Simple Yet Powerful – Designing an Enterprise GIS for the Field and Office

Esri UC 2017
Background

Dominion Energy

Transmission Division

Dominion Stats.... <Manisha to provide>
Background

**Business and Technology Drivers**

Dominion Energy
GIS Assessment
Aging Google Earth Application
Need for Mobile Application
Best Practices
Goals and Outcomes

Simple Yet Powerful....

GIS Platform
Easy to Use
High Performance
Flexible
High Availability / Disaster Recovery
Business Requirements

300+ Distinct Users

Features:
- Intranet Links
- Asset Details
- Search System Assets
- Nameplate Data
- Measuring
- Redline / Annotation
- Geo-fencing
- Turn by Turn Directions
- Map Access Roads
- GPS Location
  Broadcasting

Layers:
- Work Orders
- Notifications
- Capture Access Roads
- Access Roads
- ROW Information
- Communications
- Planner Regions

Data:
- Substation Details
Project Challenges

Technical and Staffing

Imagery
Dominion ET New to Esri GIS
Changing Technology Landscape
Security Changes
Device Changes
Project Components

GIS Foundation
Imagery Processing
GeoEvents

Desktop App
Mobile App
GIS Foundation

Goals

High Performance
Flexible, Extensible
Easy to Maintain
Desktop Application

High Performance, Configurable

User Based Enterprise Redlining
Group Bookmarks
Highly Configurable
“Desktop” User Experience
Advanced TOC

<Screenshot from Manisha>
Mobile Application

Advanced Features, Simple Design

UI Consistency
Configurable
Redlining
Notifications
Access Road Bread Crumbs
Image Capture
Advanced Geocaching
Imagery
Streamlined Processing

Incorporation of State Data
Legacy Imagery Processing
New Imagery and Standards
Processing for Offline Use

Screenshot from Manisha
GeoEvents

GeoEvent Extension

Backend Processing
Hazards
Notifications

<Screenshot from Manisha>
Questions?