Esri Redistricting Offerings
An Introduction

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Overview – Esri Redistricting Online

- Product Overview

- Feature Demonstrations
  - Subscription Site
  - Managed / On Site

- Architecture Overview

- A Look Ahead

- Questions
Product Overview
Esri’s Redistricting Online Solution

- Supports collaboration between government and citizens
- No software for users to install
- No local data management
- Easy to use
- Advanced plan analytics
- Built-in reporting
- Markup and Comments
- Plan Submission
Value Add Beyond Today’s Offerings

- Preassembled Data
- System Requirement: Browser
- Reduced Learning Curve
- Centralized Data Management
- Portable
Redistricting Process and Collaboration

- Create
- Edit
- Publish
- Review
- Collaborate

ArcGIS.com
Application Features

- Plan Creation, Management, and Sharing
- Charting & Reporting
- Map Markup
- Plan Publishing
- Plan Comparison
- Import / Export
- Thematic Mapping
- Integrity & Compactness
- Printing
Supported Geography & Demographics

- **Geographies**
  - State
  - County
  - City (2010 Only)

- **Census Data**
  - 2010 PL 94-171
  - 2000 PL 94-171
Source Geography

- **Geography Hierarchies**
  - Block / Block Group / Tract / County
  - Block / VTD / County
  - Blocks
  - Custom *

- **Demographics**
  - PL 94-171
  - Custom *

* Hosted & On Site Deployments Only
Demo 1 - Creating a Plan from Import

1. Create a **New Plan**
2. **Import** a Block Equivalency File
3. Run **Integrity Tests**
4. **Edit** District Assignments to Fix **Contiguity**
Demo 2 – Adding Locations and Locking

1. Add **Locations** of where Incumbents Live
2. **Lock** Blocks that contain Incumbents
3. Show Locks’ effect on **District Assignment**
Demo 3 – Thematic Mapping

1. Show **District Boundaries** (Remove Fill)
2. Overlay a **Thematic Map**
3. **Edit** District Assignments to Fix **Deviation**
Demo 4 – Reporting & Calculated Fields

1. Create a Calculated Field
2. Select Population Summary Report
3. Select Fields to Display
Demo 5 – Publishing

1. **Publish** Plan to ArcGIS.com
2. Login to **ArcGIS.com**
3. **View** District Plan
4. Build and Save District Plan **Web Map**
5. **Share** to “Everyone”
Deployment Options

• **Online Subscription (SaaS)**
  - Per user pricing
  - Census PL 94-171 Demographics

• **Esri Managed (Hosted)**
  - Configured for organization
  - Custom demographics & reference layers
  - Hosting managed by Esri Managed Services

• **On Premise**
  - Installed behind organizations firewall
  - Custom demographics & reference layers
  - Hosting managed by organization
Hosted / On Premise Additional Features

• Custom Demographics
  - Example: ACS Data, Election results, etc.

• Reference Map Layers
  - Example: Precincts, Neighborhoods, Historical Plan, etc.

• Privilege based Citizen Engagement
  - Administration Console
  - Plan Submission with Integrity Checks
  - Configurable Plan Templates
  - “Learn” page
Managed / On Site Demo

Ray Hardy
Demo 6 – Citizen Account Creation

1. Create an Account
2. Show Citizen Experience
   - Branding
   - “Learn” tab
   - Reference Layers
   - Custom Demographics
   - “Submit” tab
Demo 7 – Sharing

1. Opening a Default Plan
   • Unassigned Plan
   • City Default Plan
2. Assign Geography
3. Create a Group
4. Invite User to a Group
5. Share Plan
Demo 8 – Collaboration (Markup & Comments)

1. Accept Invite
2. Open Shared Plan
3. Make Plan Edits
4. Make Plan Comment
5. Mark Up Plan (Polyline & Label)
6. Save Plan
Demo 9 – Plan Submission & Review

1. Open Plan as Reviewer
2. Do Geographical Plan Comparison
3. Run Plan Comparison Report
4. Show Plan Submission Dialog
System Roles

Redistricting Online Roles / Users

Administrator
- Manages Users
- Manages Roles
- Configures App

Plan Editors
- Defines Districts
- Generates Reports
- Publishes Plans

Plan Reviewers
- Reviews submitted Plans
- Accepts or Rejects Modifications

Plan Submitters (Citizen)
- Viewers State, County, and City Plans
- Suggests Modifications
1. **User** Management
2. **Role** Management
3. Application **Configuration**
4. **Privileges**
Current Customers

States
- Alabama
- Utah
- Hawaii
- Washington, D.C.

Cities
- Sacramento
- Fort Worth
- San Diego
- Salt Lake

Counties
- Los Angeles
Managed Services Deployment

- **Infrastructure**
  - HW, SW, Network, Security, & Facilities
- **Deployment**
  - Staging & Production
- **Data Management**
  - Data Updates & Backup
- **3 Tiers of Technical Support**
  - Helpdesk, Environment, & Application
- **Monitoring**
  - Database, Application, & Services
On Premise Deployment

- 1 week Remote Deployment Preparation Support

- 1 week Onsite Deployment Support
  - Data loading
  - Application deployment
  - Testing
  - Training and documentation

- 1 week Follow-on Remote Support
Architecture Overview
Architecture Overview

ArcGIS Server with Redistricting Services
- ArcGIS Server
- ArcGIS Workflow Manager Server
- Redistricting Services

Data Tier
- Census & Custom Data
- Plan Management Database

ArcGIS.com
- District Plan Dissemination & Feedback
- Base maps

Web Browser

Plan Modification and Analysis

Plan Publishing & Searching
Data Tier

- Census Data
- Redistricting Database
- Custom Data Package

Census Data File Geodatabase
- Tracts
- Blocks
- Block Groups
- VTDs
- Demographics

Redistricting Database (ArcSDE & PostgreSQL)
- District Plans
- Users / Groups
- Plan Access Control Lists

Custom Data Package
- Historical Election Data
- School Precincts
- House & Senate Districts
- etc.
Look Ahead
Look Ahead

• Redistricting Portal

• District Plan Viewer

• District Plan Publishing

• Election Management
Look Ahead

Will Isley
Demo 11 – Redistricting Portal & Plan Viewer

1. Look at **Gallery**
2. **Search** it in the Portal
3. **View Plan in the Viewer**
   - Charting
   - Demographics
   - Integrity Tests
   - Report
   - Markup Map
More Information

• Resource Center:
  - http://resources.arcgis.com/content/redistricting/about

• Free 30 day trial:
  - http://www.esri.com/apps/Products/Redistricting/freeTrial2011

• Support
  - Redistricting Online redistricting@esri.com

• Sales: 1-800-447-9778

... or stop by the Managed Services booth
Questions