

# COMANCHE STATION



# Public Service Co. of Colorado

- **Original company founded in November 1869 as the Denver Gas Company**
- **PSCo Generating Stations**
  - ◆ **Fossil Fuel Generating Stations: 9**
  - ◆ **Hydroelectric Generating Stations: 6**
  - ◆ **Wind Generating Stations: 1**
- **PSCo serves electricity to about 70 percent of the state's population, primarily along the major interstate corridors**

## Comanche Station:

- **Comanche is one of 16 generating stations on the Colorado system**
- **Comanche is a coal-fired, steam-electric power plant operating three units**
- **Comanche burns low-sulfur coal from the Powder River Basin near Gillette, Wyo.**

## Comanche Station (Continued)

- **Original construction on Comanche unit 1 began in April 1971, and unit 2 began construction in July 1973**
- **Gross Capacity – 700 Megawatts**
- **660 Net Megawatts**
  - **Unit #1 – 325 megawatts (in service November 1973)**
  - **Unit #2 – 335 megawatts (in service December 1975)**

## Comanche Station (Continued):

- **Comanche 3 broke ground in 2005  
commercial operation July 2010**
- **Gross Capacity – 850 Megawatts**
- **750 NMW Supercritical unit (Nameplate)**
- **All 3 Units - 1550 GMW**
- **Comanche is the largest power producing  
plant in Colorado**

## Highlights:

- **Located one mile from Evraz Rocky Mountain Steel Mill (the single largest customer on the Xcel Energy system in Colorado they are also the only direct customer in the area)**
- **Comanche supplies electricity in part to other companies serving the immediate area such as Black Hills Energy**
- **Remainder of power used to reinforce the company's and the western U.S. grid**

# Comanche 3 Project Highlights

- **Supercritical boiler**
- **Generation more than doubled while SO<sub>2</sub> and NO<sub>x</sub> emissions are significantly reduced**
- **Mercury monitoring, testing and controls for all units**
- **Low-water use cooling technology (Air Cooled Condenser)**

QUESTIONS?



# Contact Information

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