Agenda

• Introduction to ArcGIS for Electric Utilities
• Demonstration
• Deployment Approach
• Configuration Examples
• Questions
ArcGIS
Discover, Use, Make and Share Maps from Any Device, Anywhere, Anytime

Simple
Open
Configurable

Desktop     Web     Device

Portal

Server     Online Content and Services

Web GIS
Solve Major Challenges

**Employee Safety**
- Hazard Reporting
- Hazard Notification
- Emergency Response

**Compliance**
- Pole Reporting
- Damage Inspections
- Map Updates

**Revenue**
- Service Availability
- Social Media Monitoring
- Support Services

**Customer Satisfaction**
- Outage Map
- Report Streetlight Issue
- System Improvement Map
ArcGIS for Electric Utilities

Configures the ArcGIS Platform for an electric distribution utility

Implementation / Partner Solutions

ArcGIS for Electric

Platform
ArcGIS for Electric Utilities

Attributes of the solution

• Fully supported by Esri
• Continues to be developed
• Open sourced on Github
• Free download
ArcGIS for Electric

Platform Ready

Maintain Utility Assets
- Map Change Request
- Capture Field Notes
- Maps for ArcFM

On/Portal Asset Locator

Online/Portal Online Content

Customer Connections
- Report Streetlight Issue
- Public Outage Map
- Improvement Schedule Map

Compliance
- Pole Reporting

Storm Response
- Damage Assessment
- Damage Assessment Monitoring
- Storm Vulnerability Assessment
- Storm Support Maps
- Hazard Reporting
- Hazard Notification
- Public Outage Map
- Social Media Sentiment

Crew Safety
- Hazard Reporting
- Hazard Notification
ArcGIS for Electric Utilities Mapping Portal Configuration
A foundation

- Model Structure
  - Instructions
  - Group Structure
  - User Roles
  - Sharing Permissions
  - Icons
  - Banner Graphic Generator
  - Content*
- Locators
- Facility Maps
Storm Response

Offering

Prepare
- Vulnerability Assessment
- Social Media Sentiment
- Public Outage Map

Respond
- Damage Operations Dashboard
- Damage Assessment Collector

Recover
- Event Support

Mitigate
- Hazard Reporting
- Hazard Notification

ESRI UC 2014 | Technical Workshop | ArcGIS for Electric Utilities: An Overview
Demonstration
Implementing ArcGIS for Electric Utilities
Implementing ArcGIS for Electric Utilities

Four steps

1. Deploy the ArcGIS Platform
2. Configure Your Mapping Portal
3. Configure Initial Apps
4. Iterate
1 - Deploy the ArcGIS Platform
If You License ArcGIS Desktop You Have the Platform

…Can be scaled to meet your deployment and user needs
2 - Configure Mapping Portal
Use the ArcGIS for Electric Utilities Model Organization

- Organize
- Register
- Brand
3 - Configure Initial Apps
Configure Your Initial Set of Apps

- Don’t need to publish the entire electric distribution network
- Don’t allow focus and energy to fall on your geodatabase schema
- Focus on quick wins that
  - Solve organizational business problems
  - Empower large parts of the organization
- Choose up to 3 apps

...Answer the question “What are our biggest problems?”
Example Business Needs

- Need track hazards in the field
- Communicate the information to crews working near a hazard
- Store specific types of hazards
Example Initial Deployment

• Hazard Reporting
4 - Iterate
Iterate to Deploy Additional Apps & Capabilities

- Initial Implementation
- Iteration 1 Hazard Reporting
- Iteration 2 Add Feeder map
- Iteration 3 Crew Locations
- Iteration 4 Crew Notifications
- Iteration 4 TBD
- Iteration 5 TBD
ArcFM Feeder Map
Summary

• ArcGIS for Electric Utilities is a free configuration of the ArcGIS Platform
• ArcGIS for Electric Utilities solves common electric utility business problems
• ArcGIS for Electric Utilities can be implemented with a simple approach:
  1. Deploy the ArcGIS Platform
  2. Configure Your Mapping Portal
  3. Configure Initial Apps
  4. Iterate
The Community

It’s not just about the technology

Destination where utilities can collaborate

Place where developers can contribute too

Electric and Gas GIS Conference
Thank You

- Please fill out the session survey:

  **Offering ID: 1183**

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  Paper – pick up and put in drop box