

2013 Esri International User Conference

July 8–12, 2013 | San Diego, California

Utilizing Efficient GIS Practices at The Small County Government Level

Keith Dailey; BSF, MSF

Cowley County, KS GIS Coordinator

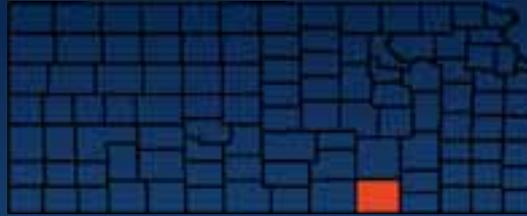


Outline for Today

- Introduction
 - Cowley County, MIS/GIS Department, Myself
- Responsibilities
 - Daily, Frequent, Long-term, supplementary
- Future of MIS/GIS Department
- Conclusion
 - Benefits of GIS in our situations
 - What I've Learned

Introduction

Cowley County, KS



- Population: 36,311 as of 2010
- Rubbermaid, GE
- Walnut Valley Festival & National Flat Picking Contest
- Gateway to the Flint Hills
- Stone-arch Bridges
- Dexter Candy Factory – Oh Henry
- Helium Identified in large quantities - 1903



Introduction

MIS/GIS Department



- 3-person integrated IT and GIS Department
- Serves all agencies of Cowley County and many affiliates.
 - 28 departments
 - ~900 end-users within these departments
 - Differing software needs
 - ArcReader, ArcMAP, GP Tools, WebMap, etc
- Expanding Needs from public
 - Webmap demand for Parcel data

Introduction

Myself

- Stephen F. Austin State University
 - BS in Forest Wildlife Management
 - MS in Forestry
 - Validation of Methodology for Quantifying Competition on Planted Oaks (*Quercus* spp.) on Sites Abundant with Chinese Tallow (*Triadica sebifera*) in Southeast Texas
 - Emphasis on GIS and GIS Programming to determine competition Radius Zones
- Been with Cowley County for 2 years

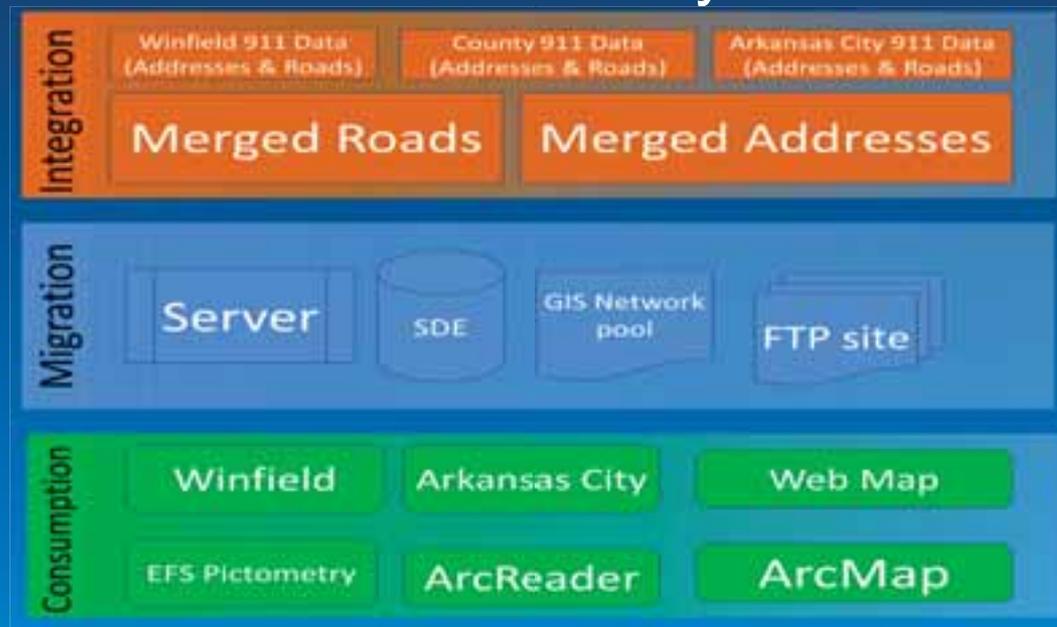


Responsibilities

Daily Job Activities

- Maintaining file structure and uniformity

- Network drives
- SDE
- GIS Server



- Facilitate proper parcel editing in Appraiser's Department
 - shapefiles

Responsibilities

Frequent

- Assigning 911 Addresses
 - Update MSAG database
 - Updating 911 CAD Software
 - Addresses and Street Centerlines
- Maintaining web maps
 - 10.0 Web ADF
- Provide Data
 - Other agencies
 - Public



Responsibilities

Long-term Projects

- County Mapbook Updates
 - Hardcopy for Emergency Responders
 - Dispatch Response Plan Page Notation
- Develop Flexviewer
 - Webpages
 - Emergency Management
- Voting Demographics
 - 2 & 4 yr cycles
 - Demographics for campaigning



Responsibilities

Supplementary Software

- Software

- Electronic Field Study (EFS) Pictometry
- Spillman 911 CAD
- AT&T MSAG Database
- GoogleEarth
- Receipt Tracker Access DB

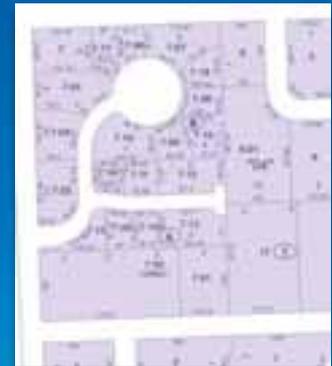


- Benefits

- Efficient and Timely Support

Future of MIS/GIS Department

- Move entire County to 10.1
- Cross-training between MIS and GIS
 - 24-hour support for emergency agencies
- Integrate Cartographer's role into the MIS/GIS Department
 - Parcel Fabric Editing
- Mobile mapping for field Appraisers
- All Layers NENA Certified



Conclusion

Benefits

- Branding and Brand Recognition
 - Community is starting to understand GIS
 - Servers & Webmapping
- Ultimately – EFFICIENCY!
 - Model Builder – Map Gallery (E-20-8)
 - Allowed for automation of daily tasks
 - Perform repetitive tasks
 - Topology
 - Allows for one person to mitigate changes across multiple layers

Conclusion

What I've Learned

- Do NOT be afraid to plan for change in technology.
 - Growth
 - Efficiency
 - Job-security
 - Change will ultimately lead to a better working environment and better job relevancy.
- The cost of *planning* is cheaper than the cost of *correcting*.

Conclusion

What I've Learned

- Model builder
 - automate frequent task-oriented processes.
- Webinars and Seminars
 - If you stop learning, you're soon not valuable
- Proper communication is key
 - Interdepartmental
 - municipality



Special Thanks & Consideration

- Lucas Goff, Cowley County, KS MIS/GIS
Department Head
- Kevin Lann-Teubner, Cowley County, KS
Computer Support Specialist

Sources

- Esri.com
- cowleycounty.org/GIS
- cowleyfirst.com
- sfasu.edu
- wvfest.com
- Googleearth.com
- [Spillman Technologies](#)
- [EFS Pictometry](#)

Questions?