



BASIN CREEK POWER SERVICES

Developer: Basin Creek Power Services

Location: Butte, Montana, USA

Installed: December 2005

Commercial: July 2006

In order to protect consumers from spikes in the price of electricity, Basin Creek Power Services, LLC (Basin Creek), sought to increase Northwestern Energy's reserve capacity with minimal environmental impact by providing a green-field, low-emissions, peaking power plant.

Basin Creek will provide electricity under a 20-year Capacity and Energy Sales Agreement (CESA) with Northwestern Energy, an investor-owned utility that supplies electricity and natural gas to more than 600,000 customers in the northwest quadrant of the United States.

The complete power plant was built in nine months and consists of nine (9) Cat® G16CM34 generator sets operating on natural gas rated at 5.75 MW, for a total plant output of 51.8MW. With the use of highly efficient lean burn technology and emissions reducing catalysts, the plant is among the cleanest burning, lowest polluting energy resources in North America. The G16CM34 engines are manufactured by Caterpillar Motoren GmbH & Co. KG, in Kiel, Germany. Caterpillar Power Generation Systems (CPGS) constructed the plant with the capacity to have the engines started and ramped-up to full load in less than ten minutes.

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Caterpillar provided project management, plant systems design and engineering, and full operation and maintenance services to the plant.

The Basin Creek plant will supply reserve capacity to the Montana electric power grid and will also play an important part in supporting the new wind energy resources being implemented in Montana. Wind, by nature, is a constantly varying energy resource that requires an alternate source of power to meet the system load requirements. The Basin Creek plant will be dispatched, when needed, to support the wind energy resources.

Caterpillar Power Generation Systems provides total solutions for your business. We have the equipment, services, knowledge and experience to help meet your 1-100 MW power needs.

For additional information visit our website: www.cat.com/powerplants or email us at: cat-powerplants@cat.com.

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