

IT 2008-2009 GIS Goals, Objectives and Strategies

GOAL: To improve and maintain the momentum of GIS growth and development in Frederick County.

Objective: To migrate the County's GIS into an Enterprise system.

Strategy Migrate to SQL, ArcSDE, and ArcServer. This provides the enterprise backbone for the County's GIS. By loading all GIS data into Geodatabases stored on this system all data is now centrally stored and backed up nightly as part of the County's data warehouse.

Strategy Incorporate a County wide Geodatabase. Catalog and categorize all the planimetric data and orthophotos into functional datasets across departmental lines. Enabling the entire County's geographic information to be centrally stored and accessed simultaneously by multiple editors from various departments at one time.

Objective: Develop and maintain a set of Metadata, information about information, for all of the GIS data in the main system.

Strategy Promote a standardized metadata format. By developing metadata files, the Frederick County GIS Program will be able to comply with State and Federal requirements and standards for GIS data development and distribution. Staff members will work closely with the State GIS office to ensure that the metadata that is created for each dataset meets state requirements.

Objective: To promote GIS use and increase the number of GIS end-users within the county system.

Strategy Develop in-house training programs. The County's GIS staff will conduct one-on-one or small group training sessions as needed at the GIS Divisions location for those individuals who do not currently have the capability to do so in their own work area, and conduct training on-site for those individuals or departments with the computers and software needed to perform GIS tasking.

Strategy Lead the GIS User Group in future development. The GIS staff

will assist the group in designing and developing any future GIS interests and provide constructive suggestions and guidance. Staff will research and query other GIS agencies in an effort to avoid re-inventing the wheel in GIS development.

Strategy Provide assistance to other departments and end-users. Experience and expertise in GIS use will be gladly shared to assist end-users in design, analysis, and project development specific to the user. Departments and individuals may freely utilize the GIS staff to produce GIS products if they have no means to do so themselves.

Strategy Develop personalized and user-friendly GIS interfaces. GIS staff will assist end-users in software installation, customization, and working up a system feel that is complimentary to the end-users desires and tasking.

Objective: Provide easy access to geographic data for County staff and Citizens that are not GIS trained.

Strategy Install the new ArcIMS web server. The new ArcIMS web server replaces a current PC being used to host the interactive mapping. IIS 6.0 with Tomcat will be installed as the web server, ArcIMS and Freeance 5.0 will be installed on top to create the new web sites.

Strategy Expand the ArcIMS interactive web site. This new web server will hold more Interactive mapping services, serving easy to use sites to GIS end-users with limited needs for GIS. New services being designed include Stephens City and a Historical Aerial Photos service.

These interactive mapping sites will also host a variety of new data layers not currently available over the internet. Some of the new data layers being added include Fire & Rescue, Sheriff, Convince Sites and FEMA Flood Plains.

GOAL: To provide occasions for public involvement and GIS education.

Objective: Involve the public in GIS development and promote GIS awareness. Provide hands-on involvement in learning and using GIS.

Strategy Conduct annual GIS Day. Provide clear and accurate information

on what GIS is, what it does, and what is available. Document and utilize the input received from these public encounters, use public access to evaluate current progress, future design and development. Find out what the public needs and desires.

Advertise and conduct an annual official GIS Day in the Board Room, with digital displays by projection and computer. To have all Departments represented. To demonstrate the ArcIMS interactive web mapping and initiate revisions based on participant input. Demonstrate with hands-on systems the working GIS.

Invite schools and local civic organizations such as Scouts to come and participate in hands on activities in map reading, compass, map production, orienteering, and research using GIS.

Allow local GIS users to come and set up booths to promote their business, organization, activities and GIS or geography endeavors.

Strategy

Work with local colleges in GIS course and program development.
Continue to work with Lord Fairfax Community College and Shenandoah University in the promotion and development of GIS curriculums and continue to support professors through presentations to classes on Frederick County's GIS program.