



MONTANA-DAKOTA

UTILITIES CO.

A Division of MDU Resources Group, Inc.

400 North Fourth Street
Bismarck, ND 58501
(701) 222-7900

February 28, 2014

Ms. Kate Whitney, Administrator
Utility Division
Montana Public Service Commission
1701 Prospect Avenue
Helena, MT 59620

RE: Annual Electric Reliability Report-2013
ARM 38.5.8619

Dear Ms. Whitney:

Montana-Dakota Utilities Co., a Division of MDU Resources Group, Inc. herewith submits an original and ten copies of its Annual Report of Montana Electric Reliability Indices pursuant to ARM 38.5.8619.

The Reliability Indices provided in this report include the System Average Interruption Frequency Index (SAIFI), the System Average Interruption Duration Index (SAIDI) and the Customer Average Interruption Duration Index (CAIDI) for the state of Montana and by major district served by Montana-Dakota in Montana for calendar year 2013. Historical data for calendar years 2012 and 2011 is also included. All indices in this report include outage data for both the distribution system and the transmission system and the SAIDI and CAIDI indices are reported in minutes.

A graphical presentation of the SAIFI, SAIDI and CAIDI indices for 2011-2013 is provided in Attachment A, pages 1 and 2 with a categorization of the causes associated with service interruptions in 2011 through 2013 shown on Attachment A, page 3. The increase in outage numbers are attributed primarily to storms throughout the service territory. Please refer to Attachment B for the index data.

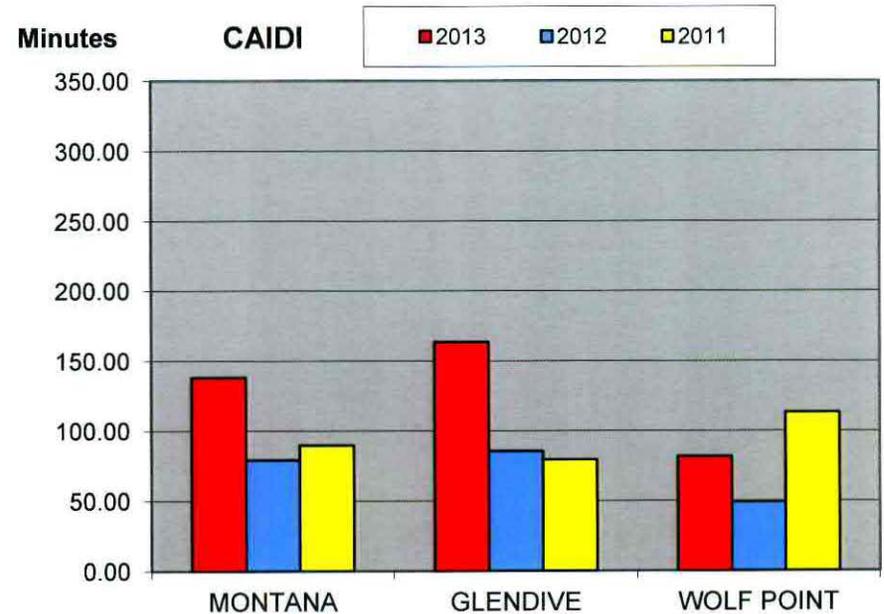
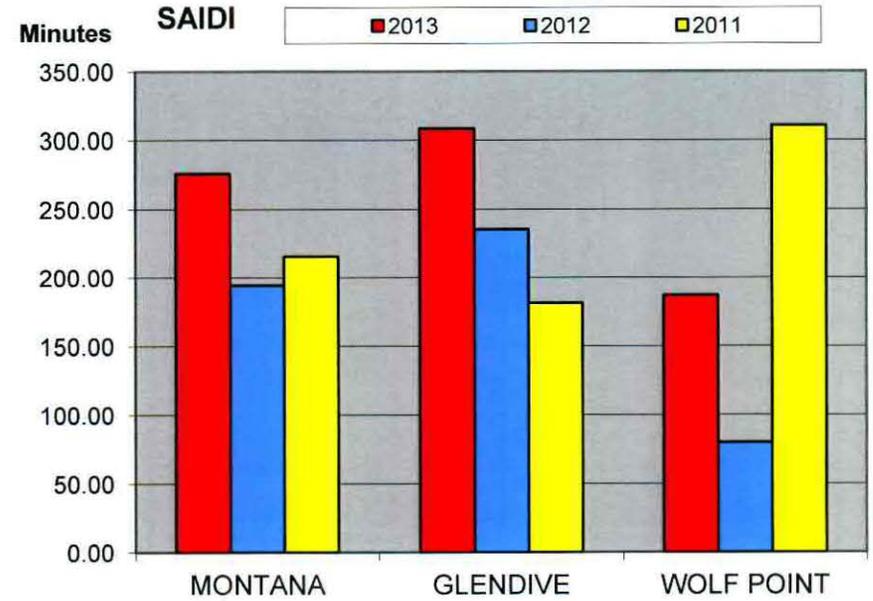
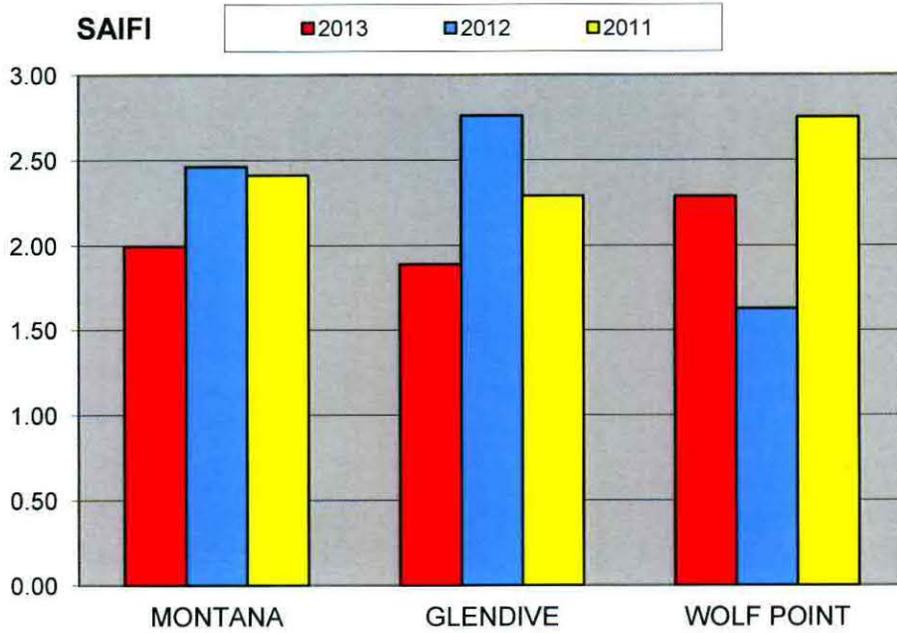
In calendar year 2013 Montana-Dakota did not have an outage on the distribution or transmission system that was classified as a major storm event where more than 10% of a major town's circuits were affected. However, as previously noted storms did impact the system. An explanation of storm related outages not classified as major storm events is provided in Attachment B, page 2

Please contact me with any questions regarding this report

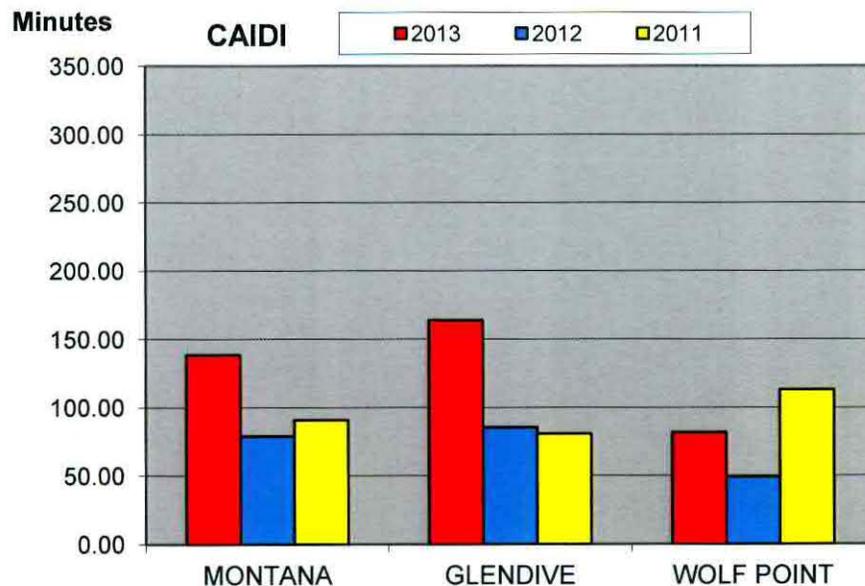
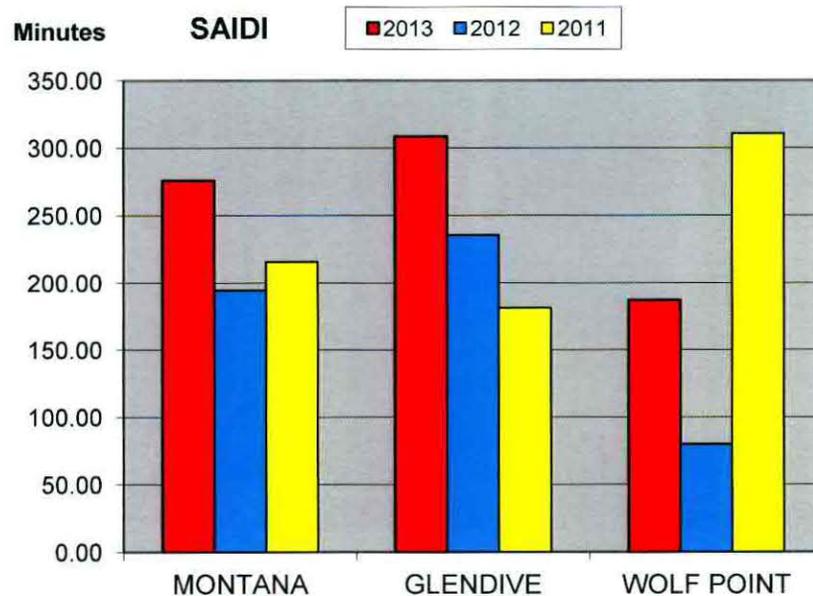
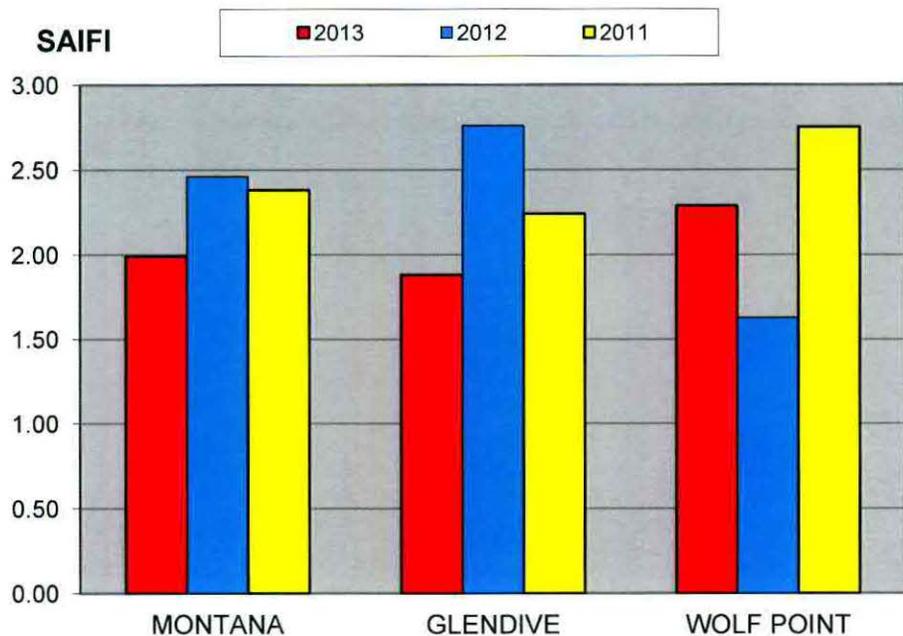
Sincerely,

Tamie A. Aberle
Director of Regulatory Affairs

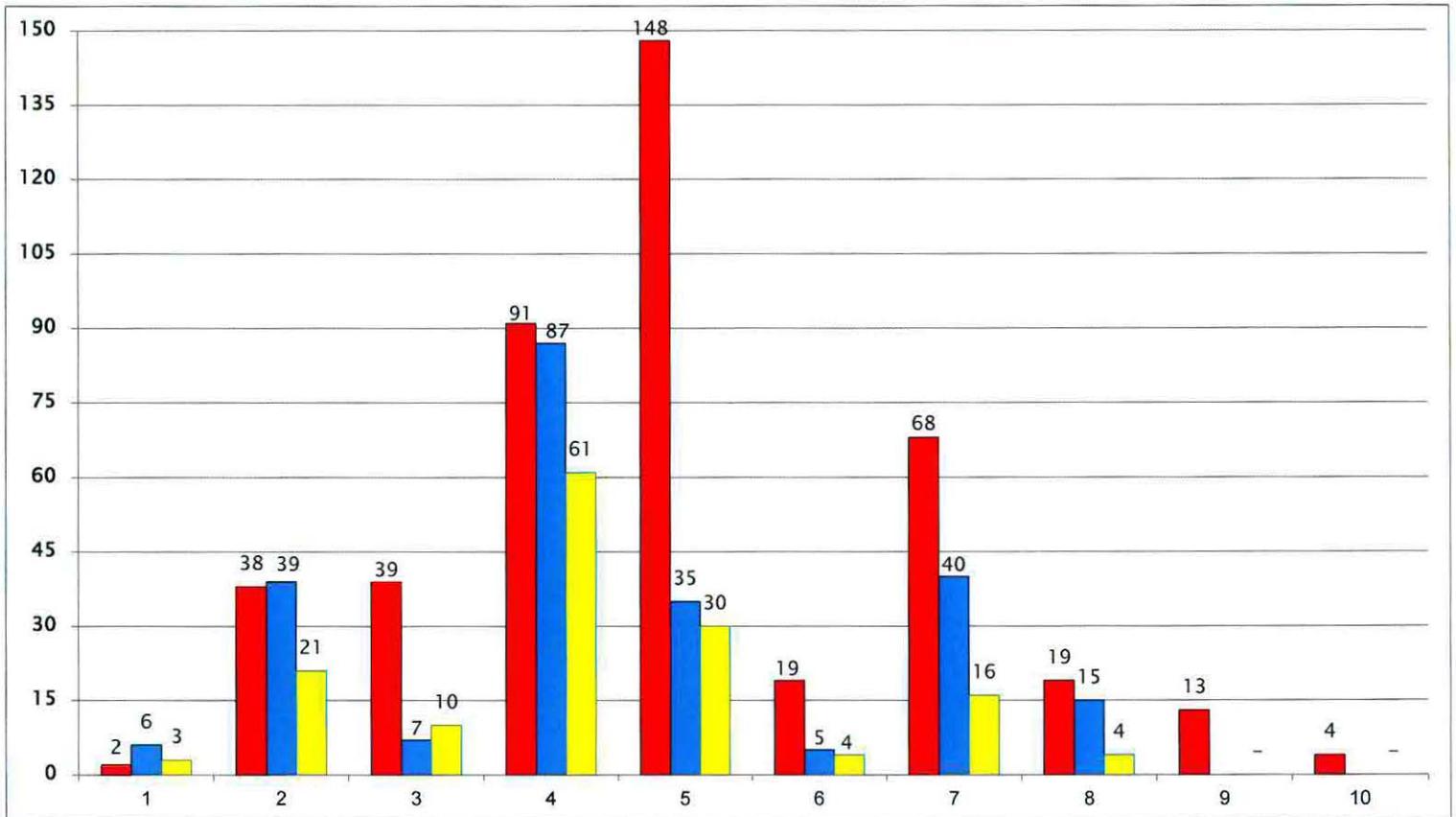
**MONTANA-DAKOTA UTILITIES CO.
RELIABILITY INDEX WITH IDENTIFIED STORM EVENT(S)
ELECTRIC UTILITY-MONTANA
2011-2013**



**MONTANA-DAKOTA UTILITIES CO.
RELIABILITY INDEX WITHOUT IDENTIFIED STORM EVENT(S)
ELECTRIC UTILITY-MONTANA
2011-2013**



MONTANA-DAKOTA UTILITIES CO.
ELECTRIC UTILITY MONTANA
OUTAGES BY CAUSE
2011-2013



Distribution and Transmission Outages:

	2013 1/	2012	2011
1) Customer	2	6	3
2) Equipment	38	39	21
3) Other	39	7	10
4) Planned	91	87	61
5) Storms	148	35	30
6) Trees/Vegetation	19	5	4
7) Unknown	68	40	16
8) Wildlife	19	15	4
9) Vehicle Collison	13	-	-
10) Improper Construction/Dig In	4	-	-
	441	234	149

1/ Categories 9) Vehicle Collison and 10) Improper Construction/Dig were previously reported in the "Other" category.

**MONTANA-DAKOTA UTILITIES CO.
ANNUAL ELECTRIC RELIABILITY REPORT-MONTANA
CALENDAR YEAR 2013
MONTANA RULE 38.5.8619**

	<u>Montana</u>			<u>Glendive District</u>			<u>Wolf Point District</u>		
	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
Reliability Index with Identified Storm Event(s)									
SAIFI (System Average Interruption Frequency Index)	2.00	2.46	2.41	1.89	2.76	2.29	2.29	1.63	2.75
SAIDI (System Average Interruption Duration Index)	275.87	194.34	215.66	308.48	235.61	181.27	186.93	79.97	310.54
CAIDI (Customer Average Interruption Duration Index)	138.24	79.07	89.54	163.36	85.42	79.28	81.69	49.19	113.14

	<u>Montana</u>			<u>Glendive District</u>			<u>Wolf Point District</u>		
	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>
Reliability Index-Without Identified Storm Event(s)									
SAIFI (System Average Interruption Frequency Index)	1.99	2.46	2.38	1.88	2.76	2.24	2.29	1.63	2.75
SAIDI (System Average Interruption Duration Index)	275.83	194.34	215.65	308.42	235.61	181.27	186.93	79.97	310.54
CAIDI (Customer Average Interruption Duration Index)	138.54	79.07	90.73	163.88	85.42	80.80	81.69	49.19	113.14

Outages caused by Major Storms/Events: None

Montana-Dakota Utilities Co.
Electric Utility – Montana
Outage Data Information
2013

The following storm outages while not classified as a major storm events by definition did affect reliability indices in calendar year 2013. In addition to the specific storm related outages noted below, storm related outages occurred on the following dates: 5/13, 6/3, 6/14, 6/21, 7/15, 7/21, 8/5, 8/10, 9/7, 9/19 and 12/03 affecting the Montana system.

Specific storm related outages on the transmission system included:

Baker-Baker 60 KV line

- 3/4/2013- Storm related weather, wind
- 7/13/2013- Storm related weather, wind

Baker-Bowman 60 KV line

- 3/3/2013- Storm related weather, wind
- 3/4/2013- Storm related weather, wind
- 7/8/2013- Storm related weather, wind
- 7/10/2013- Storm related weather, wind
- 7/11/2013- Storm related weather, wind

Baker-Little Beaver 60 KV line

- 3/3/2013- Storm related weather and wind
- 5/16/2013- Storm related weather and wind

Culbertson-Lewis & Clark 60 KV line

- 12/9/2013- Storm related weather, wind

Glendive-Medora 60 KV line

- 3/4/2013- Storm related weather, wind
- 7/8/2013- Storm related weather, wind

Kinsey-Miles City 60 KV line

- 5/20/2013- Storm related weather and wind
- 6/22/2013- Storm related weather and wind

Miles City-Rosebud 60 KV line

- 2/11/2013- Storm related weather and wind
- 2/13/2013- Storm related weather and wind
- 5/27/2013- Storm related weather and wind
- 7/13/2013- Storm related weather and wind