

Standing Rock Rural Water System

The Standing Rock Rural Water System received \$29.2 million in American Recovery and Reinvestment Act funding. Reclamation partnered with the Standing Rock Sioux Tribe. The funding was used to construct the Standing Rock Water Treatment/Indian Memorial Intake Pump Station, a raw water pipeline, two transmission pipelines and Kline Butte Storage Reservoir.

Kline Butte Storage Reservoir

Kline Butte Storage Reservoir was constructed using \$3.6 million in American Recovery and Reinvestment Act funding. It consisted of construction of a 5 million gallon ground storage reservoir. The storage reservoir will serve as the main regulation reservoir on the Standing Rock Rural Water System and is located southwest of Kenel, S.D.

Raw Water Pipeline

A raw water pipeline was constructed from the new water intake station to the water treatment plant. It consists of approximately 6.4 miles of 24-inch diameter pipe. The cost of the construction was \$2.3 million.

Standing Rock Water Treatment/Indian Memorial Intake Pump Station

The Standing Rock Water Treatment/Indian Memorial Intake Pump Station received \$16.7 million in funding. The water treatment plant has a capacity of 3 million gallons per day with the ability to expand to 5 million gallons per day. Offices and a maintenance facility were included in the construction. The water intake portion of this project was placed in a deeper part of Lake Oahe, reducing the impact of severe droughts on the water supply. The water treatment plant uses state-of-the-art water treatment technologies with the capability of meeting current and future safe drinking water treatment standards.

Main Transmission Pipelines

Two transmission pipelines were constructed. The first transmission line was constructed from the water treatment plant to the Kline Butte Storage Reservoir and cost \$4.2 million. It consists of approximately 8.7 miles of 20-inch diameter pipe. The second transmission line was constructed from Kline Butte Storage Reservoir to the junction of the northern and western distribution systems and cost \$2.6 million. It consists of approximately 8.8 miles of 20-inch diameter pipe.

