

Great Plains Region ARRA Projects

The Great Plains Region encompasses all or parts of nine states including Montana, North Dakota, South Dakota, Wyoming, Colorado, Nebraska, Kansas, Oklahoma and Texas. The American Recovery and Reinvestment Act provided \$278.1 million within this region for projects to recover and stabilize the economy of the United States in a short time period.

ARRA funded projects in Reclamation's Great Plains Region constructed 378 miles of pipelines, allowed various rural water projects to treat 52 million gallons of water per day and provided necessary maintenance at the Leadville Mine Drainage Tunnel Water Treatment Plant so it could treat 800 million gallons of water per year.

A majority of the funding received by the Great Plains Region went to six congressionally authorized rural water projects. Significant progress was made toward completion of five projects and funding allowed for the completion of the Perkins County Rural Water Project in South Dakota.

Title XVI Water Reclamation and Reuse

Water Reclamation and Reuse Projects reclaim and reuse wastewater and naturally impaired ground and surface waters. The City of Round Rock Texas expended \$1.2 million in funding for implementation of a direct, non-potable reuse project to treat wastewater and make it available for irrigation.

Infrastructure Reliability and Safety

The Flatiron penstock, part of the Colorado-Big Thompson Project in Colorado, has been in service since 1954. It drops water 1,064 feet through a mile of pipe to the Flatiron hydroelectric powerplant. Reclamation spent \$15.6 million to remove the internal and external coatings, which were original to the penstocks and more than 50 years old. A new, more efficient protective coating was applied on the inside and outside of the penstocks. Additionally, new ultra-sonic flow meters were installed. The new coating and flow meters improve water accounting and power plant efficiency.



Flatiron Penstock Coating Project - CO

Rural Water Projects

Perkins County (South Dakota) - \$7.7 million

The \$7.7 million in ARRA funding allowed for construction of the Perkins County Rural Water System to be completed. This project serves 2,300 people in South Dakota.

Fort Peck/Dry Prairie (Montana) - \$47.4 million

The Fort Peck (Assiniboine and Sioux) Reservation/Dry Prairie Rural Water System provides water to more than 27,000 people in eastern Montana. Funding was used to complete construction of the water treatment plant and accelerate right-of-way acquisition, engineering design and construction of project pipeline segments.

Garrison Diversion Unit (North Dakota/South Dakota) - \$77.4 million

This rural water project provides water in North Dakota and South Dakota. Recovery Act funding was used for the construction of a new water treatment plant and storage for the Standing Rock Sioux Tribe, piloting and design of a water treatment plant rehabilitation/expansion project for the Spirit Lake Sioux to address arsenic compliance issues, expansion of the Four Bears water treatment plant for the Three Affiliated Tribes Rural Water System, the construction of a new water treatment plant for the Southwest Pipeline Project and a new intake and water treatment plant for the South Central Regional Water District.

Lewis and Clark (South Dakota, Iowa, Minnesota) - \$59.5 million

The Lewis and Clark Rural Water System serves residents of South Dakota, western Minnesota and Iowa. When complete, the system will provide a reliable water supply to about 300,000 people. Funding was used for construction of the system's water treatment plant.

Mni Wiconi (South Dakota) - \$22 million

Mni Wiconi Rural Water System will provide drinking water for residents of three tribal water systems and one non-tribal system where previous water supplies were insufficient or of poor quality. Funding was used to improve the Bureau of Indian Affairs/Bureau of Indian Education school water system prior to receiving water from the Oglala Sioux Rural Water Supply System. Funding was also used to improve water system reliability to the overall system.

Rocky Boys/North Central Montana (Montana) - \$27.7 million

The Rocky Boys/North Central Rural Water Project will provide water to approximately 43,000 people in north central Montana. Funding was used to construct the intake superstructure, acquisition of pipeline rights-of-way, and design and construction of critical pipeline segments.