

Municipal Government Solutions



Project Summary:

MCH Corporation (MCH) performed systems integration and data conversion services to convert energy usage data for the City of Knoxville into formats for analysis. The purpose of the analysis was to be able to track the efficiency of city owned/operated buildings.

The solution involved the implementation of Microsoft .Net application using C# and Microsoft Office 2003 as well as:

- a. Implementing classes to parse utility usage data.
- b. Implementing data inspection classes to assess the quality and completeness of the imported data.
- c. Integration with Microsoft Office using the Office SDK
- d. The implementation of .Net based Web Services
- e. Use of NUnit Unit Testing and Test Plan Development
- f. Use of Subversion for Configuration Management
- g. The implementation of .Net based Windows Services
- h. The implementation of custom web controls
- i. The extensive use of SQL Server and its features
- j. The integration of Microsoft Enterprise Library Blocks
- k. The integration of RAD and Infragistics web controls

The solution effectively provided the City of Knoxville with a method of analyzing their energy usage data to enable them to track the success of their energy conservation initiatives.

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Client:

City of Knoxville, TN

Location:

Knoxville, TN

Highlights:

- The end to end solution was implemented rapidly (< 3 weeks).
- MCH was selected as a sole source provider given our experience as a customer software engineering firm.
- All data was successfully imported and analyzed
- The project was for the Purchasing Department of the City of Knoxville.

PLEASE CALL US FOR MORE INFORMATION AT:

1-800-392-2103



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