

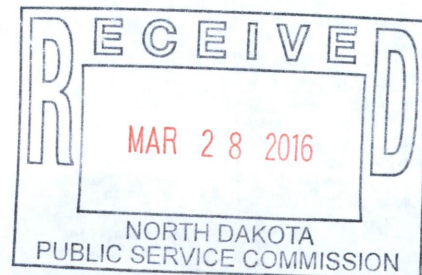
# UPPER MISSOURI

## POWER COOPERATIVE

A Touchstone Energy® Cooperative 

March 24, 2016

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



Enclosed is the 2015 North Dakota Renewable Energy and Recycled Objective Report per N.D. Century Code Chapter 49-02-34.

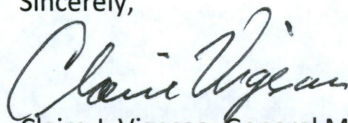
Upper Missouri Power Cooperative (Upper Mo) is a Class A Member of Basin Electric Power Cooperative (Basin). Upper Mo is an intermediary link between Basin and five North Dakota electric distribution cooperatives. Upper Mo and its member distribution cooperatives have all requirement power supply agreements with Basin. As such, Basin manages electric generation for Upper Mo and its member systems.

This report is filed on behalf of the following member distribution systems within North Dakota:

- ❖ Burke-Divide Electric Cooperative, Inc.
- ❖ Mountrail-Williams Electric Cooperative, Inc.
- ❖ McKenzie Electric Cooperative, Inc.
- ❖ Roughrider Electric Cooperative, Inc.
- ❖ Slope Electric Cooperative, Inc.

If you have any questions regarding this report, please feel free to contact me at 406-433-4100 or [cvigesaa@uppermo.com](mailto:cvigesaa@uppermo.com)

Sincerely,

  
Claire J. Vigesaa, General Manager

1 PU-16-138 Filed: 3/28/2016 Pages: 4  
2015 Renewable Energy Objective Report

Upper Missouri G. & T. Electric Cooperative, Inc.  
Claire Vigesaa, General Manager

Cc by email:

Jerry King, Burke-Divide Electric Cooperative, Inc.

Dale Haugen, Mountrail-Williams Electric Cooperative, Inc.

John Skurupey, McKenzie Electric Cooperative, Inc.

Chris Baumgartner, Roughrider Electric Cooperative, Inc.

Don Franklund, Slope Electric Cooperative, Inc.

**Upper Missouri G & T Electric Cooperative, Inc.**  
**North Dakota Renewable Energy Objective Report**  
**May 1, 2016**

**I. Introduction**

N.D. Century Code Chapter 49-02-34 (2009) provides that, "Commencing on June 30, 2009, retail providers shall report annually on the providers 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 though generation and transmission (G &T) cooperatives.

In 2015, Upper Missouri G & T Electric Cooperative (Upper Mo) aggregated electric energy from Western Area Power Administration (WAPA) and Basin Electric Power Cooperative (Basin) to provide electric energy to five electric distribution cooperatives in North Dakota:

- Burke-Divide Electric Cooperative, Inc.
- Mountrail-Williams Electric Cooperative, Inc.
- McKenzie Electric Cooperative, Inc.
- Roughrider Electric Cooperative, Inc.
- Slope Electric Cooperative, Inc.

Four percent (4%) of the energy was sourced from WAPA, power generated from renewable hydro electric facilities in the Upper Midwest. The remaining ninety-six percent (96%) of the energy was sourced from Basin since Upper Mo and its members have all power requirements contracts with their member owned generating cooperative, Basin.

**II. Sales**

<b>2015 Reporting Period</b>	<b>GWH Sales</b>
Burke-Divide Electric Cooperative, Inc.	273
McKenzie Electric Cooperative, Inc.	2,361
Mountrail-Williams Electric Cooperative, Inc.	2,587
Roughrider Electric Cooperative, Inc.	828
Slope Electric Cooperative, Inc.	486

### **III. Steps Taken To Meet Objectives**

In 2015, Basin had renewable generation in its resource mix that included wind, recovered energy generation (waste heat) and flare gas generation equal to 12.4% of Basin's member and retail sales (which includes sales to Dakota Gasification Company, Ellsworth Air Force Base, and Willwood L & P). If you exclude Basin's retail sales and only include electric cooperative member sales, the renewable generation percentage was 13.0% in 2015. In total, Basin's renewable generation in 2015 was 2,951,842 MWh. In addition to this renewable generation, Basin also earned renewable attributes which were allocated to its member systems including Upper Mo and its member systems. Upper Mo and its member systems have chosen Basin Electric Power Cooperative to market those attributes on their behalf.

Upper Mo and its member distribution cooperatives serve the heart of the Bakken Oil and Gas exploration region. The need for reliable, right-sized, available, and affordable electricity is critical for the long term economic health of the region. Industry experts are interested in opportunities to economically and reliably harvest additional flare gas.