ArcGIS for Land Records: An Overview

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Agenda

• Introduction

• Solution Offering

• What’s Next

• Your Feedback
ArcGIS as a Platform
Simple, Open, and Configurable

Knowledge Workers
Executive Access
Public Engagement
Work Anywhere
Enterprise Integration

Making Mapping and GIS Available Across Your Organization

Transforming the Role of GIS
ArcGIS for Local Government
Esri’s solution for local government customers

- Series of useful maps and apps focused on government work
  - Organized into modules
  - Extensible, configurable
  - Freely available and fully supported
  - A foundation for Partner solutions

- Community of users
  - Best Practices / Implementation Support

- Network of Esri Services and Partner offerings
  - Help users implement, sustain and enhance

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Available on-premise or in the cloud
Our Mission
To help you....

• Deliver maps and applications quickly throughout your organization

• Stay current with future releases / avoid legacy technology

• Deploy a geospatial platform that can be leveraged by many

• Leverage the collective knowledge of the entire community

• And do this with....less staff, budget, and technical expertise
ArcGIS for Local Government
Land Records Maps and Apps
Today’s Land Records Business Requirements

Expectations and business requirements have changed

• Historically, GIS has been used to support mapping
  • Limited visualization and data sharing
• Today’s business environment has changed these requirements......
Transforming Land Records GIS
Providing capabilities for today’s business requirements

Find New Revenue
Unpermitted Construction
Missing Real Property
Missing Addresses

Reduce Appeals
Defensible Valuation Process
Dissemination of Authoritative Data
Public Access to Appraisal Information
Quality Control Process

Improve Public Relations
Accessible Authoritative Data
Executive Access to Business Data
Platform for Citizen Collaboration
Executive Awareness of Local Issues

Improve Government Operations
Emergency Management
Public Safety
Planning and Community Development
Code Enforcement and Permit Review

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ArcGIS for Land Records

**Constituent Engagement**
- Tax Parcel Viewer
- Public Notification

**Value Analysis**
- Value Analysis Dashboard
- Tax Reverted Property

**Maintain Assessment Roll**
- Tax Parcel Editing
- Deed Drafter
- Tax Map Book

**Geo-enable Assessment and Tax Office**
- Model ArcGIS Online Organization
- Community Parcels
- Standard integration patterns (CAMA, Tax Receivables, etc.)
Show Me!
Land Records Maps and Apps
Communities
Simple Information Products

Showing property ownership for permitting and regulatory needs....

Showing property value for emergency management and revenue needs....

Showing property use for land use and economic development needs....

Community Parcels
Containing authoritative data from local data providers
Community Parcels
How does it come to life?

Authoritative parcel data from data custodians

Leverages Esri’s parcel data management solution...

...and supports other data management workflows

Single Community Parcel layer

Seamless parcel information products

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Community Contributor Workflow

Ex. City to County, County to State

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**Step 1: Configure Tool**

- Single Input Parcel Layer
- Local FIPS code
- Fields to be mapped
- AGOL credentials
- Save settings (for future runs)

**Step 2: Run Tool**

- Run Manually - Ad-Hoc
- Schedule

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Community Aggregator Workflow

Ex. County/State performs aggregation

Step 1: Configure Field Mapper
- Single Input Parcel Layer
- Local FIPS code
- Fields to be mapped
- Save settings (for future runs)

Step 2: Configure Aggregator
- Multiple Input Parcel Layers
- Save Settings (for future runs)

Step 3: Run Tools
A System View
Deploying ArcGIS for Local Government

Citizens

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

Assessor’s Office
- Functional groups
- Editing maps
- Services
- Mobile apps
- Web apps
- Dashboards

Public Works
- Central groups
- Common services
- Standard basemaps
- Information model

Citizens

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
How do I get started?

Leverage solution offerings to maximize technical expertise and minimize deployment time

1. Select a configuration pattern
   a) Complete system adoption
   b) Publish and adopt
   c) Sample code and customize

2. Deploy quick wins
   a) Align with key business requirements
   b) Select one or more focused maps and apps
   c) Configure your mapping platform
   d) Deploy the focused maps and apps
   e) Iterate....
What’s Next
Continuously Evolving Solution Offering
The Community

It's not just about the technology

Destination where governments can collaborate

Place where developers can contribute too

Ongoing dialog to share success stories and learn from others
It’s a Process
Continuously Evolving Solution Offering

- New maps and apps
  - Floodplain Inquiry
  - Real Estate / Comparable Viewer
  - Appraisal & Taxation Maps
  - Survey Control

- Continued Community Engagement
  - Meetups, videos, more help, expanded partner & professional services offerings, etc.
Closing

- Deliver a “land records GIS” that enables success
  - Easier to deploy and sustain

- Evolve and grow the collection of apps

- Develop a community of users

- Provide a platform for partners to deploy their solutions
UC Events

• **ArcGIS for Local Government Sessions**
  • Seven different tech workshops

• **Land Records Sessions**
  • Parcel Editing Advanced (Wednesday, 10:15am-11:30am, Ballroom 6B)
  • Editing and Maintaining Parcels (Thursday, 10:15am-11:30am, Room 14B)
  • An Introduction to Deed Drafter (Thursday, 12:00pm-12:30pm, General Theater 3)
  • Configuring the Tax Parcel Viewer (Thursday, 9:30am-10:00am, ArcGIS Solutions Demo Theater)

• **Special Interest Group**
  • Wednesday Lunch

• **Solution Island**
  • Focused conversations / support
Thank you...

- http://solutions.arcgis.com
- http://meetup.com/ArcGIS-for-Local-Government/
- @ArcGISLocalGov
- http://esri.github.com

Please fill out the session survey:

Offering ID: 1217

Online - www.esri.com/ucsessionssurveys

Paper - Pick up and place in drop box