenses	\$ 9,398,715	\$ 168,577	\$ 259,920	\$ 398,268	\$ 147,213	\$ 14,757,273	\$ 4,376,902	\$ 91,606	\$ 408,455	\$ 267,553	\$ 217,351	\$ 244,675	\$ 30,736,506
Expense Recovery	\$ 9,398,715	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 906,577	\$ 1,860,529	\$ 2,435,152	\$ 288,762	\$ 648,899	\$ 39,800,765

Total 2018 RDF Expense Recovery	\$ 39,800,765
2017 True-up Amount to be Included in the Calculation of the 2018 RDF Rider	\$ (3,053,218)
Total Amount to be Recovered Through the 2018 Rider	\$ 36,747,547

2018 RDF Rider Calculation

	Actual Jan 2018	Actual Feb 2018	Actual Mar 2018	Actual Apr 2018	Actual May 2018	Actual Jun 2018	Actual Jul 2018	Actual Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
2018 MN Calendar Month kWh Sales	2,593,495,133	2,239,832,871	2,435,318,204	2,213,114,144	2,485,230,598	2,813,616,702	2,974,636,504	3,021,236,185	2,419,598,555	2,318,311,333	2,280,922,229	2,486,719,302	30,282,031,761
2018 Minnesota RDF Rider Factor													\$ 0.001034
													Oct.1-Dec.31, 201 \$ 0.001318

2018 RDF Tracker Calculation

	Actual Jan 2018	Actual Feb 2018	Actual Mar 2018	Actual Apr 2018	Actual May 2018	Actual Jun 2018	Actual Jul 2018	Actual Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Total
Previous Year True-Up	\$ (3,053,218)												\$ (3,053,218)
Actual Expenses	\$ 9,398,715	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 906,577	\$ 1,860,529	\$ 2,435,152	\$ 288,762	\$ 648,899	\$ 39,800,765
Actual Retail Rider Revenues	\$ 2,934,832	\$ 2,446,721	\$ 2,597,576	\$ 2,337,973	\$ 2,382,259	\$ 2,716,723	\$ 3,060,348	\$ 3,101,917	\$ 2,502,509	\$ 3,055,534	\$ 3,006,255	\$ 3,277,496	\$ 33,420,143
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 3,410,665	\$ (2,278,144)	\$ (231,143)	\$ (1,418,543)	\$ (1,824,702)	\$ 13,010,036	\$ 1,463,029	\$ (2,195,340)	\$ (641,980)	\$ (620,382)	\$ (2,717,494)	\$ (2,628,597)	\$ 3,327,404

2018 RDF Rider True-Up **\$ 3,327,404**

RENEWABLE DEVELOPMENT FUND
2019 Rider Calculation
 State of Minnesota Recovery

2019 RDF Expenses

	Forecast Jan 2019	Forecast Feb 2019	Forecast Mar 2019	Forecast Apr 2019	Forecast May 2019	Forecast Jun 2019	Forecast Jul 2019	Forecast Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
RDF EXPENSES													
Category A Projects - EP	\$ 917,250	\$ 239,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 610,890	\$ -	\$ -	\$ 610,890	\$ 2,379,024
Category B Projects - R&D and HE	\$ 133,166	\$ 640,657	\$ 45,146	\$ 202,260	\$ 408,049	\$ 317,629	\$ 201,167	\$ 243,379	\$ 118,022	\$ 1,201,389	\$ 220,515	\$ 58,629	\$ 3,790,008
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 1,050,416	\$ 880,651	\$ 45,146	\$ 202,260	\$ 408,049	\$ 317,629	\$ 201,167	\$ 243,379	\$ 728,912	\$ 1,201,389	\$ 220,515	\$ 669,519	\$ 6,169,032
RDA EXPENSES													
MMB	\$ 13,754,134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,754,134
Other Legis Mandates	\$ 3,132,094	\$ 253,760	\$ 194,443	\$ 187,545	\$ 173,204	\$ 6,677,993	\$ 7,041,021	\$ 240,983	\$ 198,377	\$ 847	\$ 11,847	\$ 15,763	\$ 18,127,877
REPI	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 617,989
Total RDA Expenses	\$ 16,937,727	\$ 305,259	\$ 245,942	\$ 239,044	\$ 224,703	\$ 6,729,492	\$ 7,092,520	\$ 292,482	\$ 249,876	\$ 52,346	\$ 63,346	\$ 67,262	\$ 32,500,000
Total RDF/RDA Expense	\$ 17,988,143	\$ 1,185,910	\$ 291,088	\$ 441,304	\$ 632,752	\$ 7,047,121	\$ 7,293,687	\$ 535,861	\$ 978,788	\$ 1,253,735	\$ 283,861	\$ 736,781	\$ 38,669,032

MN State Sales Allocator	82.5633%	82.6487%	82.8941%	82.5676%	82.8665%	83.6422%	84.1587%	83.9321%	83.5003%	82.9001%	82.7174%	82.6849%	
MN Administrative Cost Allocator	91.7416%	91.7820%	91.8982%	91.7436%	91.8852%	92.2525%	92.4972%	92.3899%	92.1853%	91.9011%	91.8145%	91.7991%	

2019 RDF Rider Recovery

	Forecast Jan 2019	Forecast Feb 2019	Forecast Mar 2019	Forecast Apr 2019	Forecast May 2019	Forecast Jun 2019	Forecast Jul 2019	Forecast Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
RDF EXPENSES													
Category A Projects - EP	\$ 757,312	\$ 198,352	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,095	\$ -	\$ -	\$ 505,114	\$ 1,970,873
Category B Projects - R&D and HE	\$ 133,166	\$ 640,657	\$ 45,146	\$ 202,260	\$ 408,049	\$ 317,629	\$ 201,167	\$ 243,379	\$ 118,022	\$ 1,201,389	\$ 220,515	\$ 58,629	\$ 3,790,008
Administrative Costs (I)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 890,478	\$ 839,009	\$ 45,146	\$ 202,260	\$ 408,049	\$ 317,629	\$ 201,167	\$ 243,379	\$ 628,117	\$ 1,201,389	\$ 220,515	\$ 563,743	\$ 5,760,881
RDA EXPENSES													
MMB	\$ 13,754,134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,754,134
Other Legis Mandates	\$ 3,132,094	\$ 253,760	\$ 194,443	\$ 187,545	\$ 173,204	\$ 6,677,993	\$ 7,041,021	\$ 240,983	\$ 198,377	\$ 847	\$ 11,847	\$ 15,763	\$ 18,127,877
REPI	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 51,499	\$ 617,989
Total RDA Expenses	\$ 16,937,727	\$ 305,259	\$ 245,942	\$ 239,044	\$ 224,703	\$ 6,729,492	\$ 7,092,520	\$ 292,482	\$ 249,876	\$ 52,346	\$ 63,346	\$ 67,262	\$ 32,500,000
Expense Recovery	\$ 17,828,205	\$ 1,144,268	\$ 291,088	\$ 441,304	\$ 632,752	\$ 7,047,121	\$ 7,293,687	\$ 535,861	\$ 877,993	\$ 1,253,735	\$ 283,861	\$ 631,005	\$ 38,260,881

RDF	757,786	018	True-up Amount to be Included in the Calculation of the 2019 RDF Rider	\$ 38,260,881
RDA	2,569,618		Total Amount to be Recovered Through the 2019 Rider	\$ 3,327,404
				\$ 41,588,284

2019 RDF Rider Calculation

	Forecast Jan 2019	Forecast Feb 2019	Forecast Mar 2019	Forecast Apr 2019	Forecast May 2019	Forecast Jun 2019	Forecast Jul 2019	Forecast Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
2019 MN Calendar Month kWh Sales	2,543,345,698	2,195,749,871	2,369,869,988	2,095,033,334	2,300,657,092	2,580,942,270	2,880,368,898	2,868,816,792	2,421,185,731	2,318,555,837	2,281,509,402	2,496,880,982	29,352,915,894
2019 Minnesota RDF Rider Factor													\$ 0.001417

2019 RDF Tracker Calculation

	Forecast Jan 2019	Forecast Feb 2019	Forecast Mar 2019	Forecast Apr 2019	Forecast May 2019	Forecast Jun 2019	Forecast Jul 2019	Forecast Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
Previous Year True-Up	\$ 3,327,404												\$ 3,327,404
Actual Expenses	\$ 17,828,205	\$ 1,144,268	\$ 291,088	\$ 441,304	\$ 632,752	\$ 7,047,121	\$ 7,293,687	\$ 535,861	\$ 877,993	\$ 1,253,735	\$ 283,861	\$ 631,005	\$ 38,260,881
Actual Retail Rider Revenues	\$ 3,603,505	\$ 3,111,019	\$ 3,357,718	\$ 2,968,320	\$ 3,259,655	\$ 3,656,773	\$ 4,081,012	\$ 4,064,645	\$ 3,430,424	\$ 3,285,015	\$ 3,232,526	\$ 3,537,672	\$ 41,588,284
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 17,552,104	\$ (1,966,751)	\$ (3,066,630)	\$ (2,527,016)	\$ (2,626,903)	\$ 3,390,348	\$ 3,212,675	\$ (3,528,783)	\$ (2,552,431)	\$ (2,031,280)	\$ (2,948,665)	\$ (2,906,667)	\$ -

2019 RDF Rider True-Up \$ -

RENEWABLE DEVELOPMENT FUND
2020 Rider Calculation
 State of Minnesota Recovery

2020 RDF Expenses

	Forecast Jan 2020	Forecast Feb 2020	Forecast Mar 2020	Forecast Apr 2020	Forecast May 2020	Forecast Jun 2020	Forecast Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	Total 2020
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,320	\$ 61,320
Category B Projects - R&D	\$ 631,581	\$ 160,000	\$ 48,257	\$ 29,999	\$ 154,107	\$ -	\$ 94,897	\$ 100,000	\$ -	\$ -	\$ 160,933	\$ -	\$ 1,379,774
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 631,581	\$ 160,000	\$ 48,257	\$ 29,999	\$ 154,107	\$ -	\$ 94,897	\$ 100,000	\$ -	\$ -	\$ 160,933	\$ 61,320	\$ 1,441,094
RDA EXPENSES													
MMB	\$ 14,296,276	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,296,276
Other Legis Mandates	\$ 5,785,759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,085,759
REPI	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 617,965
Total RDA Expenses	\$ 20,133,532	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 13,351,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 34,000,000
													\$ -
Total RDF/RDA Expense	\$ 20,765,113	\$ 211,497	\$ 99,754	\$ 81,496	\$ 205,604	\$ 51,497	\$ 13,446,394	\$ 151,497	\$ 51,497	\$ 51,497	\$ 212,430	\$ 112,817	\$ 35,441,094

MN State Sales Allocator	82.5670%	82.7395%	82.8919%	82.5532%	82.8596%	83.6520%	84.1702%	83.9371%	83.5009%	82.8954%	82.7144%	82.7000%	
MN Administrative Cost Allocator	91.7433%	91.8250%	91.8972%	91.7368%	91.8819%	92.2572%	92.5026%	92.3922%	92.1856%	91.8988%	91.8131%	91.8063%	

2020 RDF Rider Recovery

	Forecast Jan 2020	Forecast Feb 2020	Forecast Mar 2020	Forecast Apr 2020	Forecast May 2020	Forecast Jun 2020	Forecast Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	Total 2020
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,712	\$ 50,712
Category B Projects - R&D	\$ 631,581	\$ 160,000	\$ 48,257	\$ 29,999	\$ 154,107	\$ -	\$ 94,897	\$ 100,000	\$ -	\$ -	\$ 160,933	\$ -	\$ 1,379,774
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 631,581	\$ 160,000	\$ 48,257	\$ 29,999	\$ 154,107	\$ -	\$ 94,897	\$ 100,000	\$ -	\$ -	\$ 160,933	\$ 50,712	\$ 1,430,486
RDA EXPENSES													
MMB	\$ 14,296,276	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,296,276
Other Legis Mandates	\$ 5,785,759	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,085,759
REPI	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 617,965
Total RDA Expenses	\$ 20,133,532	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 13,351,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 51,497	\$ 34,000,000
Expense Recovery	\$ 20,765,113	\$ 211,497	\$ 99,754	\$ 81,496	\$ 205,604	\$ 51,497	\$ 13,446,394	\$ 151,497	\$ 51,497	\$ 51,497	\$ 212,430	\$ 102,209	\$ 35,430,486

Total 2020 RDF Expense Recovery	\$ 35,430,486
2019 True-up Amount to be Included in the Calculation of the 2020 RDF Rider	\$ -
Total Amount to be Recovered Through the 2020 Rider	\$ 35,430,486

2020 RDF Rider Calculation

	Forecast Jan 2020	Forecast Feb 2020	Forecast Mar 2020	Forecast Apr 2020	Forecast May 2020	Forecast Jun 2020	Forecast Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	Total 2020
2020 MN Calendar Month kWh Sales	2,543,843,303	2,281,682,331	2,368,541,839	2,091,192,074	2,298,056,888	2,582,514,278	2,883,121,055	2,869,823,812	2,420,347,314	2,316,833,015	2,280,136,380	2,500,081,883	29,436,174,171
2020 Minnesota RDF Rider Factor													\$ 0.001204

2020 RDF Tracker Calculation

	Forecast Jan 2020	Forecast Feb 2020	Forecast Mar 2020	Forecast Apr 2020	Forecast May 2020	Forecast Jun 2020	Forecast Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	Total 2020
Previous Year True-Up	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Actual Expenses	\$ 20,765,113	\$ 211,497	\$ 99,754	\$ 81,496	\$ 205,604	\$ 51,497	\$ 13,446,394	\$ 151,497	\$ 51,497	\$ 51,497	\$ 212,430	\$ 102,209	\$ 35,430,486
Actual Retail Rider Revenues	\$ 3,061,865	\$ 2,746,319	\$ 2,850,866	\$ 2,517,037	\$ 2,766,028	\$ 3,108,411	\$ 3,470,233	\$ 3,454,228	\$ 2,913,221	\$ 2,788,627	\$ 2,744,458	\$ 3,009,193	\$ 35,430,486
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 17,703,248	\$ (2,534,822)	\$ (2,751,112)	\$ (2,435,541)	\$ (2,560,424)	\$ (3,056,914)	\$ 9,976,161	\$ (3,302,731)	\$ (2,861,724)	\$ (2,737,130)	\$ (2,532,028)	\$ (2,906,984)	\$ -

2020 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 2018	Forecast of Future Payments			Total Disbursement (Actual + Forecast)	Difference Between Award and Forecast
							September to December 2018	2019	2020		
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					\$ 39,564,948	\$ 22,578,627	\$ 4,376,922	\$ 6,169,032	\$ 1,441,094	\$ 34,565,675	\$ (4,999,273)

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report

Work Order	Contract Number	Project Status	Contract Awardee	Project	Amount Awarded	Amount Dispersed through August 2018	Forecast of Future Payments			Total Disbursement (Actual + Forecast)	Difference Between Award and Forecast
							September to December 2018	2019	2020		
Other Legislative Mandates											
n/a	Benson (16)	Ongoing	City of Benson	Economic Development	\$ 20,000,000	\$ 4,000,000	\$ -	\$ 6,500,000	\$ 6,500,000	\$ 17,000,000	\$ (3,000,000)
n/a	Laurentian (15)	Ongoing	Laurentian Energy Authority	2017-2021	\$ 34,000,000	\$ 13,600,000	\$ -	\$ 6,800,000	\$ 6,800,000	\$ 27,200,000	\$ (6,800,000)
n/a	DEED (17)	Ongoing	DEED	Workforce Development	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -
n/a	MMB (14)	Ongoing	Minnesota Management and Budget	Renewable Development	\$ 364,000,000	\$ 8,817,885	\$ -	\$ 13,754,134	\$ 14,296,276	\$ 36,868,295	\$ (327,131,705)
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	\$ -
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	\$ 18,491,817	\$ 788,720	\$ 1,719,463	\$ -	\$ 21,000,000	\$ 0
11927339	DOC Solar Incentive Program (11)	Complete	DOC Solar Incentive Program	Solar Program Incentives	\$ 120,000,000	\$ 47,977,289	\$ -	\$ -	\$ -	\$ 47,977,289	\$ (72,022,711)
11965275	Solar Rewards (12)	Ongoing	Solar Rewards	Solar Program Incentives	\$ 25,000,000	\$ 1,897,916	\$ 31,718	\$ 3,108,414	\$ 5,785,759	\$ 10,823,807	\$ (14,176,193)
	Solar Energy Standard Exemption	Ongoing	Solar Energy Standard Exemption	Solar Program Incentives		\$ 77,123					
Total Legislative Mandates					\$ 633,375,000	\$ 144,237,041	\$ 820,438	\$ 31,882,011	\$ 33,382,035	\$ 210,244,402	\$ (423,130,598)
DOC State Incentive Support (3)											
REPI	Wind	Ongoing	Wind	\$4.5 M for 2003 - 2005 and \$9.4 for 2006 - 2009	\$ 51,100,000	\$ 56,565,806	\$ -	\$ -	\$ -	\$ 56,565,806	\$ 5,465,806
REPI	Biogas & Hydro	Ongoing	Biogas & Hydro	\$1.5 M for 2003 - 2009	\$ 10,500,000	\$ 6,302,698	\$ 317,595	\$ 617,989	\$ 617,965	\$ 7,856,248	\$ (2,643,752)
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	\$ 92,362,134	\$ 317,595	\$ 617,989	\$ 617,965	\$ 93,915,684	\$ 32,315,684
TOTAL All Legislative Mandates					\$ 694,975,000	\$ 236,599,175	\$ 1,138,033	\$ 32,500,000	\$ 34,000,000	\$ 304,160,086	\$ (390,814,914)
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.				\$ -	\$ 168,184	\$ -	\$ -	\$ -	\$ 168,184	\$ 168,184
TOTAL Cycle 4 Admin Costs					\$ -	\$ 168,184	\$ -	\$ -	\$ -	\$ 168,184	\$ 168,184
TOTAL Admin Costs					\$ 114,650	\$ 1,416,960	\$ -	\$ -	\$ -	\$ 1,416,960	\$ 1,302,310
TOTAL ALL RDF					\$ 792,156,288	\$ 311,700,093	\$ 5,514,955	\$ 38,669,032	\$ 35,441,094	\$ 391,248,052	\$ (400,908,236)

See Attachment 16 for an explanation of all footnotes.

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

Work Order	Contract Number	Project Status	Total Amount Awarded	Actual Through Dec 2017	Actual Jan 2018	Actual Feb 2018	Actual Mar 2018	Actual Apr 2018	Actual May 2018	Actual Jun 2018	Actual Jul 2018	Actual Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018
Cycle 1 Projects																
Category A																
10184513	AB07	Complet	\$ 1,300,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184517	AH01	Ongoing	\$ 5,100,000	\$ 1,538,291	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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	\$ 638,635	\$ 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	\$ 73,239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184576	CW06	Complet	\$ 654,309	\$ 654,309	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Category B/C			\$ 6,247,566	\$ 6,130,458	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 1 Projects			\$ 15,550,401	\$ 11,671,884	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Other Legislative Mandates																
n/a	Benson (16)	Ongoing	\$ 20,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	Laurentian (15)	Ongoing	\$ 34,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,600,000	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	DEHD (17)	Ongoing	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	MMB (14)	Ongoing	\$ 364,000,000	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10549848	U of M (2)	Complet	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10736059	Excelsior (4)	Complet	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10707553	AURI (5)	Complet	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10691805	PCA REPI Pay (6)	Complet	\$ (4,000,000)	\$ (4,000,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11090275	Next Gen Incent (7)	Complet	\$ 15,250,000	\$ 15,250,011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11253981	DER Program Support (9)	Complet	\$ 1,975,000	\$ 1,975,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11262958	IREE Program Support (8)	Complet	\$ 15,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11445577	Solar Rebates, MN Made (10)	Complet	\$ 21,000,000	\$ 17,609,524	\$ -	\$ 49,770	\$ 97,296	\$ 334,657	\$ -	\$ 93,957	\$ 306,614	\$ -	\$ 325,795	\$ 187,307	\$ 126,105	\$ 149,513
11927339	DOC Solar Incentive Program (11)	Complet	\$ 120,000,000	\$ 47,977,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11965275	Solar Rewards (12)	Ongoing	\$ 25,000,000	\$ 1,239,115	\$ 519,273	\$ 53,990	\$ 10,769	\$ 9,655	\$ 11,621	\$ 17,019	\$ 9,701	\$ 26,773	\$ 3,261	\$ 847	\$ 11,847	\$ 15,763
Total Legislative Mandates			\$ 578,375,000	\$ 115,200,939	#####	\$103,760	\$ 185,188	\$344,312	\$ 11,621	#####	\$4,316,315	\$ 26,773	\$329,056	\$188,154	\$ 137,952	\$ 165,276
DOC State Incentive Support (5)																
REPI	Wind	Ongoing	\$ 51,000,000	\$ 56,483,299	\$ 9,734	\$ -	\$ -	\$ -	\$ 72,774	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
REPI	Biogas & Hydro	Ongoing	\$ 10,500,000	\$ 5,822,836	\$ 51,823	\$ 64,817	\$ 74,731	\$ 53,056	\$ 62,818	\$ 46,297	\$ 60,587	\$ 64,833	\$ 79,399	\$ 79,399	\$ 79,399	\$ 79,399
REPI	1st Wind	Ongoing	\$ -	\$ 29,493,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total REPI			\$ 61,600,000	\$ 91,799,764	\$ 61,557	\$ 64,817	\$ 74,731	\$ 53,056	#####	\$ 46,297	\$ 60,587	\$ 64,833	\$ 79,399	\$ 79,399	\$ 79,399	\$ 79,399
Total Other Legislative Mandates			\$ 639,975,000	\$ 207,000,703	#####	#####	\$ 259,920	#####	#####	#####	#####	\$ 91,606	#####	#####	\$ 217,351	\$ 244,675
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			\$ -	\$ 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			\$ -	\$ 167,346	\$ -	\$ 107	\$ -	\$ -	\$ -	\$ 535	\$ 197	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 4 Admin Costs			\$ -	\$ 167,346	\$ -	\$ 107	\$ -	\$ -	\$ -	\$ 535	\$ 197	\$ -	\$ -	\$ -	\$ -	\$ -
Added Admin Costs and Future Funding Cycles			\$ -	\$ 883,648	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Fund Administration			\$ 114,650	\$ 2,299,770	\$ -	\$ 107	\$ -	\$ -	\$ -	\$ 535	\$ 197	\$ -	\$ -	\$ -	\$ -	\$ -

See Attachment 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report - Cycle 2 Projects

Actuals through August 2018

Forecast through December 2020

ALL CYCLE 2 PROJECTS COMPLETED - No Future Grant Payments

Project No.	Name	Total Amount Awarded	Actual Through Aug 2018	Forecast Sept-Dec 2018	Forecast 2019	Forecast 2020	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 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
Annual Compliance Report - Cycle 3 Projects
Actuals through August 2018
Forecast through December 2020

Project No.	Name	Total Amount Awarded	Actual Through Aug 2018	Forecast Sept-Dec 2018	Forecast 2019	Forecast 2020	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	Frecnerg	\$ 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 2018

Forecast through December 2020

Project No.	Name	Total Amount Awarded	Actual Through Aug 2018	Forecast Sep 2018	Forecast Oct 2018	Forecast Nov 2018	Forecast Dec 2018	Forecast Jan 2019	Forecast Feb 2019	Forecast Mar 2019	Forecast Apr 2019	Forecast May 2019	Forecast Jun 2019	Forecast Jul 2019	Forecast Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Forecast Jan 2020	Forecast Feb 2020	Forecast Mar 2020	Forecast Apr 2020	Forecast May 2020	Forecast Jun 2020	Forecast Jul 2020	Forecast Aug 2020	Forecast Sep 2020	Forecast Oct 2020	Forecast Nov 2020	Forecast Dec 2020	Project Totals	
EP4-5	HS	\$ 917,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 917,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 917,250	
EP4-5	Best Power Ltd	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000	
EP4-6	Best Power (John)	\$ 172,213	\$ 172,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,213	
EP4-11	Innovative Power	\$ 1,800,000	\$ 1,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800,000	
EP4-13	Memo Anson Comm	\$ 2,022,507	\$ 2,022,507	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,022,507		
EP4-15	MS Renew Energy Soc	\$ 2,661,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,661,520	
EP4-20	Treco Construction	\$ 583,513	\$ 583,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 583,513	
EP4-22	Mingli Park & Rec Ltd	\$ 909,741	\$ 909,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 909,741	
EP4-29	Daewoo Solar Inc	\$ 1,650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650,000	
EP4-34	St Paul Saints Stadium	\$ 553,750	\$ 553,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 553,750	
EP4-41	City of Hutchinson	\$ 958,369	\$ 958,369	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 958,369	
EP4-42	Anson St. Anthone	\$ 239,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 239,994	
EP4-48	Oak Leaf Energy Pr	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	
Total Energy Production		\$ 15,438,663	\$ 10,012,093	\$ -	\$ 1,650,000	\$ -	\$ -	\$ 917,250	\$ 239,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 61,320	\$ 13,185,187
RD4-2	Unit of Miami Dairy	\$ 982,408	\$ 656,390	\$ 53,148	\$ -	\$ -	\$ 37,774	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 43,146	\$ -	\$ -	\$ 37,629	\$ -	\$ -	\$ 43,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 982,408
RD4-11	Unit of NRE Energy	\$ 1,899,489	\$ 545,252	\$ -	\$ 615,967	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 640,657	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 89,272	\$ 74,203	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,899,489
RD4-12	Unit of Nuse	\$ 625,302	\$ 439,050	\$ 49,766	\$ -	\$ -	\$ 27,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,260	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 625,302
RD4-13	Unit of W.S.	\$ 1,091,684	\$ 881,131	\$ -	\$ 108,546	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 105,207	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,091,684
RD4-14	Unit of Enterprise	\$ 161,081	\$ 92,391	\$ -	\$ 47,640	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 161,081
RD4-1	Unit of M Gasification	\$ 999,999	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000	\$ -	\$ -	\$ -	\$ 80,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 999,999
RD4-5	Unit of Florida	\$ 1,109,538	\$ -	\$ -	\$ 71,411	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,109,538
RD4-7	Unit of Solar	\$ 1,000,000	\$ 277,497	\$ -	\$ -	\$ -	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 173,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 68,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
RD4-8	Unit of Red Wing	\$ 1,099,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,099,900	
HD-1	Unit of MN W Comm/Fish Coll	\$ 5,000,000	\$ 4,450,000	\$ 1,050,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000,000	
HD-2	Unit of St Thomas	\$ 2,137,213	\$ 2,137,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,137,213	
HD-3	Unit of Minnesota	\$ 3,000,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	
Total Research & Dev.		\$ 20,826,026	\$ 12,565,918	\$ 1,452,074	\$ 799,213	\$ 71,411	\$ 404,224	\$ 133,166	\$ 640,657	\$ 45,146	\$ 202,260	\$ 408,649	\$ 317,629	\$ 201,167	\$ 243,179	\$ 138,022	\$ 1,201,389	\$ 220,315	\$ 58,629	\$ 631,581	\$ 160,000	\$ 48,257	\$ 29,999	\$ 154,107	\$ -	\$ 94,897	\$ 100,000	\$ -	\$ -	\$ -	\$ 160,933	\$ -	\$ 520,462,622
Total Cycle 4 Projects		\$ 36,464,689	\$ 22,578,011	\$ 1,452,074	\$ 2,449,213	\$ 71,411	\$ 404,224	\$ 1,050,416	\$ 880,651	\$ 45,146	\$ 202,260	\$ 408,649	\$ 317,629	\$ 201,167	\$ 243,179	\$ 728,912	\$ 1,201,389	\$ 220,315	\$ 669,519	\$ 631,581	\$ 160,000	\$ 48,257	\$ 29,999	\$ 154,107	\$ -	\$ 94,897	\$ 100,000	\$ -	\$ -	\$ 160,933	\$ 61,320	\$ 533,647,809	

See Attachment 16 for an explanation of all footnotes.

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

	Sep-18	Oct-18	Nov-18	Dec-18	Total
Crown Hydro	0	0	0	0	0
Coaltec	0	0	0	0	0
Bergey Windpower	0	0	0	0	0
Region 5 Dev Comm	0	0	0	0	0
Monthly Sub Total	0	0	0	0	0
Cumulative Obligation	0	0	0	0	0

* 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 2019 Forecast for Cost Recovery*

	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
Crown Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0
Coaltec	0	0	0	0	0	0	0	0	0	0	0	0	0
Bergey Windpower	0	0	0	0	155,000	0	155,000	0	155,000	0	155,000	0	620,000
Region 5 Dev Comm	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Sub Total	0	0	0	0	155,000	0	155,000	0	155,000	0	155,000	0	620,000
Cumulative Obligation	0	0	0	0	155,000	155,000	310,000	310,000	465,000	465,000	620,000	620,000	

Previous Cycle RDF Grant Project Payments Not Included in 2020 Forecast for Cost Recovery*

	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total
Crown Hydro	761,409	0	0	0	750,000	0	0	900,000	0	0	650,000	0	3,061,409
Coaltec	0	0	0	0	0	0	0	0	0	0	0	0	0
Bergey Windpower	0	0	0	0	155,000	0	155,000	0	155,000	0	155,000	0	620,000
Region 5 Dev Comm	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Sub Total	761,409	0	0	0	905,000	0	155,000	900,000	155,000	0	805,000	0	3,681,409
Cumulative Obligation	761,409	761,409	761,409	761,409	1,666,409	1,666,409	1,821,409	2,721,409	2,876,409	2,876,409	3,681,409	3,681,409	

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

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*	
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	

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
EP3 - 12	freEner-g	\$1,488,922	EP	3	Solar	complete	
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	10/1/2018
EP4-3	Minneapolis Public School	\$917,250	EP	4	Solar	current	1/10/2019
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	cancelled	
EP4-11	Innovative Power Systems	\$1,850,000	EP	4	Solar	complete	
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	12/15/2020
EP4-20	Target Corporation	\$583,513	EP	4	Solar	complete	
EP4-21	Farmamerica	\$600,000	EP	4	solar/wind	cancelled	
EP4-22	Minneapolis Park & Recreation Board	\$969,741	EP	4	solar	complete	
EP4-24	Bergey Windpower	\$1,106,600	EP	4	wind	current	11/24/2020
EP4-29	Dragonfly Solar	\$1,650,000	EP	4	solar	current	10/8/2018
EP4-34	City of St Paul	\$555,750	EP	4	solar	complete	
EP4-41	City of Hutchinson	\$958,369	EP	4	solar	complete	
EP4-42	Aurora St. Anthony	\$398,000	EP	4	solar	current	2/14/2019
EP4-43	Cornerstone Group	\$310,310	EP	4	solar	cancelled	
EP4-44	Region 5 Dev. Commission	\$1,993,659	EP	4	solar	current	4/25/2020
EP4-48	Oak Leaf Energy	\$2,000,000	EP	4	solar	complete	
RD4-1	Univ. of Minn - Gasification	\$999,999	RD	4	Biomass	current	1/4/2020
RD4-2	University of Minnesota - Dairy	\$982,408	RD	4	solar/wind	current	2/2/2020
RD4-5	University of Florida	\$1,109,538	RD	4	Biomass	current	5/4/2021
RD4-7	Interphases Solar	\$1,000,000	RD	4	solar	current	1/12/2020
RD4-8	City of Red Wing	\$1,999,500	RD	4	biomass	current	2/6/2021
RD4-11	University of Minnesota - Torrefaction	\$1,899,449	RD	4	biomass	current	10/3/2019
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	6/2/2020

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
RD4-14	Barr Engineering	\$161,081	RD	4	wind	current	11/16/2018
HE4-1	Minnesota State Colleges & Universities	\$5,500,000	HE	4	all types	current	5/31/2020
HE4-2	University of St Thomas	\$2,157,215	HE	4	all types	current	9/12/2019
HE4-3	University of Minnesota	\$3,000,000	HE	4	all types	current	3/1/2020

As of the date of this filing, the Company has not yet received the Commission Order in Docket No. E002/M-17-712 directing the Company to terminate the Crown Hydro RDF grant contract. Once that is received, the Company will no longer consider that project current, nor will it forecast future grant payments on Attachment 10.

RDF Administrative Costs as Percent of Total Grant Payments

	2004 - 2013	2014	2015	2016	2017	Through 2017
Total RDF Grant Payments	\$ 53,904,468	\$ 680,843	\$ 2,809,764	\$ 10,917,325	\$ 4,465,368	\$ 72,777,767
Administrative Expenses	\$ 2,008,930	\$ 24,781	\$ 15,741	\$ 25,343	\$ 17,051	\$ 2,091,846
Ratio of Adm. Expenses	3.7%	3.6%	0.6%	0.2%	0.4%	2.9%

	2004 - 2013	2014	2015	2016	2017	2018 Fcst*	2019 Fcst*	Through 2019
Total RDF Grant Payments	\$ 53,904,468	\$ 680,843	\$ 2,809,764	\$ 10,917,325	\$ 4,465,368	\$ 9,500,643	\$ 6,169,032	\$ 88,447,443
Administrative Expenses	\$ 2,008,930	\$ 24,781	\$ 15,741	\$ 25,343	\$ 17,051	\$ 839	\$ -	\$ 2,092,685
Ratio of Adm. Expenses	3.7%	3.6%	0.6%	0.2%	0.4%	0.0%	0.0%	2.4%

* 2018 and 2019 Grant Payments reflect only those included for recovery.

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report
Report of Fund Liability and Unencumbered Balance
Through December 31, 2017

	Up to 2008	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2003-2017	Total Amount of Awards	Grant Awards not Utilized	Unencumb Grant Awards
1. RDF Grant Payments (a+b+c)	\$ 28,599,257	\$ 3,238,627	\$ 7,533,073	\$ 8,326,383	\$ 6,943,768	\$ 1,902,837	\$ 3,142,992	\$ 680,843	\$ 2,809,764	\$ 10,917,325	\$ 4,465,368	\$ 78,560,236	\$ 107,066,638	\$ 2,684,951	\$ 104,381,687
Cycle 1 - EP	\$ 5,541,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,541,426	\$ 200,000	\$ 9,102,835
Cycle 2 - EP	\$ 3,836,360	\$ (520,000)	\$ 242,730	\$ 40,910	\$ 1,500,000	\$ 0	\$ 344,175	\$ 592,355	\$ -	\$ -	\$ -	\$ -	\$ 6,036,530	\$ 7,636,530	\$ 1,600,000
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
Cycle 4 - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,072,213	\$ 5,425,476	\$ 2,545,280	\$ 9,042,969	\$ 18,738,922	\$ -	\$ 18,738,922
a. Total Cat A	\$ 9,377,786	\$ 215,000	\$ 447,820	\$ 3,202,597	\$ 3,900,806	\$ 476,376	\$ 2,462,584	\$ 592,355	\$ 1,072,213	\$ 5,425,476	\$ 2,545,280	\$ 29,718,293	\$ 44,790,689	\$ 1,815,034	\$ 42,975,655
Cycle 1 - R&D	\$ 6,021,090	\$ 62,748	\$ 46,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,130,458	\$ 6,247,566	\$ 117,108
Cycle 2 - R&D	\$ 7,493,198	\$ 2,470,103	\$ 939,061	\$ 201,306	\$ -	\$ 197,741	\$ 31,619	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,333,028	\$ 11,804,466	\$ 471,438
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
Cycle 4 - R&D	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 5,491,849	\$ 1,920,089	\$ 8,411,937	\$ 20,826,026	\$ -	\$ 20,826,026
b. Total Cat B	\$ 13,514,288	\$ 2,632,851	\$ 3,914,218	\$ 4,392,779	\$ 3,042,962	\$ 1,426,461	\$ 680,408	\$ 88,488	\$ 1,737,551	\$ 5,491,849	\$ 1,920,089	\$ 38,841,944	\$ 52,275,949	\$ 869,917	\$ 51,406,032
c. Excelsior	\$ 5,707,182	\$ 390,776	\$ 3,171,035	\$ 731,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -
2. Total Administrative Costs	\$ 1,306,243	\$ 225,705	\$ 118,052	\$ 147,234	\$ 139,629	\$ 101,533	\$ 178,458	\$ 24,781	\$ 15,741	\$ 25,343	\$ 17,051	\$ 2,299,770			
3. Total Other Legislative Mandates	\$ 33,508,849	\$ 16,673,693	\$ 16,744,987	\$ 15,619,529	\$ 14,729,047	\$ 13,325,940	\$ 9,531,960	\$ 21,460,068	\$ 20,684,911	\$ 18,941,736	\$ 15,779,983	\$ 197,000,703			
University of Minnesota/IREE	\$ 10,000,000	\$ -	\$ 2,500,000	\$ 5,000,000	\$ 5,000,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000,000		
REPI - Wind	\$ 23,371,385	\$ 9,011,870	\$ 9,465,152	\$ 9,239,984	\$ 8,511,746	\$ 8,494,153	\$ 6,950,346	\$ 5,316,377	\$ 3,496,069	\$ 1,719,730	\$ 400,116	\$ 85,976,928			
REPI - Biogas	\$ 174,953	\$ 36,823	\$ 292,335	\$ 392,045	\$ 522,260	\$ 523,737	\$ 462,556	\$ 380,557	\$ 1,156,891	\$ 1,111,489	\$ 769,190	\$ 5,822,836			
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	\$ 3,513,790	\$ 2,149,212	\$ 17,609,524			
DOC Solar Incentive Program (11)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,021,295	\$ 12,014,671	\$ 12,073,296	\$ 11,868,026	\$ 47,977,289				
Solar Rewards (12)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,503	\$ 66,743	\$ 523,430	\$ 593,439	\$ 1,239,115			
Total RDF Cost (1+2+3)	\$ 63,414,348	\$ 20,138,025	\$ 24,396,112	\$ 24,093,145	\$ 21,812,445	\$ 15,330,310	\$ 12,853,411	\$ 22,165,691	\$ 23,510,415	\$ 29,884,404	\$ 20,262,403	\$ 277,860,709			

As of December 31, 2017

1. Total Amount Credited to RDF	\$ 326,950,000
2. Total RDF Payments	\$ 277,860,709
3. Total Amount of Awards	\$ 104,381,687
4. Amount of RDF Grants Paid	\$ 78,560,236

Unencumbered Cumulative

Balance \$ 23,267,840

(1-2-3+4)

RENEWABLE DEVELOPMENT FUND

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	MN State	ND State	SD State	RDF NSPM	RDF MN	FCA Total	FCA MN	FCA Total System	FCA MN	FCA MN	Total
	System	Calendar	Calendar	Calendar	Calendar	State Sales	System	State	Cal Mo Sales less	State Cal Mo	State Sales	System
	Calendar	Month	Month	Month	Month	Allocator	Calendar	Calendar	Windsources	Windsources	Allocator	Sales
	Month Sales	Month	Month	Month	Month Sales	Month Sales	Month Sales	Month Sales	Month Sales	Month Sales	Month Sales	Difference
Sep-17	3,524,144	2,618,866	170,309	177,950	2,967,125	84.19%	3,524,144	2,618,866	3,501,424	2,596,146	74.15%	0
Oct-17	3,209,823	2,336,054	167,440	164,949	2,668,443	83.13%	3,209,823	2,336,054	3,185,919	2,312,150	72.57%	0
Nov-17	3,225,798	2,328,726	184,609	160,317	2,673,652	82.88%	3,225,798	2,328,726	3,198,406	2,301,334	71.95%	0
Dec-17	3,560,225	2,553,136	214,724	178,417	2,946,277	82.76%	3,560,225	2,553,136	3,536,281	2,529,192	71.52%	0
Jan-18	3,636,405	2,593,495	224,305	188,156	3,005,956	82.66%	3,636,405	2,593,495	3,608,629	2,565,719	71.10%	0
Feb-18	3,123,056	2,239,833	191,910	154,390	2,586,132	82.81%	3,123,056	2,239,833	3,098,454	2,215,231	71.49%	0
Mar-18	3,391,209	2,435,319	198,718	173,896	2,807,933	82.80%	3,391,209	2,435,319	3,365,409	2,409,519	71.60%	0
Apr-18	3,046,918	2,213,115	166,321	154,591	2,534,027	83.17%	3,046,918	2,213,115	3,022,588	2,188,785	72.41%	0
May-18	3,389,085	2,485,230	171,859	174,673	2,831,763	83.56%	3,389,085	2,485,230	3,364,765	2,460,910	73.14%	0
Jun-18	3,816,044	2,813,617	185,360	211,646	3,210,623	84.13%	3,816,044	2,813,617	3,789,867	2,787,440	73.55%	0
Jul-18	4,007,848	2,974,636	194,810	214,770	3,384,215	84.44%	4,007,848	2,974,636	3,979,207	2,945,995	74.03%	0
Aug-18	4,111,024	3,021,236	205,167	228,505	3,454,908	84.04%	4,111,024	3,021,236	4,076,681	2,986,893	73.27%	0

- 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 Windsources sales not included in FCA calculation
- j Minnesota State Electric sales, as reported by Xcel Energy in monthly FCA filings less Windsources 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

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

Month	Rider	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	3,056,161			
									Less: Wholesale	(438,313)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	1,018			
									Less: Windsource	(14,460)			
									Less: Renewable*Connect	(8,260)			
Sep-17	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	680,568,279	703,718	0.001034	Total MN Cal Mo Retail	2,596,146			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,795,660,512	1,856,725	0.001034	Less: Net Unbilled	(127,658)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	8,022,765	8,295	0.001034	Add: Windsource	14,460			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	6,014,405	6,219	0.001034	Add: Renewable*Connect	8,260			
						2,490,265,961	2,574,956.86	0.001034	Less: Interdepartmental	(1,018)			
									Total MN Bill Mo Retail	2,490,190	76	2,574,856.46	100
									Total MN Cal Mo Sales	3,039,551			
									Less: Wholesale	(704,049)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	552			
									Less: Windsource	(15,290)			
									Less: Renewable*Connect	(8,614)			
Oct-17	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	661,549,363	684,021	0.001034	Total MN Cal Mo Retail	2,312,150			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,830,157,694	1,892,367	0.001034	Less: Net Unbilled	172,437			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	10,346,889	10,698	0.001034	Add: Windsource	15,290			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,955,508	6,158	0.001034	Add: Renewable*Connect	8,614			
						2,508,009,454	2,593,244.92		Less: Interdepartmental	(552)	70	2,593,208.93	36
									Total MN Bill Mo Retail	2,507,939			
									Total MN Cal Mo Sales	2,972,005			
									Less: Wholesale	(643,811)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	532			
									Less: Windsource	(16,779)			
									Less: Renewable*Connect	(10,613)			
Nov-17	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	593,243,491	613,424	0.001034	Total MN Cal Mo Retail	2,301,334			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,599,117,570	1,653,498	0.001034	Less: Net Unbilled	(118,727)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	12,094,584	12,510	0.001034	Add: Windsource	16,779			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,108,229	5,282	0.001034	Add: Renewable*Connect	10,613	97	2,284,588.88	125
						2,209,563,874	2,284,714.22		Less: Interdepartmental	(532)			
									Total MN Bill Mo Retail	2,209,467			

RENEWABLE DEVELOPMENT FUND

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

Month	Rider	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	3,347,736			
									Less: Wholesale	(795,157)			
Dec-17	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	676,073,519	699,074	0.001034	Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,686,024,095	1,743,372	0.001034	Add: Interdepartmental	557			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	9,956,722	10,291	0.001034	Less: Windsource	(14,201)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,054,872	5,227	0.001034	Less: Renewable*Connect	(9,743)			
						2,377,109,208	2,457,963.88		Total MN Cal Mo Retail	2,529,192	85	2,457,842.82	121
									Less: Net Unbilled	(175,555)			
									Add: Windsource	14,201			
									Add: Renewable*Connect	9,743			
									Less: Interdepartmental	(557)			
									Total MN Bill Mo Retail	2,377,024			
Jan-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	918,003,097	949,222	0.001034	Total MN Cal Mo Sales	3,435,455			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,900,588,133	1,965,214	0.001034	Less: Wholesale	(842,060)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	13,779,984	14,249	0.001034	Less: Net Wholesale Unbilled	-			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,845,377	6,044	0.001034	Add: Interdepartmental	100			
						2,838,216,591	2,934,729.06		Less: Windsource	(17,229)	1	2,934,715.13	14
									Less: Renewable*Connect	(10,547)			
									Total MN Cal Mo Retail	2,565,719			
									Less: Net Unbilled	244,718			
									Add: Windsource	17,229			
										10,547			
									Less: Interdepartmental	(100)			
									Total MN Bill Mo Retail	2,838,113			
									Total MN Cal Mo Sales	2,747,276			
									Less: Wholesale	(508,184)			
									Less: Net Wholesale Unbilled	-	(0)	2,445,939.52	15
									Add: Interdepartmental	741			
									Less: Windsource	(14,359)			
									Less: Renewable*Connect	(10,243)			
Feb-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	688,612,959	712,039	0.001034	Total MN Cal Mo Retail	2,215,231			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,660,746,696	1,717,214	0.001034	Less: Net Unbilled	126,013			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	11,176,442	11,557	0.001034	Add: Windsource	14,359			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,975,638	5,145	0.001034	Add: Renewable*Connect	10,243			
						2,365,511,735	2,445,954.83		Less: Interdepartmental	(741)			
									Total MN Bill Mo Retail	2,365,105			

RENEWABLE DEVELOPMENT FUND

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

Month	Rider	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	3,090,160	(1)	2,596,618.02	16
									Less: Wholesale	(655,752)			
Mar-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	719,216,929	743,685	0.001034	Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,775,862,539	1,836,246	0.001034	Add: Interdepartmental	911			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	10,704,689	11,068	0.001034	Less: Windsource	(15,546)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,450,393	5,636	0.001034	Less: Renewable*Connect	(10,254)			
						2,511,234,550	2,596,633.96		Total MN Cal Mo Retail	2,409,519			
									Less: Net Unbilled	76,828			
									Add: Windsource	15,546			
									Add: Renewable*Connect	10,254			
									Less: Interdepartmental	(911)			
									Total MN Bill Mo Retail	2,511,236			
									Total MN Cal Mo Sales	2,697,448			
									Less: Wholesale	(484,791)			
Apr-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	617,760,588	638,784	0.001034	Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,628,853,564	1,684,238	0.001034	Add: Interdepartmental	458			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	9,268,339	9,583	0.001034	Less: Windsource	(14,155)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	4,732,832	4,894	0.001034	Less: Renewable*Connect	(10,175)		2,337,476.50	23
						2,260,615,323	2,337,499.25		Total MN Cal Mo Retail	2,188,785			
									Less: Net Unbilled	47,558			
									Add: Windsource	14,155			
									Add: Renewable*Connect	10,175			
									Less: Interdepartmental	(458)			
									Total MN Bill Mo Retail	2,260,215			
									Total MN Cal Mo Sales	2,963,316			
									Less: Wholesale	(478,458)			
May-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	589,991,700	610,057		Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,700,284,139	1,758,082		Add: Interdepartmental	372			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	8,152,152	8,429		Less: Windsource	(14,097)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,132,489	5,307	0.001034	Less: Renewable*Connect	(10,223)			
						2,303,560,480	2,381,874.57		Total MN Cal Mo Retail	2,460,910			
									Less: Net Unbilled	(185,952)			
									Add: Windsource	14,097		2,381,881.41	(7)

RENEWABLE DEVELOPMENT FUND

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

Month	Rider	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
									Add: Renewable*Connect	10,223			
									Less: Interdepartmental	(372)			
									Total MN Bill Mo Retail	2,298,906			
									Total MN Cal Mo Sales	3,529,436			
Jun-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	781,080,923	807,645		Less: Wholesale	(716,204)			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,832,502,124	1,894,807		Less: Net Wholesale Unbilled	-			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	7,413,874	7,666		Add: Interdepartmental	385			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	6,003,245	6,207	0.001034	Less: Windsource	(16,092)			
						2,627,000,165	2,716,324.51	0.001034	Less: Renewable*Connect	(10,085)			
								0.001034	Total MN Cal Mo Retail	2,787,440			
								0.001034	Less: Net Unbilled	(189,140)			
									Add: Windsource	16,092			
									Add: Renewable*Connect	10085		2,716,318.38	6
									Less: Interdepartmental	(385)			
									Total MN Bill Mo Retail	2,624,092			
Jul-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	964,343,886	997,131		Total MN Cal Mo Sales	3,764,024			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,982,252,706	2,049,647		Less: Wholesale	(789,789)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	6,031,206	6,237		Less: Net Wholesale Unbilled	-			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	6,689,784	6,917	0.001034	Add: Interdepartmental	401			
						2,959,317,582	3,059,932.82	0.001034	Less: Windsource	(17,619)			
								0.001034	Less: Renewable*Connect	-11022			
								0.001034	Total MN Cal Mo Retail	2,945,995			
									Less: Net Unbilled	(15,414)	496	3,059,933.91	(1)
									Add: Windsource	17,619			

RENEWABLE DEVELOPMENT FUND

Rider Calculation

Footnotes for All Schedules

Footnote Number	Footnote Description
1	Minnesota Legislature in 2017 removed the Statutory authority for Xcel Energy to manage the RDF and PUC approval of reasonable and necessary expenditures for administration. No administrative costs are included for cost recovery.
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	Mandated by the Minnesota Legislature in 2013 to pay \$15 million/year into the "Made In Minnesota Solar Energy Production Incentive Account" from 2014 – 2023. About \$3 million/year was from CIP funds and the balance of \$12 million/year was from the RDF. In 2017, the Minnesota legislature eliminated the Account.
12	Mandated by the Minnesota Legislature in 2013 appropriated \$25 million to pay \$5 million/year for solar production incentives from 2014 – 2018 with payouts over ten years. In 2017, the Legislature approved a four year extension and appropriated an additional \$35 million.
13	In 2013, the \$5 million earmarked for future pilot investments was reallocated to Cycle 4 Grant awards.
14	Mandated by the Minnesota Legislature in 2017 to transfer any unspent RDF funds to a special account with Minnesota Management and Budget
15	Mandated by the Minnesota Legislature in 2017 to appropriate \$34.0 million over a five year period (fiscal years 2018-2022) to the Laurentian Energy Authority, LLC to assist the transition required by the termination of a power purchase agreement
16	Mandated by the Minnesota Legislature in 2017 to appropriate \$20.0 million over a four year period (fiscal years 2018-2021) to the City of Benson for purposes of economic development
17	Mandated by the Minnesota Legislature in 2017 to appropriate \$1.0 million to the DEED 21st Century Minerals Fund
18	As of the date of this filing, the Company has not received a Commission Order in Docket No. 12-1278, which allows the Company and MRES to enter into a contract amendment proposing an additional community solar garden in Minneapolis be funded by MRES' RDF Grant. Therefore the MRES grant award subject to change pending the Company filing and the Commission approving any contract amendment for a third community solar garden. The Company is not requesting recovery of these monies in the 2019 rate factor.

Redline

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5

~~20th~~21st 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	\$0.001318 <u>\$0.001417</u> per kWh
Commercial	\$0.001318 <u>\$0.001417</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.

EXEMPTION

For customer premises recognized by the Company as not being subject to any of the costs of satisfying the solar energy standard under Minn. Stat. § 216B.1691, subd. 2f ("SES Costs"), the SES Costs reflected in the Renewable Development Fund charge assessed to the accounts associated with these premises may be credited to these accounts, and the dollar amount of these credits shall be added as part of the annual Renewable Development Fund Tracker applicable to the time period when the credit is issued.

Date Filed:	09-28-18 <u>10-01-18</u>	By: Christopher B. Clark	Effective Date:	10-01-18
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M- 17-71218-		Order Date:	09-25-18

Clean

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5
21st 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	\$0.001417 per kWh
Commercial	\$0.001417 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.

EXEMPTION

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Date Filed: 10-01-18

By: Christopher B. Clark

Effective Date:

President, Northern States Power Company, a Minnesota corporation

Docket No. E002/M-18-

Order Date:

CERTIFICATE OF SERVICE

I, Lynnette Sweet, 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 1st day of October 2018

/s/

Lynnette Sweet
Regulatory Administrator

First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
David	Aafedt	daafedt@winthrop.com	Winthrop & Weinstine, P.A.	Suite 3500, 225 South Sixth Street Minneapolis, MN 554024629	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
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