GIS from Scratch in Iberia Parish Government

July 25, 2012
Where is it?
What’s Going On There?

- Oilfield
- Sugar Cane
- Tabasco
- Seafood
How Did the GIS Idea Start?

September 2007
- Meeting with city and parish stakeholders to discuss GIS needs assessment and planning

Early 2008
- City turns Enterprise GIS effort to Iberia Parish Government

Early 2009
- Needs Assessment Questionnaires sent

June 2009
- City of New Iberia and IPG officials visit Lincoln Parish GIS Department

February 2010
- GIS Manager hired at IPG
- 2008 aerial photography in place

April 2010
- Implementation Plan for Enterprise GIS completed
Entities Served by GIS

Parish Government

- Homeland Security
- Permits, Planning & Zoning
- Public Works
- Sewerage District
- Finance

Other IGA Participants

- Tax Assessor
- City of New Iberia
- Iberia Economic Development Authority
- Mosquito Control District
- Iberia Parish Communications District
- Iberia Parish Fire District #1
GIS Timeline 2010

Research
- Review Needs Assessment Report
- Research solutions for stakeholders
- Make contacts with other parish GIS managers
- Research GIS Server

Establish Governance
- Presentations to stakeholders
- Draft 3-year budget
- Draft IGA
- IGA finalized

Implementation
- Acquired GPS data collection devices
- Work on projects for multiple stakeholders
- Purchase GIS Server
- Implement aerial photography & zoning layer in ArcGIS Explorer
Resources 2010

- Grant for salary and benefits through middle of 2012
- Grant for equipment: $57,831.00
- Budget for some travel and training
  - Esri classes
  - State GIS workshop
  - Monthly state GIS committee meetings
- Cooperation by all department heads
- Consultation and advice from other parish GIS managers
- Information on the Internet
  - Implementation plans
  - Esri “System Design Strategies”
Decisions, Decisions...

- Server hardware
  - No in-house IT department to consult for advice
- How to make data available?
  - Remote locations, no WAN
  - Plan for parish-wide disaster aftermath, running on generator
- What’s the best way for various departments to make their own maps?
ArcGIS Explorer Desktop

- Variety of data types
- Local application, works without Internet or server
- Simple interface, easy to train users
- Buffer and drawing tools
- Departments can create quick and dirty maps for operational use
GIS Timeline 2011: Adding Assets

2011
- GIS server installed
- Data moved to server
- Map service creation begins
- Phase I of plan nearly complete

2011
- Image service created with 2010 aerial photography
- Over 20 users of ArcGIS Explorer viewer

2011
- Structure address & road centerline data collected by vendor
- Attended Esri UC
Miracles 2011

- Hired in-house IT network / desktop admin mid-2011
- Fast wide area network implemented as part of IP phone system install
- Map and image services now usable in remote offices
Next Steps – GIS Department

- Make map services available outside IPG domain
- Continue developing foundation layers
- Prepare to update Desktop and Server to 10.1
- Continue outreach to install and train users on ArcGIS Explorer
- Integrate GIS with departmental systems
- Begin developing web app portal for public
Conclusion

- Iberia Parish GIS is in Phase 2 of three-phase implementation plan
- All goals met so far
- Stakeholders continue to commit funds to continue work of GIS department

Contact:
- Amy Brassieur
- GIS Department, Iberia Parish Government
- abrassieur@iberiagov.net
- 337-369-4469