Smart Meter Workshop

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September 2012
Profile

- 34 municipal electric utilities
- 1.3 million customer meters
- 14% of Florida’s population

**Large Utilities**
- JEA (Jacksonville): 404,000 customers
- Lakeland: 120,000 customers

**Small Utilities**
- Bushnell: 1,150 customers

**Combined, 3rd largest utility**
behind FPL and Progress Energy

**Not-for-profit**
Overview of Municipal Activity

- All migrating to solid state metering
- **Quincy**
  - 4,800 meters
  - Completed full AMI
  - Examining alternative rate structures
- **Close to completing full AMI project**
  - Leesburg (22,000 meters)
  - Lakeland (120,000 meters)
Overview of Municipal Activity

- Tallahassee
  - 114,000 electric meters
  - Completed full AMI – water, gas, electric
  - Offering alternative rate structures

- Ocala
  - 50,400 meters
  - Completed full AMI – water & electric
  - Developing alternative rate structures
City of Ocala

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Advanced Metering Timeline

- 2005 – The City Chose Mesh Technology
- 2006 – Pilot Project 400 Electric & 100 Water
- 2007 – Selected Elster’s EnergyAxis AMI Solution
- 2008 – City Council Signed Contracts Implementation Begins!
- 2009 – 54,000 Electric Meters
  21,000 Water Meters
- 2010 – Project Wrap-Up and Completion!
Customer Concerns

- **During Implementation** – 0

- **Post Implementation** – 4
  - Government Intrusion
  - RF Health Anxieties
  - System Security

- **Typical Customer Interaction**
  - Listen
  - Relate
  - Explain
Privacy Issues

- All municipal electric utility customers’ data is public
  - But limited to monthly consumption and payment information
- Significantly more data generated with AMI – at 15 minute intervals, 24/7
- Concern that data could be used to determine customer usage patterns, including if home is occupied
- Considering seeking delay in releasing interval data by 3 months, while maintaining current monthly data availability.
  - Requires legislative action.
Next Level ‘Smart’ Benefits

♦ 2011 – Prepay Municipal Services
  • 3,000 Customers Sign-up in the First 12 Months
  • Win! – Win! – Win!

♦ 2012 – Meter Data Management System
  Customer Web Portal

♦ 2013 – Residential Time of Use Rates

♦ Future
  – Distribution Automation
Thank you