Day 4. Thursday, August 14, 2003: Hayden Power Plant

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Hayden Power Plant

Xcel Energy factsheets and map, Xcel Energy web site
http://www.xcelenergy.com

Xcel investing millions in conservation plans, Savings mean fewer new power plants, Denver Post, Steve Raabe, June 2, 2003
About Xcel Energy

Our name reflects our core value — excellence in energy products and services. At Xcel Energy, we are dedicated to providing our customers the best in service, value, and information to enhance their professional and personal lives. We are committed to satisfying our customers by continuously improving our operations to be a low-cost, reliable, environmentally sound energy provider. We have been successfully proving this to our customers for the past 130 years and will work hard to continue with this commitment in the future.

Formed by the merger of Denver-based New Century Energies and Minneapolis-based Northern States Power Co., Xcel Energy is the fourth-largest combination electricity and natural gas energy company in the United States. We offer a comprehensive portfolio of energy-related products and services to 3.2 million electricity customers and 1.7 million natural gas customers. We have regulated operations in 12 Western and Midwestern states and revenue of $9.5 billion annually; own over 240,000 conductor miles of electricity transmission and distribution lines, and more than 32,700 miles of natural gas pipelines; and operate regulated power plants that generate about 15,246 megawatts of electric power.
With operations in 12 Western and Midwestern states, Xcel Energy provides a comprehensive portfolio of energy-related products and services to 3.2 million electricity customers and 1.7 million natural gas customers through its regulated operating companies.

States served are shaded, below: Arizona, Colorado, Kansas, Michigan, Minnesota, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, Wisconsin, Wyoming.
Details available on these power stations:

- Ames
- Arapahoe
- Cabin Creek
- Cameo
- Cherokee
- Comanche
- Fort St. Vrain
- Georgetown
- Hayden
- Pawnee
- Peetz Table
- Ponquequin
- Salida
- Shoshone
- Tacoma
- Valmont
- Zuni
Hayden Station

Location: Hayden, Colorado

Plant Description: Hayden Station is a coal-fired, steam-electric generating station with two operating units. The plant has three owners, with operational responsibilities held by Xcel Energy. Ownership is as follows: Unit 1 – Xcel Energy (75.5%), PacifiCorp, Portland, Oregon (24.5%) Unit 2 – Salt River Project, Phoenix, Arizona (50%), Xcel Energy (37.4) and PacifiCorp, (12.6%)

Power Production Capabilities: 446 megawatts (MW): Unit 1 – 184 MW and Unit 2 – 262 MW

Fuel Source: Low-sulfur coal trucked from Peabody Coal’s Seneca mine

Plant History: Unit 1 construction began in 1962, and the unit became operational in 1965. Unit 2 construction began in 1972, and it was placed into service in 1976. Hayden Station was acquired by Public Service Co. of Colorado, a predecessor to Xcel Energy, and the other owners in 1992 from the Colorado-Ute Electric Association.

Interesting Features: Hayden Station discharges no water offsite. The plant is also one of the cleanest coal-fired generating stations in the region with state-of-the-art emissions control equipment.

Environmental Highlights: Both units at Hayden Station have three different emissions control systems, including baghouses, dry scrubbing systems and low-NOx burners. Baghouses act like giant vacuum cleaners, removing particulate emissions from the flue gas by more than 99 percent. Dry scrubbing systems reduce sulfur dioxide (SO2) emissions by about 85 percent, and over-fire air equipment reduces nitrogen oxide (NOx) emissions by up to 50 percent.

Community Involvement: Hayden Station employees make significant contributions to the local community through donations to the United Way and by serving on local boards, coaching sports and working as volunteer firefighters, emergency medical technicians and search and rescue team members. The plant also supports a variety of community projects each year in both Routt and Moffatt counties.

Contact Information:
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