

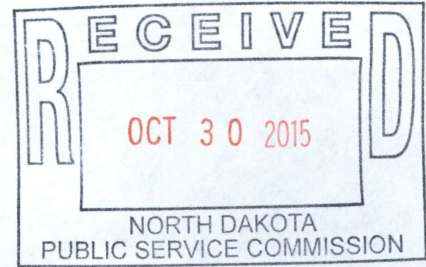


## KEM Electric Cooperative, Inc.

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Phone 701-254-4666 • Fax 701-254-4975

October 26, 2015

Darrell Nitschke  
Executive Secretary  
North Dakota Public Service Commission  
600 E. Boulevard, Dept. 408  
Bismarck, ND 58505-0480



**RE: KEM Electric Cooperative, Inc. - North Dakota Renewable Energy and Recycled Objective Report**

Dear Mr. Nitschke:

Enclosed you will find KEM Electric Cooperative's 2012, 2013 and 2014 North Dakota Renewable Energy and Recycled Objective Report per ND Century Code Chapter 49-02-34.

KEM Electric Cooperative, Inc. is a Class A Member of Basin Electric Power Cooperative, Inc. (Basin). KEM Electric Cooperative, Inc. holds a Federal Hydro Power allocation from the Western Area Power Administration, and has an all requirements contract for all supplemental power over and above the federal hydro allocation with Basin.

This report is filed on behalf of KEM Electric Cooperative, Inc. for the years 2012, 2013 and 2014.

Please contact me with any questions or comment on this issue at 701-667-4430 or by email at [rkelly@iea.coop](mailto:rkelly@iea.coop).

Thank You.

Robert Kelly, P.E.  
Manager of Engineering Services  
KEM Electric Cooperative, Inc.

A Touchstone Energy® Coop

1 PU-15-708 Filed: 10/30/2015 Pages: 4  
2012, 2013, 2014 Renewable Energy Objective Report

KEM Electric Coop Inc.

Robert Kelly, P.E.

**KEM Electric Cooperative, Inc.**  
**North Dakota Renewable Energy Objective Report**  
**October 26, 2015**

**I. INTRODUCTION**

- North Dakota Century Code Chapter 49-02-34 (2009) provides that, "Commencing on June 30, 2009 retail providers shall report annually on the provider's previous calendar year's energy sales. This report must include information regarding qualifying electricity delivered and renewable energy and recycled energy certificates purchased and retired as a percentage of annual retail sales and a brief narrative report that describes steps taken to meet the objective over time and identifies any challenges or barriers encountered meeting the objective. The last annual report must be made on June 30, 2016. Retail providers shall report to the public service commission, which shall make data and narrative reports publicly available and accessible electronically on the Internet. Distribution Cooperatives may aggregate their reporting through generation and transmission (G&T) cooperatives."
- Prior to 2012, Basin Electric Power Cooperative provided all reporting for NDCC 49-02-28 and 34 on behalf of their member cooperatives. In 2012, Basin opted out of the reporting responsibilities and shifted them to the member cooperatives themselves. KEM Electric Cooperative, Inc. is not a member of an intermediate G&T and therefore must report on their own behalf. KEM Electric Cooperative, Inc. has only recently been made aware of these responsibilities and would therefore like to provide the following reports for the years 2012 and 2013 along with the most recent data for 2014.
- Basin has previously reported to its members that the power deliveries from them consist of renewable generation with the percentages listed below:
  - 2012 - 16.2%
  - 2013 - 14.2%
  - 2014 - 14.1%

These percentages are applied in the calculations that follow.

## KEM Electric Cooperative, Inc.

### II. SALES REPORT

<b>2012</b>	kWh	%
Total kWh Purchased	77,805,576	
Total purchased from Basin: kWh, %	45,105,571	58.0%
Total Retail kWh Sold	70,737,277	
Basin share of retail kWh sold (total X Basin %)	41,007,926	
Basin Renewable % (from pg 1.)	16.2%	
Renewable Retail kWh Sales	6,643,284	
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<b>2013</b>	kWh	%
Total kWh Purchased	92,823,499	
Minus residential wind gen.	7,638	
Adjusted total	92,815,861	
Total purchased from Basin: kWh, %	60,249,865	64.9%
Total Retail kWh Sold	84,826,472	
Minus residential wind gen.	7,638	
Adjusted total	84,818,834	
Basin share of retail kWh sold (total X Basin %)	55,058,729	
Basin Renewable % (from pg 1.)	14.2%	
Basin renewables	7,818,339	
Plus residential wind gen	7,638	
Totsal Renewable Retail kWh Sales	7,825,977	
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<b>2014</b>	kWh	%
Total kWh Purchased	97,345,145	
Minus residential wind gen.	12,687	
Adjusted total	97,332,458	
Total purchased from Basin: kWh, %	64,766,463	66.5%
Total Retail kWh Sold	89,203,246	
Minus residential wind gen.	12,687	
Adjusted total	89,190,559	
Basin share of retail kWh sold (total X Basin %)	59,348,722	
Basin Renewable % (from pg 1.)	14.2%	
Basin renewables	8,427,519	
Plus residential wind gen	12,687	
Totsal Renewable Retail kWh Sales	8,440,206	

## **KEM Electric Cooperative, Inc.**

### **III. STEPS TAKEN TO MEET OBJECTIVES**

Over the years, Basin has added renewable generation in its resource mix that included wind, recovered energy (waste heat) and flare gas. If you factor out the retail sales (including the Great Plains Synfuels plant, various government entities and non-member surplus power sales), the renewable generation percentage to electric cooperative member systems has been substantial. These percentages are listed in the introduction of this form

In addition to the renewable generation noted above, Basin also earned renewable attributes which were allocated to its member systems including KEM Electric Cooperative, Inc. KEM has chosen to have Basin market these allocated attributes on their behalf.

KEM Electric Cooperative, Inc. has one member owned wind generation facility providing renewable energy available for resale to the other members. The output of this renewable is included in the calculations in the sales report section of this document.