Welcome to Jamaica!

- Island–wide delivery of electricity including:
  - 11,000 kilometers of conductor
  - 606,654 customers served by 1,704 employees
  - 50 substations and 110 feeders
Table of Contents

An Experienced GIS
OMS and the Need for Quality
A New Workflow
Path Forward
An experienced GIS org….

• Started with ESRI in 1990s
• Converted Distribution Network to GIS from Paper Maps
• Lots of mapping projects, Poles, Fuses, Switches, Transformers and Service Locations
• Used the GIS to figure out Non-Technical Losses
• Use GIS to address many other issues like Reliability, Vegetation and System Planning
Table of Contents

An Experienced GIS

OMS and the Need for Quality

A New Workflow

Path Forward
OMS and the Need for Quality

- ABB Ventyx implemented in 2013 to satisfy regulatory requirements
- Statistics still not repeatably improving and thus unsatisfactory to regulator
- Making the case for enterprise GIS is hard!
- Performance issues
- Problem-solving staff (e.g. QGIS)
OMS and the Need for Quality

- Huge problem keeping our OMS system update
- GIS has a large backlog of edits to be completed
- Coordination with OMS and GIS Team proved….complicated
Other Enterprise Systems are the way

• JPS plans on implementing a DMS early 2017
  • Heavy GIS integration
  • Current challenges of data integrity and consistency
• New System Planning Software – DlgSILENT
• Enterprise Asset Management
  • In Transmission early 2017
  • In Distribution late 2017
Table of Contents

An Experienced GIS
OMS and the Need for Quality
A New Workflow
Path Forward
A New Workflow for the future
A New Workflow for the future

ArcFM Mobile – Designer Express - ArcFM

- Engage design and construction field folk
- Smooth and easy to create quality GIS data
- Repeatable results for OMS
- Improving outage statistics
- Satisfy regulator
A New Workflow for the future

ArcFM Mobile – Designer Express - ArcFM

• Lightweight project for motivated, problem-solving staff
• Heavy on training
• Include entire workflow from field to back office
• Flexible on project approach
• Re-adjusted priorities midway to focus on fundamentals i.e. ArcFM and Feeder Manager
• Ultimate work flow
  • Redlines from ArcFM Mobile on Ipad
  • Designer Express for quick estimate and assembly picks
  • ArcFM to… seal in quality
A New Workflow for the future

Proposed Design Workflow – Customer Requested Work

- **GIS Supervisor**: Review and approve design
- **Construction Coordinator**: Post changes to SDC Center
- **Construction Crew**: Field construction drawings, build changes, and feeds to CCM and notify design/DDS team
- **Engineering Supervisor**: Perform construction
- **Distribution Engineer**: Use ArcFM to load existing drawing to CCM, load CCM of mobile罕见 computer
- **Customer Requested Work**: Use Designer Express to create accurate drawings using ArcGIS information provided in the drawing viewed as a baseline
- **Customer Requested Work**: Use Designer Express to load existing drawing using paper reference or reference
- **Customer Requested Work**: Use ArcFM to load existing drawing to target feature layers
- **Customer Requested Work**: Use ArcFM to load user-defined data layers (required data layers)
- **Customer Requested Work**: Submit for approval
- **Customer Requested Work**: Reopen design if incomplete
Table of Contents

An Experienced GIS

OMS and the Need for Quality

A New Workflow

Path Forward
Path Forward

• A business partner that has understands our business and mission

• Lock in improvements with ArcFM and get that OMS extract smooth and reliable

• Modernization directives for IT everywhere…and all dependent on quality geographic data
  
  • DMS
  
  • EAM
Questions?

Dave Williams
dawilliams@jpsco.com

Betsy Rush
Betsy.rush@Schneider-electric.com
Thank you
Visit the Marketplace

• Experience the breadth of our solutions
• Talk to an expert
• See a demo
Surveys – Overall Conference

- Click the surveys link on the app nav bar
- Take Overall Link and Marketplace surveys
Surveys – Session Feedback

**STEP 1**
Go to agenda
Add session

**STEP 2**
Click session
Check in

**STEP 3**
After session
Go to app
Take survey