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Grant Agreement – DTPH56-10-G-PHPT19

Etowah Utilities is located in Etowah, TN and is owned by the City of Etowah as a public utility. As a public utility they provide Natural gas, Electricity and Water/Wastewater to the city of Etowah and surrounding areas. Using the grant money provided, Etowah Utilities installed a working GIS mapping system for facilities management. Etowah Utilities purchased ESRI ArcEditor which allows in house updating and editing of all infrastructures. This program allows Etowah Utilities to maintain all records pertaining to the Natural Gas system stored in one location and also allows a visual representation of the records. This info being stored all in one location allows for quick decision making using system wide information.

The first step was building a database model to ensure all necessary attributes were captured. Etowah Utilities database was built to ensure maximum software utilization and ensure all current regulatory guidelines were met. The database was built to maintain all pertinent information that will allow employees at Etowah Utilities to make sound decisions on day to day operations and in critical situations.

Next, Etowah Utilities teamed with a local engineering firm who already were collecting data and drawing Etowah Utilities Natural Gas Lines into a CAD program. The data already collected was not lost in the conversion. The data was converted into GIS by projecting the files to match existing land base data such as aerial images and road centerlines. This has laid a solid foundation and created a standardized way of inputting new Natural Gas assets.

In addition to all information gathered from other sources Etowah Utilities installed an interface tool that allowed all CIS data to be tied back into the GIS. This has increased the amount of useful information inside of the GIS by giving access to items such as usage, history and other customer information needed all in one location.

This Project was completed on July 30, 2011 at \$50,000. Etowah Utilities is excited to find further uses for GIS and how it can help in day to day operations.