

U.S. Department of Energy Office of Electricity Delivery and Energy Reliability

City of Fulton

Fulton, Missouri

Improving Utility Service Through AMI Technology

Advanced Metering Infrastructure

Coverage Area

Area 11.4 Sq Miles

CITY OF FULTON DEMOGRAPHICS



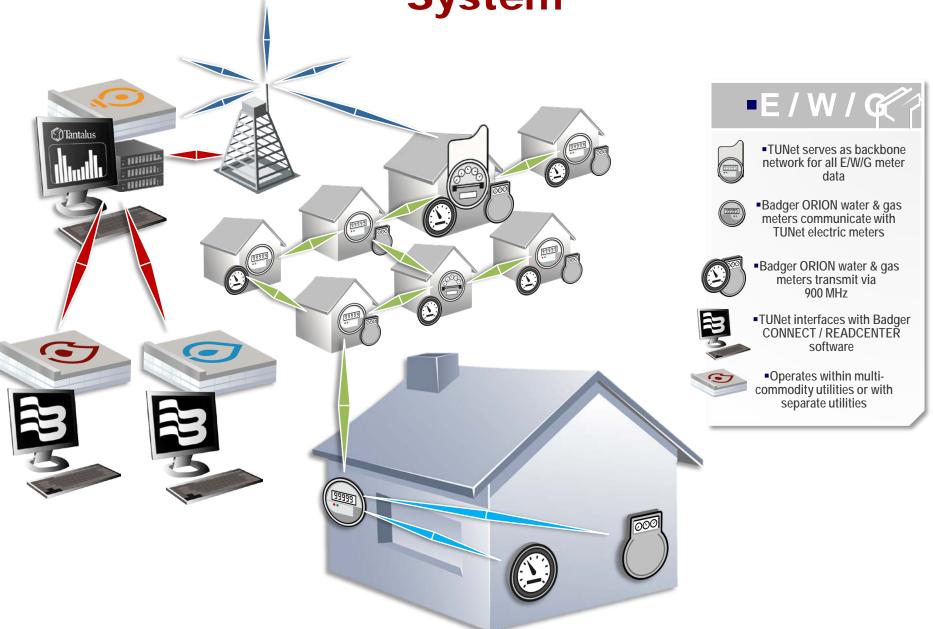




Project Basics:

- 5,700 AMI Electric Meters (Residential meters equipped with Remote Disconnects)
- 4000 AMR Natural Gas Meters
- 4500 AMR Water Meters
- 100 Programmable Thermostats

AMI & AMR Radio Communication System



What are we doing with the Data:

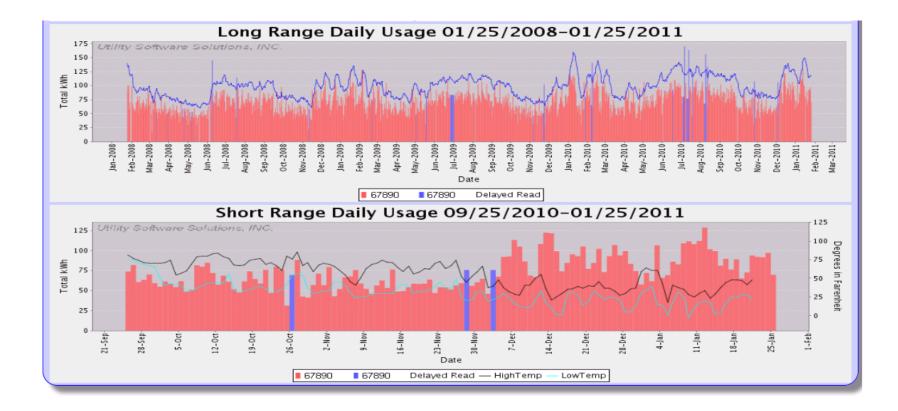
- Validating and Storing
- Customer Web portal
- Time of Use Pricing Program
- Load Management via Programmable Thermostats
- Voltage Monitoring
- Outage Management

How are we doing it?

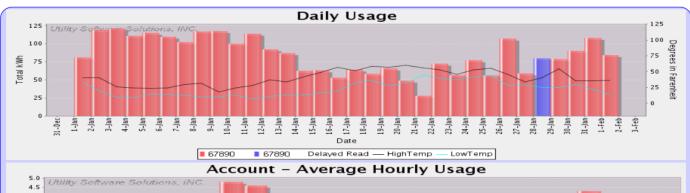
Vendors/Partners:

- Springbrook (billing)
- Survalent (SCADA)
- Tantalus (Communication)
- GE & Itron (Meters)
- USSI (MDM)
- Mpower (Outage Mapping and GIS)
- NDimension (Cyber Security)

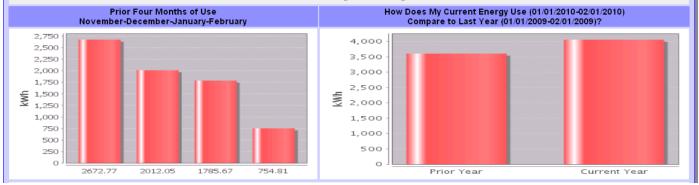
USSI Meter Data Management



USSI Continued







mPower OMS/GIS



Current State:

- City Staff has deployed 95% of Electric Meters in the field.
- 100 gas and water still in test phase.
- Electric System has been accurately mapped.
- System integration is in the works.
- 5 customers (0.1 % of the Customer base) have expressed concern over health affects of the meters.

What we would Change the Most?

- Wasted Time Writing RFP
- Demand for more onsite presence by vendors

Questions?