

Utilities Department – Highlights for 2008

Production Division:

- Peak Hourly Demand: 151,800 kWh at 5:00 p.m., July 31, 2008
- Minimum Hourly Demand: 46,300 kWh at 4:00 a.m., November 19, 2008

Transmission and Distribution Division:

- Completed a SCADA interface with the Nebraska Public Power District to meet federal regulations
- Completed re-configuration of an interconnection transmission line with the Nebraska Public Power District
- Completed a transformer bushing replacement project due to a known problem with existing bushings.

Water Division:

- Peak Pumping Day: August 1, 2009 - 25,131,222 gallons
- 832 Weekly Samples collected for water testing
- 4,842 Fire hydrants checked
- 27 Broken Water Mains Repaired – 6" thru 12"
- 302 Water taps made ¾" to 12"
- 446 Meters Installed, replaced or rebuilt 5/8" thru 6"

Construction & Engineering Division:

- Prepared 13 RFQ and Contract Specifications for Water and Electric Departments
- Conducted surveys and construction stake-outs for all electric and water projects
- Maintained eleven databases for electric and water system maintenance records, including: water mains, valves, hydrants, private services, electrical transformers, switches, cable, street lighting and pad-mounted enclosures
- Completed field audit of utility pole attachments – 15,038 pole inspections
- Prepared 32 easement documents, plats and permits
- Drafted or revised 988 electrical or water plans, drawings and maps
- Conducted 20 fire flow tests for commercial developments
- Inspected, tested, and placed in service 32 water main projects and commercial services
- Coordinated and maintained GIS data for infrastructure networks
- Revised MapSifter data structure and updated all GIS geodatabase features for MapSifter applications
- Modified and updated City's web pages for Human Resources, Heartland Shooting Park, Fire, Parks and Police Departments

Overhead Distribution:

- Changed out, added, or upgraded 263 overhead transformers
- Added 255 wood poles, 18 steel poles and 182 street lights to the system
- Added 14 three phase switches
- Completed upgrade of 8½ miles of overhead line consisting of 155,882 feet of conductor and fittings
- Maintenance included adding squirrel guards, downtown Christmas lights, inspecting all tree trimming contracts and adding line spoilers to prevent icing

Underground Distribution:

- Installed 71 new and 45 replacement transformers in 13 residential subdivisions
- Installed 30 new and nine replacement commercial transformers for 20 commercial services
- Performed 5,110 locates and inspected 630 transformers