Building Blocks for Public Safety GIS

- IAFC Grants
- NAPSG Formed
- Fire Data Model
- NFPA 950
- IAFC Tech Council
- NAPSG Foundation – FUGS & PUGS
- Templates Resources

2009: NAPSG Foundation Established
Fire Service GIS: Sharing Tradecraft Expertise

Planning and Risk Reduction

Orange County, CA

Tualatin Valley, OR

Integrated Workflows and

US Active Wildfires

San Diego, CA

Sequoia King NP

Data Driven Decisions

Santa Clara, CA

Wilson, NC

Preparedness and Citizen Engagement

Kirkland, WA

Charlotte, NC

Readiness and Response
GIS Supports the Fire Service Mission

Plan
- Station Wall Maps
- Inspections
- Vulnerability Assessment
- Inventory & Asset Management
- Program Planning

Prepare
- Pre-planning
- Response Times
- Deployment
- Targeted mitigation
- Training & Exercises
- Budget & Policy
- Exec Dashboard

Respond
- Dispatch & Routing
- Run Books
- Field Intelligence
- Incident Command
- Asset Tracking
- Public Warning & Notification
- Multidisciplinary Coordination

Recover
- Damage Assessment
- Infrastructure Stabilization
- Public Information
- Resource Logistics
- Situational Awareness

Integrated Workflows Supported by Enterprise Data Environment

infrastructure, environment, population, hazards, risk, incidents, damage
Fire GIS Map Templates

Pre-Plans

Run Books

Wall Maps

Available now at: http://esriurl.com/PublicSafetyGallery

Community Risk

Mark-Up Maps

Public Information

Coming This Fall/Winter
Fire Service Maps and Apps
ArcGIS for Local Government
A solution for Esri’s local government customers

- A series of useful maps and apps focused on local government work
  - Organized into modules
  - Extensible, configurable
  - A foundation for Partner solutions
- An online community
  - Best Practices / Implementation Support
- A network of Esri Services and Partner offerings
  - Help users implement, sustain and enhance

...Available on-premise or in the cloud
Our Mission

Help increase the value of GIS in local government organizations

• Make it easier to deploy ArcGIS
  - Deliver applications quickly throughout your organization
  - Stay current with future releases / avoid legacy technology
  - Create a platform of geospatial data that can be leveraged by many

• Address common constraints in local government
  - Size and skills of staff
  - Budget and time available to implement

• Empower the community to contribute
  - Users
  - Partners
ArcGIS for Local Government

Changing the way GIS is deployed

...reducing time, risk and cost so GIS is easier to deploy and maintain
Demos

- Land records
- Planning development
- Transportation
- Public works
- Public health
- Elections
- Voting
- Public safety
- Recreation
- Conservation
ArcGIS for Local Government Solution

Access from Maps and Apps website

- Mobile Apps
- Web Apps
- Printed Maps

- Editing Maps
- Map Services
- Mobile Apps
- Web Apps

- Centralized Information Model
- Standard basemaps
- Common Feature / Map Services

Access from ArcGIS.com
Configuration Patterns

• Influential factors
  - COTS and configurable solutions strategy
  - Deployment time
  - Technical expertise

• Three configuration patterns
  - Complete system adoption
  - Publish and adopt
  - Sample code and customize

• Where do you start?
  - With your business requirements (NOT the GDB!)
  - Align them with maps and apps
  - Review system configuration patterns
What’s Next
Solution Offering

• Quarterly Releases
  - Improved help documentation, videos, etc.

• Model Online Implementation
  - Roles, Groups, Information Products, Configurable Apps, etc.

• Complimentary Partner offerings
What’s Next
Additional Maps and Apps

- **Public Safety (Fire)**
  - Fire Incident Command
  - Hazard Assessment
  - Public Information Center
- **Public Safety (Law)**
  - Cell Phone Analysis/Investigation
- **Planning and Economic Development**
  - Site Selection/Economic Gardening
  - Well and Septic Permitting
- **Land Records**
  - Field Assessment
  - Operations Dashboard
- **Public Works and Water Utilities**
  - Capital Project Coordination
  - Stormwater Assessment
  - One Call
  - Capital Planning (Roads)
  - Sign Inspection
- **Addresses**
  - Locators
  - Admin Boundaries
- **Management**
  - Executive Dashboard
Summary

• Our Goals
  - Deliver a “local government GIS” that enables your success
  - Evolve and grow the collection of apps
  - Provide a platform for partners to deploy their solutions

• We want your participation and involvement
  - Download the maps and apps
  - Provide feedback on existing content
  - Identify opportunities for new content
Questions

Please fill out your surveys
www.esri.com/ucsessionsurveys
Offering ID:766

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