

Renewable, Recycled, and Conserved Energy Objective Annual Report for 2014

Directions: Fill in each orange box, save your responses, and email the completed spreadsheet back to [brian.rounds\(at\)state.sd.us](mailto:brian.rounds(at)state.sd.us) by **July 1, 2015**. Your completed spreadsheet will fulfill the reporting requirements in SDCL 49-34A-105. If you wish to supplement the spreadsheet with an additional narrative report, please include that report in your submission. If you have any questions, please contact Brian Rounds at 605.773.3201 or [brian.rounds\(at\)state.sd.us](mailto:brian.rounds(at)state.sd.us).

- 1 MWH of electricity delivered to retail customers (retail sales) in 2014
- 2 MWH of electricity obtained from a hydroelectric facility in 2014 with an inservice date before July 1, 2008 (old hydro)
- 3 MWH of electricity obtained from qualifying renewable or recycled facilities
- 4 MWH of qualifying conserved energy
- 5 Please provide a brief narrative that describes steps taken to meet the state renewable, recycled, and conserved objective over time and identifies any challenges or barriers encountered in meeting the objective.

MidAmerican Energy began offering energy efficiency programs to South Dakota customers on May 1, 2009. MidAmerican offers a variety of energy efficiency programs aimed at helping residential, commercial, and industrial customers reduce energy use and save money. In 2014, the South Dakota programs incented customers to make energy efficiency investments that are expected to save approximately 215.5 MWh per year. Significant challenges and barriers in delivering energy efficiency programs include customer and trade ally awareness, and providing appropriate incentives needed to encourage customers to make energy efficient choices.

If the Company is claiming renewable MWH in (3) above or retiring RECs in other jurisdictions, please provide the following per ARSD 20:10:38:07:

6 Total amount of RECs retired for CY2014 compliance across all jurisdictions

7 Amount of RECs retired to meet South Dakota's renewable energy objective for CY2014

8 For RECs listed above in (7), please provide the tracking system(s) RECs were retired under:

MidAmerican has not retired any certificates for South Dakota in any renewable attribute tracing system including M-RETS.

9 For RECs listed above in (7), please provide the name and location of each facility that produced the retired RECs:

None

10 Amount of RECs that the provider retired to meet a renewable energy objective or renewable energy standard in each of the other states it provides electricity services:

143,226

11 For RECs listed above in (10), please provide the name and location of each facility that produced the retired RECs:

MidAmerican retires all Iowa registered AEP RECs in the M-RETS tracking system, as required for Iowa compliance. These Iowa AEP Facilities are:
Name, Location (County) , Nameplate Rating (MW)
Storm Lake Power Partners I, Buena Vista County, Iowa, 112.5
Davenport Water Pollution Control Plant, Scott County, Iowa, 1.28
DSM Waste Management, Polk County, Iowa, 6.4

If the Company is claiming conserved MWH in (4) above, please provide the following per ARSD 20:10:38:03 through 06:

12 MWH of conserved energy achieved through energy efficiency

13 A general explanation of each energy efficiency impact evaluation or estimate, the rationale for using each energy efficiency impact evaluation or estimate, and the amount of expenditures spent on energy efficiency measures for the calendar year (ARSD 20:10:38:03).

MidAmerican has not completed an energy efficiency impact evaluation specific to South Dakota. Total kWh savings by measure, along with spending by measure for 2014 was provided in Exhibits A and B of MidAmerican's 2014 South Dakota energy efficiency annual report. Savings for each measure are calculated in accordance with the formulas provided in revised Appendix A of MidAmerican's 2013-2017 South Dakota energy efficiency plan filing.

14 MWH of conserved energy achieved through demand response ((12) and (14) should sum to (4))

15 A general explanation of each demand response impact evaluation or estimate, the rationale for using each demand response impact evaluation or estimate, and the amount of expenditures spent on demand response measures for the calendar year (ARSD 20:10:38:06).

Total kWh savings for demand response programs are estimated through demand response models developed from previous load research data for residential curtailment programs in Iowa. These models use known number of participants and high temperatures for the day to estimate total MWh savings for the program based on the number of participating customers. Approximate spending on demand response programs is \$16,000 per year.D14

Generation Mix Attributable to SD in 2014

Utility Name	Coal	Hydro	Nuclear	Wind ¹	Natural Gas	Oil	Biomass	Solid Waste	Waste Heat	Purchases	Other - Please Specify	Total Check
MidAmerican Energy Company	55.37%	0.01%	11.67%	24.18%	0.35%	0.00%	0.00%	0.00%	0.00%	8.42%	0.00%	100.00%

Other: For any generation listed under "Other", please provide the generation source and percentage associated with each.

For the renewable generation listed above, please provide:	South Dakota % Allocation
RECs retired for SD RRCEO compliance in 2014	-
RECs held or "banked" ²	3,535
RECs sold or transferred to other parties ³	72,240

1 Approximately 95% of the Wind energy is considered "Null" Power for Green-e REC reporting. To meet Green-e standards for REC sales, the energy associated with REC sales must be described as "Null" and emissions must be counted at the system average emission rate

2 Wind RECs used for MidAmerican retail customers in 2014. Does not include Iowa AEP RECs

3 "Null" Power wind RECs sold or expected to be sold in 2014. This includes most of the share shown as "Wind" in South Dakota in this report by regulatory requirement.

Notes:

Allocation based on ratio of South Dakota Retail Sales to Total Company Retail Sales

Total energy sources include generation for sales for resale.