

# **THE GAS BOARD OF THE CITY OF FAYETTE**

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Grant Agreement – DTPH56-10-G-PHPT21

The Gas Board of the City of Fayette who facilitates providing natural gas in the surrounding areas of Fayette, AL has completed implementation of a GIS System as well as a complete database system for facilities management. All of this work was completed utilizing PHMSA grant funds for the fiscal year 2011. The GIS is based on current esri technology. Esri Arcview and ArcPublisher were purchased utilizing grant funds. This has allowed the gas board not only to keep mapping records and database information current, but to also deploy to field personnel for quick decision making with system wide information.

The initial task of designing a facility database repository was completed with a local consulting firm. This allowed the gas board to ensure maximize utilization of software as well as to meet necessary regulatory guidelines using today's most current technology. By implementing robust database of information regarding all facilities and extraneous factors throughout the area, employees from the gas board can now more accurately make critical decisions through analysis to increase safety for its consumers.

Once the database design was completed, the entire system was input into the new GIS capturing as much information as possible. Each main was digitized and attributed with corresponding information. By doing this two things were accomplished. First and foremost a solid foundation and standard for required information was set. Secondly, this allowed employees to assess what future information that would be able to aide in daily operations would be needed.

As well as current mapping information input into the new system, an interface into the CIS database was created to enable field personnel access to customer information. This has further increased the ability to use the new system for analysis due to the large amount of information such as customer usage and history now being readily available.

This project was completed in July of 2011 at a final cost of \$50,000. The Gas Board of the City of Fayette looks forward to the long-term use of its new GIS as well as the benefits it will bring to its consumers and general surrounding public.