



Empire District
A Liberty Utilities Company

April 12, 2017

Missouri Public Service Commission

Re: 2016 Annual Renewable Energy Standard Compliance Report: Non-proprietary Information

This version of the Annual Compliance Report is a fully completed version. Portions of this report contain confidential information which has been removed.

EMPIRE DISTRICT ELECTRIC COMPANY

2016

ANNUAL RENEWABLE ENERGY STANDARD COMPLIANCE REPORT

Prepared in Compliance with 4 CSR 240-20.100

April 2017



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2016 ANNUAL RENEWABLE ENERGY STANDARD COMPLIANCE REPORT

INTRODUCTION

Pursuant to the Missouri Public Service Commission's (Commission) renewable energy standards rule, 4 CSR 240-20.100(8), The Empire District Electric Company (EDE or Empire), a Kansas corporation, is filing the Annual Renewable Energy Standard (RES) Compliance Report. The rule became effective in September 2010, and pursuant to the rule EDE must file the 2016 RES Compliance Report on or before April 15, 2017.

EDE began to develop its wind renewable energy portfolio on December 10, 2004, when it entered into a 20-year contract with Elk River Windfarm, LLC (owned by Avangrid Renewables, LLC) to purchase all of the energy generated at the 150-megawatt Elk River Windfarm located in Butler County, Kansas.

On June 19, 2007, EDE enhanced its renewable energy portfolio when it entered into a 20-year purchased power agreement with Cloud County Wind Farm, LLC. EDP Renewables North America LLC is an indirect parent company of Cloud County Wind Farm, LLC. Pursuant to the terms of the agreement, EDE purchases all of the output from the 105-megawatt Phase 1 Meridian Way Wind Farm located in Cloud County, Kansas.

In addition, the Ozark Beach Hydroelectric Project, owned by EDE has produced renewable hydropower for many years. The RES rules allow for the banking of Renewable Energy Credits (REC) for up to a three year time period. This has allowed the use of eligible Ozark Beach RECs generated in 2015 and 2016 in meeting the 2016 RES requirements.

Effective May 16, 2015, Empire began offering rebates for Missouri customers for qualifying solar installations in accordance with the Missouri RES and Empire's Solar Rebate Rider approved by the Commission, which continued in 2016.

The following sections provide information required to indicate compliance with the rule:

SECTION (8) (A) 1 A, B: TOTAL MISSOURI RETAIL ELECTRIC SALES AND REVENUE

The following table represents the number of megawatt-hours (MWh) of electricity delivered in 2016 by EDE to its Missouri retail customers, as reflected in the monthly billing statements. In addition, a column is provided capturing the revenue from total retail electric sales to Missouri customers:

Table 1: Missouri 2016 Total Retail Sales

Year	MWh	Revenue
2016	4,072,975	\$459,892,807

Data Source: Customers Kilowatt Hours Revenue Report

SECTION (8) (A) 1 C: TOTAL RETAIL ELECTRIC SALES SUPPLIED BY RENEWABLE ENERGY RESOURCES

In compliance with Section 393.1030, RSMo, EDE retired sufficient RECs to provide the equivalent of 5% of its retail electric sales for 2016. With 4,072,975 MWh total retail electric sales for 2016, 56,046 RECs were retired from EDE's Ozark Beach Hydroelectric Project (Ozark Beach), a certified renewable energy facility. Ozark Beach consists of 4 generators with individual nameplate ratings of 4MW each. The facility received Missouri Department of Natural Resources Certification of Renewable Energy Generation Facility status on September 11, 2011. Using the provision included in 4 CSR 240-20.100 (3) (G), the additional credit allowance of 0.25 per REC was claimed since the renewable energy resource is physically located in the state of Missouri.

In addition, 129,519 RECs from 2015 and 2016 were retired from our Elk River Windfarm, which were received through our ongoing purchased power agreement. Elk River also received Missouri Department of Natural Resources Certification of Renewable Energy Generation Facility status in 2011.

Finally, 3,261 Solar RECs (SRECs) from customer-generated sources were retired to meet the 2% solar compliance requirement. EDE received certification for the aggregate customer solar renewable energy generation facilities from the Department of Economic Development in 2016 and 2017.

All RECs retired to meet the 5% compliance requirement are shown in the table below.

Table 2: REC Retirement for Compliance with 2016 Missouri RES

Missouri Retail Sales	RES Requirement	¹ Non-Solar RECs Retired	Solar RES Requirement	² Solar RECs Retired	Total RECs Retired
4,072,975	203,649		4,073		
		56,046 (Ozark Beach 1.25 Mo Source)		3,261 (EDE Solar Aggregates 1.25 Mo Source)	
		129,519 (Elk River)			
Total		199,576		4,076	203,652

¹Vintage 2015 and 2016 RECs from Ozark Beach (Missouri source) and Vintage 2015 and 2016 RECs from Elk River were retired for compliance with the Missouri RES.

² 2016 Vintage SRECs were retired from EDE Solar Aggregates (Missouri source).

SECTION (8) (A) 1 D: CURRENT NUMBER AND VALUE OF RECS CREATED BY EDE OWNED FACILITY.

In 2016, EDE-owned Ozark Beach generated energy which allowed for the creation of 55,378 RECs. Using the provision of the Missouri RES allowing for additional credit of 0.25, the resultant RECs available for compliance totaled 69,222 RECs (55,378 x 1.25). The RECs generated from the EDE-owned source are utilized first to meet compliance as additional costs are not incurred to the rate payer in order to acquire RECs. The RECs generated from Ozark Beach have little value as they typically cannot be used to meet Renewable Portfolio Standards

(RPS) in other states. EDE plans to bank the RECs remaining after 2016 compliance for future RES compliance.

The value of the energy generated by Ozark Beach for calendar year 2016 was * [REDACTED] MWh as determined by the locational marginal pricing through the Southwest Power Pool (SPP). The value of the customer generated solar energy was * [REDACTED] SREC *

SECTION (8) (A) 1 E, F: SOURCE AND NUMBER OF RECS ACQUIRED, SOLD, TRANSFERRED, RETIRED

EDE receives renewable energy from four sources: ownership of Ozark Beach; two purchased power agreements (one with the Elk River Windfarm and the other with the Meridian Way Wind Farm); and customer-generated solar. (See ATTACHMENT 1)

Pursuant to the terms of the two 20-year windfarm agreements, EDE will purchase all of the output from the 150-megawatt Elk River Windfarm, and 105-megawatts from the Meridian Way Wind Farm. EDE anticipates annual generation of approximately 550,000 MWhs from Elk River and approximately 330,000 MWhs from Meridian Way.

During 2016, 56,046 vintage 2015 and 2016 RECs from hydroelectric generation at Ozark Beach were retired to help fulfill the non-solar Missouri compliance obligation. In addition, 113,861 vintage 2015 and 2016 RECs from generation at the Elk River Windfarm were retired for the non-solar RES obligation for 2016. In March of 2017, 15,658 additional 2016 RECs from wind generation at Elk River were retired.

To meet the solar obligation, 3,261 SRECs generated from EDE customers in 2015 and 2016 were obtained. In total, 3,261 SRECs were retired in March of 2017 to fulfill the solar Missouri compliance obligation. Any remaining SRECs will be banked for future use. RECs from Ozark Beach and SRECs from customer installed net metered systems are entitled to the 1.25 multiplying factor as they represent Missouri based generation.

EDE utilizes the North American Renewable Registry (NARR) as recommended by Staff and approved by the Commission for tracking all RECs. In total, 185,565 RECs and 3,261 SRECs were retired to fulfill the 2016 compliance obligation. (See ATTACHMENT 2)

SECTION (8) (A) 1 G: IDENTIFICATION OF RECS CARRIED FORWARD

As indicated earlier, RECs and SRECs generated by Ozark Beach, Elk River Windfarm, and EDE Solar Aggregates 1 through 13 are registered with the NARR. ATTACHMENT 3 included with this report indicates by source and serial number RECs registered with the NARR that have been carried forward for future use. For 2016 compliance, 2015 and 2016 Ozark Beach vintage RECs totaling 56,046 were retired for compliance using the 3-year banking provision. 9,472 Ozark Beach RECs from 2016 were carried forward into 2017. For the 2016 compliance year 129,519 Elk River RECs vintage 2015 and 2016 RECs were retired for compliance. Carried forward are additional 2015 Elk River RECs totaling 369,684. The majority of the remaining RECs will be sold after all compliance obligations are met. A portion of the Elk River RECs were retired for compliance with the Kansas voluntary RES. Solar SRECS totaling 8,778 were carried forward from 2016 for use in future compliance.

In addition to the RECs registered with the NARR EDE receives additional RECs from the Meridian Way Wind Farm. These RECs are not being used for Missouri compliance; therefore they are not included in this reporting section. EDE does not anticipate utilizing RECs from the Meridian Way Wind Farm for compliance throughout the entirety of the RES compliance period specified in Section 393.1030, RSMo.

SECTION (8) (A) 1 H: GAINS AND LOSSES FROM SALE OR PURCHASE

EDE utilized wind RECs from the Elk River Windfarm purchased power agreement in order to comply with the Missouri non-solar RES. SRECs from customer generation were utilized in order to comply with the solar portion of the Missouri RES.

ATTACHMENTS 4 and 5 include a REC report indicating sales of RECs, and the amount of wind generation allocated for Missouri retail customers by each wind farm. Any gains from sale or purchase were returned to the customers through the fuel adjustment.

SECTION (8) (A) 1 I: ACQUISITION OF RENEWABLE ENERGY

Non-Solar renewable energy is purchased for EDE from the following non-utility owned facilities:

Elk River

Wind (Resource)

Avangrid Renewables (Owner)

14980 SE 190th Rd.

Latham, KS 67072

Meridian Way I

Wind (Resource)

EDP Renewables North America LLC (Owner)

1409 Iron Road

Concordia, KS 66901

All energy was derived from eligible renewable energy technology (wind, hydro and solar). ATTACHMENT 6 includes information to certify that the renewable energy attributes of

the energy from Elk River Windfarm and the Meridian Way Wind Farm, have not been used to meet the requirements of any other local or state mandate.

SECTION (8) (A) 1 J: ACQUISITION OF ELECTRICAL ENERGY AND/OR RECS FROM CUSTOMER GENERATORS

ATTACHMENT 7 shows the system operational dates and estimated amounts of SRECs generated from customer generators using the Commission–approved estimation method, PVWatts. The 2016 SRECS were acquired by EDE as a condition of receiving the solar rebate instituted in May of 2015 and extending through 2016.

SECTION (8) (A) 1 K: CUSTOMERS RECEIVING SOLAR REBATE

The total number of customers that applied and received a solar rebate by December 31, 2016 in accordance with section (4) of the Rule:

Table 4: Customers Receiving Solar Rebate

DESCRIPTION	NUMBER OF CUSTOMERS
RECEIVED A SOLAR REBATE PRIOR TO 12/31/2016	663

SECTION (8) (A) 1 L: CUSTOMERS DENIED SOLAR REBATE

There were no customers that were denied a solar rebate

SECTION (8) (A) 1 M: FUNDS EXPENDED BY EDE FOR SOLAR REBATES

Table 5: Annual Funds Expended by EDE for Solar Rebates

DESCRIPTION	FUNDS EXPENDED
SOLAR REBATES PAID PRIOR TO 12/31/2016	\$8,034,812

SECTION (8) (A) 1 N: ANNUAL COMPLIANCE WITH RES COMPLIANCE PLAN

See Affidavit of Compliance with 2016 Compliance Plan, ATTACHMENT 8.

SECTION (8) (A) 1 O: NON-COMPLIANCE WITH RES COMPLIANCE PLAN

EDE has made every effort to comply and believes it has achieved compliance the Missouri RES Compliance Plan for the 2016 compliance period.

SECTION (8) (A) 1 P: CALCULATION OF ACTUAL CALENDAR YEAR RETAIL RATE IMPACT

See ATTACHMENT9. The calculations in ATTACHMENT 9 are based on total company not Missouri jurisdictional.

EMPIRE

2016 RES REPORT

ATTACHMENT 1

RECS ACQUIRED

ALL DOCUMENTS CONSIDERED PROPRIETARY

HIGHLY CONFIDENTIAL

PROPRIETARY

RECVD
2-11-16
ACCTG

Elk River Windfarm, LLC

An Oregon Limited Liability Company

RECEIVED
FEB 11 2016
ACCOUNTING

INVOICE

Invoice Date: February 3, 2016
Due Date: February 23, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #29432
Customer #: 900166

Description	
Pre-payment and monthly billing for energy and renewable energy credits.	
Prior Month Prepayment Balance January-16	Delivered Generation: 41,229 kWh
Prepay Surplus/Deficiency	
Current Month Prepayment	Prepay
Plus: Prepay Surplus or Deficiency	Total
Grand Total Paid	\$

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

253 - 165500

JP Morgan Chase
Chicago, IL
ABA No. [REDACTED]
ACH ABA No. [REDACTED]
For Account of Aeolus Wind Power II LLC.
Account No. [REDACTED]

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ [REDACTED]

Finance charges will be applied to accounts that are not paid in full by the stated due date.
If you do not agree with the due date shown above, please contact Chris Evidente

*Stavne
2/23/16*

P

RECVD
3-10-16
ACCTG

Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

Invoice Date: March 3, 2016
Due Date: March 23, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #30541
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Prior Month Prepayment Balance	Delivered Generation:	1,679,781.82
February-16	4,239,300.00	1,679,781.82
Prepay Surplus/Deficiency		1,679,781.82
Current Month Prepayment	Prepay	1,679,781.82
Plus: Prepay Surplus or Deficiency		1,679,781.82
	Total	1,679,781.82
Grand Total Paid		\$ 1,679,781.82

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

253 - 165500

JP Morgan Chase
Chicago, IL
ABA No. 021000021
ACH ABA No. 021000013
For Account of Aeolus Wind Power II LLC.
Account No. 027119460

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 1,679,781.82

Finance charges will be applied to accounts that are not paid in full by the stated due date.
If you do not agree with the due date shown above, please contact Chris Evidente

sched 3-23-16
dl

recvd
4-12-16
acctg

Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

253 - 165500

Invoice Date: April 4, 2016
Due Date: April 25, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #31303
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Prior Month Prepayment Balance	Delivered Generation:	1,990,417.00
February-16		1,745,433.00
Prepay Surplus/Deficiency		244,984.00
Current Month Prepayment	Prepay	200,117.00
Plus: Prepay Surplus or Deficiency		445,116.00
	Total	1,746,333.00
Grand Total Paid		\$ 1,746,333.00

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 031000034
ACH ABA No. 071000013
For Account of Aeolus Wind Power II LLC.
Account No. 027112468

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 1,746,333.00

Finance charges will be applied to accounts that are not paid in full by the stated due date.

SCHED 4-22-16
CR

RECVD
6-13-16
ACCTG

Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

Invoice Date: June 2, 2016
Due Date: June 22, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #33564
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Prior Month Prepayment Balance	Delivered Generation: 37,684 MWh	1,290,417.00
April-16		1,167,073.48
Prepay Surplus/Deficiency		123,343.52
Current Month Prepayment	Prepay	1,290,417.00
Plus: Prepay Surplus or Deficiency		123,343.52
	Total	1,167,073.48
Grand Total Paid		\$ 1,167,073.48

253 - 165500

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 021000021
ACH ABA No. 071000013
For Account of Aeolus Wind Power II LLC.
Account No. 47117458

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 1,167,073.48

Finance charges will be applied to accounts that are not paid in full by the stated due date.

Handwritten:
Van
6/22/16

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RECEIVED

JUL 12 2016

Elk River Windfarm, LLC

ACCOUNTING

An Oregon Limited Liability Company

INVOICE

Invoice Date: July 5, 2016
Due Date: July 25, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #34602
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Table with 2 columns: Description and Amount. Rows include Prior Month Prepayment Balance, Delivered Generation, Prepay Surplus/Deficiency, Current Month Prepayment, Plus: Prepay Surplus or Deficiency, Total, and Grand Total Paid.

Handwritten number: 253-165500

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No.
ACH ABA No.
For Account of Aeolus Wind Power II LLC.
Account No.

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 1,004,326.13

Finance charges will be applied to accounts that are not paid in full by the stated due date.

Rec'd 7.25.16
DK

P

RECVD
8-10-16
ACCTG

Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

Invoice Date: August 3, 2016
Due Date: August 23, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

253-165500

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #36461
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Prior Month Prepayment Balance		1,290,417.00
July-16	Delivered Generation: 36,739 kWh	1,137,806.83
Prepay Surplus/Deficiency		152,610.17
Current Month Prepayment	Prepay	1,290,417.00
Plus: Prepay Surplus or Deficiency		1,137,806.83
	Total	1,137,806.83
Grand Total Paid		\$ 1,137,806.83

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 021000021
ACH ABA No. 071000013
For Account of Aeolus Wind Power II LLC.
Account No. 027112466

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 1,137,806.83

Finance charges will be applied to accounts that are not paid in full by the stated due date.

Handwritten:
Paid 8/16
8-23-16
116

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SEP 12 2016

Elk River Windfarm, LLC

An Oregon Limited Liability Company

ACCOUNTING

INVOICE

Invoice Date: September 6, 2016
Due Date: September 26, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Handwritten: 253-165500

Invoice #: #37557
Customer #: 900166

Phone: (417) 625-6194
Fax: (417) 625-5173

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Table with 3 columns: Description, Amount, and Total. Rows include Prior Month Prepayment Balance August-16, Prepay Surplus/Deficiency, Current Month Prepayment Plus: Prepay Surplus or Deficiency, and Grand Total Paid.

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 021000021
ACH ABA No. 071000013
For Account of Aeolus Wind Power II LLC.
Account No. 07112468

Iberdrola Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 823,430.36

Finance charges will be applied to accounts that are not paid in full by the stated due date.

Handwritten notes: Rec. Sept 2-26-16 JH

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Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

Invoice Date: October 4, 2016
Due Date: October 24, 2016

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OCT 13 2016

ACCOUNTING

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #37940
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Prior Month Prepayment Balance	Delivered Generation: 37,519 MWH,	1,290,417.00
September-16		1,161,943.43
Prepay Surplus/Deficiency		128,473.57
Current Month Prepayment	Prepay	1,290,417.00
Plus: Prepay Surplus or Deficiency		128,473.57
Total		1,161,943.43
Grand Total Paid		\$ 1,161,943.43

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 021000021
ACH ABA No. 071000013
For Account of Aeolus Wind Power II LLC.
Account No. 027112468

Avangrid Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

253 - 165500

Total Amount Due To Elk River Windfarm, LLC: \$ 1,161,943.43

Finance charges will be applied to accounts that are not paid in full by the stated due date.

Handwritten:
Paid
10-29-16
OK

P

RECVD
11-8-16
ACCTG

Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

Invoice Date: November 2, 2016
Due Date: November 22, 2016

253 - 165500

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #39050
Customer #: 900166

Description

Pre-payment and monthly billing for energy and renewable energy credits.

Prior Month Prepayment Balance	Delivered Generation: 51,249 MWH,	1,290,417.00
October-16		1,587,150.50
Prepay Surplus/Deficiency		(296,733.50)
Current Month Prepayment	Prepay	1,290,417.00
Plus: Prepay Surplus or Deficiency		(296,733.50)
Total		1,587,150.50
Grand Total Paid		\$ 1,587,150.50

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 071000021
ACH ABA No. 071000013
For Account of Aeolus Wind Power II LLC.
Account No. 27112363

Avangrid Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC:

\$

1,587,150.50

Finance charges will be applied to accounts that are not paid in full by the stated due date.

SCHED 11-22-16
SV

RECEIVED

DEC 12 2016

ACCOUNTING

Elk River Windfarm, LLC

An Oregon Limited Liability Company

INVOICE

Invoice Date: December 5, 2016
Due Date: December 27, 2016

22 MC

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #40595
Customer #: 900166

Description		
Pre-payment and monthly billing for energy and renewable energy credits.		
Prior Month Prepayment Balance November-16	Delivered Generation: 45,955 MWH	1,423,288.20
Prepay Surplus/Deficiency		1,290,417.00
Current Month Prepayment	Prepay	1,423,288.20
Plus: Prepay Surplus or Deficiency	Total	1,423,288.20
Grand Total Paid		\$ 1,423,288.20

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 031000021
ACH ABA No. 071000012
For Account of Aeolus Wind Power II LLC.
Account No. 27113168

Avangrid Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

253145500

Total Amount Due To Elk River Windfarm, LLC: \$ 1,423,288.20

Finance charges will be applied to accounts that are not paid in full by the stated due date.

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Elk River Windfarm, LLC

An Oregon Limited Liability Company

JAN 16 2017

INVOICE

ACCOUNTING

Invoice Date: January 3, 2016
Due Date: January 23, 2016

The Empire District Electric Co.
Attn: Kristy Tackett
602 Joplin Street
PO Box 127
Joplin, MO 64802

Phone: (417) 625-6194
Fax: (417) 625-5173

Invoice #: #41269
Customer #: 900166

Description		
Pre-payment and monthly billing for energy and renewable energy credits.		
Prior Month Prepayment Balance		1,290,417.00
December-16	Delivered Generation: 41,419 MWH	1,282,746.43
Prepay Surplus/Deficiency		7,670.57
Current Month Prepayment	Prepay	1,290,417.00
Plus: Prepay Surplus or Deficiency		7,670.57
	Total	2,582,260.97
Grand Total Paid		\$ 2,582,260.97

Net Terms: Due 20 days after receipt of invoice by wire transfer to:

JP Morgan Chase
Chicago, IL
ABA No. 031000021
ACH ABA No. 073000113
For Account of Aeolus Wind Power II LLC.
Account No. 07112460

253 - 165500

Avangrid Contact: christopher.evidente@iberdrolaren.com
Phone: 503-796-7116

Total Amount Due To Elk River Windfarm, LLC: \$ 2,582,260.97

Finance charges will be applied to accounts that are not paid in full by the stated due date.

Handwritten:
Paid here
1-23-17
JK

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INVOICE

RECEIVED

FEB 11 2016

ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO. CCE 0116
TERMS Net 10
INVOICE DATE 2/9/2016
DUE DATE 2/19/2016

*SVanner
2/19/16*

January-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	24,807	19.00	\$ 471,333
Lost Production			
Availability LDs			
Total Amount Due			\$ 471,333

555430-253-PP

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = 19.00/MWh. Second Half Contract Price = 10.75/MWh.

Please remit payment to:

JP Morgan Chase
Routing No: 111000617
Account No: 5407211
Account Name: Cloud County
Ref: CCE Power Production

For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

P

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555430 - 253 - PP

MAR 10 2016

INVOICE

ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.
CCE 0216
TERMS
Net 10
INVOICE DATE
3/7/2016
DUE DATE
3/17/2016

February-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	31,783	39.00	\$ 1,239,459
Lost Production			
Availability LDs			
Total Amount Due			

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = \$39.00/MWh. Second Half Contract Price = \$40.75/MWh.

Please remit payment to:

JP Morgan Chase
Routing No: 011000514
Account No: 54407211
Account Name: Cloud County
Ref: CCE Power Production
For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

Handwritten notes: Date 3-17-16 JP

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INVOICE

APR 12 2016

Cloud County Wind Farm LLC

ACCOUNTING

808 Travis St Ste 700

Houston, TX 77002

PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company

602 S Joplin St

Joplin, MO 64802

Attn: Accounts Payable

Fax: (417) 625-5173

Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.

CCE 0316

TERMS

Net 10

INVOICE DATE

4/12/2016

DUE DATE

4/22/2016

263 - 555430

March-2016

	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	35,295	38.61	\$ 1,375,509
Lost Production	3,911	77.47	\$ 303,111
Availability LDs			
Total Amount Due			\$ 1,678,620

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.

Facility Completion Date was declared 12/23/2008. First Half Contract Price = \$39.00/MWh. Second Half Contract Price = \$40.75/MWh.

Please remit payment to:

JP Morgan Chase

Routing No: 11000614

Account No: 754407211

Account Name: Cloud County

Ref: CCE Power Production

For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

P
4-21-16
OR

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MAY 12 2016

INVOICE

ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company

602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.

CCE 0416

TERMS

Net 10

INVOICE DATE

5/10/2016

DUE DATE

5/20/2016

253 - 555430

April-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	33,609	39.00	\$ 1,310,751
Lost Production	0.00	77.47	\$ -
Availability LDs			
Total Amount Due			\$ 1,310,751

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.

Facility Completion Date was declared 12/23/2008. First Half Contract Price = \$39.00/MWh. Second Half Contract Price = \$40.75/MWh.

Please remit payment to:

JP Morgan Chase

Routing No: 11000514

Account No: 754407211

Account Name: Cloud County

Ref: CCE Power Production

For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

Wanna
5/20/16

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JUN 13 2016

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ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company

602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.

CCE 0516

TERMS

Net 10

INVOICE DATE

6/9/2016

DUE DATE

6/20/2016

May-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	[REDACTED]	[REDACTED]	\$ [REDACTED]
Lost Production	[REDACTED]	[REDACTED]	\$ [REDACTED]
Availability LDs			
Total Amount Due			\$ [REDACTED]

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = [REDACTED] /MWh. Second Half Contract Price = [REDACTED] /MWh.

Please remit payment to:

JP Morgan Chase
Routing No: [REDACTED]
Account No: [REDACTED]
Account Name: Cloud County
Ref: CCE Power Production
For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

253-55430

SV am
6/20/16

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JUL 12 2016

INVOICE

ACCOUNTING Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company

602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.

CCE 0616

TERMS

Net 10

INVOICE DATE

7/11/2016

DUE DATE

7/21/2016

253-555430

June-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	90,430	39.00	\$ 3,526,770
Lost Production	0.00	77.47	\$ -
Availability LDs			
Total Amount Due			\$ 3,526,770

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.

Facility Completion Date was declared 12/23/2008. First Half Contract Price \$39.00/MWh. Second Half Contract Price = \$40.75/MWh.

Please remit payment to:

JP Morgan Chase

Routing No: 11000614

Account No: 54407211

Account Name: Cloud County

Ref: CCE Power Production

For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

Rec'd by
7-21-16
JH

P

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AUG 10 2016

INVOICE

ACCOUNTING Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.
CCE 0716
TERMS
Net 10
INVOICE DATE
8/9/2016
DUE DATE
8/19/2016

253 - 5554/30

July-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	██████	██████	\$ ██████
Lost Production	██████	██████	\$ ██████
Availability LDs			
Total Amount Due			\$ ██████

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = ██████ MWh. Second Half Contract Price = ██████ MWh.

Please remit payment to:
JP Morgan Chase
Routing No: ██████
Account No: ██████
Account Name: Cloud County
Ref: CCE Power Production
For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

for file
8/17/16
DJH

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SEP 12 2016

INVOICE

ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700

Houston, TX 77002

PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company

602 S Joplin St

Joplin, MO 64802

Attn: Accounts Payable

Fax: (417) 625-5173

Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.

CCE 0816

TERMS

Net 10

INVOICE DATE

9/8/2016

DUE DATE

9/19/2016

253-555430

August-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	[REDACTED]	[REDACTED]	\$ [REDACTED]
Lost Production	[REDACTED]	[REDACTED]	\$ [REDACTED]
Availability LDs			
Total Amount Due			\$ [REDACTED]

602-6074
9-17-16
JL

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.

Facility Completion Date was declared 12/23/2008. First Half Contract Price [REDACTED] MWh. Second Half Contract Price = [REDACTED] MWh.

Please remit payment to:

JP Morgan Chase

Routing No: [REDACTED]

Account No: [REDACTED]

Account Name: Cloud County

Ref: CCE Power Production

For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

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INVOICE

OCT 13 2016

Cloud County Wind Farm LLC

ACCOUNTING

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.
CCE 0916
TERMS
Net 10
INVOICE DATE
10/10/2016
DUE DATE
10/20/2016

253 - 555430

September-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	10,664	15.00	\$ 1,079,090
Lost Production	0.00	7.50	\$ -
Availability LDs			
Total Amount Due			\$ 1,079,090

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = \$15.00/MWh. Second Half Contract Price = \$7.50/MWh.

Please remit payment to:
JP Morgan Chase
Routing No: 011000519
Account No: 75440211
Account Name: Cloud County
Ref: CCE Power Production
For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

Rec'd by
10-20-16
DK

P

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NOV 15 2016

INVOICE

ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.
CCE 1016
TERMS
Net 10
INVOICE DATE
11/11/2016
DUE DATE
11/21/2016

253-555430

MT

October-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	[REDACTED]	[REDACTED]	\$ [REDACTED]
Lost Production	[REDACTED]	[REDACTED]	\$ [REDACTED]
Availability LDs			
Total Amount Due			\$ [REDACTED]

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = [REDACTED] MWh. Second Half Contract Price = [REDACTED] MWh.

Please remit payment to:
JP Morgan Chase
Routing No: [REDACTED]
Account No: [REDACTED]
Account Name: Cloud County
Ref: CCE Power Production
For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

RECEIVED

DEC 12 2016

INVOICE

ACCOUNTING

Cloud County Wind Farm LLC

808 Travis St Ste 700
Houston, TX 77002
PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
602 S Joplin St
Joplin, MO 64802
Attn: Accounts Payable
Fax: (417) 625-5173
Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.
CCE 1116
TERMS
Net 10
INVOICE DATE
12/8/2016
DUE DATE
12/19/2016

MT

253-555430

November-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	[REDACTED]	[REDACTED]	\$ [REDACTED]
Lost Production	[REDACTED]	[REDACTED]	\$ [REDACTED]
Availability LDs			
Total Amount Due			\$ [REDACTED]

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.
Facility Completion Date was declared 12/23/2008. First Half Contract Price = [REDACTED] Wh. Second Half Contract Price = [REDACTED] Wh.

Please remit payment to:
JP Morgan Chase
Routing No: [REDACTED]
Account No: [REDACTED]
Account Name: Cloud County
Ref: CCE Power Production
For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

8

RECEIVED

INVOICE

JAN 16 2017
ACCOUNTING

Cloud County Wind Farm LLC
 808 Travis St Ste 700
 Houston, TX 77002
 PH: (713) 265-0350 FAX: (713) 265-0365

The Empire District Electric Company
 602 S Joplin St
 Joplin, MO 64802
 Attn: Accounts Payable
 Fax: (417) 625-5173
 Delivered Via Email: ktackett@empiredistrict.com

INVOICE NO.
CCE 1216

TERMS
Net 10

INVOICE DATE
1/11/2017

DUE DATE
1/23/2017

253-855430

December-2016			
	Energy (MWh)	Rate (\$/MWh)	Amount Due
Energy Output	[REDACTED]	[REDACTED]	\$ [REDACTED]
Lost Production	[REDACTED]	[REDACTED]	\$ [REDACTED]
Availability LDs			
Total Amount Due			\$ [REDACTED]

This invoice submitted per the terms and conditions of the Renewable Resource Power Purchase Agreement between Cloud County Wind Farm LLC and The Empire District Electric Company dated June 19, 2007.

Facility Completion Date was declared 12/23/2008. First Half Contract Price [REDACTED] Wh. Second Half Contract Price = [REDACTED] Wh.

Please remit payment to:

JP Morgan Chase
 Routing No: [REDACTED]
 Account No: [REDACTED]
 Account Name: Cloud County
 Ref: CCE Power Production

For questions regarding this invoice, please call: Daniel Saldanha (713) 356-2568

REC'D
 1-23-17
 [Signature]

P

EMPIRE

2016 RES REPORT

ATTACHMENT 2

RECS RETIRED

HIGHLY CONFIDENTIAL

NON-PROPRIETARY

NP

Sub-Account	Sub-Account ID	Retirement Type	State	Compliance Period	Avoided Carbon	NAR ID	Asset	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity	Transferor	MO Compliance	Equivalency	MO	KS
DefaultRET	270 RPS	RPS	MO	2016	2016	AGG2321	EDE Solar Aggregate #1	Solar	16-Dec	NAR-AGG-2321-MO-12-2016-67221-1 to 1274	1274		1592.5	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	AGG2322	EDE Solar Aggregate #2	Solar	16-Dec	NAR-AGG-2322-MO-12-2016-67222-1 to 1246	1246		1557.5	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	AGG2323	EDE Solar Aggregate #3	Solar	16-Dec	NAR-AGG-2323-MO-12-2016-67223-1 to 738	738		922.5	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	AGG2323	EDE Solar Aggregate #3	Solar	16-Dec	NAR-AGG-2323-MO-12-2016-67223-739 to 740	2		2.5	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	AGG2323	EDE Solar Aggregate #3	Solar	15-Dec	NAR-AGG-2323-MO-12-2015-62780-71 to 71	1		1.25	Yes	Yes	
2016 Kansas Goal	769 RPS	RPS	KS	2016	2016	GEN97	Elk River Wind - Elk River Wind	Wind	16-Mar	NAR-REC-97-KS-03-2016-63592-6981 to 42484	3261		4076.25	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN97	Elk River Wind - Elk River Wind	Wind	16-Mar	NAR-REC-97-KS-03-2016-63592-1 to 6980	35504		35504	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN97	Elk River Wind - Elk River Wind	Wind	16-Jan	NAR-REC-97-KS-01-2016-62525-1 to 41279	6980		6980	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN97	Elk River Wind - Elk River Wind	Wind	15-Jan	NAR-REC-97-KS-03-2015-34800-12091 to 39111	41279		41279	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN97	Elk River Wind - Elk River Wind	Wind	15-Mar	NAR-REC-97-KS-02-2016-63016-1 to 45561	27021		27021	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN97	Elk River Wind - Elk River Wind	Wind	16-Feb	NAR-REC-97-KS-02-2016-63016-45562 to 54239	45561		45561	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Sep	NAR-REC-99-MO-09-2016-65436-1 to 2764	8678	165023 (MO & KS)	8678	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	15-Dec	NAR-REC-99-MO-12-2015-59837-1 to 6834	2764		2764	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Feb	NAR-REC-99-MO-02-2016-63017-1 to 4781	6834		6834	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Apr	NAR-REC-99-MO-04-2016-63942-1 to 4484	4781		4781	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Jul	NAR-REC-99-MO-07-2016-64996-1 to 6719	4484		4484	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Aug	NAR-REC-99-MO-08-2016-65182-1 to 6851	6719		6719	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	15-May	NAR-REC-99-MO-05-2016-64054-1 to 5404	6851		6851	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	15-Nov	NAR-REC-99-MO-11-2015-57975-1611 to 4916	5404		5404	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Jan	NAR-REC-99-MO-01-2016-62526-1 to 75	3506		3506	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Mar	NAR-REC-99-MO-03-2016-63591-1 to 9883	75		75	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Mar	NAR-REC-99-MO-03-2016-63591-1 to 9883	9883		9883	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Jun	NAR-REC-99-MO-06-2016-64521-1 to 4945	4945		4945	Yes	Yes	
DefaultRET	270 RPS	RPS	MO	2016	2016	GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric Water	16-Jun	NAR-REC-99-MO-06-2016-64521-1 to 4945	56046		56046	Yes	Yes	

28

EMPIRE

2016 RES REPORT

ATTACHMENT 3

RECS CARRIED FORWARD

HIGHLY CONFIDENTIAL

NON-PROPRIETARY

NP

NAR ID	Asset	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	Quantity	MO Compliance Equivalency	MO
GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric	16-Oct	NAR-REC-99-MO-10-2016-66240-1 to 1508	1508		1885 Yes
GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric	16-Dec	NAR-REC-99-MO-12-2016-66951-1 to 4380	4380		5475 Yes
GEN99	Ozark Beach - Ozark Beach Hydro	Hydroelectric	16-Nov	NAR-REC-99-MO-11-2016-66519-1 to 3584	3584		4480 Yes
					9472		

NP

NAR ID	Asset	Fuel/Project Type	Certificate Vintage	Certificate Serial Numbers	MO Compliance	
					Quantity	Equivalency MO
GEN97	Elk River Wind - Elk River Wind	Wind	16-Dec	NAR-REC-97-KS-12-2016-66952-1 to 41419	41419	41419 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Nov	NAR-REC-97-KS-11-2016-66518-1 to 45957	45957	45957 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Oct	NAR-REC-97-KS-10-2016-66239-1 to 51248	51248	51248 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Sep	NAR-REC-97-KS-09-2016-66424-1 to 37519	37519	37519 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Aug	NAR-REC-97-KS-08-2016-65183-1 to 26588	26588	26588 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Jul	NAR-REC-97-KS-07-2016-64995-1 to 36739	36739	36739 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Jun	NAR-REC-97-KS-06-2016-64520-1 to 32429	32429	32429 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-May	NAR-REC-97-KS-05-2016-64055-1 to 37684	37684	37684 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Apr	NAR-REC-97-KS-04-2016-66385-1 to 46520	46520	46520 Yes
GEN97	Elk River Wind - Elk River Wind	Wind	16-Mar	NAR-REC-97-KS-03-2016-63532-42485 to 56065	13581	13581 Yes
					369684	

Fuel/Project Certificate				MO Compliance				
NAR ID	Asset	Type	Vintage	Certificate Serial Numbers	Quantity	Transferor	Equivalency	MO
GEN366	Stanton So Solar		15-May	NAR-REC-366-FL-05-2015-45653-124 to 1075	952	3Degrees Gr	952	Yes
AGG2323	EDE Solar / Solar		16-Dec	NAR-AGG-2323-MO-12-2016-672223-741 to 114	409		511.25	Yes
AGG2372	EDE Solar / Solar		16-Dec	NAR-AGG-2372-MO-12-2016-672224-1 to 1278	1278		1597.5	Yes
AGG2375	EDE Solar / Solar		16-Dec	NAR-AGG-2375-MO-12-2016-672225-1 to 1189	1189		1486.25	Yes
AGG2376	EDE Solar / Solar		16-Dec	NAR-AGG-2376-MO-12-2016-672226-1 to 978	978		1222.5	Yes
AGG2377	EDE Solar / Solar		16-Dec	NAR-AGG-2377-MO-12-2016-672227-1 to 933	933		1166.25	Yes
AGG2378	EDE Solar / Solar		16-Dec	NAR-AGG-2378-MO-12-2016-672228-1 to 871	871		1088.75	Yes
AGG2379	EDE Solar / Solar		16-Dec	NAR-AGG-2379-MO-12-2016-672229-1 to 623	623		778.75	Yes
AGG2380	EDE Solar / Solar		16-Dec	NAR-AGG-2380-MO-12-2016-67230-1 to 592	592		740	Yes
AGG2381	EDE Solar / Solar		16-Dec	NAR-AGG-2381-MO-12-2016-67231-1 to 514	514		642.5	Yes
AGG2475	EDE Solar / Solar		16-Dec	NAR-AGG-2475-MO-12-2016-67232-1 to 347	347		433.75	Yes
AGG2476	EDE Solar / Solar		16-Dec	NAR-AGG-2476-MO-12-2016-67233-1 to 92	92		115	Yes
					8778			

EMPIRE

2016 RES REPORT

ATTACHMENT 4

~~REC REPORT~~

REPORTS ARE CONSIDERED PROPRIETARY

HIGHLY CONFIDENTIAL

PROPRIETARY

Renewable Energy Certificate Position Report
 Empire District Electric Company

Meridian Way 2016

	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016	November 2016	December 2016	Total 2016
Expected REC's	24,000	28,275	31,900	32,700	29,400	25,700	18,500	22,400	25,800	30,000	28,100	31,900	329,675
**Actual REC's													
REC's Sold													
Counterparty													
Quantity	0	0	0	0	0	0	0	0	0	0	0	0	0
Price (\$/REC)													
Gross Revenue	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Commission \$'s													
Net Revenue (\$)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Quantity	0	0	0	0	0	0	0	0	0	0	0	0	0
Price (\$/REC)													
Gross Revenue	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Commission \$'s													
Net Revenue (\$)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Quantity	0	0	0	0	0	0	0	0	0	0	0	0	0
Price (\$/REC)													
Gross Revenue	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Commission \$'s													
Net Revenue (\$)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Quantity	0	0	0	0	0	0	0	0	0	0	0	0	0
Price (\$/REC)													
Gross Revenue	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Commission \$'s													
Net Revenue (\$)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Cumulative Remaining RECs	0	0	0	0	0	0	0	0	0	0	59,946	61,562	61,562
Total Gross Revenue	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Total Expenses (Commission)	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Total Net Revenue	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$

**Actual REC's is Expected REC's until month expires

Renewable Energy Certificate Position Report
 Empire District Electric Company

ELR Rtrcr 2016

	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016	November 2016	December 2016	Total 2016
Expected REC's	51,300	28,275	58,800	61,200	45,800	42,700	33,700	38,400	35,300	52,800	53,200	55,200	556,675
**Actual REC's	41,279	54,239	42,484	46,520	37,584	32,429	35,739	26,568	37,613	51,248	45,957	41,419	1,000,002
MO Compliance for 2016 NS Vol Compliance	0	0	0	0	0	0	0	0	0	0	0	0	0
Active REC's Sold	0	0	0	0	0	0	0	0	0	0	0	0	0
Company													
Quantity													
Price (\$/REC)													
Gross Revenue													
Commission \$%													
Net Revenue (\$)													
Quantity													
Price (\$/REC)													
Gross Revenue													
Commission \$%													
Net Revenue (\$)													
Quantity													
Price (\$/REC)													
Gross Revenue													
Commission \$%													
Net Revenue (\$)													
Quantity													
Price (\$/REC)													
Gross Revenue													
Commission \$%													
Net Revenue (\$)													
Cumulative Remaining REC's													
Total Gross Revenue													
Total Expense (Commission)													
Total Net Revenue													

**Actual REC's is Expected REC's until month expires

EMPIRE

2016 RES REPORT

ATTACHMENT 5

WIND GENERATION ALLOCATION

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NON-PROPRIETARY

ATTACHMENT 5

WIND GENERATION ALLOCATION FOR MO RETAIL CUSTOMERS 2016

Facility	Generation (MWh)	Percentage*	Energy Supplied to Missouri Retail Customers (MWh)
Elk River Windfarm	507,686	83.561%	424,227.50
Meridian Way Windfarm	316,736	83.561%	264,667.77

* Allocation based on 12-month average CP Demand Factor

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2016 RES REPORT

ATTACHMENT 6

ATTESTATIONS

HIGHLY CONFIDENTIAL

PROPRIETARY



Energy

GREEN-E ENERGY RENEWABLE GENERATOR REGISTRATION FORM AND ATTESTATION

I. Facility information

Name of Generation Facility ("Facility"): Elk River

Company or Person that Owns Facility ("Seller"): Elk River Windfarm, LLC

Address of Facility: 15936 SE 190th, Latham, KS 67072

North American Electricity Reliability Corporation (NERC) region in which Facility is located:¹ SPP

Facility ID Number:² 56303 EIA or QF? (check one) Nameplate Capacity (MW): 150

Date Facility was First Operational: 12/15/2005 Date of Capacity Upgrade or Repowering:³ ___/___/___

Contact Person: Adam Cherry Title: Origination Analyst

Telephone: 503-423-2086 Email Address: adam.cherry@avangrid.com

II. Renewable electricity or RECs⁴ supplied to Purchaser indicated below, by fuel type

On the table below, list the renewable megawatt-hours (MWh) sold or transferred to Purchaser, broken down by quarter of generation in separate rows:

Fuel Type ⁵	# MWh RECs / Renewable Elec. Sold	Period of Generation (quarter/yy or mm/yy)
Wind *	151,584	Q1 2016
Wind	16,633	Q2 2016
Wind	100,846	Q3 2016
Wind *	38,624	Q4 2016

¹ If you are unsure of which region Facility is in, see <http://www.nerc.com/regional/>

² Enter Energy Information Administration (EIA) identification number for the generating facility; if no EIA number, enter the utility-assigned Qualifying Facility (QF) identification number.

³ If applicable. Repowered facilities must meet Green-e Energy's criteria for repowering, available at http://www.Green-e Energy.org/docs/Repowering_Defin_and_Instructions.doc

⁴ Renewable Energy Certificates, which represent the renewable attributes of 1 MWh of renewable electricity generation.

⁵ If using biomass fuels, list out the specific type (i.e. landfill gas, wood waste, etc.) and fill in section IV below.