

EXPLORING STEEL ENERGY AND THE WEST



NUMBER THREE IN A SERIES OF 10

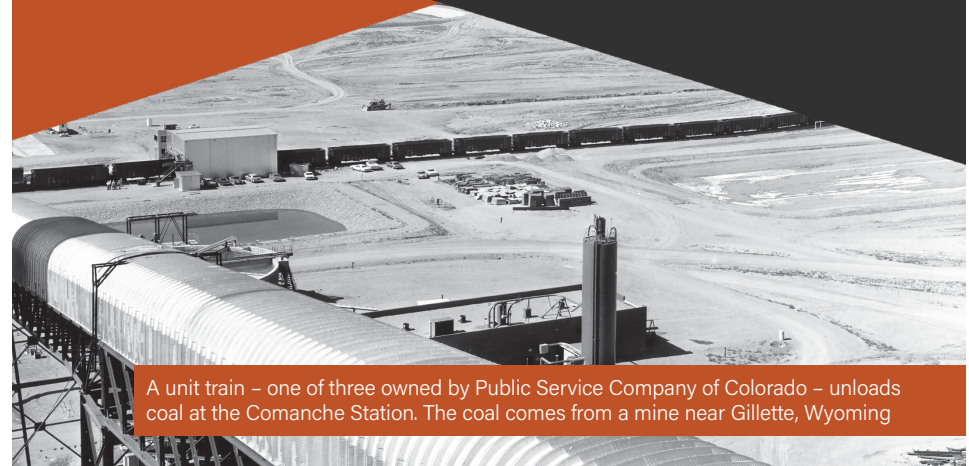
See the exhibit at www.pueblolibrary.org/exploringsteel

Comanche coal-fired electrical generating facility



ELECTRICITY GENERATION

While the Comanche electrical generating station is certainly not the first of its kind in the Pueblo area, the station plays a key role to deliver the electricity needs of the steelworks. Unit #1 at Comanche was dedicated on December 5, 1973 and Unit #2 followed in 1976. The units are capable of producing 325 megawatts and 335 megawatts of power, respectively. The total cost of constructing both units was approximately \$180 million. The stacks are constructed to a height of 500 feet. The generating station was strategically placed just to the southeast of the steelworks to provide electricity to the growing needs of the facility. One 230,000-volt transmission line connected directly to the mill's electric arc furnace and two 115,000-volt lines connected elsewhere at the steel mill. Excess electricity from Comanche is sent via two 230,000-volt lines to the Midway Substation between Pueblo and Colorado Springs and one 115,000-volt line to wholesale customers via the grid.



A unit train – one of three owned by Public Service Company of Colorado – unloads coal at the Comanche Station. The coal comes from a mine near Gillette, Wyoming