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**BASIN ELECTRIC  
POWER COOPERATIVE**

1717 EAST INTERSTATE AVENUE  
BISMARCK, NORTH DAKOTA 58503-0564  
PHONE 701-223-0441  
FAX: 701/224-5336



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June 18, 2009

Ms. Patricia Van Gerpen  
Executive Director  
South Dakota Public Utilities Commission  
500 East Capital  
Pierre, SD 57504-5070

Re: Basin Electric Power Cooperative – South Dakota Renewable Energy Objective Report

Dear Ms. Van Gerpen:

Enclosed please find Basin Electric Power Cooperative's Renewable Energy Objective Report per SDCL 49-34A-105 and Senate Bill 57. The format for this report is an Excel spreadsheet provided by the PUD Staff. This report is filed on behalf of the following members within South Dakota:

- Grand Electric
- Rosebud Electric
- Rushmore Electric and their distribution members (Black Hills Electric Cooperative, Butte Electric Cooperative, Cam Wal Electric Cooperative, Cherry Todd Electric Cooperative, Lacreek Electric Association, Moreau Grand Electric Cooperative, West Central Electric Cooperative and West River Electric Association).

Should you have any questions regarding this report, please feel free to contact me at (701) 355-5413 or [cjacobson@bepc.com](mailto:cjacobson@bepc.com).

Sincerely,

Casey J. Jacobson  
Attorney, Office of General Counsel  
Basin Electric Power Cooperative

cc by e-mail:

Ed Anderson, South Dakota Rural Electric Association  
Jerry Reisenauer, Grand Electric  
Bart Birkeland, Rosebud Electric  
Vic Simmons, Rushmore Electric  
Daniel Hutt, Black Hills Electric  
Kenneth Wetz, Butte Electric  
Jeff Bonn, Cam Wal Electric  
Timothy Grablander, Cherry-Todd Electric  
Wayne Sterkel, Lacreek Electric  
Melissa Maher, Moreau-Grand Electric  
Steven Reed, West Central Electric  
James Pahl, West River Electric

**Company:**

## Basin Electric Power Cooperative

Calendar Year 2008 RREO Report	Value	Comments
<b>Retail Sales</b>		
Total - All States (MWh)	14,071,282	Member Sales
SD (MWh)	3,006,945	Member Sales
<b>Generation Capacity Owned</b>		
Total - All States (MW)	2,828	
SD (MW)	169	
<b>Renewable Generation Capacity Owned</b>		
Total - All States (MW)		Summer Nameplate Capacity
Wind	136.0	5.2 MW owned, 130.8 MW long-term purchased power agreement
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	33.0	0 MW owned, 33 MW long-term purchased power agreement
<b>Total - All States (MW)</b>	<b>169.0</b>	
<b>SD (MW)</b>		
Wind	42.6	2.6 MW owned, 40 MW long-term purchased power agreement
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	16.5	0 MW owned, 16.5 MW long-term purchased power agreement
<b>Total SD (MW)</b>	<b>59.1</b>	
<b>Renewable Energy Credits Retired for SD</b>		
Total - Generated In All States (MWh)		
Wind	-	
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	-	
<b>Total - All States (MWh)</b>	<b>-</b>	
<b>Generated in SD (MWh)</b>		
Wind	-	
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	-	
<b>Total SD (MWh)</b>	<b>-</b>	

**Company:**

## Basin Electric Power Cooperative

Calendar Year 2008 RREO Report	Value	Comments
<b>Renewable Energy Credits Retired for Other States</b>		
Total - Generated In All States (MWh)		
Wind	28,205	Minnesota and North Dakota
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	30,608	North Dakota and Dakota Gasification Company
<b>Total - All States (MWh)</b>	<b>58,813</b>	
Generated In SD (MWh)		
Wind	-	
Solar	-	
New Hydro	-	
Old Hydro	-	
Hydrogen	-	
Biomass	-	
Geothermal	-	
Recycled	23,960	Waste Heat Recovery Projects
<b>Total SD (MWh)</b>	<b>23,960</b>	
<b>Conserved Energy &amp; Capacity</b>		
Conserved Energy (MWh)		
Total - All States	-	
SD	-	
Conserved Capacity (MW)		
Total - All States	-	
SD	-	

<b>Technology</b>	<b>Definition*</b>
<b>Wind</b>	Wind that uses wind as the source of energy to produce electricity
<b>Solar</b>	Solar that uses the sun as the source of energy to produce electricity
<b>Hydro</b>	Hydroelectric that uses water as the source of energy to produce electricity
New Hydro	Facilities with an inservice date of July 1, 2008 or after
Old Hydro	Facilities with an inservice date before July 1, 2008
<b>Hydrogen</b>	Hydrogen that is generated from one of the sources listed in this section
<b>Biomass</b>	Biomass that uses agricultural crops and agricultural wastes and residues, wood and wood wastes and residues, animal and other degradable organic wastes, municipal solid waste, or landfill gas as the fuel to produce electricity
<b>Geothermal</b>	Geothermal that uses energy contained in heat that continuously flows outward from the earth as the source of energy to produce electricity
<b>Recycled</b>	Recycled energy systems that produce electricity from currently unused waste heat resulting from combustion or other processes and which do not use an additional combustion process. The term does not include any system whose primary purpose is the generation of electricity

\*Per SDCL 49-41B-94 and SDCL 49-41B-103