

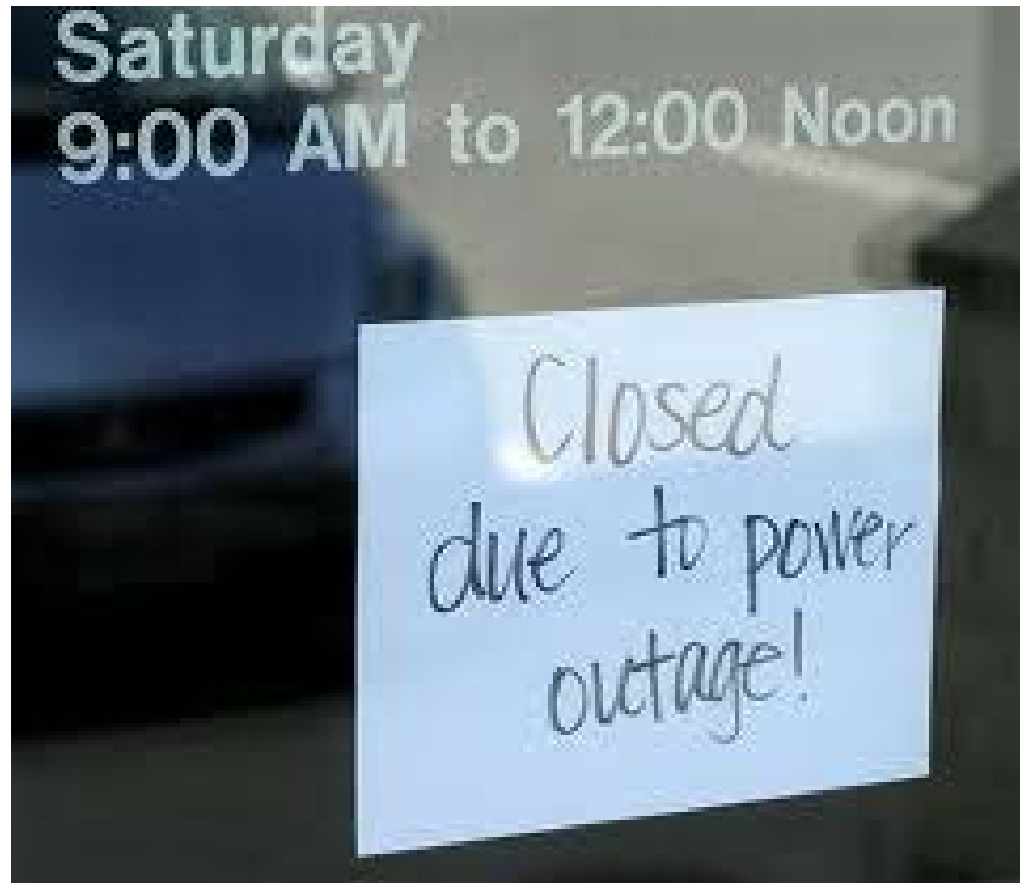
# About Chattanooga



# About EPB

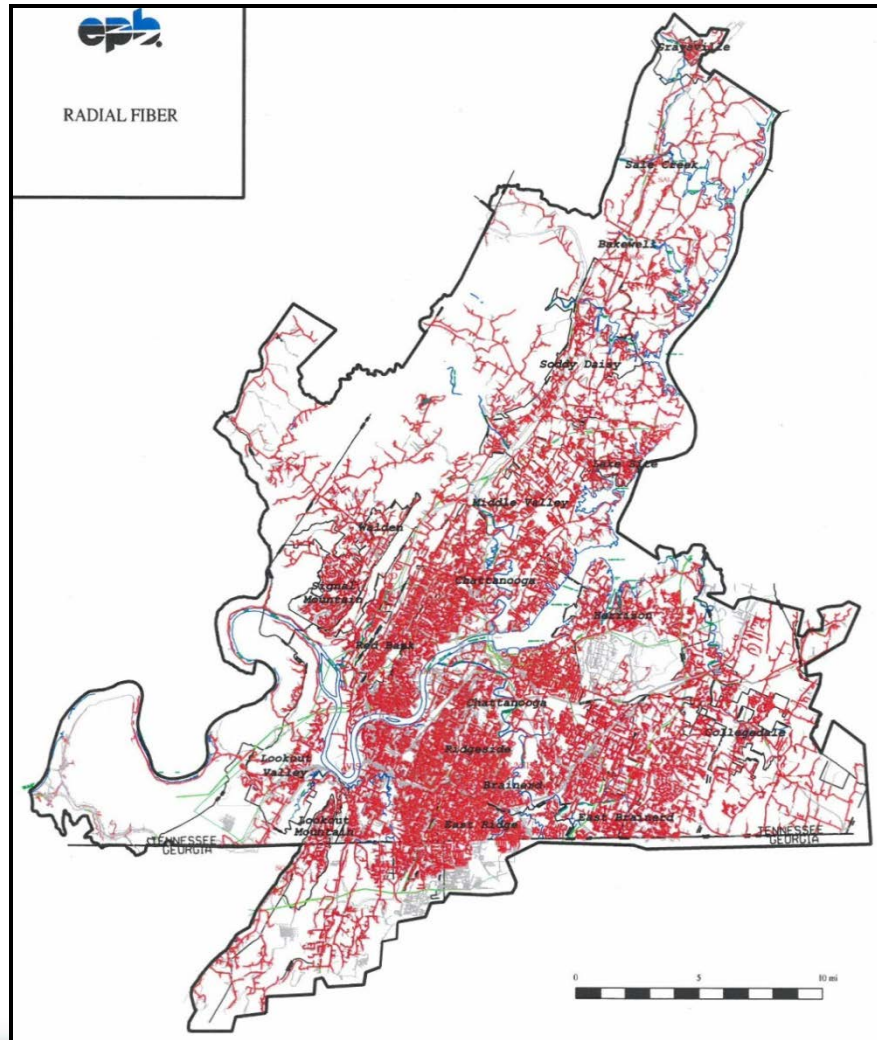


# \$100 Million Cost to Chattanooga





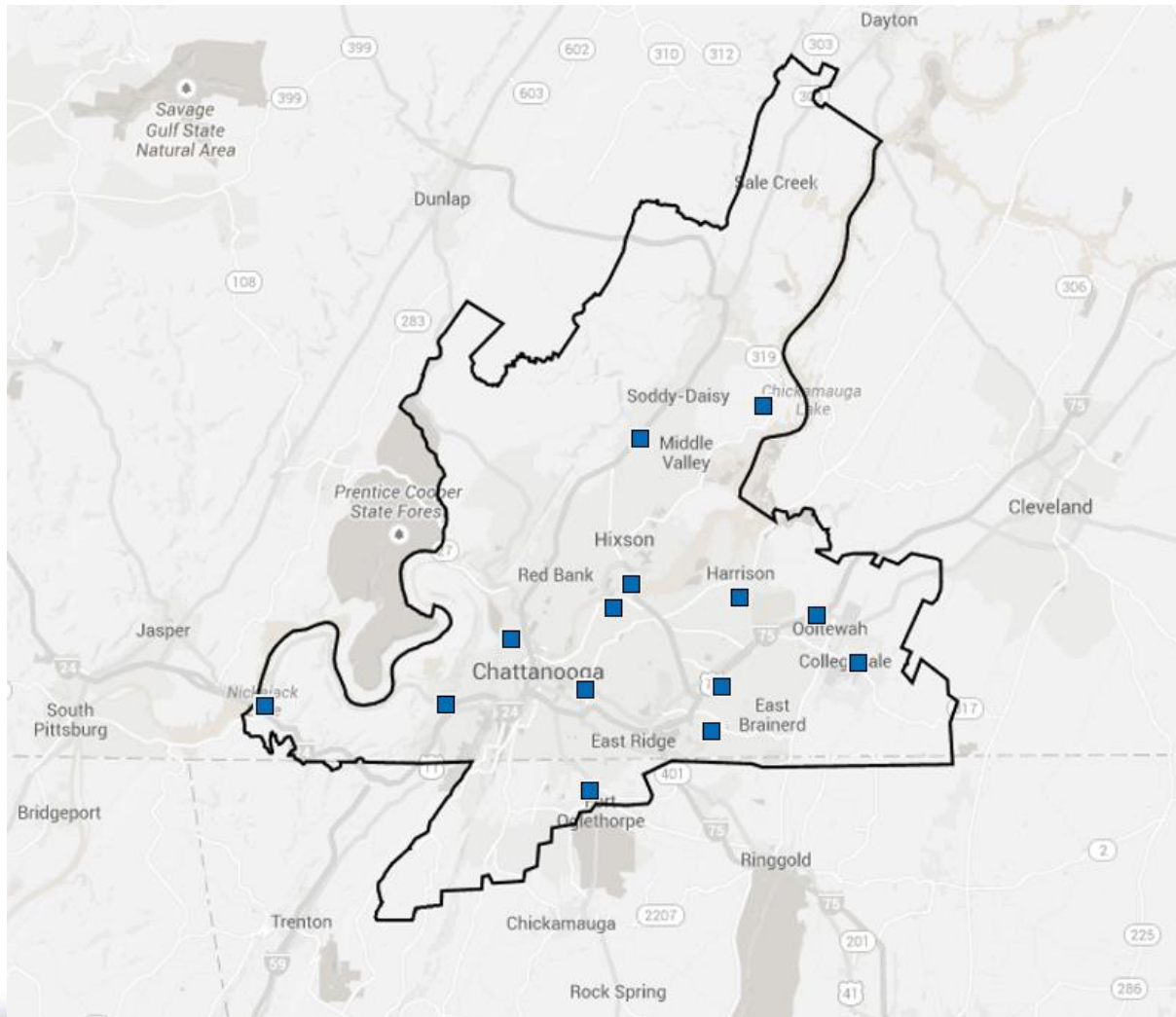
# Radial Fiber



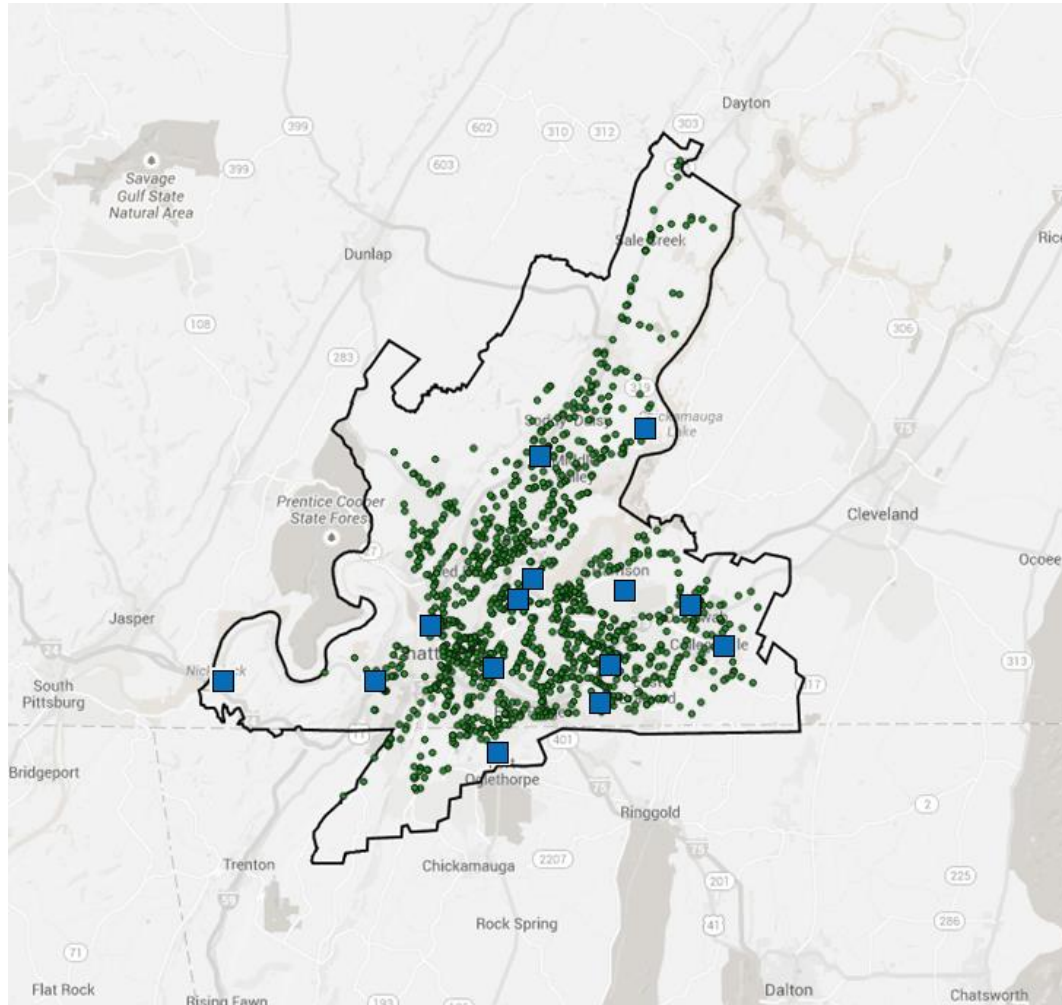
# Distribution Automation



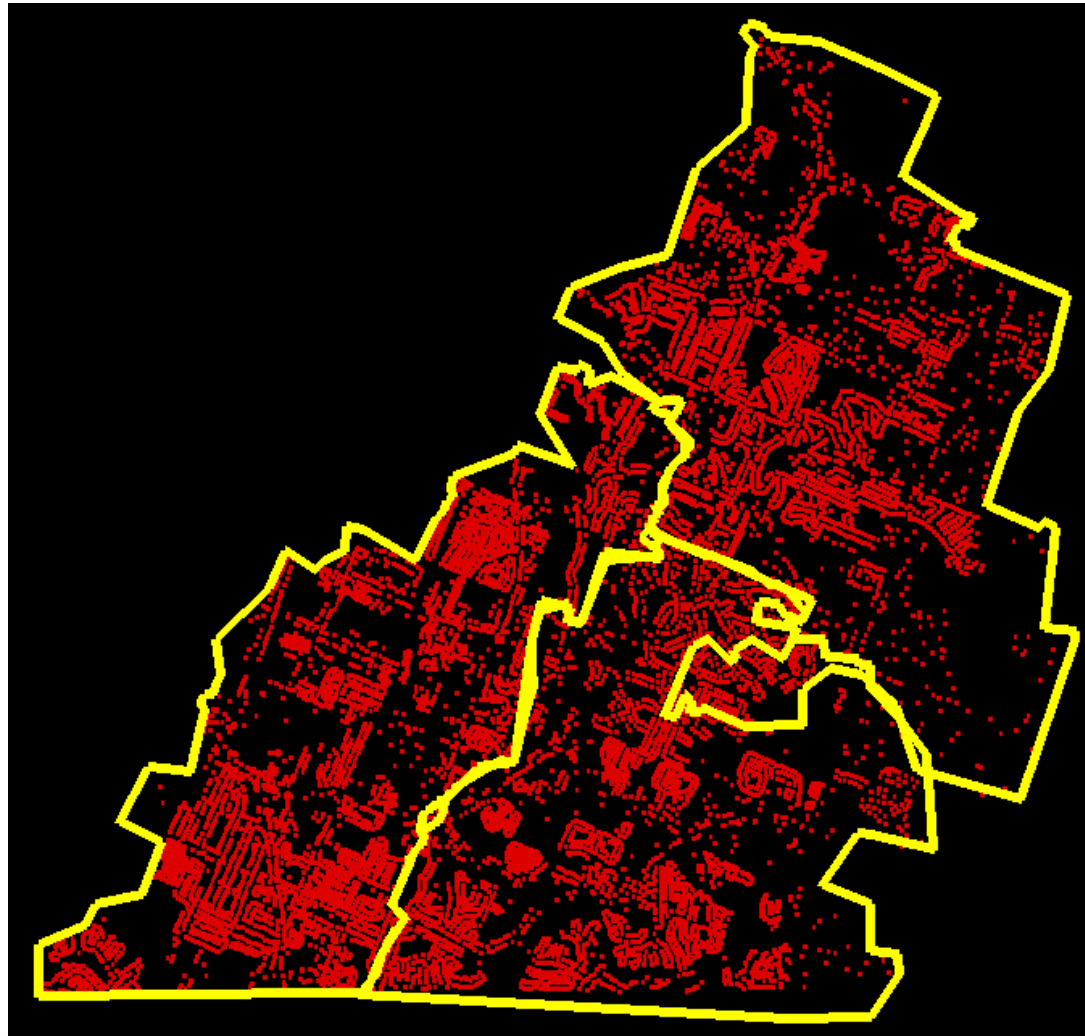
# TVA Infeed Points



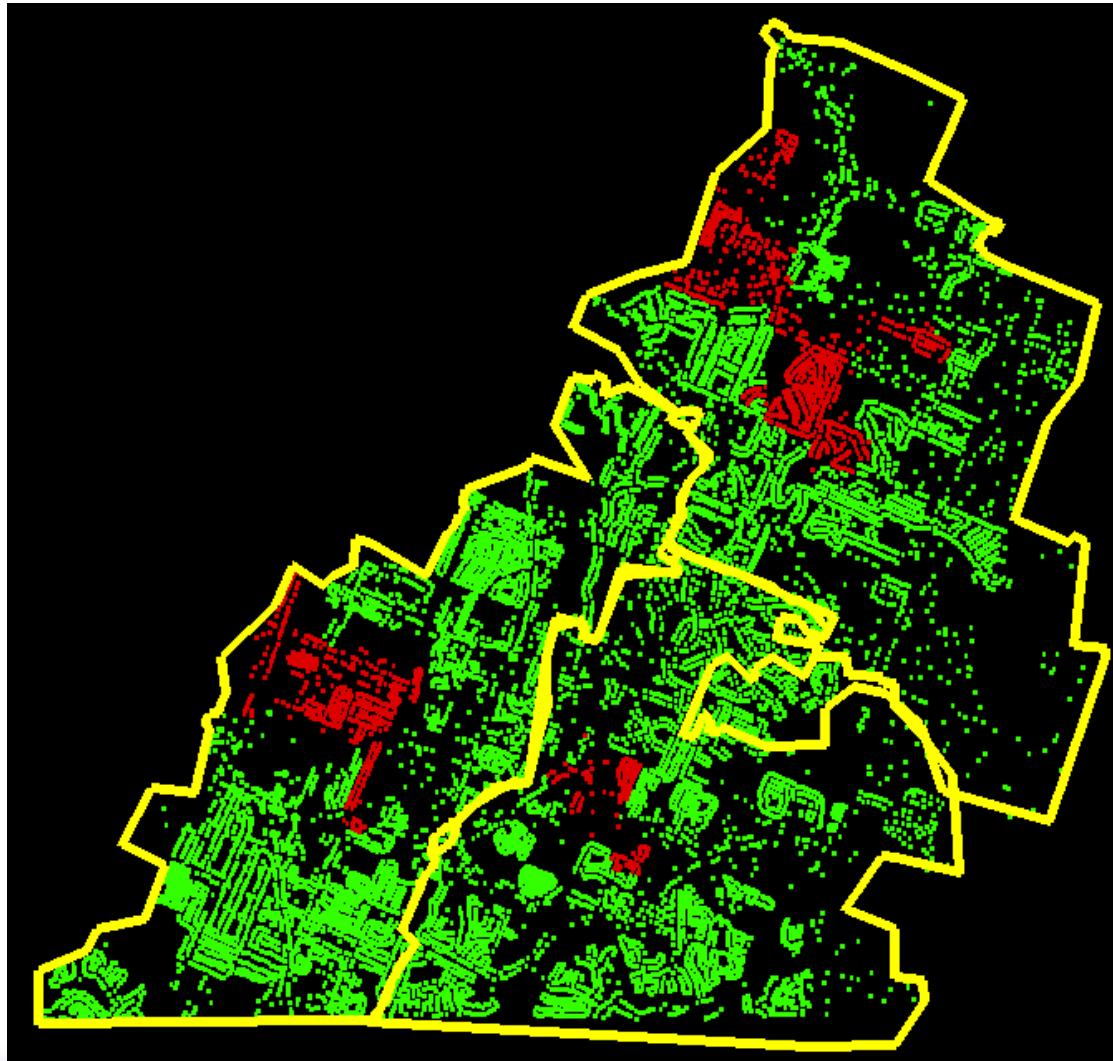
# TVA Infeed + Distribution Automation



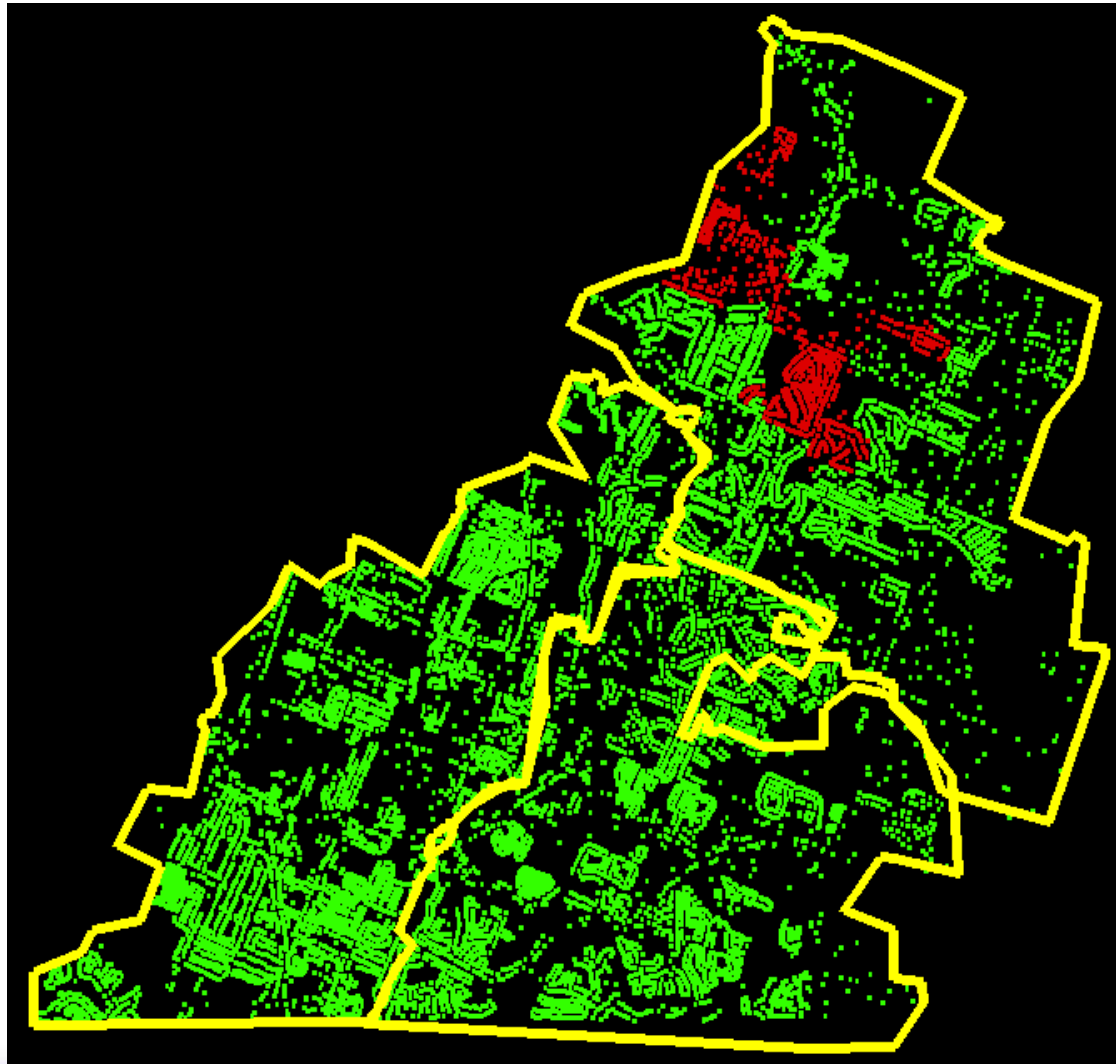
5:31 PM



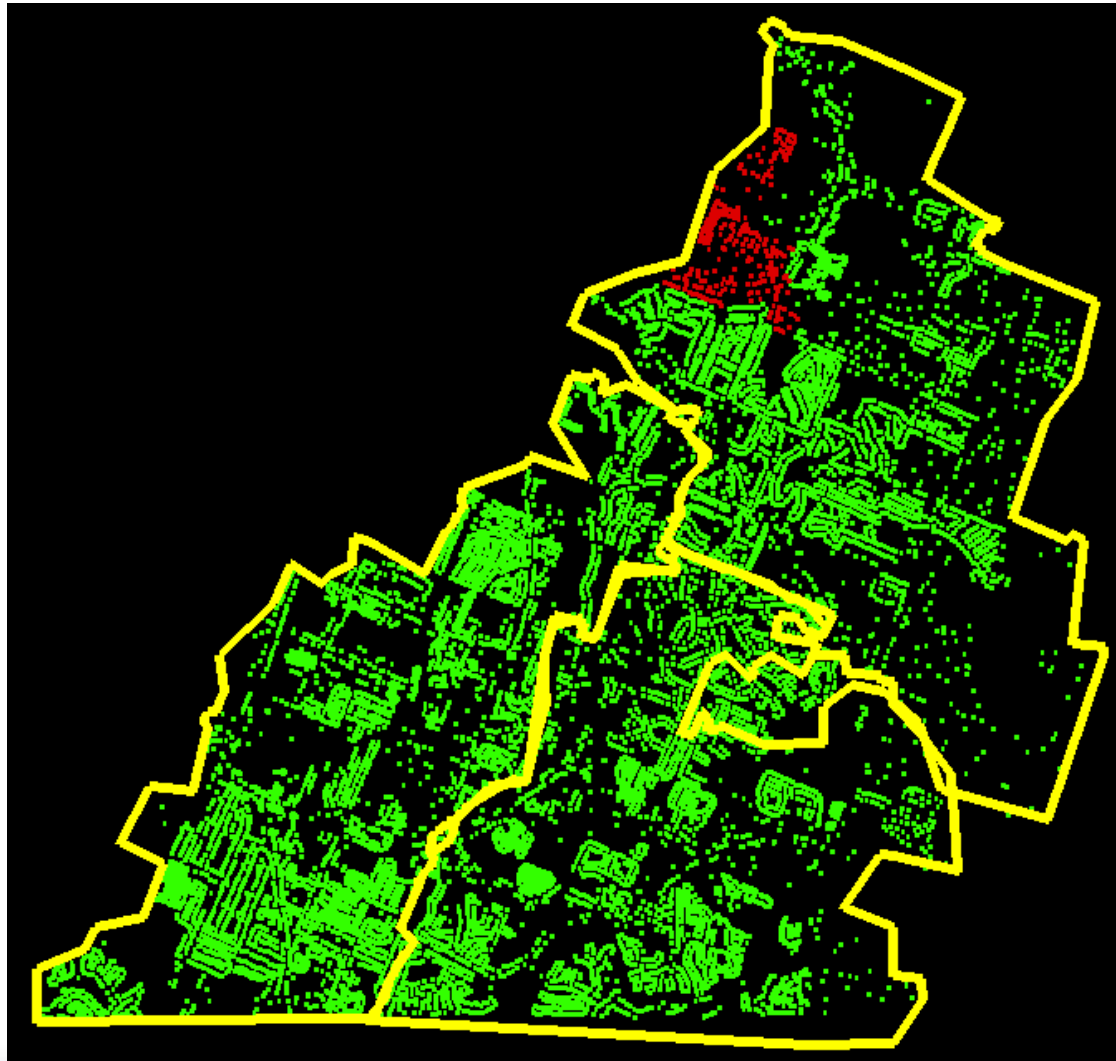
# 28 Seconds Later



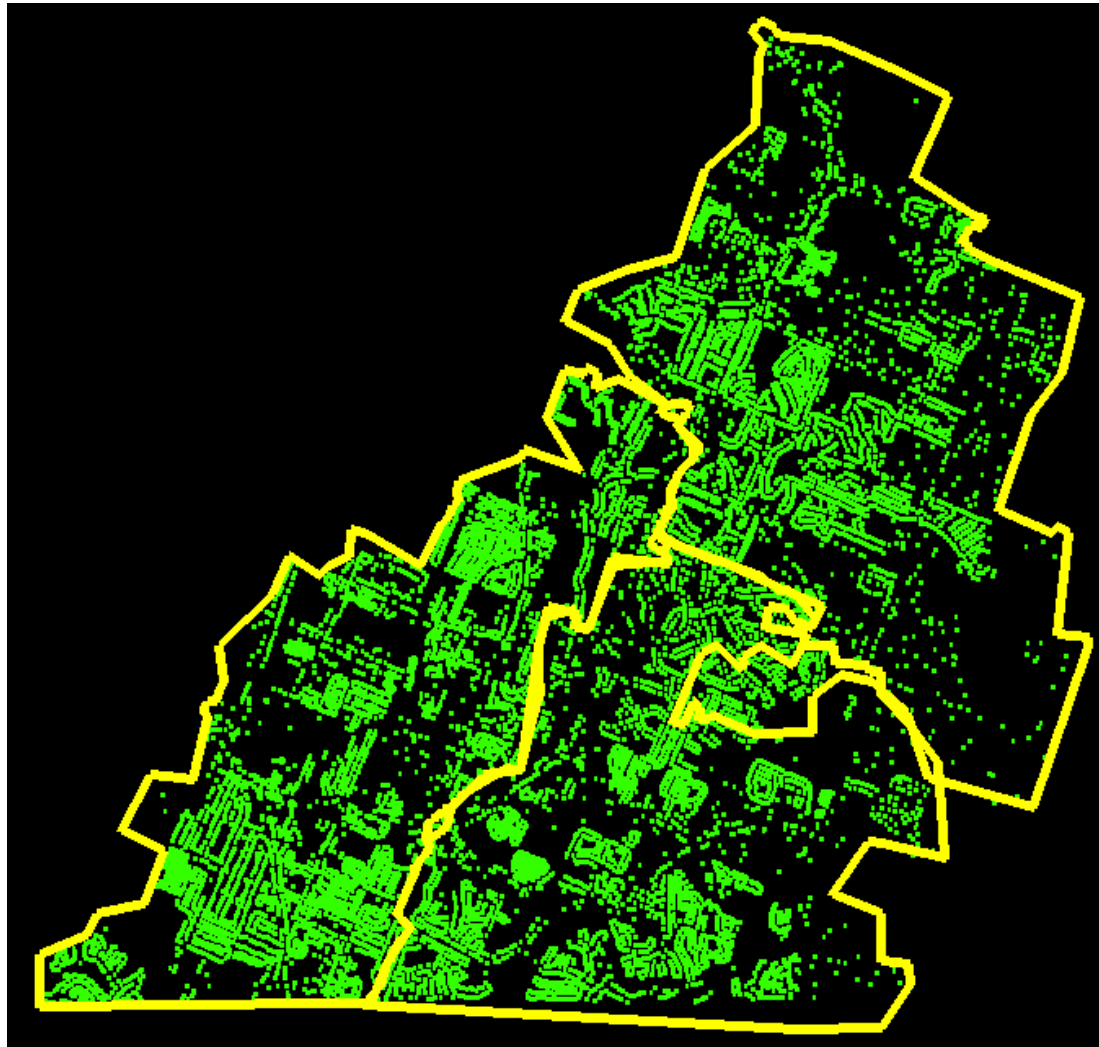
# 15 Seconds Later

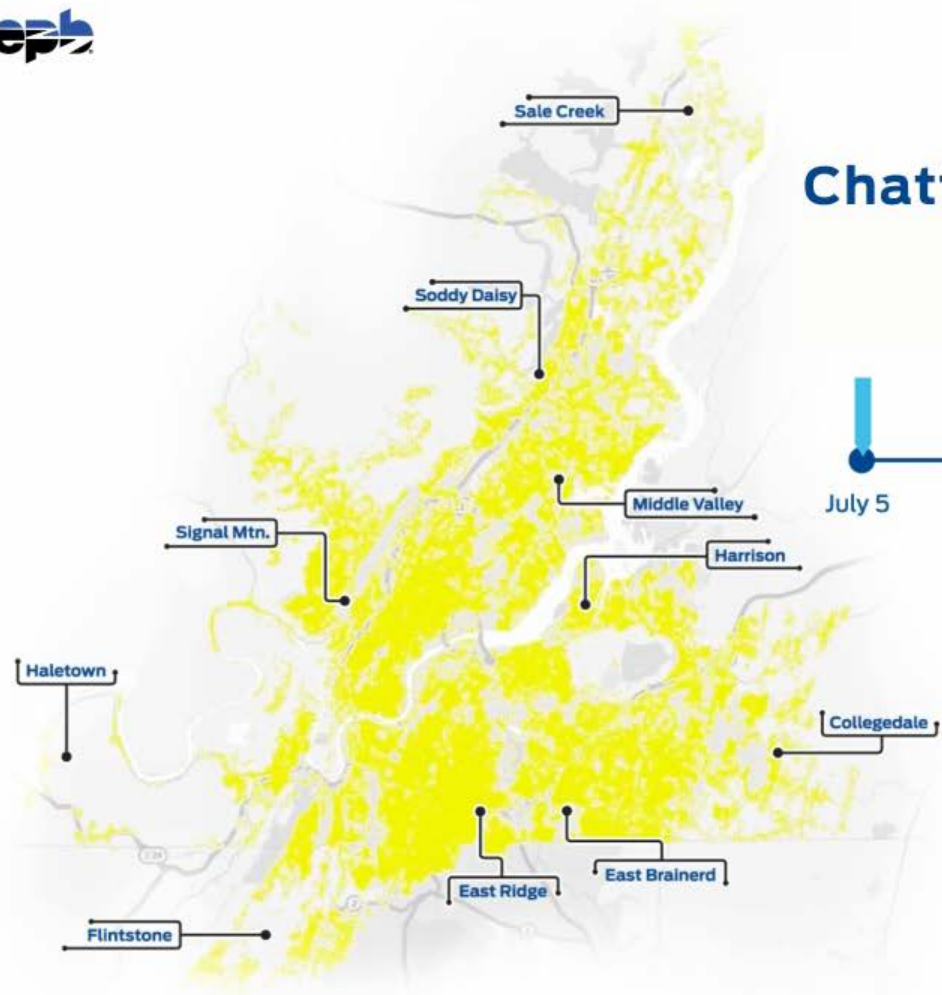


3:06 Later



2:43 Later





# Chattanooga TN



● Outage

● Automatic Restore

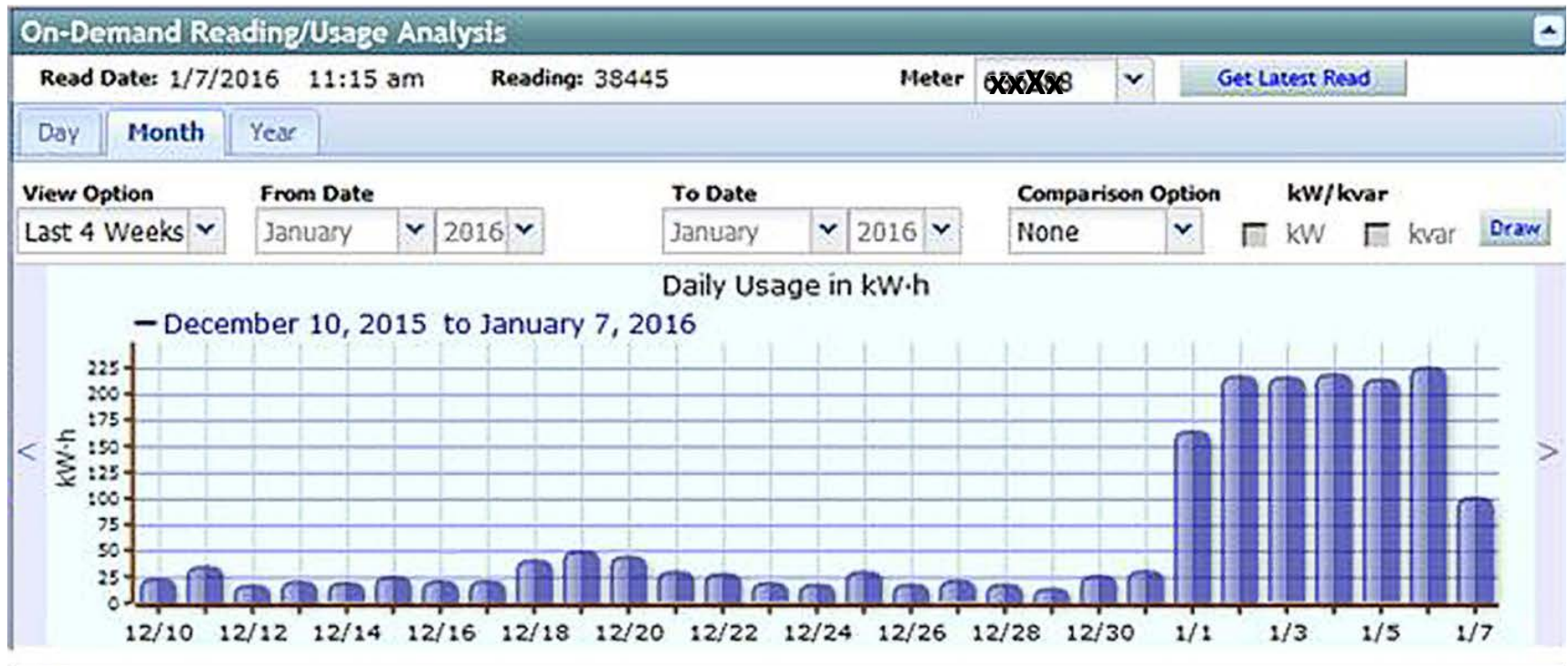
● Active

● Manual Restore

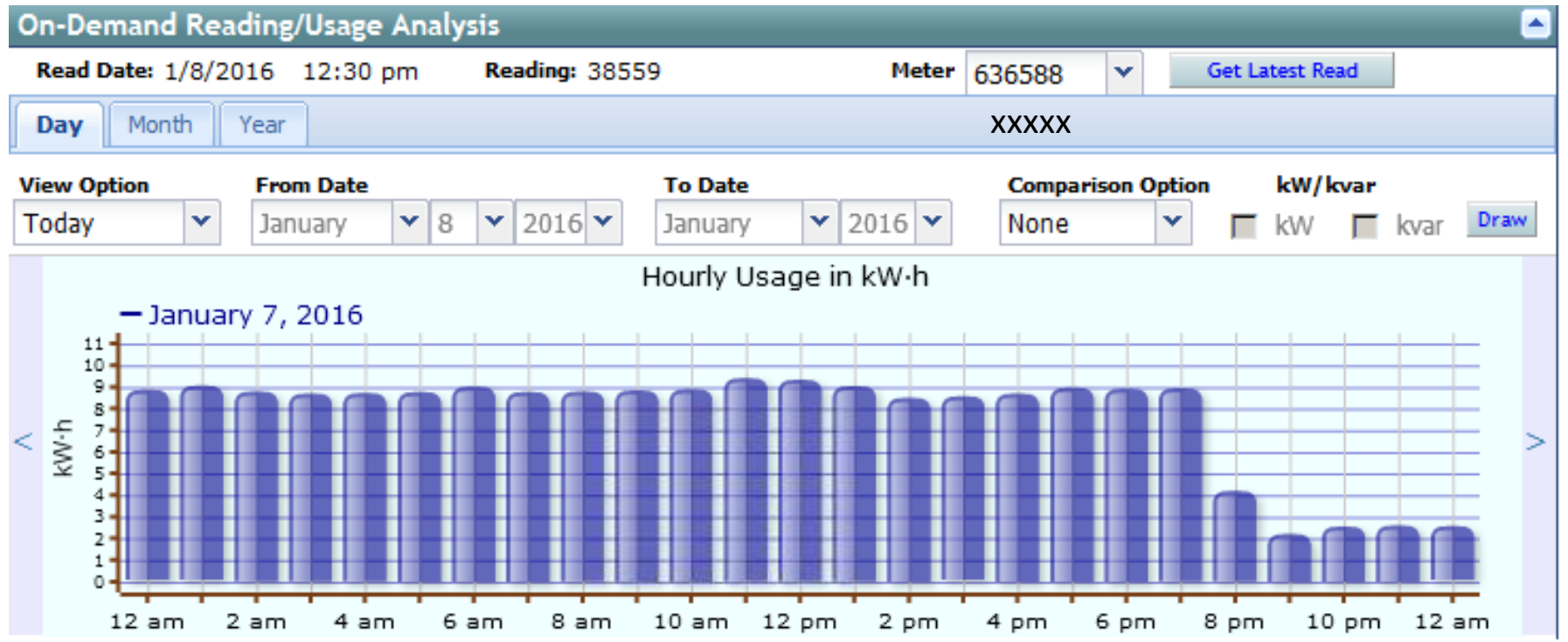
# Automated Metering Infrastructure



# Helping Customers



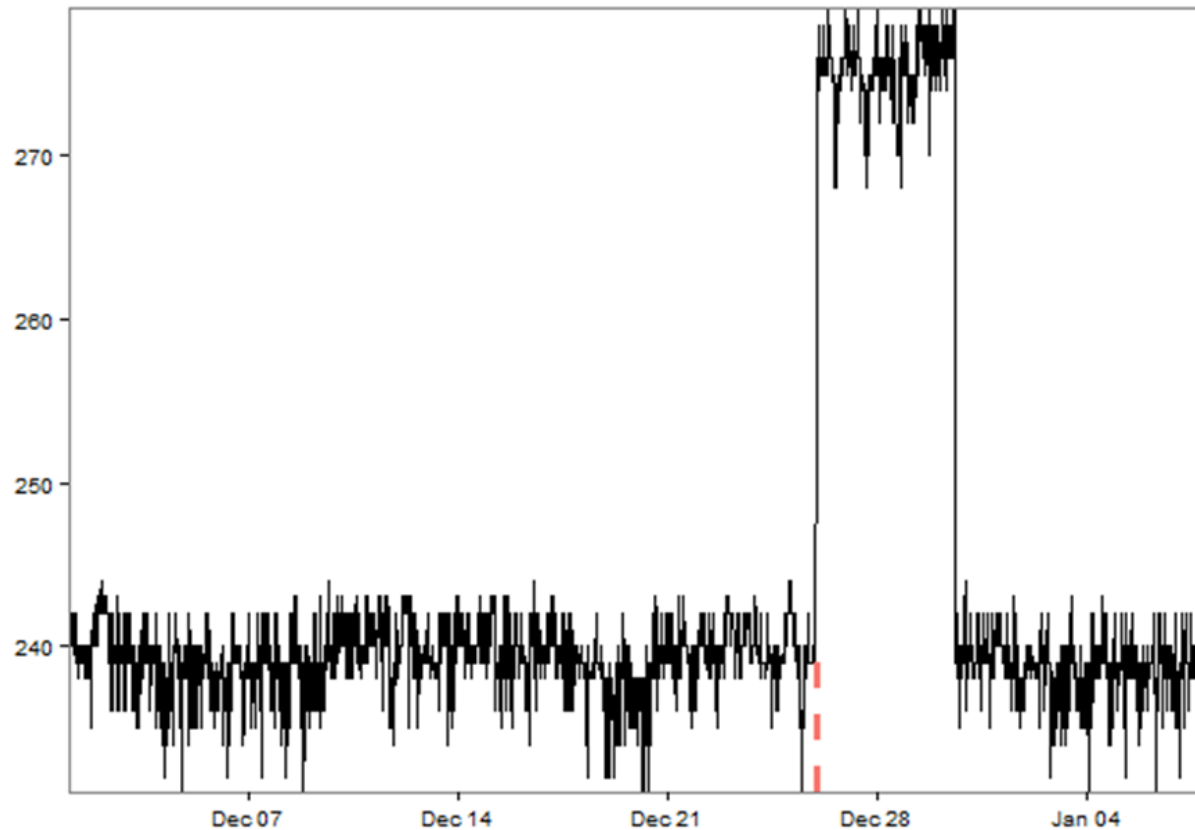
# Helping Customers



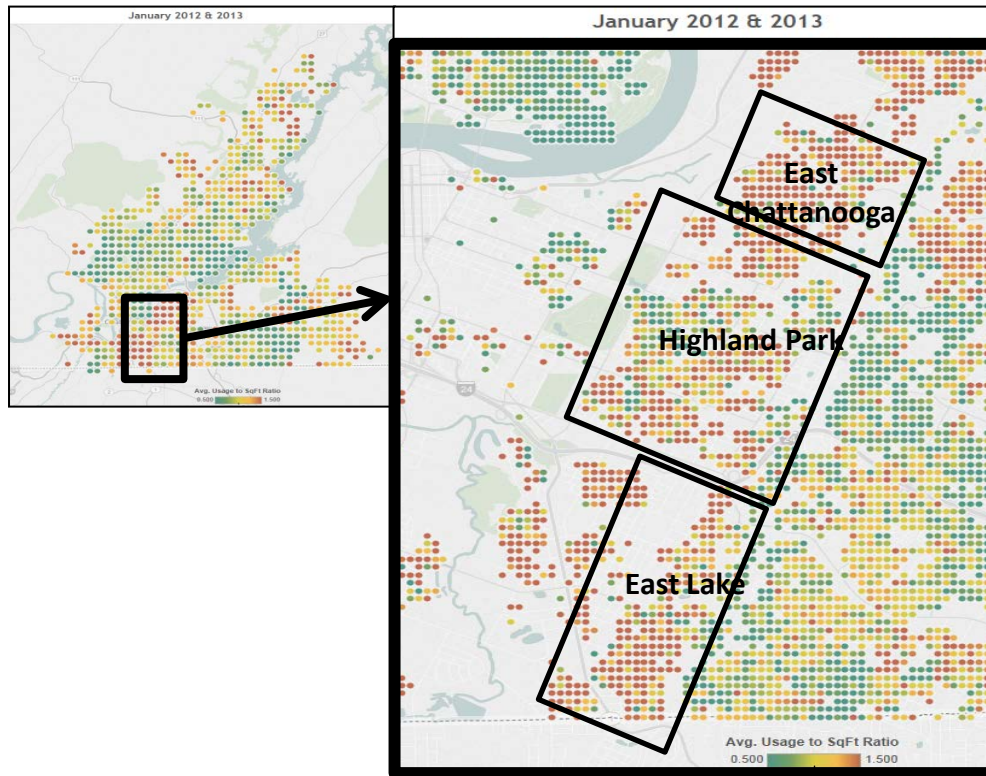
# Spike the Energy Watchdog



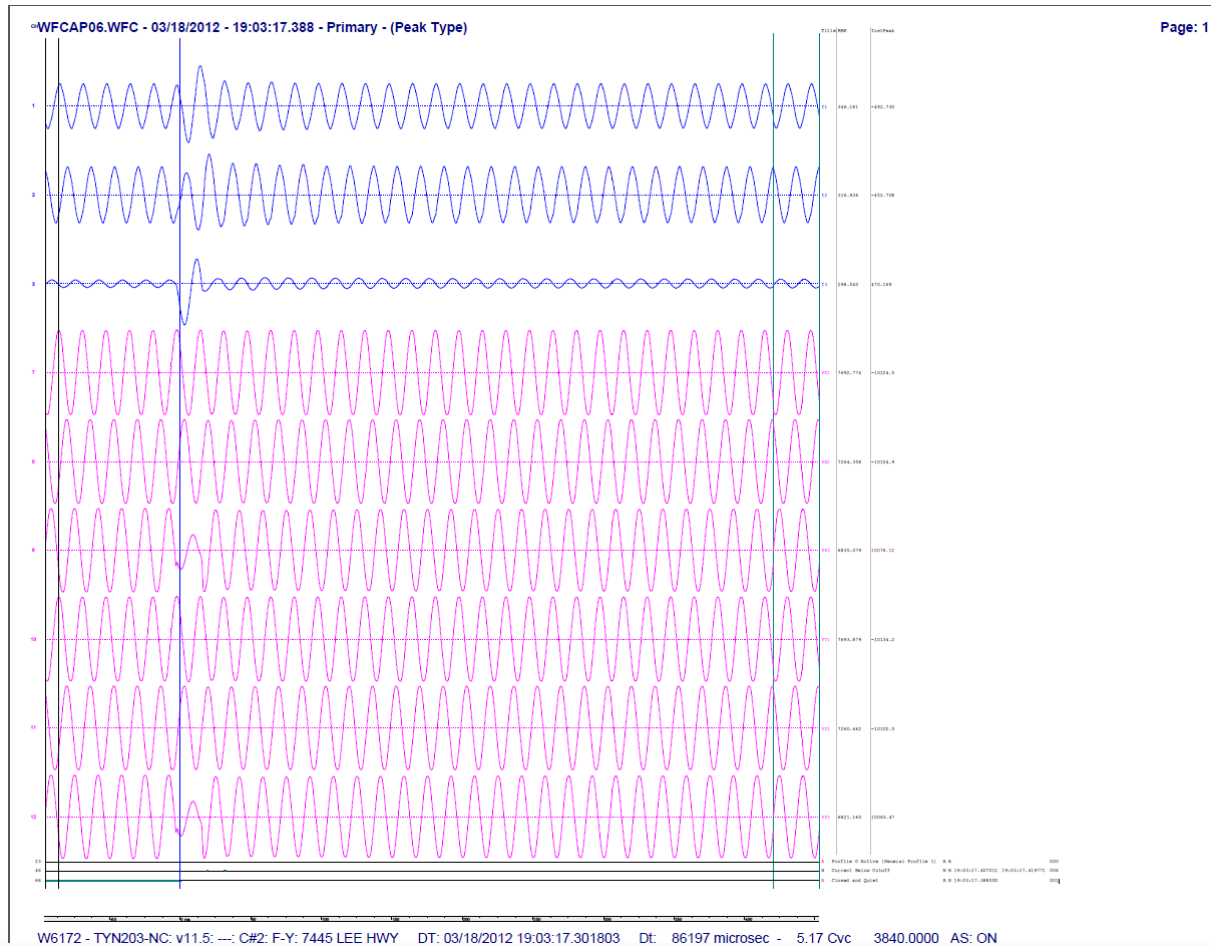
# Predictive Analysis



# Energy Usage Intensity



# Power Quality Insight



# Foundation for the Future

- Improved Reliability and Resiliency
- Predictive Analysis
- New Level of Customer Assistance
- New Tools for Customers
- Improved Operational Efficiency
- Theft Detection
- Optimal Use of Renewables



# Recommendations

- Dense Distribution Automation
- Robust, Low Latency Communications Network



# Questions?

