Web Solutions for Transmission Routing and Construction

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Alabama Power Company
Service Territory = 44,500 sq. miles

Total Capacity = 12,222 megawatts

Total Customers = 1.4 million

Miles of line
  Transmission = 10,503 miles
  Distribution = 72,479 miles
Why use Web Solutions

- Shallow learning curve
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• Shallow learning curve
• Easier to implement and support
  – More Users
  – IOS & Android Capable
  – Central control for security and support
Why use Web Solutions

• Shallow learning curve
• Easier to implement and Support
• Reduced cost of maintaining application
  – Fewer Field Calls
  – Standard Data Models
  – Rapid response to changes
Enriching Information for Routing

• Utilizing available basedata
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- Utilizing available basedata
- Providing Context Rich analytics
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- Distributing Information to Project Team
Enriching Information for Routing

- Utilizing available basedata
- Providing Context Rich analytics
- Distributing Information to Project Team
- Maintaining Secure Environment
Creating Project Status Trackers

• Providing the right tools for the right users
Creating Project Status Trackers

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• Able to Re-utilize methods and tools
Creating Project Status Trackers

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- Able to Re-utilize methods and tools
- Integrating multi-collectors into one viewer
Development of Connected Models

- Migration of Load flow from schema to geography
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- Interface for real world display of system status
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- Planning, Fault Current and Fault Tracking Functionality
Findings

• Web solutions are improved environments for end users
• Tools and components can be cross utilized for a range of solutions
• Server support is less costly than desktop support in most cases
Questions?