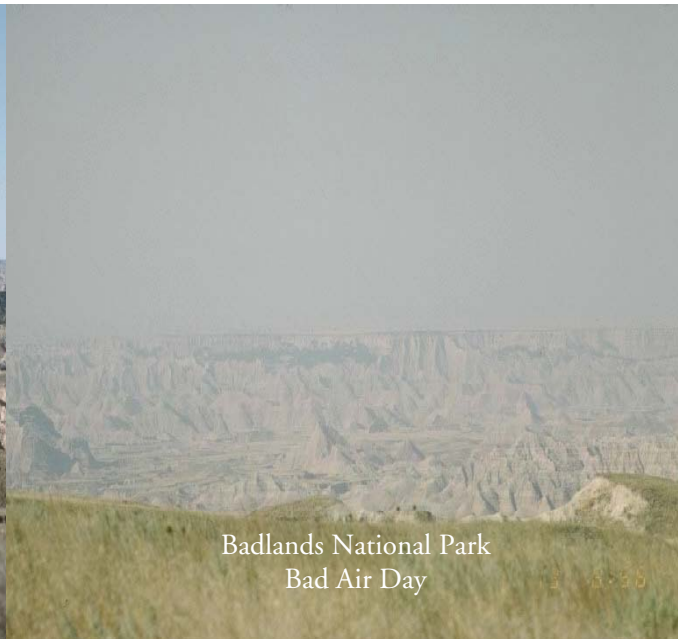




Badlands National Park
Good Air Day



Badlands National Park
Bad Air Day

Photos courtesy of Air Resource Specialists, Inc.

Badlands National Park: Air Quality at Risk

Park highlights

- Located in southwestern South Dakota, Badlands National Park consists of 244,000 acres of sharply eroded rocky buttes, pinnacles and spires, blended with the largest protected mixed grass prairie in the United States.
- Visitors can enjoy park trails with views of the White River Valley and unique Badlands rock formations.
- The park contains some of the world's richest fossil beds, dating 23 to 25 million years old.

Current air quality

- Although visitors should normally see 151 miles, haze in Badlands National Park has reduced the average view to 78 miles, and to 48 miles during the days with the worst haze pollution.
- Ozone and particle pollution account for most haze observed in the park on poor visibility days. These same pollutants can also cause breathing problems, asthma attacks and heart damage.
- Field surveys and controlled studies by the National Park Service show that ozone pollution damages some types of vegetation in the park.

New coal-fired power plants

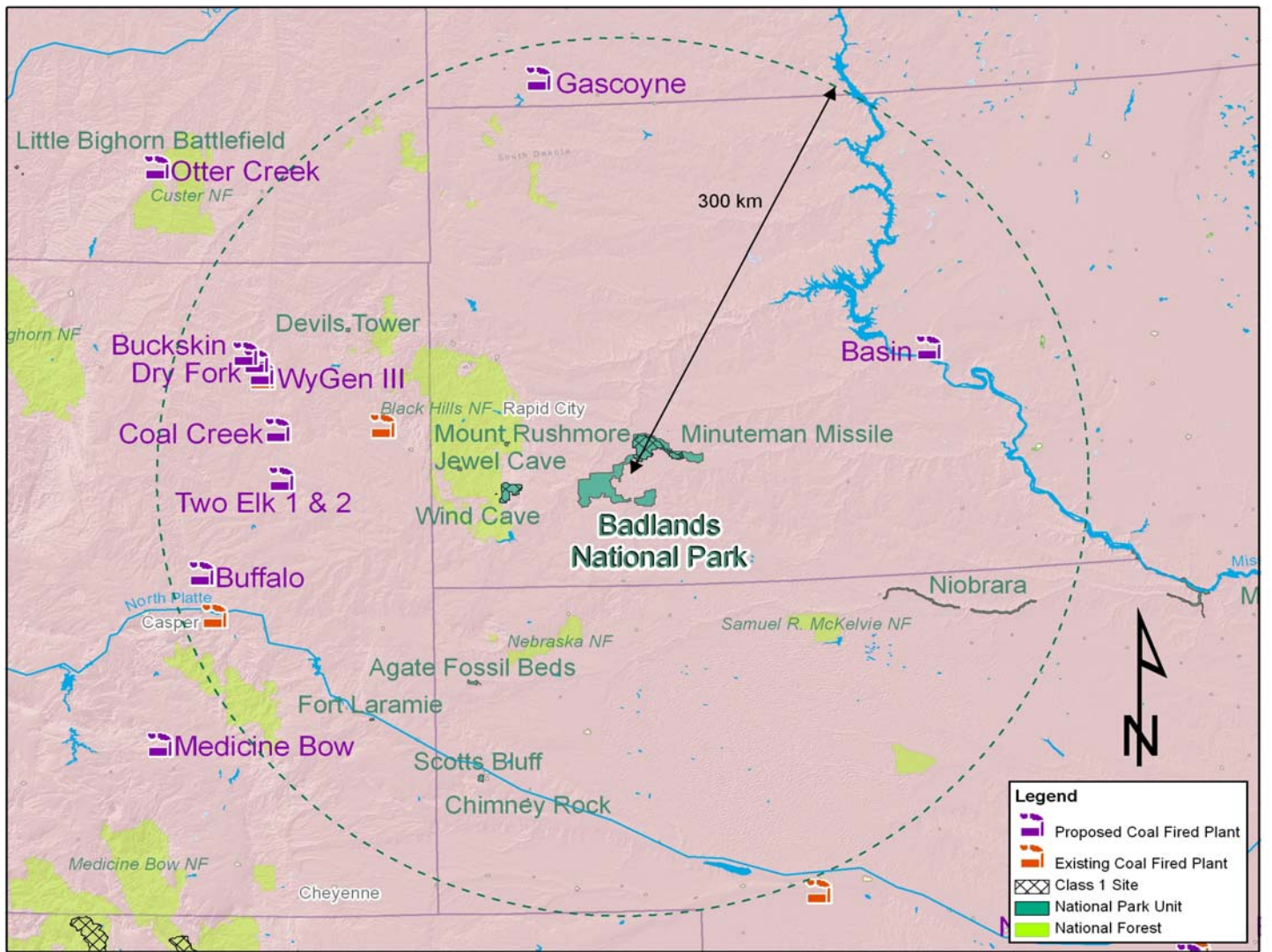
- Seven new coal-fired power plants are under active development within 186 miles (300 km) of Badlands National Park.
- Each year, these new plants would emit into the Badlands area air shed more than 17 million tons of carbon dioxide, 9,193 tons of sulfur dioxide, 7,843 tons of nitrogen oxides, and 1,501 pounds of toxic mercury. This new pollution will mean more hazy days, increased health risks to visitors, and more damage to park plants and animals.

National Park Service findings

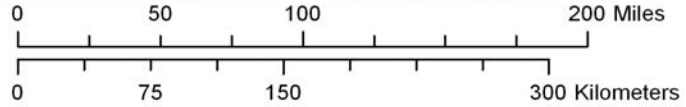
- "Technical analysis shows that lower emissions [from WYGEN2] could now be achieved by converting the project to a [cleaner type of coal technology], and/or by improving the efficiencies of the chosen emission control technologies."



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Badlands: Proposed Coal Fired Power Plants



Power plants that have received permits or are in active permit process

Plant	Location	Owner	Size (MW)	Distance from park	CO2 tons/yr	SO2 tons/yr	NOx tons/yr	Hg lbs/yr	Permit Status
Dry Fork Station	Campbell County, WY	Basin Electric Power Cooperative	385	220 km	2,437,500	1,165	833	327	Final air permit issued October 2007
WYGEN 2	Campbell County, WY	Black Hills Corp.	100	213 km	2,510,178	569	399	141	Final air permit issued July 2005
WYGEN 3	Campbell County, WY	Black Hills Corp.	100	213 km	2,510,178	512	285	80	Final air permit issued February 2007
Two Elk Energy Park Unit 1	Campbell County, WY	North American Power Group	280	190 km	2,112,500	1,711	1,167	49	Final air permit re-issued May 2003
Two Elk Energy Park Unit 2	Campbell County, WY	North American Power Group	750	190 km	6,239,818	2,753	2,202	164	Application received September 2006
Gascoyne 500	Bowman County, ND	Westmoreland Power	500	260 km	3,250,000	1524	2286	660	Draft air permit issued May 2007
Evergreen Coal Creek	Campbell County, WY	Evergreen Energy Inc	NA	195 km	NA	959	671	80	Application received November 2006
Total New Pollution into Badlands Area Airshed					17,695,356	9,193	7,843	1,501	

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