

# **South Dakota Renewable and Recycled Energy Objective**

## **2010 Annual Report MidAmerican Energy Company**

MidAmerican Energy Company files the following report in compliance with SDCL 49-34A-105 covering the twelve-month period ending on December 31, 2010. The attached spreadsheet provides the following information:

- Retail Sales (MWh) - Total & SD-based
- Generation Capacity Owned (MW) - Total & SD-based by technology
- Renewable Generation Capacity Owned (MW) - Total & SD-based by technology
- Renewable Generation with RECs retired for SD (MWh) - Total & SD-based by technology
- Renewable Generation with RECs retired for other states/purposes (MWh) - Total & SD-based by technology
- Conserved Energy (MWh) and Capacity (MW)

### **Brief Narrative Report Describing Steps Taken and Challenges or Barriers:**

MidAmerican Energy Company currently is the nation's leader in owned wind generation by a rate-regulated utility and continues to take steps to increase the amount of renewable energy generation capacity in its generation portfolio. At the end of 2010, approximately 20 percent of MidAmerican Energy Company's existing electric generation capability came from renewable resources. In December 2010, MidAmerican Energy Company and Siemens Energy, Inc. entered into a turbine supply agreement for 258, 2.3-megawatt turbines – a total of 593.4 megawatts. The turbines will be erected in Iowa during 2011. When the 593.4-megawatt expansion project is complete, approximately 26 percent of MidAmerican Energy's total generation capacity will come from wind. Production tax credits and the sale of renewable energy credits both help to promote the further development of renewable projects.

Additionally, MidAmerican began offering many of its successful energy efficiency programs to South Dakota customers on May 1, 2009. MidAmerican is offering a variety of energy efficiency programs aimed at helping residential, commercial and industrial customers reduce energy use and save money in the process. In 2010, the South Dakota programs saved customers approximately 400,000 kilowatt-hours of electricity and 237,000 therms of natural gas.

Please provide a value in each of the boxes below with an "X" in it.

Company:  
MidAmerican Energy Company

Calendar Year 2010 RREO Report	Value	Comments
<b>Retail Sales</b>		
Total - All States (MWh)	21,711,926	
SD (MWh)	215,867	
<b>Generation Capacity Owned</b>		
Total - All States (MW)	6,974	12/31/10 nameplate rating per FERC Form 1
SD (MW)	59	Allocated 0.84%
<b>Renewable Generation Capacity Owned</b>		
Total - All States (MW)		
Wind	1,284	
Solar	-	
New Hydro	-	
Old Hydro	4	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	-	
<b>Total - All States (MW)</b>	<b>1,288</b>	
SD (MW)		
Wind	11	
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	-	
<b>Total SD (MW)</b>	<b>11</b>	
<b>Renewable Energy Credits Retired for SD</b>		
Total - Generated In All States (MWh)		
Wind	1,583	
Solar	-	
New Hydro	-	
Old Hydro	52	
Hydrogen	-	
Biomass	225	
Geothermal	-	
Recycled	-	
<b>Total - All States (MWh)</b>	<b>1,860</b>	
Generated in SD (MWh)		
Wind	-	
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	-	
<b>Total SD (MWh)</b>	<b>-</b>	
<b>Renewable Energy Credits Retired for Other States</b>		
Total - Generated In All States (MWh)		
Wind	422,601	Total retired for all states including South Dakota
Solar	-	
New Hydro	-	
Old Hydro	6,165	Total retired for all states including South Dakota
Hydrogen	-	
Biomass	86,745	Total retired for all states including South Dakota
Geothermal	-	
Recycled	-	
<b>Total - All States (MWh)</b>	<b>515,511</b>	Total retired for all states including South Dakota
Generated In SD (MWh)		
Wind	-	
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	-	
<b>Total SD (MWh)</b>	<b>-</b>	
<b>Conserved Energy &amp; Capacity</b>		
Conserved Energy (MWh)		
Total - All States	1,470,277	Per EIA-861 (Annual Effects)
SD	763	Per EIA-861 (Annual Effects)
Conserved Capacity (MW)		
Total - All States	606	Per EIA-861 (Annual Effects)
SD	-	