AMI Lessons Learned

Landis+Gyr manage energy better

Background

Strategic Plan – "Assist members in areas of technology, safety and distribution system design, and maintenance."

- KPP held an AMI event where we brought 3 vendors to the table to discuss AMI
- KPP members had a choice of what vendor they wanted to use
- Vision was selected by 6 members
- L&G by one member
- Jury still out for 1 member





Vendor Selection



Benefits of AMI

- Correct Meter Reads No Re-reads
- On Demand Trouble Shooting
- Disconnect Without Truck Roll
- Easy to Manage and Install
- Keeps Meter Readers Out of Harm- Bad Dogs, Slips, Trips, and Falls
- Set-Up Meter Alarms- i.e. Notification When Meter is Seeing Excessive Temperature
- Work With Existing ERT's in the Field if They are Compatible
- Load Forecasting
- Do Not Need to Open Meter Pits in Winter

Lessons CIS

- Work with customer information software early
 - These vendors are not always happy to integrate another software into there software
- Cost range from vendor to vendor
- Mass meter changeout can add cost, but well worth it



Lessons

- Gateway physical locations can be challenging
 - Climbing a water tower
 - Internet availability
- Try location first before installing expensive internet infrastructure
- Other 900MHz systems can cause packet shortages

Lessons

- Hardware is easy to install
- Software is easy to use
- Proficient in excel





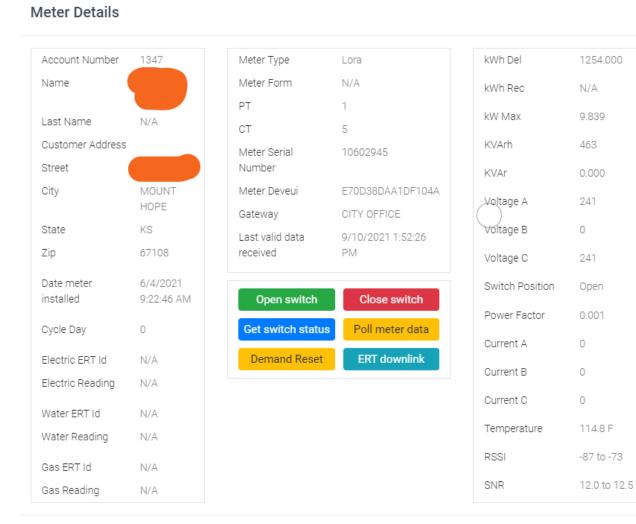


Lessons

- Meters need to be loaded in the database by vision
- Some meters failed
- POE box calls for 240V wiring. 120V works best
- AIR 802 cards failure (power over ethernet)
 - Result is producing own POE card
- Internet Security
 - Add Firewall
- Supply Chain is huge hold up

Meter Communication Issue

- Had issue getting meters to communicate with gateways
- Tried different antenna arraignments
- Turned out to be an error on Vision changing servers
- Had to unplug meters for a long period of time
- Plug back in and they work
- RSSI >-119 SNR >-5



Events

9/8/2

1060

8/19/

1060

Clear

8/19/

1060

Sag

8/19/

1060

Clear

8/19/

1060

Sag

Show

Pre

Water Module Lessons

- Water Modules are New
- Make sure the Water Module is communicating before installing in the ground
- A swipe of a magnet initiates communication
- Other brand meters charge a fee to read their meter with other AMI systems

