



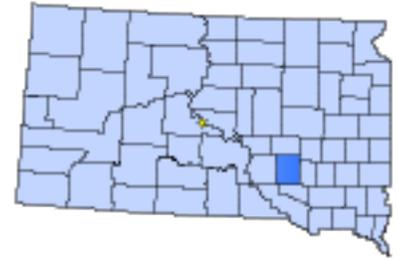
FEMA

South Dakota Electric Cooperative Moving Power Lines Underground

Aurora County, SD - Winter ice storms in early 1995 brought heavy mechanical stress to the overhead power lines, poles, hardware, and wire in this City. As a result, the utility was weakened, and its ability to withstand normal stress brought about by natural forces was impaired.

These damages would have made the lines increasingly vulnerable to each ice storm. The damaged overhead line was replaced with an underground distribution line of the same voltage. Cable was buried four feet under the ground's surface. Approximately 770 people depended on the electricity provided by this line.

By replacing the overhead line with underground cable, the threat of ice and wind damage was decreased. The use of underground cable will also eliminate "sagging," which all damaged power lines will experience over time. Property and economic losses due to unexpected electrical outages will be reduced.



**Aurora County,
South Dakota**



Quick Facts

Sector:

Public

Cost:

\$316,642.00 (Estimated)

Primary Activity/Project:

Utility Protective Measures

Primary Funding:

Hazard Mitigation Grant Program (HMGP)