

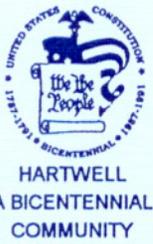
# City of Hartwell

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**City Manager**  
David L. Aldrich

**City Clerk**  
Jean Turner

**Finance Officer**  
Joan Hughes

**Police Chief**  
Cecil Reno

**Fire Chief/  
Fire Marshall**  
Terry Vickery

**Sanitation  
Superintendent**  
Dean Carruth

**Public Works  
Director**  
Dennis White

**Gas Superintendent**  
Audie Lavolette



GOVERNOR'S  
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CERTIFIED LOCAL  
GOVERNMENT

June 1, 2012

Ms Maria Munoz  
Agreement Administrator  
U.S. Department of Transportation  
Pipeline and Hazardous Materials Safety Administration  
Office of Acquisition Services, PHA-30  
1200 New Jersey Avenue, SE, E22-305  
Washington D.C. 20590

Mr. Sam Hall  
Grant Officer's Technical Representative  
U.S. Department of Transportation  
Pipeline and Hazardous Materials Safety Administration  
Office of Pipeline Safety, PHP-20  
2180 Adventure Lane  
Maidens, VA 23102

## Re.: GRANT AGREEMENT DTPH56-11-G-PHPT04 Final Report

Dear Madam and Sir:

This letter is the Final Report for the above-referenced contract. It shall serve to satisfy the requirements in **Article IV Deliverables** and **Article X Reports** in the contract, and shall demonstrate the completion of the work as outlined in **Article III Expected Program Outputs**.

The City of Hartwell, which operates a natural gas distribution system, has created a Geographic Information System (GIS) to capture and report data about gas mains and appurtenances and their geographic location in relation to physical structures such as roads, railways, waterways, land parcels and buildings within the boundaries of the operations area. The GIS system is an AutoCAD platform database. The initial land base data was provided by the Hart County 911 operations center for the land area within the city limits of Hartwell. Subsequently, additional land base files were acquired through other Hart County Government Agencies and other commercial providers for the areas within the service territory that fall outside city limits. Geospatial representations of gas system facilities were then overlaid on

the land base data. Both physical (pipe material, valves, regulators, etc.) and operational (flow direction, operating pressure, corrosion protection) attributes were assigned to the pipe representations.

Plans are to further enhance the system capabilities by acquiring and documenting GPS data at critical points within the system such as critical valves and regulator stations. Considerations of other system enhancements include GPS data for all valves, services, and meter sets in the system.

By creating the system mapping system, Hartwell obtained valuable system knowledge of infrastructure and gained many analytical tools to aid with Integrity Management and risk analysis. As well, Hartwell is now able to assess the infrastructure not only by quantities, but by spatial aspects of how the utility and the rest of the outside world and forces continue to interact from day to day. In addition, better location information has been made available to aid in location of facilities and the prevention of third party damage. Maps and records can be made available to aid the operator in locating facilities for excavators and make maps available to planners to work around conflicts with road projects.

With the completion of the project and with the operational information now available, the City of Hartwell has agreed to explore options for formal intergovernmental agreements with other Hart County agencies to share GIS information. For example, the County may provide additional updates to aerial photography, tax parcel lines, and road center lines for incorporation to the City GIS. The City will make available its utilities information to the county Emergency Management Agency. This will allow emergency agencies such as Police and Fire to locate relevant utility information more promptly and will aid emergency responders.

The GIS system implementation has resulted in a much more robust information system and a significant upgrade to the previous paper maps. The City of Hartwell is now considering soliciting bids to add water and sewer systems information to the new GIS.

The project was completed at a final cost of \$55,060.84. Of that amount \$50,000.00 was federal funds under this contract and \$5,060.84 was local funds.

Sincerely,



David Aldrich  
City Manager

Enclosures: SF-425