

Taking GIS to the Masses

How the City of Monroe Has Elevated Their GIS Program

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City of Monroe, Louisiana

NTB Associates, Inc.

A Brief GIS History

- Very Long History With GIS
 - Mid 2000's
 - Conducted GIS Needs Assessment for all departments
 - Designed and Implemented the Enterprise GIS database
 - Designed GIS database to work with GBA
 - NTB and Associates assisted with initial implementation and design
 - Late 2000's
 - Continued support for GIS department
 - Upgrades to software
 - Database analysis work
 - Expansion to include Parish entities
 - Conducted several projects

A Period Of

- * The Year 2011
 - * Lost GIS Administrator
 - * No support for GIS
 - * Responsibilities given to those with no knowledge of GIS
 - * IT Related Issues
 - * No support
 - * Aging Hardware
 - * Aging Esri software for internal websites
- * GIS Was a Dying System

Options To Continue

- * Allow the system to function as normal
- * Ouachita Parish E911 offered server space, but no support
- * NTB and Associates Hosted Solution

Why Did Monroe Host

Benefits for GIS/IT Staff

- Maintenance of Hardware and Software
- Database backed up daily
- Fail-safe solutions
- Increased performance
- Sustainable System – survives personnel changes

Benefits to GIS Data Users

- All City employees can have access to GIS data
- Access GIS data from anywhere
- Increased web capabilities
- Near Real time updates

Potential Benefits to Parish

- Improved data sharing
- Improved data accuracy and integrity

How did Monroe Migrate To The Cloud???

- * Workshops
 - * Early in process
 - * Understand GIS needs
- * Redesign of GIS database
 - * Changes in structure / data folders
- * Training
 - * Editor training for ArcGIS
- * Started internal GIS Users Group

While Monroe Was Working On That...

- * NTBA was working on.....
 - * Building the Monroe Cloud GIS Servers
 - * Installing License Manager
 - * Creating ArcSDE database and user logins
 - * Installing and configuring the ArcGIS Server for websites
 - * Creating the Remote Desktop Connections

Obstacles to the Plan....

- * Staff Changes
 - * New employees
- * Differences of opinions
- * Not understanding:
 - * Enterprise GIS systems
 - * Cloud Hosting

Going Live.....

- * Summer of 2013 – Go Live
 - * Users given their remote desktop connections
 - * Internal websites launched
 - * Additional training

So if You Are On The Cloud How Do You.....

- * Work.....
 - * Remote Desktop connections
 - * For editors and administrators
- * View Data.....
 - * Internal websites for each department
- * Integrate with Third Party Software.....
 - * Work in progress
- * Print.....
 - * Can print directly from the cloud

Lessons Learned....

- * The Cloud is Faster
- * Make the new stuff look like the old stuff
- * Do Lunch – have a users group
- * Executive Level Policy committee
- * Make it belong to everyone financially

Continued Support and Projects.

- * Data Sharing with Parish Entities
 - * Tax Assessor
 - * E911
- * Public Web Maps
- * Field Data Collection -- ArcGIS On-line??

Questions