Advancements in Community and Economic Development

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Agenda

• Why GIS as a System of Systems Matters
• GIS as a System of Record, Insight, and Engagement in Community Development
• The Road Ahead
Common Patterns of Use of GIS

**Mapping & Visualization**
Understand locations and relationships with maps and visual representations

**Data Management**
Collect, organize, and maintain accurate locations and details about assets and resources

**Field Mobility**
Manage and enable a mobile workforce to collect and access information in the field

**Monitoring**
Track, manage, and monitor assets and resources in real-time

**Analytics**
Discover, quantify, and predict trends and patterns to improve outcomes

**Design & Planning**
Evaluate alternative solutions and create optimal designs

**Decision Support**
Gain situational awareness, and enable information-driven decision making

**Constituent Engagement**
Communicate and collaborate with citizens and external communities of interest

**Sharing & Collaboration**
Empower everyone to easily discover, use, make, and share geographic information
GIS as a System of Record
GIS as a System of Insight
GIS as a System of Engagement
GIS is a System of Systems
GIS is a System of Systems

- sensor networks
- Images
- video
- business systems
- web services
- big data collections
- analytics
- spatial data
- social media
- spreadsheets
- video
- sensor networks
- data collections
- social media
- spreadsheets
System of Record for Community and Economic Development

- My Neighborhood Services
- Land Use Inquiry
- Public Notification
- Park Locator
- Incentive Zones
- Live, Work, Locate
- Floodplain Inquiry
- Code Violation
System of Insight for Community and Economic Development
ArcGIS Supports a Modern Planning Department

- Develop Partnership with the Community
- Prioritize Resilience Planning
- Support Economic Growth
- Track and Evaluate Current Planning Projects
- Support Long-Range Planning Initiatives
A Modern Community Development Solution
Delivering a complete GIS for Planning and Community Development

Track and Evaluate Current Planning Projects

• Review, Visualize and Analyze Proposed Development
• Streamline Permitting and Review Workflows
• Support Digital Plan Submission
• Conduct Code Enforcement & Site Inspections
• Perform Land Use Inquiry and Assessment
• Measure Green Infrastructure Impact
• Report on Building Activity and Code Violations
Support Long-Range Planning Initiatives

- Establish Data and Plan Foundations
- Develop and Model Land Use Scenarios
- Generate Environmental Impact Analysis
- Evaluate 3D Buildout Analysis
- Modernize Zoning Ordinances
- Asset, Resource, and Quality of Life Assessment
Develop Partnership with the Community

- Inform Public About Priority Initiatives for Comprehensive Planning, Development Reviews, and Special Projects
- Launch Open Data Portal & Encourage Public Input
- Establish Public Notification and Monitor Opinions
- Conduct Project-Focused Public Surveys
- Support Charrette Activities
A Modern Community Development Solution
Delivering a complete GIS for Planning and Community Development

Prioritize Resilience Planning

• Assess Conservation and Preservation Activities
• Manage Acute Shocks & Mitigate Chronic Stresses
• Support Economic Sustainability Planning
• Promote Social Equity & Healthy Communities
• Analyze Green Infrastructure Impact
• Blight Remediation & Neighborhood Stabilization
• Establish Measurable Indicators
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Support Economic Growth

• Stimulate BRE Efforts
• Attract New Investments
• Promote Destination Branding
• Manage Community Events
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