GIS for Planning and Revenue Collection

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Agenda

- Introduction
- County goals
- County Challenges
- GIS as a solution for County challenges
- What Counties need from GIS
- ArcGIS for Local Government Solution
- Q & A
Counties have common goals

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Counties also face many challenges

• Information available in Multiple Places
• Difficulty Accessing and Sharing Information
• Disconnected departments
• Many different disconnected Systems
• Increased Labor Costs

• Resources
• Citizens satisfaction
• Revenue
GIS for County Government

• GIS has great potential to easily and accurately map and model urban/rural components and help in systematization and streamlining of policies and subsequent development.

• Lack of spatial database, not only effects balanced planning but also conceals the revenue resources and prevents County Government from accurately target planning and implementation.

• Development of land use database at the grass roots level is therefore, urgently needed.
GIS Implementation Survey

Interesting Findings:

- Most responses cited that GIS can be integrated for spatial planning (90%) and revenue collection (83%)
- Currently 64% of county officials are aware of integrated systems use in their counties
- Majority of the respondents cite Participatory Planning (90%) and Increased Revenue Collection (87%) as the key benefits sought from GIS integration
- 59% of the surveyed state there is no effort to combine their revenue collection system with GIS
An ArcGIS System for Local Government

- Embedded maps
- Mobile apps
- Web apps
- Open data

- Functional groups
- Editing maps
- Services
- Mobile apps
- Web apps
- Dashboards

- Central groups
- Common services
- Standard basemaps
- Information model
ArcGIS for Local Government

**Public Works**
- Campus Editing
- Campus Place Finder
- Citizen Problem Reporter
- SnowCOP
- My Government Services
- Railroad Crossing Inventory
- Street Tree Inventory
- Street Furniture Inventory
- Guardrail Inventory
- Pavement Marking Inventory
- Road Network Management
- Road Closures
- Plans and Drawings
- Maintenance Agreements
- Sidewalk Inventory
- Bridge Inventory
- Sign Inventory
- Signal Inventory
- Streetlight Inventory
- Public Parking
- Capital Project Planning

**Land Records**
- Tax Parcel Editing
- Deed Drafter
- Public Land Survey Editing
- Tax Parcel Map Book

**Land rates Viewer**
- Value Dashboard
- Tax Reverted Property
- Floodplain Inquiry
- Data Reviewer for Parcels

**Public Safety**
- Flood Planning
- Special Event Planning
- Fire Station Wall Map
- Fire Run Book
- Pre-Incident Planning
- AED Inventory
- Home Safety Inspection
- Target Hazard Analysis
- Fire Hydrant Inspection
- Cell Phone Analysis
- Incident Mapping
- Field Interview Card
- Public Information Map
- Impact Summary Map
- Damage Assessment
- My Hazard Information
- EM Maps
- CAMEO Tools
- Evacuation Zones
- Emergency Assistance
- Health and Safety Reports

**Water Utilities**
- Water Distribution Map
- Sewer Network Map
- Stormwater Network Map
- Water Asset Locator
- Hydrant Inspection
- Valve Exercise
- Inlet Inspection
- Field Notes
- Water Utility Mobile Map

**Planning**
- Site Selector
- Live, Work, Locate
- Park Locator
- Address Data Management
- Address Crowdsourcing
- Data Reviewer for Addresses
- Land Use Public Comment
- Land Use Public Notification
- Code Violation
- Events Calendar

**Local Government**
- Information Model
- Basemaps
- Data Reviewer for Basemaps
- Executive Dashboard
- Briefing Book
- Crowdsourcing
- Maps and Apps Gallery
- Community Parcels
- Community Addresses
- Model Organization
Lets look at a demonstration

Demo
Configuration Patterns

- Influential factors
  - COTS and configurable solutions strategy
  - Deployment time
  - Technical expertise
- Where do you start?
  - With your business requirements
  - Align them with maps and apps
  - Review system configuration patterns
- Three configuration patterns
  - Complete system adoption
  - Publish and adopt

...embrace an agile implementation approach