



414 Nicollet Mall
Minneapolis, MN 55401

October 1, 2019

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

—Via Electronic Filing—

RE: PETITION
RENEWABLE DEVELOPMENT FUND ANNUAL REPORT, TRACKER ACCOUNT
TRUE-UP, AND REQUEST FOR 2020 RIDER FACTOR
DOCKET NO. E-002/M-19-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 2020 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, or Pam Gibbs at pamela.k.gibbs@xcelenergy.com or (612)-330-2889 if you have any questions regarding this filing.

Sincerely,

/s/

BRIA E. SHEA
DIRECTOR, REGULATORY & STRATEGIC ANALYSIS

Enclosures
c: Service List

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Katie Sieben	Chair
Dan Lipschultz	Commissioner
Valerie Means	Commissioner
Matthew Schuerger	Commissioner
John A. Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF THE 2019 RENEWABLE
DEVELOPMENT FUND ANNUAL REPORT,
TRACKER ACCOUNT TRUE-UP, AND 2020
RATE RIDER FACTOR

DOCKET No. E002/M-19-____

PETITION

INTRODUCTION

Northern States Power Company, doing business as Xcel Energy, submits to the Minnesota Public Utilities Commission this Petition requesting approval of the 2020 Renewable Development Fund (RDF) rate rider factor beginning January 1, 2020 and approval of the 2019 RDF annual report.

We are requesting Commission approval of 2020 RDF rates to recover a total amount of \$37,178,829. This amount is less than what was recovered through the RDF rate rider last year, and represents a decrease of \$0.09 per month to the average residential customer bill. Consistent with the Commission's RDF Order,¹ we have not included any RDF administrative costs in this 2020 rate.

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

Table 1: 2020 Minnesota Jurisdiction Recoverable Costs

Summary of 2020 RDF/RDA Recoverable Costs		
RDA Recoverable Costs		
MMB Payment	\$ 14,852,115	
Total RDA Disbursements		\$ 14,852,115
RDF Recoverable Costs		
Other Legislative Mandates		
Renewable Energy Production Incentives	\$ 620,835	
Minnesota Bonus Solar Rebate Program	\$ 21,578	
Solar Energy Incentive Program	\$ 5,205,472	
Benson Legislative Payment	\$ 6,500,000	
Laurentian Legislative Payment	\$ 6,800,000	
2019 Other Legislative Mandate True-up Expenses	\$ 232,767	
Other Legislative Mandates Subtotal		\$ 19,380,652
Legacy RDF Projects		
Energy Production Grants	\$ 50,743	
Research and Development Grants	\$ 2,404,907	
2019 RDF True-up Expenses	\$ 490,412	
Legacy RDF Projects Subtotal		\$ 2,946,062
Total RDF Disbursements		\$ 22,326,714
Total 2020 RDF/RDA Expenses		\$ 37,178,829

As shown in Table 2 below, RDF program costs have generally increased since 2016. This is primarily due to the level of activity by RDF Cycle 4 projects (though Cycle 4 project expenditures are slowing down as more projects are completed) as well as the 2017 legislative mandate that requires funds be transferred to the Minnesota Office of Management and Budget (MMB). As discussed further in the below report, while the 2017 legislation does not necessarily increase the amount of costs collected from customers over time, the MMB transfer advances the collection of funds that would not have been collected from customers until a later date under the previous legislation. In other words, the legislation requires that we now collect the funds from customers sooner than we would have previously.

Table 2: Annual RDF Rate Rider Comparisons (2016–2020)

2016 to 2020 Rate Rider - Summary Table					
	2016 Rider	2017 Rider	2018 Rider	2019 Rider	2020 Rider
Forecasted Costs	\$23,009,335	\$23,617,465	\$39,024,089	\$38,260,881	\$36,455,650
True-Up Adjustment	\$4,669,609	\$7,626,400	\$393,687	\$3,327,404	\$723,180
Balance to Recover	\$27,678,944	\$31,243,865	\$39,417,776	\$41,588,285	\$37,178,829
Rate Factor	\$0.000902	\$0.001034	\$0.001318	\$0.001417*	\$0.001289
* NOTE: The 2019 RDF factor of \$0.001417 was approved by the Commission in its December 21, 2018 Order in Docket No. E002/M-18-628, but was subsequently lowered to \$0.001357 in the Commission’s April 9, 2019 Order. The RDF rate factor was reduced because the actual payment to the MMB was lower than forecast. The Company addresses this issue more fully in Section V.B.1.f.					

Going forward, we anticipate the amount of recovered costs will 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 2020 RDF rate rider factor of \$0.001289 per kWh (to recover a total amount of \$37,178,829) beginning January 1, 2020 and
- The 2019 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, 2019. 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, 2020.

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

Lynnette Sweet
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 Ms. Sweet at the Regulatory Records email address above.

V. DESCRIPTION AND PURPOSE OF FILING

The purpose of this filing is to seek approval for a 2020 RDF rate rider factor of \$0.001289 per kWh to be applied to Minnesota customer energy usage beginning January 1, 2020. We are proposing to recover a total amount of \$37,178,829 consisting of (1) the \$14.9 million payment to MMB; (2) \$19.1 million for other legislative mandates; (3) \$2.4 million for known and measurable expenses related to legacy RDF projects and (4) \$0.7 million in 2019 under recovery of RDF expenses (approximately 30 percent of the true-up expenses are related to the other legislative mandates and approximately 70 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 2020;
- Forecasted expenditures not submitted for cost recovery in 2020;
- 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: 2018 Rate Rider Calculation
- Attachment 2: 2019 Rate Rider Calculation
- Attachment 3: 2020 Rate Rider Calculation
- Attachment 4: 2021 Rate Rider Calculation
- Attachments 5-9: Annual Compliance Report
- Attachment 10: RDF Projects Not Included in 2019 – 2020 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 23)

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

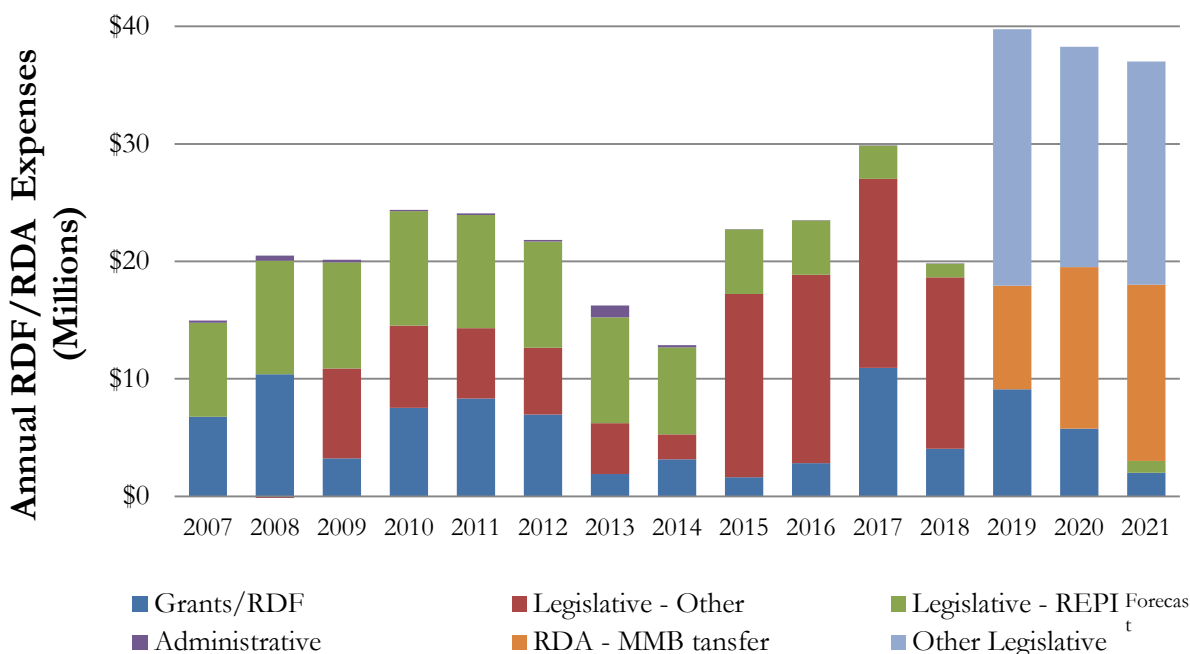
² *In the Matter of the Request of Northern States Power Company d/b/a Xcel Energy for Approval of a Renewable Development Fund Oversight Process*, Docket No. E-002/M-00-1583, ORDER ADOPTING PROPOSAL FOR OVERSIGHT AND OPERATION OF RENEWABLE DEVELOPMENT FUND (Apr. 20, 2001)

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.

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 2021 in Figure 1 does not include an estimate for the Bergey Windpower RDF grant, which has 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 2020 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 2020:

- (1) The annual payment to the MMB
- (2) Payments made to fulfill other legislative mandates,
- (3) Payments made to legacy RDF grant projects, and
- (4) True up expenses for costs under-recovered in our 2019 RDF rate rider.

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

The Commission’s Order in on the Company’s 2018 RDF Rate Rider⁵ directed that RDF costs be broken down into two categories (1) the legacy RDF and (2) the new RDA.⁶ In last years’ RDF rate filing, Docket No. E002/M-18-628, the Company categorized all legislative mandates (including the MMB payment) as “RDA Costs” because it reflected which entity—the legislature or the Commission—allocated the money. In its comments last year, the Department noted that it disagreed with the Company’s characterization that other legislative mandates were related to the RDA (but because the disagreement on how to categorize costs didn’t impact the Department’s recommendation, the Commission didn’t explicitly weight in on how the costs should be categorized). As we explained in our reply comments in last year’s proceeding, we have no objection to categorizing the costs differently. To that end, this year, we’ve categorized the costs differently as can be seen in Table 1 above and Table ~~3~~ below. The payment to the MMB is the only cost we’ve attributed to the RDA. The other legislative mandates and legacy RDF costs have been categorized as relating to the RDF, but have been subdivided, so stakeholders can see how the costs related to other legislative mandates relate to legacy RDF projects. Under this categorization, about 40 percent of the costs the Company seeks to recover in this rider relate to RDA and 60 percent relate to the RDF. More detail can be seen in Table 3 below.

Table 3

Summary of 2020 RDF/RDA Recoverable Costs		
RDA Recoverable Costs		
MMB Payment	\$ 14,852,115	
Total RDA Disbursements		39.95%
RDF Recoverable Costs		
Other Legislative Mandates	\$ 19,380,652	52.13%
Legacy RDF Projects	\$ 2,946,062	7.92%
Total RDF Disbursements		60.05%
Total 2020 RDF/RDA Expenses		100.00%

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 2020 RDF Rate Rider Factor includes \$34,000,000 for six mandated legislative initiatives as described below. The legislative initiatives consist of:

- \$620,835 for Renewable Energy Production Incentive (REPI) payments
- \$21,578 for the Minnesota Bonus Solar Rebate Program
- \$5,205,472 for the Solar*Rewards Program
- \$6,800,000 for the Laurentian Initiative
- \$6,500,000 for the City of Benson Initiative
- \$14,852,115 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 2020 RDF tracker account includes payments in the amount of \$620,835 for the state REPI program. This program is funded in full through the RDF. This amount is based on a forecast provided by the Minnesota Department of Commerce and includes \$620,835 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, 2017, 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 2020 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 \$21,578 in Minnesota Bonus Solar Rebate Program payments forecasted to be made through December 31, 2020. This program is funded in full through the RDF. 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 installment was expected to be paid in 2019, but the small amount noted here is expected to carry over into 2020. 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 \$5,205,472 in Solar Energy Incentive Program incentive payments forecasted to be made through December 31, 2020. This program is funded in full through the RDF. 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 40 kW alternating 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 a payment to Laurentian Energy Authority forecasted to be made July 2020, an appropriation funded in full through the RDF. This forecasted payment is legislatively mandated, and as shown on Attachment 6, the Laurentian Energy Authority payment is a once-a-year, annual disbursement. The July 2020 disbursement will be the fourth of five \$6,800,000 annual payments to Laurentian Energy Authority.

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).

⁷ Previous versions of Minn. Stat. §116C.7792 had the eligible capacity for Solar*Rewards incentive at 20 kW direct current.

⁸ Docket No. E,G002/CIP-13-1015.

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 a payment to the City of Benson forecasted to be made June 2020, an appropriation funded in full through the RDF. This forecasted payment is legislatively mandated. As shown on Attachment 6, the City of Benson payment is a once-a-year, annual disbursement. This will be the third of four annual disbursements to the City of Benson.

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 for 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

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 2020, our obligation for the storage of dry casks located at Prairie Island and Monticello is \$34,000,000. If one were to subtract the amount of the 2020 legislative mandates described above, including the Solar*Rewards withholding from the Company’s total obligation, it equals the \$14,852,115 the Company must transfer to the MMB pursuant to the 2017 legislative

changes. This payment is statutorily required to be made in early 2020. The payment to the MMB is the largest cost component of the Company's RDF rate rider, accounting for over 40 percent of our total request. This initiative is funded in full through the RDA and 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. This transfer monetizes new unencumbered funds which are eligible to be recovered.

As mentioned in the note to Table 2 above, last year our actual payment to the MMB was less than the amount we forecasted in last year's RDF rate rider petition. The Company made a filing in March 2019 to lower the RDF rate factor mid-year to account for the lower actual MMB payment. Had the Company not made the March 2019 filing, the fact that customers paid less in the MMB payment would have been reflected in this year's true-up, so the issue is one of timing, not over payment.

The Company has confidence in the forecast it put together for this rate rider and at this time has no reason to believe that the actual amount of the MMB payment will differ from the number presented here, but considering the unique circumstances of the MMB payment (which accounts for 40 percent of the Company's overall request and will be known with certainty shortly after the Commission customarily makes its decision on the Company's rate rider petition), the Company understands that the Commission and other stakeholders may wish to continue trueing up the costs more quickly. To that end, the Company proposes the following order point, which is consistent with order point 3 in Docket No. E002/M-18-628:

- Require the Company, within 10 days of making the 2020 transfer payment to MMB, to file a letter in the current docket notifying the Commission of the transfer.

If the actual payment to the MMB is less than the \$14,852,115 forecast in this petition, we will request a true-up mid-year, just as we did last year.

2. RDF Grant Project Payments

The total of RDF grant project expenses expected to be incurred in 2020 is \$2,466,227, which includes \$2,456,375 of Minnesota jurisdictional expenses for recovery as part of our 2020 known and measurable costs and \$9,852 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:

- 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 (within 21 days of the due date) 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. 2019 True-up Expenses

As authorized by the 2011 Order, we have included \$723,180 of RDF project payments not recovered in 2019 as part of the 2020 RDF rate rider factor. These true-up expenses were calculated as follows:

Revenue

Electric Sales	\$40,143,405
Total:	\$40,143,405

Expenses

RDA Expenses

MMB Transfer	\$12,566,510
Other Legislative Mandates	\$16,945,130
Total RDA Expenses	\$29,511,640

RDF Expenses

Grant Disbursements	\$9,530,967
RDF Administration	\$0
Total RDF Expenses	\$9,530,967

2019 True-up Expenses	\$1,823,978
Total Expenses:	\$40,866,585

2019 True Up	\$723,180
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C. Expenditures Not Submitted for Cost Recovery

This section discusses costs that we have not included in our 2020 cost recovery request. Though these costs could be incurred in 2020 and thus may contribute to our under recovery of RDF expenses, we will true up any of these under-recovered costs in our 2021 RDF Rate Rider request, in accordance with the Commission's March 17, 2011 Order and our previous filings.

1. RDF Grant Project Payments

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

All Cycle 4 projects⁹ 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. There are \$486,600 of forecasted project payments for the Bergey Windpower (EP4-24) energy production project that do not meet the known and measurable criteria and are therefore not included in our 2020 cost recovery request. These payments have been itemized on Attachment 10. If these costs are paid in 2020, the potential for under recovery of RDF expenses is increased.

⁹ 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.

It is possible that Bergey Windpower may complete some milestones in 2020 and receive some grant payments. We will request cost recovery for any disbursements made to this RDF project during the next twelve months in our October 1, 2021 RDF Rate Rider filing. See Attachment 10 for details regarding forecasted payments that do not meet the known and measurable criteria for recovery in 2020.

2. RDF/RDA Administrative Expenses

While the Company does incur administrative costs to administer the RDF, the Company is not requesting recovery of RDF administrative expenses in this filing. 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.¹⁰ Therefore, the Company is not requesting recovery from Minnesota electric customers for any RDF administrative costs in 2020.

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.

Attachments 1 and 2 provide RDF/RDA actual expenditures and receipts and the true-up report for calendar years 2018 and 2019, respectively, including actual costs and revenues through August 2019.

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

¹⁰September 25, 2018 Order in Docket No. E002/M-17-712 (disallowance of RDF/RDA administrative costs).

After adjusting for the 2019 under-recovery of \$723,180, we propose to recover RDF/RDA expenditures of \$37,178,829 in 2020, as detailed on Attachment 3. In order to recover 2020 RDF/RDA expenses, we propose a 2020 RDF Rate Rider Factor of \$0.001289 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 2021 RDF/RDA expenditures will be \$33,399,116, as detailed on Attachment 4. We are also estimating, for informational purposes only, that the 2021 RDF Rate Rider Factor will be \$0.001176 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 2021 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

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.

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 2020 RDF Rate Rider. This means that the administrative cost allocation and cap on administrative expenses was not a factor in calculation of the 2019 and 2020 RDF rate rider factors.

In last years' filing, we provided compliance on the administrative expenses-related Order points for informational purposes, but explained that we did not plan to provide this information in future filings unless directed otherwise. Therefore, this information is no longer submitted with our RDF rate rider petition.

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 September 2018–August 2019, and forecast monthly sales are used for the calculation of the allocator for September 2019–August 2020. 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 2020 RDF Rate Rider calculation is included in Attachment 3.

The Minnesota State sales allocator used in the 2020 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, 2018 Xcel Energy has incurred a total liability of \$359,450,000 for funding the RDF. A total of \$316,366,293 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 \$306,428,263¹¹ from electric ratepayers for RDF expenses. As of December 31, 2018 the RDF had an unencumbered cumulative balance of \$28,767,636.

Table 6: RDF Liabilities and Obligations

RDF Program Summary	
Category	Amount as of December 31, 2018
The total liability the Company has incurred under Minn. Stat. §116.799	\$359,450,000
The Company’s aggregate payments for approved renewable development projects and legislative mandates	\$316,366,293
The total amount recovered through the fuel clause adjustment mechanism and RDF rate rider factor for RDF costs	\$12,202,440 (Fuel Clause) ¹² <u>\$294,225,823 (RDF Rate Rider)</u> \$306,428,263 (Total Recovered)
The unencumbered cumulative balance remaining in the fund	\$28,767,636 ¹³

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

¹¹ When preparing this filing, the Company realized it was using billed revenues rather than actual revenues to calculate the total amount of recovery through the RDF rate rider factor. This number has been updated to reflect actual revenues. We believe this more accurately represents the information requested in Table 6 (i.e., “the total amount recovered through the . . . RDF rate rider factor for RDF costs”). This number is provided to the Commission in compliance with the December 21, 2012 Order, but does not impact the calculation of this years’ RDF rate rider factor.

¹² RDF expenses were initially recovered through the fuel clause before the Commission decided to set up a specific RDF Rate Rider.

¹³ As it customarily does, this table provides information as of the last fill calendar year (in this case, December 31, 2018).

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 projects¹⁴ 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 refunds of 2018 SES related RDF/RDA costs were credited to the two exempt customers in March 2019 totaling \$39,210.¹⁵ These refunded costs will be included in the present docket's 2019 costs as a separate line item.

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 decreased from \$0.001357 per kWh to \$0.001289 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 decrease Xcel Energy's 2020 revenues by \$4,409,454 compared to 2019. This assumes 2019 revenues will total

¹⁴ 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.

¹⁵ Docket No. E002/M-17-425

\$41,588,284 and 2020 revenues will total \$37,178,830. 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, unless it relates to a lower actual MMB payment as described above.

CONCLUSION

We respectfully request approval from the Commission to change the RDF Rate Rider Factor from \$0.001357 per kWh to \$0.001289 per kWh effective January 1, 2020. 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, 2019

Northern States Power Company

STATE OF MINNESOTA
BEFORE THE
MINNESOTA PUBLIC UTILITIES COMMISSION

Kaite J. Sieben	Chair
Dan Lipschultz	Commissioner
Valerie Means	Commissioner
Matthew Schuenger	Commissioner
John Tuma	Commissioner

IN THE MATTER OF THE PETITION OF
NORTHERN STATES POWER COMPANY
FOR APPROVAL OF THE 2019 RENEWABLE
DEVELOPMENT FUND ANNUAL REPORT,
TRACKER ACCOUNT TRUE-UP, AND 2020
RATE RIDER FACTOR

DOCKET NO. E002/M-19-_____

PETITION

SUMMARY OF FILING

Please take notice that on October 1, 2019 Northern States Power Company, doing business as Xcel Energy, filed with the Minnesota Public Utilities Commission a Petition requesting approval of the 2020 Renewable Development Fund (RDF) rate rider factor beginning January 1, 2020 and approval of the 2019 RDF annual report.

**2019 RDF Rate Rider Petition
Attachment List**

Attachment	Description
Attachment 1	2018 RDF Rider Calculation
Attachment 2	2019 RDF Rider Calculation
Attachment 3	2020 RDF Rider Calculation
Attachment 4	2021 RDF Rider Calculation
Attachment 5	Annual Compliance Report-Forecast
Attachment 6	Annual Compliance Report-Cycle 1 Projects Actuals through August 2019, Forecast through December 2021
Attachment 7	Annual Compliance Report-Cycle 2 Projects Actuals through August 2019, Forecast through December 2021
Attachment 8	Annual Compliance Report-Cycle 3 Projects Actuals through August 2019, Forecast through December 2021
Attachment 9	Annual Compliance Report-Cycle 4 Projects Actuals through August 2019, Forecast through December 2020
Attachment 10	RDF Previous Cycle Projects Not Included in 2019-2020 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
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	Actual Sep 2018	Actual Oct 2018	Actual Nov 2018	Actual 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	\$ -	\$ -	\$ -	\$ 887,403	\$ 132,847	\$ 5,174,230
Other Legis Mandates	\$ 519,273	\$ 103,760	\$ 185,188	\$ 344,312	\$ 11,621	\$ 14,710,975	\$ 4,316,315	\$ 26,773	\$ 84,456	\$ 673,969	\$ 9,889	\$ 66,791	\$ 21,053,323
REPI	\$ 61,557	\$ 64,817	\$ 74,731	\$ 53,956	\$ 135,592	\$ 46,297	\$ 60,587	\$ 64,833	\$ 78,031	\$ 84,370	\$ 66,124	\$ 49,510	\$ 840,405
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 580,830	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 1,061,347	\$ 162,487	\$ 758,339	\$ 2,613,416	\$ 249,148	\$ 29,687,700
RDA EXPENSES													
MMB	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885
Total RDA Expenses	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885
Total RDF Expense	\$ 9,398,715	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 1,061,347	\$ 162,487	\$ 758,339	\$ 2,613,416	\$ 249,148	\$ 38,505,585
MN State Sales Allocator	82.6628%	82.8078%	82.8004%	83.1669%	83.5554%	84.1348%	84.4397%	84.0401%	83.5032%	82.4299%	82.7443%	83.0271%	
MN Administrative Cost Allocator	91.7887%	91.8574%	91.8539%	92.0274%	92.2114%	92.4859%	92.6303%	92.4410%	92.1867%	91.6784%	91.8273%	91.9612%	

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	Actual Sep 2018	Actual Oct 2018	Actual Nov 2018	Actual Dec 2018	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 814,971	\$ -	\$ -	\$ 1,365,281	\$ -	\$ 2,180,252
Category B Projects - R&D and HE	\$ -	\$ -	\$ 2,106,514	\$ 521,162	\$ 410,344	\$ 969,486	\$ 146,474	\$ -	\$ -	\$ -	\$ 887,403	\$ 132,847	\$ 5,174,230
Other Legis Mandates	\$ 519,273	\$ 103,760	\$ 185,188	\$ 344,312	\$ 11,621	\$ 14,710,975	\$ 4,316,315	\$ 26,773	\$ 84,456	\$ 673,969	\$ 9,889	\$ 66,791	\$ 21,053,323
REPI	\$ 61,557	\$ 64,817	\$ 74,731	\$ 53,956	\$ 135,592	\$ 46,297	\$ 60,587	\$ 64,833	\$ 78,031	\$ 84,370	\$ 66,124	\$ 49,510	\$ 840,405
Administrative Costs (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 580,830	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 906,577	\$ 162,487	\$ 758,339	\$ 2,328,697	\$ 249,148	\$ 29,248,211
RDA EXPENSES													
MMB	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885
Total RDA Expenses	\$ 8,817,885	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885
Expense Recovery	\$ 9,398,715	\$ 168,577	\$ 2,366,433	\$ 919,430	\$ 557,557	\$ 15,726,759	\$ 4,523,376	\$ 906,577	\$ 162,487	\$ 758,339	\$ 2,328,697	\$ 249,148	\$ 38,066,096

Total 2018 RDF Expense Recovery	\$ 38,066,096
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	\$ 35,012,877

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	Actual Sep 2018	Actual Oct 2018	Actual Nov 2018	Actual 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	2,536,443,071	2,323,426,687	2,300,971,359	2,512,051,619	30,449,373,077
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	Actual Sep 2018	Actual Oct 2018	Actual Nov 2018	Actual 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	\$ 162,487	\$ 758,339	\$ 2,328,697	\$ 249,148	\$ 38,066,096	
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	\$ 2,658,115	\$ 2,874,592	\$ 2,812,328	\$ 3,265,515	\$ 33,188,899	
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)	\$ (2,495,628)	\$ (2,116,253)	\$ (483,631)	\$ (3,016,367)	\$ 1,823,978	

2018 RDF Rider True-Up \$ 1,823,978

RENEWABLE DEVELOPMENT FUND
2019 Rider Calculation
State of Minnesota Recovery

2019 RDF Expenses

	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019	Actual Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ 511,229	\$ -	\$ -	\$ 917,250	\$ -	\$ 2,233,654	\$ -	\$ -	\$ -	\$ 710,551	\$ 4,372,684
Category B Projects - R&D and HE	\$ 108,946	\$ -	\$ 15,100	\$ -	\$ -	\$ -	\$ 167,090	\$ 309,210	\$ 783,171	\$ 169,653	\$ 947,980	\$ 2,992,034	\$ 5,493,183
Other Legis Mandates	\$ 706,557	\$ 327,418	\$ 276,558	\$ 257,891	\$ 13,228,731	\$ 96,466	\$ 13,851	\$ 805,939	\$ 3,261	\$ 847	\$ 11,847	\$ 1,215,763	\$ 16,945,130
REPI	\$ 54,166	\$ 81,252	\$ 68,879	\$ 59,416	\$ 42,298	\$ -	\$ 5,133	\$ 42,230	\$ 9,952	\$ 9,952	\$ 9,952	\$ 9,952	\$ 393,181
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 869,670	\$ 408,670	\$ 871,765	\$ 317,307	\$ 13,271,030	\$ 1,013,716	\$ 186,074	\$ 3,391,033	\$ 796,383	\$ 180,452	\$ 969,779	\$ 4,928,300	\$ 27,204,178
RDA EXPENSES													
MMB	\$ 12,566,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,566,510
Total RDA Expenses	\$ 12,566,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,566,510
Total RDF/RDA Expense	\$ 13,436,180	\$ 408,670	\$ 871,765	\$ 317,307	\$ 13,271,030	\$ 1,013,716	\$ 186,074	\$ 3,391,033	\$ 796,383	\$ 180,452	\$ 969,779	\$ 4,928,300	\$ 39,770,688
MN State Sales Allocator	82.9152%	82.6958%	83.0173%	82.6262%	82.9064%	83.8921%	83.7969%	83.3696%	83.2650%	82.6477%	82.5263%	82.8239%	
MN Administrative Cost Allocator	91.9082%	91.8043%	91.9566%	91.7713%	91.9041%	92.3709%	92.3258%	92.1234%	92.0739%	91.7815%	91.7240%	91.8650%	

2019 RDF Rider Recovery

	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019	Actual Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ 424,409	\$ -	\$ -	\$ 769,500	\$ -	\$ 1,862,188	\$ -	\$ -	\$ -	\$ 588,506	\$ 3,644,603
Category B Projects - R&D and HE	\$ 108,946	\$ -	\$ 15,100	\$ -	\$ -	\$ -	\$ 167,090	\$ 309,210	\$ 783,171	\$ 169,653	\$ 947,980	\$ 2,992,034	\$ 5,493,183
Other Legis Mandates	\$ 706,557	\$ 327,418	\$ 276,558	\$ 257,891	\$ 13,228,731	\$ 96,466	\$ 13,851	\$ 805,939	\$ 3,261	\$ 847	\$ 11,847	\$ 1,215,763	\$ 16,945,130
REPI	\$ 54,166	\$ 81,252	\$ 68,879	\$ 59,416	\$ 42,298	\$ -	\$ 5,133	\$ 42,230	\$ 9,952	\$ 9,952	\$ 9,952	\$ 9,952	\$ 393,181
Administrative Costs (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 869,670	\$ 408,670	\$ 784,945	\$ 317,307	\$ 13,271,030	\$ 865,966	\$ 186,074	\$ 3,019,568	\$ 796,383	\$ 180,452	\$ 969,779	\$ 4,806,255	\$ 26,476,097
RDA EXPENSES													
MMB	\$ 12,566,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,566,510
Total RDA Expenses	\$ 12,566,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,566,510
Expense Recovery	\$ 13,436,180	\$ 408,670	\$ 784,945	\$ 317,307	\$ 13,271,030	\$ 865,966	\$ 186,074	\$ 3,019,568	\$ 796,383	\$ 180,452	\$ 969,779	\$ 4,806,255	\$ 39,042,607

RDF	1,401,460	018 True-up Amount to be Included in the Calculation of the 2019 RDF Rider	\$ 39,042,607
RDA	422,518	Total Amount to be Recovered Through the 2019 Rider	\$ 1,823,978
			\$ 40,866,585

2019 RDF Rider Calculation

	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019	Actual Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
2019 MN Calendar Month kWh Sales	2,534,050,237	2,211,435,339	2,503,585,328	2,166,737,498	2,285,433,991	2,457,615,156	2,883,240,200	2,678,658,755	2,382,062,312	2,277,617,568	2,214,532,255	2,493,025,718	29,087,994,357
2019 Minnesota RDF Rider Factor													
													May 1-Dec 31, 20
													\$ 0.001417
													\$ 0.001357

2019 RDF Tracker Calculation

	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019	Actual Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019	Total
Previous Year True-Up	\$ 1,823,978												\$ 1,823,978
Actual Expenses	\$ 13,436,180	\$ 408,670	\$ 784,945	\$ 317,307	\$ 13,271,030	\$ 865,966	\$ 186,074	\$ 3,019,568	\$ 796,383	\$ 180,452	\$ 969,779	\$ 4,806,255	\$ 1,823,978
Actual Retail Rider Revenues	\$ 3,584,292	\$ 3,218,752	\$ 3,665,386	\$ 3,234,214	\$ 3,056,546	\$ 3,040,659	\$ 3,825,111	\$ 3,807,105	\$ 3,232,459	\$ 3,090,727	\$ 3,005,120	\$ 3,383,036	\$ 39,042,607
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,143,405
Balance	\$ 11,675,865	\$ (2,810,082)	\$ (2,880,441)	\$ (2,916,907)	\$ 10,214,484	\$ (2,174,693)	\$ (3,639,037)	\$ (787,537)	\$ (2,436,075)	\$ (2,910,275)	\$ (2,035,342)	\$ 1,423,219	\$ 723,180

2019 RDF Rider True-Up

\$ 723,180

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	\$ 204,107	\$ 197,574	\$ 279,253	\$ 37,629	\$ 73,628	\$ 1,203,526	\$ 48,257	\$ 100,000	\$ 160,933	\$ -	\$ 100,000	\$ -	\$ 2,404,907
Other Legis Mandates	\$ 5,227,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,527,050
REPI	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 620,835
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 5,482,893	\$ 310,630	\$ 330,989	\$ 89,365	\$ 125,364	\$ 1,255,262	\$ 13,399,993	\$ 151,736	\$ 212,669	\$ 51,736	\$ 151,736	\$ 51,736	\$ 21,614,112
RDA EXPENSES													
MMB	\$ 14,852,115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,852,115
Total RDA Expenses	\$ 14,852,115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,852,115
													\$ -
Total RDF/RDA Expense	\$ 20,335,008	\$ 310,630	\$ 330,989	\$ 89,365	\$ 125,364	\$ 1,255,262	\$ 13,399,993	\$ 151,736	\$ 212,669	\$ 51,736	\$ 151,736	\$ 51,736	\$ 36,466,227

MN State Sales Allocator	82.7342%	82.7510%	82.7469%	82.5266%	82.6704%	83.4539%	84.1962%	83.5336%	83.0291%	82.4149%	82.3071%	82.6462%	
MN Administrative Cost Allocator	91.8225%	91.8305%	91.8285%	91.7242%	91.7923%	92.1634%	92.5149%	92.2011%	91.9622%	91.6713%	91.6202%	91.7808%	

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	\$ -	\$ 50,743	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,743
Category B Projects - R&D	\$ 204,107	\$ 197,574	\$ 279,253	\$ 37,629	\$ 73,628	\$ 1,203,526	\$ 48,257	\$ 100,000	\$ 160,933	\$ -	\$ 100,000	\$ -	\$ 2,404,907
Other Legis Mandates	\$ 5,227,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,527,050
REPI	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 51,736	\$ 620,835
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 5,482,893	\$ 300,053	\$ 330,989	\$ 89,365	\$ 125,364	\$ 1,255,262	\$ 13,399,993	\$ 151,736	\$ 212,669	\$ 51,736	\$ 151,736	\$ 51,736	\$ 21,603,535
RDA EXPENSES													
MMB	\$ 14,852,115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,852,115
Total RDA Expenses	\$ 14,852,115	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,852,115
Expense Recovery	\$ 20,335,008	\$ 300,053	\$ 330,989	\$ 89,365	\$ 125,364	\$ 1,255,262	\$ 13,399,993	\$ 151,736	\$ 212,669	\$ 51,736	\$ 151,736	\$ 51,736	\$ 36,455,650

Total 2020 RDF Expense Recovery	\$ 36,455,650
RDF	\$ 490,412
RDA	\$ 232,767
Total 2020 RDF Expense Recovery	\$ 36,455,650
2019 True-up Amount to be Included in the Calculation of the 2020 RDF Rider	\$ 723,180
Total Amount to be Recovered Through the 2020 Rider	\$ 37,178,830

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	2,488,099,651	2,228,330,755	2,376,963,296	2,092,983,300	2,235,733,087	2,530,300,591	2,898,654,657	2,779,060,381	2,340,779,920	2,236,098,768	2,178,252,198	2,460,198,598	28,845,455,202
2020 Minnesota RDF Rider Factor													\$ 0.001289

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	\$ 723,180												\$ 723,180
Actual Expenses	\$ 20,335,008	\$ 300,053	\$ 330,989	\$ 89,365	\$ 125,364	\$ 1,255,262	\$ 13,399,993	\$ 151,736	\$ 212,669	\$ 51,736	\$ 151,736	\$ 51,736	\$ 36,455,650
Actual Retail Rider Revenues	\$ 3,206,905	\$ 2,872,090	\$ 3,063,662	\$ 2,697,641	\$ 2,881,630	\$ 3,261,298	\$ 3,736,068	\$ 3,581,924	\$ 3,017,025	\$ 2,882,102	\$ 2,807,543	\$ 3,170,943	\$ 37,178,830
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 17,851,283	\$ (2,572,036)	\$ (2,732,672)	\$ (2,608,275)	\$ (2,756,266)	\$ (2,006,035)	\$ 9,663,925	\$ (3,430,187)	\$ (2,804,356)	\$ (2,830,365)	\$ (2,655,807)	\$ (3,119,207)	\$ -

2020 RDF Rider True-Up **\$ -**

See Attachment 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
2021 Rider Calculation
State of Minnesota Recovery

2021 RDF Expenses

	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast Jun 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Category B Projects - R&D and HE	\$ 100,000	\$ 100,027	\$ 160,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 360,959
Other Legis Mandates	\$ 5,785,759	\$ -	\$ -	\$ -	\$ -	\$ 6,800,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,585,759
REPI	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 518,780
Total Admin Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 5,928,991	\$ 143,259	\$ 204,164	\$ 43,232	\$ 43,232	\$ 6,843,232	\$ 3,043,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 16,465,498
RDA EXPENSES													
MMB	\$ 16,933,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,933,618
Total RDA Expenses	\$ 16,933,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,933,618

Total RDF Expense	\$ 22,862,609	\$ 143,259	\$ 204,164	\$ 43,232	\$ 43,232	\$ 6,843,232	\$ 3,043,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 33,399,116
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MN State Sales Allocator	82.6163%	82.4962%	82.6113%	82.3318%	82.4431%	83.2750%	84.0496%	83.3740%	82.8563%	82.2584%	82.1827%	82.5787%	
MN Administrative Cost Allocator	91.7667%	91.7098%	91.7643%	91.6319%	91.6846%	92.0786%	92.4455%	92.1255%	91.8803%	91.5971%	91.5613%	91.7488%	

2021 RDF Rider Recovery

	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast Jun 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	Total
RDF EXPENSES													
Category A Projects - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Category B Projects - R&D and HE	\$ 100,000	\$ 100,027	\$ 160,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 360,959
Other Legis Mandates	\$ 5,785,759	\$ -	\$ -	\$ -	\$ -	\$ 6,800,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,585,759
REPI	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 518,780
Administrative Costs (1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total RDF Expenses	\$ 5,928,991	\$ 143,259	\$ 204,164	\$ 43,232	\$ 43,232	\$ 6,843,232	\$ 3,043,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 16,465,498
RDA EXPENSES													
MMB	\$ 16,933,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,933,618
Total RDA Expenses	\$ 16,933,618	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 16,933,618

Expense Recovery	\$ 22,862,609	\$ 143,259	\$ 204,164	\$ 43,232	\$ 43,232	\$ 6,843,232	\$ 3,043,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 33,399,116
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Total 2021 RDF Expense Recovery	\$ 33,399,116
2020 True-up Amount to be Included in the Calculation of the 2021 RDF Rider	\$ -
Total Amount to be Recovered Through the 2021 Rider	\$ 33,399,116

2021 RDF Rider Calculation

	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast Jun 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	Total
2017 MN Calendar Month kWh Sales	2,460,446,266	2,112,665,395	2,350,917,074	2,060,528,336	2,194,958,317	2,492,767,944	2,859,166,280	2,743,109,412	2,308,606,231	2,207,174,447	2,159,039,762	2,445,845,594	28,395,225,059
2021 Minnesota RDF Rider Factor													\$ 0.001176

2021 RDF Tracker Calculation

	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast Jun 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	Total
Previous Year True-Up	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Actual Expenses	\$ 22,862,609	\$ 143,259	\$ 204,164	\$ 43,232	\$ 43,232	\$ 6,843,232	\$ 3,043,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 43,232	\$ 33,399,116
Actual Retail Rider Revenues	\$ 2,894,033	\$ 2,484,966	\$ 2,765,203	\$ 2,423,641	\$ 2,581,760	\$ 2,932,051	\$ 3,363,017	\$ 3,226,508	\$ 2,715,436	\$ 2,596,129	\$ 2,539,512	\$ 2,876,860	\$ 33,399,116
Grant Project Revenue	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Balance	\$ 19,968,575	\$ (2,341,707)	\$ (2,561,039)	\$ (2,380,409)	\$ (2,538,529)	\$ 3,911,181	\$ (319,785)	\$ (3,183,277)	\$ (2,672,204)	\$ (2,552,898)	\$ (2,496,280)	\$ (2,833,628)	\$ -

2021 RDF Rider True-Up	\$ -
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See Attachment 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report

Work Order	Contract Number	Project Status	Contract Awardee	Project	Amount Awarded	Amount Dispersed through August 2019	Forecast of Future Payments			Total Disbursement (Actual + Forecast)	Difference Between Award and Forecast
							September to December 2019	2020	2021		
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	Terminated	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 Ctr	Co Firing	\$ 444,478	\$ 444,443	\$ -	\$ -	\$ -	\$ 444,443	\$ (35)
10184548	BB10	Complete	NREL (MagStar Tech & Comm Pwr Corp	Centrifugal Filter	\$ 638,635	\$ 548,692	\$ -	\$ -	\$ -	\$ 548,692	\$ (89,943)
10184557	BB12	Complete	U of ND Energy & Environ Research Ctr	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 Ctr	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	\$ 29,511,356	\$ 5,603,389	\$ 2,466,227	\$ 360,959	\$ 37,941,931	\$ (1,623,017)

RENEWABLE DEVELOPMENT FUND
Annual Compliance Report

Work Order	Contract Number	Project Status	Contract Awardee	Project	Amount Awarded	Amount Dispersed through August 2019	Forecast of Future Payments			Total Disbursement (Actual + Forecast)	Difference Between Award and Forecast
							September to December 2019	2020	2021		
Other Legislative Mandates											
n/a	Benson (16)	Ongoing	City of Benson	Economic Development	\$ 20,000,000	\$ 10,500,000	\$ -	\$ 6,500,000	\$ 3,000,000	\$ 20,000,000	\$ -
n/a	Laurentian (15)	Ongoing	Laurentian Energy Authority	2017-2021	\$ 34,000,000	\$ 20,400,000	\$ -	\$ 6,800,000	\$ 6,800,000	\$ 34,000,000	\$ -
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	\$ 21,384,395	\$ -	\$ 14,852,115	\$ 16,933,618	\$ 53,170,128	\$ (310,829,872)
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	\$ 19,596,162	\$ -	\$ 21,578	\$ -	\$ 19,617,740	\$ (1,382,260)
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	\$ 4,002,879	\$ 1,231,718	\$ 5,205,472	\$ 5,785,759	\$ 16,225,828	\$ (8,774,172)
	Solar Energy Standard Exemption	Ongoing	Solar Energy Standard Exemption	Solar Program Incentives		\$ 116,333					
Total Legislative Mandates					\$ 633,375,000	\$ 173,352,069	\$ 1,231,718	\$ 33,379,165	\$ 32,519,377	\$ 240,365,996	\$ (393,009,004)
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	\$ 6,934,107	\$ 39,807	\$ 620,835	\$ 518,780	\$ 8,113,530	\$ (2,386,470)
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	\$ 92,993,543	\$ 39,807	\$ 620,835	\$ 518,780	\$ 94,172,965	\$ 32,572,965
TOTAL All Legislative Mandates					\$ 694,975,000	\$ 266,345,612	\$ 1,271,525	\$ 34,000,000	\$ 33,038,157	\$ 334,538,961	\$ (360,436,039)
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.				\$ -	\$ 168,301	\$ -	\$ -	\$ -	\$ 168,301	\$ 168,301
TOTAL Cycle 4 Admin Costs					\$ -	\$ 168,301	\$ -	\$ -	\$ -	\$ 168,301	\$ 168,301
TOTAL Admin Costs					\$ 114,650	\$ 1,417,077	\$ -	\$ -	\$ -	\$ 1,417,077	\$ 1,302,427
TOTAL ALL RDF					\$ 792,156,288	\$ 348,379,375	\$ 6,874,913	\$ 36,466,227	\$ 33,399,116	\$ 425,003,300	\$ (367,152,988)

See Attachment 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
Annual Compliance Report
Actuals through August 2019
Forecast through December 2021

Work Order	Contract Number	Project Status	Total Amount Awarded	Actual Through Dec 2018	Actual Jan 2019	Actual Feb 2019	Actual Mar 2019	Actual Apr 2019	Actual May 2019	Actual Jun 2019	Actual Jul 2019	Actual Aug 2019	Forecast Sep 2019	Forecast Oct 2019	Forecast Nov 2019	Forecast Dec 2019
Cycle 1 Projects																
Category A																
10184513	AB07	Complete	\$ 1,200,000	\$ 1,100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184517	AH01	Terminated	\$ 5,100,000	\$ 1,538,591	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184529	AS05	Complete	\$ 1,150,000	\$ 1,150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184532	AS06	Complete	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184533	AW03	Complete	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184535	AW10	Complete	\$ 752,835	\$ 752,835	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Subtotal Category A			\$ 9,502,835	\$ 5,541,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Category B/C																
10184536	BB03	Complete	\$ 738,654	\$ 738,645	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184539	BB06	Complete	\$ 266,508	\$ 257,247	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184542	BB09	Complete	\$ 444,478	\$ 444,443	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184548	BB10	Complete	\$ 638,635	\$ 548,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184557	BB12	Complete	\$ 60,000	\$ 59,981	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184560	BW06	Complete	\$ 68,470	\$ 62,346	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184564	CB07	Complete	\$ 1,116,742	\$ 1,116,742	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184566	CB08	Complete	\$ 1,250,142	\$ 1,250,056	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184570	CS05	Complete	\$ 934,628	\$ 924,757	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184573	CW02	Complete	\$ 75,000	\$ 73,239	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184576	CW06	Complete	\$ 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	\$ -	\$ -	\$ -	\$ -	\$ 6,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	Laurentian (15)	Ongoing	\$ 34,000,000	\$ 13,600,000	\$ -	\$ -	\$ -	\$ -	\$ 6,800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	DEED (17)	Ongoing	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
n/a	MMB (14)	Ongoing	\$ 364,000,000	\$ 8,817,885	\$ 12,566,510	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10149848	U of M (2)	Complete	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10736059	Excelsior (4)	Complete	\$ 10,000,000	\$ 10,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10707553	AURI (6)	Complete	\$ 150,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10691805	PCA REPI Pay (6)	Complete	\$ (4,000,000)	\$ (4,000,000)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11000275	Next Gen Incent (7)	Complete	\$ 15,250,000	\$ 15,250,011	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11255081	DER Program Support (9)	Complete	\$ 1,975,000	\$ 1,975,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11262958	IRIEE Program Support (8)	Complete	\$ 15,000,000	\$ 15,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11445577	Solar Rebates, MN Made (10)	Complete	\$ 21,000,000	\$ 19,260,070	\$ -	\$ -	\$ 230,377	\$ -	\$ 33,327	\$ 72,388	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11927339	DOC Solar Incentive Program (11)	Complete	\$ 120,000,000	\$ 47,977,289	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
11965275	Solar Rewards (12)	Ongoing	\$ 25,000,000	\$ 1,964,769	\$ 706,357	\$ 327,418	\$ 6,971	\$ 257,891	\$ (104,596)	\$ 24,078	\$ 13,851	\$ 805,939	\$ 3,261	\$ 847	\$ 11,847	\$ 1,215,763
	Solar Energy Standard Exemption		\$ -	\$ 72,123	\$ -	\$ -	\$ 39,210	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Legislative Mandates			\$ 578,375,000	\$ 145,072,147	\$ 13,273,067	\$ 327,418	\$ 276,558	\$ 257,891	\$ 13,228,731	\$ 96,466	\$ 13,851	#####	\$ 3,261	\$ 847	\$ 11,847	\$ 1,215,763
DOC State Incentive Support (3)																
REPI	Wind	Ongoing	\$ 51,100,000	\$ 56,565,806	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
REPI	Biogas & Hydro	Ongoing	\$ 10,500,000	\$ 6,580,735	\$ 54,166	\$ 81,252	\$ 68,879	\$ 59,416	\$ 42,298	\$ -	\$ 5,133	\$ 42,230	\$ 9,952	\$ 9,952	\$ 9,952	\$ 9,952
REPI	1st Wind	Ongoing	\$ -	\$ 29,493,629	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total REPI			\$ 61,600,000	\$ 92,640,169	\$ 54,166	\$ 81,252	\$ 68,879	\$ 59,416	\$ 42,298	\$ -	\$ 5,133	\$ 42,230	\$ 9,952	\$ 9,952	\$ 9,952	\$ 9,952
Total Other Legislative Mandates			\$ 639,975,000	\$ 237,712,316	\$ 13,327,234	#####	\$ 345,437	\$ 317,307	\$ 13,271,030	\$ 96,466	\$ 18,984	#####	\$ 13,213	\$ 10,799	\$ 21,799	\$ 1,225,715
ADMINISTRATIVE COSTS																
Cycle 1 Administrative Work Orders (1)																
10182282			\$ -	\$ 36,105	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184439			\$ -	\$ 27,028	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10184487			\$ -	\$ 114,650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 1 Admin Costs			\$ 114,650	\$ 143,160	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cycle 2 Administrative Work Orders (1)																
10248981			\$ -	\$ 273,688	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
10248983			\$ -	\$ 420,173	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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			\$ -	\$ 168,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Cycle 4 Admin Costs			\$ -	\$ 168,301	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Added Admin Costs and Future Funding Cycles			\$ -	\$ 883,648	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
TOTAL Fund Administration			\$ 114,650	\$ 2,300,725	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

See Attachment 16 for an explanation of all footnotes.

RENEWABLE DEVELOPMENT FUND
Annual Compliance Report - Cycle 2 Projects
Actuals through August 2019
Forecast through December 2021

ALL CYCLE 2 PROJECTS COMPLETED - No Future Grant Payments

Project No.	Name	Total Amount Awarded	Actual Through Aug 2019	Forecast Sept-Dec 2019	Forecast 2020	Forecast 2021	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 2019
 Forecast through December 2021

Project No.	Name	Total Amount Awarded	Actual Through Aug 2019	Forecast Sept-Dec 2019	Forecast 2020	Forecast 2021	Project Totals
EP3-2	Merrick	\$ 735,000	\$ 735,000	\$ -	\$ -	\$ -	\$ 735,000
EP3-3	Best Power International	\$ 1,994,480	\$ 1,994,480	\$ -	\$ -	\$ -	\$ 1,994,480
EP3-10	Outland Renewable Energy	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
EP3-11	EyeOn Energy/Minneapolis	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 2,000,000
EP3-12	Freenerg	\$ 1,488,922	\$ 1,488,922	\$ -	\$ -	\$ -	\$ 1,488,922
EP3-13	Minnesota DNR	\$ 894,000	\$ 878,966	\$ -	\$ -	\$ -	\$ 878,966
Total Energy Production		\$ 9,112,402	\$ 9,097,368	\$ -	\$ -	\$ -	\$ 9,097,368
RD3-1	U of M (Koda Energy)	\$ 992,989	\$ 976,743	\$ -	\$ -	\$ -	\$ 976,743
RD3-2	SarTec Corporation	\$ 350,000	\$ 350,000	\$ -	\$ -	\$ -	\$ 350,000
RD3-4	Bepex International	\$ 924,671	\$ 924,671	\$ -	\$ -	\$ -	\$ 924,671
RD3-12	Xcel Energy	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000
RD3-21	Northern Planins Power	\$ 493,608	\$ 493,608	\$ -	\$ -	\$ -	\$ 493,608
RD3-23	U of M (Biomass)	\$ 819,159	\$ 729,717	\$ -	\$ -	\$ -	\$ 729,717
RD3-25	U of M (Nanocrystals)	\$ 732,032	\$ 732,032	\$ -	\$ -	\$ -	\$ 732,032
RD3-28	U of M (Cropping)	\$ 979,082	\$ 979,048	\$ -	\$ -	\$ -	\$ 979,048
RD3-42	U of M (Hydro)	\$ 999,999	\$ 999,598	\$ -	\$ -	\$ -	\$ 999,598
RD3-53	InterPhases Research	\$ 1,000,000	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 1,000,000
RD3-58	West Central Telephone	\$ 137,000	\$ 137,000	\$ -	\$ -	\$ -	\$ 137,000
RD3-66	UND	\$ 999,065	\$ 998,697	\$ -	\$ -	\$ -	\$ 998,697
RD3-68	UND	\$ 970,558	\$ 970,480	\$ -	\$ -	\$ -	\$ 970,480
RD3-69	MVAP	\$ 1,000,000	\$ 825,490	\$ -	\$ -	\$ -	\$ 825,490
RD3-71	UND	\$ 999,728	\$ 999,438	\$ -	\$ -	\$ -	\$ 999,438
RD3-77	Coaltec	\$ 1,000,000	\$ 850,000	\$ -	\$ -	\$ -	\$ 850,000
Total Research & Dev.		\$ 13,397,891	\$ 12,966,521	\$ -	\$ -	\$ -	\$ 12,966,521
Board Pilot Investment (13)		\$ 5,000,000					
Total Cycle 3 Projects		\$ 27,510,293	\$ 22,063,889	\$ -	\$ -	\$ -	\$ 22,063,889

RENEWABLE DEVELOPMENT FUND
 Annual Compliance Report - Cycle 4 Project Payments Included in Rate Rider Calculation
 Actuals through August 2019
 Forecast through December 2021

Project No.	Name	Total Amount Awarded	Actual Through 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	Forecast Jan 2021	Forecast Feb 2021	Forecast Mar 2021	Forecast Apr 2021	Forecast May 2021	Forecast Jun 2021	Forecast Jul 2021	Forecast Aug 2021	Forecast Sep 2021	Forecast Oct 2021	Forecast Nov 2021	Forecast Dec 2021	Project Totals	
EP4-3	HIS	\$ 917,250	\$ 917,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 917,250	
EP4-5	Best Power Int'l	\$ 900,000	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 900,000	
EP4-6	Best Power John's	\$ 172,213	\$ 172,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 172,213	
EP4-11	Innovative Power Sys	\$ 1,850,000	\$ 1,850,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,850,000	
EP4-13	Monte-Amparo Comm	\$ 2,025,007	\$ 2,025,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,025,007	
EP4-15	MIN Renew Energy Soc	\$ 2,661,320	\$ 511,229	\$ -	\$ -	\$ -	\$ 710,581	\$ -	\$ -	\$ 61,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,284,000	
EP4-20	Tampa Compostion	\$ 883,313	\$ 883,313	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 883,313	
EP4-22	Alanya Park & Rec Int'l	\$ 960,741	\$ 960,741	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 960,741	
EP4-29	Dragonfly Solar Dpt	\$ 1,650,000	\$ 1,650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650,000	
EP4-34	St Paul Saints Stadium	\$ 555,750	\$ 555,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 555,750	
EP4-41	City of Hinchinson	\$ 958,369	\$ 958,369	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 958,369	
EP4-42	James St. Junction	\$ 280,000	\$ 270,994	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 280,000	
EP4-48	Oak Leaf Energy Pte	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	
Total Energy Production		\$ 15,638,663	\$ 12,413,316	\$ -	\$ -	\$ -	\$ 710,581	\$ -	\$ 61,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,185,187	
RD4-2	Univ of Minn Dairy	\$ 982,408	\$ 656,936	\$ -	\$ -	\$ 55,148	\$ -	\$ -	\$ 37,374	\$ 43,146	\$ 37,629	\$ 43,629	\$ 48,629	\$ 48,257	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 982,408	
RD4-11	Univ NREI Transfer	\$ 1,899,499	\$ 943,933	\$ 720,029	\$ 74,903	\$ 74,903	\$ 29,215	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,882,163	
RD4-12	Univ of Minn	\$ 625,102	\$ 516,662	\$ 27,200	\$ 27,200	\$ 27,200	\$ 27,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 625,102
RD4-13	Univ of W V S	\$ 1,391,684	\$ 1,095,983	\$ -	\$ -	\$ 105,966	\$ 94,897	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,391,683
RD4-14	Blue Engineering	\$ 161,085	\$ 147,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 147,700
RD4-1	Univ of M Graduation	\$ 999,999	\$ 563,187	\$ -	\$ -	\$ 227,113	\$ 30,000	\$ 30,000	\$ 80,000	\$ -	\$ 29,999	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,299
RD4-5	Univ of Florida	\$ 1,000,000	\$ 71,411	\$ -	\$ -	\$ 408,669	\$ 154,007	\$ -	\$ 154,007	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,933	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 160,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
RD4-7	Interphase Solar	\$ 1,000,000	\$ 585,018	\$ 23,982	\$ 68,000	\$ 161,000	\$ -	\$ -	\$ 160,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
RD4-8	City of Red Wing	\$ 1,999,300	\$ -	\$ -	\$ 297,160	\$ 1,302,313	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 100,027	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,999,300	
HD4-1	MIN NW Central Fish Coll	\$ 5,800,000	\$ 4,450,000	\$ -	\$ -	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,300,000	
HD4-2	Univ of St Thomas	\$ 2,137,213	\$ 2,137,213	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,137,213	
HD4-3	Univ of Minnesota	\$ 3,000,000	\$ 3,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000,000	
Total Research & Dev.		\$ 20,826,026	\$ 14,186,514	\$ 783,171	\$ 169,653	\$ 947,980	\$ 2,992,014	\$ 284,367	\$ 197,574	\$ 279,253	\$ 374,229	\$ 734,528	\$ 1,203,426	\$ 48,257	\$ 100,000	\$ 160,933	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 100,027	\$ 160,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,845,217	
Total Cycle 4 Projects		\$ 36,464,689	\$ 26,599,830	\$ 783,171	\$ 169,653	\$ 947,980	\$ 3,702,045	\$ 284,367	\$ 258,494	\$ 279,253	\$ 374,229	\$ 734,528	\$ 1,203,426	\$ 48,257	\$ 100,000	\$ 160,933	\$ -	\$ 100,000	\$ -	\$ 100,000	\$ 100,027	\$ 160,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,030,484		

See Attachment 16 for an explanation of all footnotes.

Previous Cycle RDF Grant Project Payments Not Included in 2019 Forecast for Cost Recovery*

	Sep-19	Oct-19	Nov-19	Dec-19	Total
Crown Hydro	0	0	0	0	0
Coaltec	0	0	0	0	0
Bergey Windpower	155,000	0	155,000	0	310,000
Region 5 Dev Comm	0	0	0	0	0
Monthly Sub Total	155,000	0	155,000	0	310,000
Cumulative Obligation	155,000	155,000	310,000	310,000	

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

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

Previous Cycle RDF Grant Project Payments Not Included in 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	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	155,000	0	155,000	0	155,000	0	0	0	0	0	21,600	0	486,600
Region 5 Dev Comm	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Sub Total	155,000	0	155,000	0	155,000	0	0	0	0	0	21,600	0	486,600
Cumulative Obligation	155,000	155,000	310,000	310,000	465,000	465,000	465,000	465,000	465,000	465,000	486,600	486,600	

Previous Cycle RDF Grant Project Payments Not Included in 2021 Forecast for Cost Recovery*

	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	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	0	0	0	0	0	0	0	0	0
Region 5 Dev Comm	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Sub Total	0	0	0	0	0	0	0	0	0	0	0	0	0
Cumulative Obligation	0	0	0	0	0	0	0	0	0	0	0	0	0

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

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
EP3 - 13	Minnesota Department of Natural Resources	\$894,000	EP	3	Solar	complete	
RD3 - 1	University of Minnesota	\$992,989	RD	3	Biomass	complete	
RD3 - 2	SarTec Corporation	\$350,000	RD	3	Biofuel	complete	
RD3 - 4	Bepex International	\$924,671	RD	3	Biomass	complete	
RD3 - 12	Xcel Energy	\$1,000,000	RD	3	Wind	complete	
RD3 - 21	Northern Plains Power Technologies	\$493,608	RD	3	Solar	complete	
RD3 - 23	University of Minnesota	\$819,159	RD	3	Biomass	complete	
RD3 - 25	University of Minnesota	\$732,032	RD	3	Solar	complete	
RD3 - 28	University of Minnesota	\$979,082	RD	3	Biomass	complete	
RD3 - 42	University of Minnesota	\$999,999	RD	3	Wind	complete	
RD3 - 53	Interphases Solar	\$1,000,000	RD	3	Solar	complete	
RD3 - 58	West Central Telephone Association	\$137,000	RD	3	Wind/Solar	complete	
RD3 - 66	University of North Dakota	\$999,065	RD	3	Biomass	complete	
RD3 - 68	University of North Dakota	\$970,558	RD	3	Biomass	complete	
RD3 - 69	Minnesota Valley Alfalfa Producers	\$1,000,000	RD	3	Biomass	complete	
RD3 - 71	University of North Dakota	\$999,728	RD	3	Biomass	complete	
RD3 - 77	Coaltec Energy USA	\$1,000,000	RD	3	Biomass	current *	
EP4-3	Minneapolis Public School	\$917,250	EP	4	Solar	complete	
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	complete	
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	complete	
EP4-43	Cornerstone Group	\$310,310	EP	4	solar	cancelled	
EP4-44	Region 5 Dev. Commission	\$1,993,659	EP	4	solar	complete	
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	6/2/2020
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	6/11/2020
RD4-12	University of Minnesota - Noise	\$625,102	RD	4	wind	current	10/15/2019
RD4-13	University of Minnesota - VWS	\$1,391,684	RD	4	wind	current	6/2/2020
RD4-14	Barr Engineering	\$161,081	RD	4	wind	complete	
HE4-1	Minnesota State Colleges & Universities	\$5,500,000	HE	4	all types	current	5/31/2020

RDF Use of Funds Summary (Grants Awarded)

Contract	Project Name	Grant	Type	Cycle	Renewable Category	Status	Scheduled Completion
HE4-2	University of St Thomas	\$2,157,215	HE	4	all types	current	10/30/2019
HE4-3	University of Minnesota	\$3,000,000	HE	4	all types	current	3/1/2020

* In an executed amendment dated June 2018, Coaltec is required to present a final report and presentation to the RDF Advisory Group, but does not require the Company to provide any additional dollars to Coaltec for the project.

RDF Administrative Costs as Percent of Total Grant Payments

	2004 - 2014	2015	2016	2017	2018	Through 2018
Total RDF Grant Payments	\$ 54,585,310	\$ 2,809,764	\$ 10,917,325	\$ 4,465,368	\$ 7,793,971	\$ 80,571,739
Administrative Expenses	\$ 2,033,711	\$ 15,741	\$ 25,343	\$ 17,051	\$ 956	\$ 2,092,802
Ratio of Adm. Expenses	3.7%	0.6%	0.2%	0.4%	0.0%	2.6%

	2004 - 2014	2015	2016	2017	2018	2019 Fcst*	2020 Fcst*	Through 2020
Total RDF Grant Payments	\$ 54,585,310	\$ 2,809,764	\$ 10,917,325	\$ 4,465,368	\$ 7,793,971	\$ 9,865,867	\$ 2,466,227	\$ 92,903,833
Administrative Expenses	\$ 2,033,711	\$ 15,741	\$ 25,343	\$ 17,051	\$ 956	\$ -	\$ -	\$ 2,092,802
Ratio of Adm. Expenses	3.7%	0.6%	0.2%	0.4%	0.0%	0.0%	0.0%	2.3%

* 2019 and 2020 Grant Payments reflect only those included for recovery.

RENEWABLE DEVELOPMENT FUND

Annual Compliance Report
Report of Fund Liability and Unencumbered Balance
Through December 31, 2018

	Up to 2008	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2003-2018	Total Amount of Awards	Grant Awards not Utilized	Unencumb Grant
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	\$ 7,793,971	\$ 86,354,208	\$ 107,066,638	\$ 6,396,360	\$ 100,670,278
Cycle 1 - EP	\$ 5,541,426	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,541,426	\$ 9,302,835	\$ 3,761,409	\$ 5,541,426
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	\$ 6,036,530
Cycle 3 - EP	\$ -	\$ 735,000	\$ 205,090	\$ 3,161,687	\$ 2,400,806	\$ 476,376	\$ 2,118,409	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,097,368	\$ 9,112,402	\$ 15,034	\$ 9,097,368
Cycle 4 - EP	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,072,213	\$ 5,425,476	\$ 2,545,280	\$ 2,619,741	\$ 11,662,710	\$ 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	\$ 2,619,741	\$ 32,338,034	\$ 44,790,689	\$ 5,376,443	\$ 39,414,246
Cycle 1 - R&D	\$ 6,021,090	\$ 62,748	\$ 46,620	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,130,458	\$ 6,247,566	\$ 117,108	\$ 6,130,458
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	\$ 11,333,028
Cycle 3 - R&D	\$ -	\$ 100,000	\$ 2,928,537	\$ 4,191,473	\$ 3,042,962	\$ 1,228,720	\$ 648,789	\$ 88,488	\$ 737,551	\$ -	\$ -	\$ -	\$ 12,966,521	\$ 13,397,891	\$ 431,370	\$ 12,966,521
Cycle 4 - R&D	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 5,491,849	\$ 1,920,089	\$ 5,174,230	\$ 13,586,168	\$ 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	\$ 5,174,230	\$ 44,016,174	\$ 52,275,949	\$ 1,019,917	\$ 51,256,032
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	\$ 30,711,613	\$ 227,712,316			
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	\$ 82,508	\$ 86,059,436			
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	\$ 757,897	\$ 6,580,733			
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	\$ 1,650,546	\$ 19,260,070			
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	\$ 725,654	\$ 1,964,769			
Benson	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ 4,000,000			
Laurentian	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,600,000	\$ 13,600,000			
DEED	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000	\$ 1,000,000			
MMB	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,817,885	\$ 8,817,885			
SES Exemption	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77,123	\$ 77,123			
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	\$ 38,505,585	\$ 316,366,293			

As of December 31, 2018

1. Total Amount Credited to RDF	\$ 359,450,000	Added 32.5M for 2018
2. Total RDF Payments	\$ 316,366,293	
3. Total Amount of Awards	\$ 100,670,278	
4. Amount of RDF Grants Paid	\$ 86,354,208	

Unencumbered

Cumulative Balance \$ 28,767,636

(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	FCA MN	FCA MN	FCA MN
	System	Calendar	Calendar	Calendar	Calendar	State Sales	System	State	Cal Mo	State Cal Mo	State Sales	System
	Calendar	Calendar	Calendar	Calendar	Calendar	State Sales	Calendar	Calendar	Cal Mo	State Cal Mo	State Sales	System
	Month Sales	Month	Month	Month	Month Sales	Allocator	Month Sales	Month Sales	Windsource	Windsource	Allocator	Sales
												Difference
Sep-18	3,448,108	2,536,443	162,972	179,865	2,879,280	83.50%	3,448,108	2,536,443	3,416,109	2,504,444	73.31%	(0)
Oct-18	3,225,373	2,323,427	168,049	167,196	2,658,672	82.43%	3,225,372	2,323,426	3,192,783	2,290,837	71.75%	(1)
Nov-18	3,201,690	2,300,971	186,952	161,293	2,649,217	82.74%	3,201,691	2,300,972	3,173,434	2,272,715	71.62%	1
Dec-18	3,499,274	2,512,052	208,654	184,642	2,905,347	83.03%	3,499,274	2,512,051	3,468,339	2,481,116	71.54%	(0)
Jan-19	3,547,618	2,534,050	225,977	181,487	2,941,514	82.92%	3,547,618	2,534,051	3,515,256	2,501,689	71.17%	0
Feb-19	3,107,612	2,211,435	194,778	163,650	2,569,863	82.70%	3,107,612	2,211,435	3,077,029	2,180,852	70.88%	0
Mar-19	3,478,924	2,503,585	202,120	182,404	2,888,109	83.02%	3,478,924	2,503,585	3,447,371	2,472,032	71.71%	(0)
Apr-19	3,007,584	2,166,737	161,567	156,748	2,485,053	82.63%	3,007,583	2,166,738	2,964,863	2,124,018	71.64%	(1)
May-19	3,161,597	2,285,434	167,287	168,446	2,621,167	82.91%	3,161,596	2,285,434	3,119,984	2,243,822	71.92%	(1)
Jun-19	3,366,158	2,457,615	165,782	200,542	2,823,939	83.89%	3,366,158	2,457,615	3,322,970	2,414,427	72.66%	(0)
Jul-19	3,932,822	2,883,240	191,058	221,283	3,295,581	83.80%	3,932,821	2,883,240	3,883,223	2,833,642	72.97%	(1)
Aug-19	3,668,664	2,678,659	181,727	198,166	3,058,552	83.37%	3,668,664	2,678,659	3,616,879	2,626,874	72.63%	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 Windsorce sales not included in FCA calculation
- j Minnesota State Electric sales, as reported by Xcel Energy in monthly FCA filings less Windsorce 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	Ride	CRS	Business	a	b	c = b/a	d	e=a-d	f=d*e	g=b-f			
Month	r	Tariff	CRS Tariff Description	Unit	Object	kWh Billing Month Volume	Amount	Average Rider Rate	Description	FCA Sales	Difference	Revenue	Difference
									Total MN Cal Mo Sales	3,250,377			
									Less: Wholesale	(714,920)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	986			
									Less: Windsource	(15,539)			
									Less: Renewable*Connect	(16,460)			
Sep-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	761,001,524	786,890	0.001034	Total MN Cal Mo Retail	2,504,444			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,792,069,551	1,853,008	0.001034	Less: Net Unbilled	44,195			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	9,392,491	9,711	0.001034	Add: Windsource	15,539			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	7,239,928	7,486	0.001034	Add: Renewable*Connect	16,460			
						2,569,703,494	2,657,095.44		Less: Interdepartmental	(986)			
									Total MN Bill Mo Retail	2,579,652	(9,949)	2,667,382.28	(10,287)
									Total MN Cal Mo Sales	2,761,639			
									Less: Wholesale	(439,118)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	905			
									Less: Windsource	(16,750)			
									Less: Renewable*Connect	(15,839)			
Oct-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	674,351,837	782,762	0.001161	Total MN Cal Mo Retail	2,290,837			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,842,108,641	2,075,380	0.001127	Less: Net Unbilled	208,422			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	7,659,050	8,523	0.001113	Add: Windsource	16,750			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	6,246,564	6,733	0.001078	Add: Renewable*Connect	15,839			
						2,530,366,092	2,873,398.79	0.001135566	Less: Interdepartmental	(905)	(577)	2,874,053.91	(655)
									Total MN Bill Mo Retail	2,530,943			
									Total MN Cal Mo Sales	3,140,714			
									Less: Wholesale	(840,161)			
									Less: Net Wholesale Unbilled	-			
									Add: Interdepartmental	419			
Nov-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	593,946,515	782,270	0.001317	Less: Windsource	(14,324)			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,532,625,330	2,009,157	0.001311	Less: Renewable*Connect	(13,933)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	10,647,452	13,806	0.001297	Total MN Cal Mo Retail	2,272,715			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,039,612	6,543	0.001298	Less: Net Unbilled	(158,457)			
						2,142,258,909	2,811,775.67	0.001313	Add: Windsource	14,324	163	2,811,561.85	214
									Add: Renewable*Connect	13,933			
									Less: Interdepartmental	(419)			
									Total MN Bill Mo Retail	2,142,096			
									Total MN Cal Mo Sales	3,216,740			
									Less: Wholesale	(705,112)			
Dec-18	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	698,219,585	920,108	0.001318	Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,761,765,441	2,321,931	0.001318	Add: Interdepartmental	423			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	11,935,055	15,729	0.001318	Less: Windsource	(15,004)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,455,145	7,190	0.001318	Less: Renewable*Connect	(15,931)			

RENEWABLE DEVELOPMENT FUND

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

Month	Ride r	CRS Tariff	CRS Tariff Description	Business Unit	Object	a kWh Billing Month Volume	b Amount	c = b/a Average Rider Rate	Description	d FCA Sales	e=a-d Difference	f=d*e Revenue	g=b-f Difference
						<u>2,477,375,226</u>	<u>3,264,957.58</u>	0.001318	Total MN Cal Mo Retail	2,481,116	(195)	3,265,214.27	(257)
									Less: Net Unbilled	(34,058)			
									Add: Windsource	15,004			
									Add: Renewable*Connect	15,931			
									Less: Interdepartmental	(423)			
									Total MN Bill Mo Retail	<u>2,477,570</u>			
Jan-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	837,217,369	1,141,539	0.001363	Total MN Cal Mo Sales	3,312,956			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,788,059,352	2,420,168	0.001354	Less: Wholesale	(779,368)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	10,598,487	14,233	0.001343	Less: Net Wholesale Unbilled	-			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,733,951	7,697	0.001342	Add: Interdepartmental	463			
						<u>2,641,609,159</u>	<u>3,583,636.16</u>	0.001357	Less: Windsource	(17,077)	(437)	3,584,228.78	(593)
									Less: Renewable*Connect	(15,285)			
									Total MN Cal Mo Retail	2,501,689			
									Less: Net Unbilled	108,458			
									Add: Windsource	17,077			
									Add: Windsource	15,285			
									Less: Interdepartmental	(463)			
									Total MN Bill Mo Retail	<u>2,642,046</u>			
									Total MN Cal Mo Sales	2,747,276			
									Less: Wholesale	(508,184)			
									Less: Net Wholesale Unbilled	-	(28,313)	3,258,130.99	(40,065)
									Add: Interdepartmental	741			
									Less: Windsource	(14,359)			
									Less: Renewable*Connect	(10,243)			
Feb-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	720,125,658	1,020,149	0.001417	Total MN Cal Mo Retail	2,215,231			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,539,216,368	2,177,039	0.001414	Less: Net Unbilled	63,370			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	9,601,362	13,535	0.001410	Add: Windsource	14,359			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,205,735	7,344	0.001411	Add: Renewable*Connect	10,243			
						<u>2,274,149,123</u>	<u>3,218,066.46</u>	0.001415	Less: Interdepartmental	(741)			
									Total MN Bill Mo Retail	<u>2,302,462</u>			
									Total MN Cal Mo Sales	3,195,265	(583)	3,665,675.66	(825)
									Less: Wholesale	(692,057)			
Mar-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	742,577,761	1,052,129	0.001417	Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,828,525,661	2,590,986	0.001417	Add: Interdepartmental	377			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	9,590,813	13,586	0.001417	Less: Windsource	(16,182)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,751,220	8,150	0.001417	Less: Renewable*Connect	(15,371)			
						<u>2,586,445,454</u>	<u>3,664,850.23</u>	0.001417	Total MN Cal Mo Retail	2,472,032			
									Less: Net Unbilled	83,820			
									Add: Windsource	16,182			
									Add: Renewable*Connect	15,371			
									Less: Interdepartmental	(377)			
									Total MN Bill Mo Retail	<u>2,587,028</u>			

RENEWABLE DEVELOPMENT FUND

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

Month	Ride r	CRS Tariff	Business CRS Tariff Description	Unit	Object	a kWh Billing Month Volume	b Amount	c = b/a Average Rider Rate	Description	d FCA Sales	e=a-d Difference	f=d*e Revenue	g=b-f Difference
									Total MN Cal Mo Sales	2,661,194			
									Less: Wholesale	(494,812)			
Apr-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	621,634,867	880,766	0.001417	Less: Net Wholesale Unbilled	-			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,647,030,967	2,333,785	0.001417	Add: Interdepartmental	356			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	7,996,076	11,329	0.001417	Less: Windsource	(27,664)			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,524,917	7,829	0.001417	Less: Renewable*Connect	(15,056)	(69)	3,233,807.19	(98)
						<u>2,282,186,827</u>	<u>3,233,709.18</u>		Total MN Cal Mo Retail	2,124,018			
									Less: Net Unbilled	115,874			
									Add: Windsource	27,664			
									Add: Renewable*Connect	15,056			
									Less: Interdepartmental	(356)			
									Total MN Bill Mo Retail	<u>2,282,256</u>			
									Total MN Cal Mo Sales	3,551,290			
May-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	562,809,620	781,141	0.001388	Less: Wholesale	(1,265,918)			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,617,712,281	2,257,881	0.001396	Less: Net Wholesale Unbilled	-			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	6,793,752	9,524	0.001402	Add: Interdepartmental	62			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,638,582	7,915	0.001404	Less: Windsource	(27,156)			
						<u>2,192,954,235</u>	<u>3,056,461.33</u>		Less: Renewable*Connect	(14,456)			
									Total MN Cal Mo Retail	2,243,822			
									Less: Net Unbilled	(90,536)			
									Add: Windsource	27,156	(1,882)	3,059,084.07	(2,623)
									Add: Renewable*Connect	14,456			
									Less: Interdepartmental	(62)			
									Total MN Bill Mo Retail	<u>2,194,836</u>			
									Total MN Cal Mo Sales	3,416,779			
Jun-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	613,799,334	833,005	0.001357	Less: Wholesale	(959,781)			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,613,251,558	2,190,951	0.001358	Less: Net Wholesale Unbilled	-			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	6,132,001	8,349	0.001362	Add: Interdepartmental	617			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	5,526,312	7,517	0.001360	Less: Windsource	(28,349)			
						<u>2,238,709,205</u>	<u>3,039,822.25</u>		Less: Renewable*Connect	(14,839)			
									Total MN Cal Mo Retail	2,414,427			
									Less: Net Unbilled	(189,140)			
									Add: Windsource	16,092			
									Add: Renewable*Connect	10085	(12,370)	3,056,618.53	(16,796)
									Less: Interdepartmental	(385)			
									Total MN Bill Mo Retail	<u>2,251,079</u>			
Jul-19	RDF	6447	MNRRDF:[AResource Adjustment	4000005	7000000000008	903,409,014	1,225,919	0.001357	Total MN Cal Mo Sales	3,973,887			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	7000000000008	1,902,047,366	2,581,099	0.001357	Less: Wholesale	(1,091,412)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	7000000000008	5,870,406	7,966	0.001357	Less: Net Wholesale Unbilled	-			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	7000000000008	6,696,968	9,088	0.001357	Add: Interdepartmental	765			

RENEWABLE DEVELOPMENT FUND

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

Month	Ride r	CRS Tariff	CRS Tariff Description	Business Unit	Object	a kWh Billing Month Volume	b Amount	c = b/a Average Rider Rate	Description	d FCA Sales	e=a-d Difference	f=d*e Revenue	g=b-f Difference
						<u>2,818,023,755</u>	<u>3,824,071.85</u>	0.001357	Less: Windsource	(33,284)			
									Less: Renewable*Connect	-16314			
									Total MN Cal Mo Retail	2,833,642			
									Less: Net Unbilled	(81,701)	17,250	3,800,663.85	23,408
									Add: Windsource	33,284			
									Add: Renewable*Connect	16314			
									Less: Interdepartmental	(765)			
									Total MN Bill Mo Retail	2,800,774			
Aug-19	RDF	6447	MNRRDF:[AResource Adjustment	400005	700000000008	919,478,030	1,247,694	0.001357	Total MN Cal Mo Sales	3,758,378			
	RDF	6448	MNCRDF:[AResource Adjustment	4000055	700000000008	1,872,464,238	2,540,948	0.001357	Less: Wholesale	(1,080,555)			
	RDF	6449	MNPRDF:[AResource Adjustment	4000155	700000000008	6,126,542	8,313	0.001357	Less: Net Wholesale Unbilled	-			
	RDF	7295	MNMRDF:[AResource Adjustment	4000255	700000000008	6,643,220	9,015	0.001357	Add: Interdepartmental	836			
						<u>2,804,712,030</u>	<u>3,805,970.92</u>	0.001357	Less: Windsource	(34,993)			
									Less: Renewable*Connect	(16,792)			
									Total MN Cal Mo Retail	2,626,874	(22,786)	3,836,891.29	(30,920)
									Less: Net Unbilled	149,675			
									Add: Windsource	34,993			
									Add: Renewable*Connect	16,792			
									Less: Interdepartmental	(836)			
									Total MN Bill Mo Retail	2,827,498			

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.
19	MN Statutes 2017 Supplement, Section 116C.7792 is amended to read: the utility subject to section 116C.779 shall operate a program to provide solar energy production incentives for solar energy systems of no more than a total aggregate nameplate capacity of 24 <u>40</u> kilowatts direct current <u>per premise.</u> <u>The owner of a solar energy system installed before June 1, 2019, is eligible to receive a production incentive under this section for any additional solar energy systems constructed at the same customer locations, provided that the aggregate capacity of all systems at the customer location does not exceed 40 kilowatts.</u> The program shall be operated for eight consecutive calendar years commencing in 2014..... <u>operated by the utility and not for any other program or purpose. Any unspent amount allocated in the fifth year is available until December 31 of the sixth year. Any unspent amount remaining at the end of any other allocation year must be transferred to the renewable development account.</u> The solar system <u>when combined with other distributed generation resources and subscriptions provided under section 216B.1641 associated with the premise. A change to the program to include projects up to a nameplate capacity of 40 kilowatts or less does not require the utility to file a plan with the commissioner. Any plan approved by the commissioner of commerce must not provide an increased incentive scale over prior years unless the commissioner demonstrates that changes in the market for solar energy</u>
20	General Renewable Development: (c) \$100,000 each year is from the renewable development account in the special revenue fund established in Minnesota Statutes, section 116C.779, subdivision 1, to administer the "Made in Minnesota" solar energy production incentive program in Minnesota Statutes, section 216C.417. Any remaining unspent funds cancel back to the renewable development account at the end of the biennium. (d) \$500,000 each year is from the renewable development account in the special revenue fund established in Minnesota Statutes, section 116C.779, subdivision 1, for costs associated with any third-party expert evaluation of a proposal submitted in response to a request for proposal to the renewable development advisory group under Minnesota Statutes, section 116C.779, subdivision 1, paragraph (1). No portion of this appropriation may be expended or retained by the commissioner of commerce. Any funds appropriated under this paragraph that are unexpended at the end of the fiscal year cancel to the renewable development account.
21	(e) \$150,000 in fiscal year 2019 is appropriated from the renewable development account in the special revenue fund established in Minnesota Statutes, section 116C.779, subdivision 1, to the commissioner of commerce, to conduct an energy storage systems cost-benefit analysis. This is a onetime appropriation, effective the day following final enactment, and available until June 30, 2020.
22	Technical correct made throughout: "clean energy advancement fund" changed to "renewable development account" Section 116C.7792 Solar Energy Incentive Program - amended: the utility subject to section 116C.7792 shall operate a program to provide solar energy production incentives for solar energy systems of no more than a total aggregate nameplate capacity of 40 kilowatts direct alternating current per premise....

Redline

MINNESOTA ELECTRIC RATE BOOK - MPUC NO. 2

RENEWABLE DEVELOPMENT FUND RIDER

Section No. 5

~~22nd~~23rd 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	\$0.001357 <u>\$0.001289</u> per kWh
Commercial	\$0.001357 <u>\$0.001289</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:	03-21-19 <u>10-01-19</u>	By: Christopher B. Clark	Effective Date:	05-01-19
		President, Northern States Power Company, a Minnesota corporation		
Docket No.	E002/M- 18-62819-		Order Date:	04-09-19

Clean

APPLICATION

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

RIDER

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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; or

xx by electronic filing.

Xcel Energy Miscellaneous Electric Service List

Dated this 1st day of October 2019

/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
Christopher	Anderson	canderson@allete.com	Minnesota Power	30 W Superior St Duluth, MN 558022191	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Alison C	Archer	aarcher@misoenergy.org	MISO	2985 Ames Crossing Rd Eagan, MN 55121	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
James J.	Bertrand	james.bertrand@stinson.com	STINSON LLP	50 S 6th St Ste 2600 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
James	Canaday	james.canaday@ag.state.mn.us	Office of the Attorney General-RUD	Suite 1400 445 Minnesota St. St. Paul, MN 55101	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
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Generic Notice	Commerce Attorneys	commerce.attorneys@ag.state.mn.us	Office of the Attorney General-DOC	445 Minnesota Street Suite 1800 St. Paul, MN 55101	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
Riley	Conlin	riley.conlin@stoel.com	Stoel Rives LLP	33 S. 6th Street Suite 4200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
George	Crocker	gwillc@nawo.org	North American Water Office	PO Box 174 Lake Elmo, MN 55042	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
John	Farrell	jfarrell@ilsr.org	Institute for Local Self-Reliance	1313 5th St SE #303 Minneapolis, MN 55414	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric

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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Generic Notice	Residential Utilities Division	residential.utilities@ag.state.mn.us	Office of the Attorney General-RUD	1400 BRM Tower 445 Minnesota St St. Paul, MN 551012131	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
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First Name	Last Name	Email	Company Name	Address	Delivery Method	View Trade Secret	Service List Name
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Lisa	Veith	lisa.veith@ci.stpaul.mn.us	City of St. Paul	400 City Hall and Courthouse 15 West Kellogg Blvd. St. Paul, MN 55102	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric
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Patrick	Zomer	Patrick.Zomer@lawmoss.com	Moss & Barnett a Professional Association	150 S. 5th Street, #1200 Minneapolis, MN 55402	Electronic Service	No	GEN_SL_Northern States Power Company dba Xcel Energy-Elec_Xcel Miscl Electric