

# ***Smart Meter Workshop***

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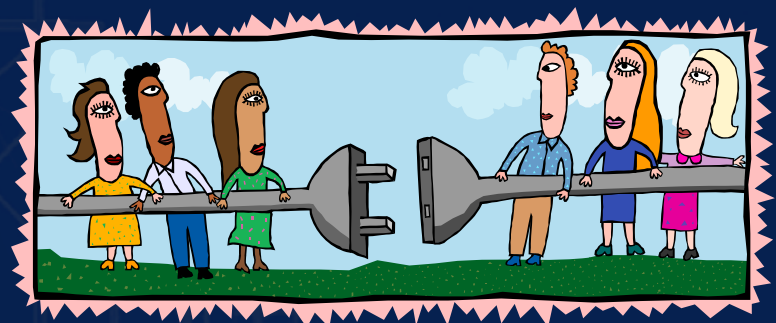
**September 2012**



**[www.publicpower.com](http://www.publicpower.com)**

# 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, 3<sup>rd</sup> largest utility behind FPL and Progress Energy
- ◆ Not-for-profit



# Florida's Public Power Utilities



# 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**



**FMEA**  
FLORIDA MUNICIPAL ELECTRIC ASSOCIATION

**Thank you**

