

## **VISUAL INSPECTION OF ALL METERING EQUIPMENT**

- Meter Operation
- Meter Wiring Connections
- Test Switch Connections
- Demand Recorder Operation
- Isolation Relay Operation
- Fuses
- All Metering Wires
- Current Transformers
- Voltage Transformers

## **METER TEST AND CALIBRATION**

- Visual Inspection of Meter Operation
- Record All Nameplate Information
- Record Power Up and Power Down Time
- Record As Found KWh And KW Readings
- Record As Found Test Results
- Calibrate to KSTS Specifications of:
  - +/- 0.25% Series Full Load
  - +/- 0.25% Series Light Load
  - +/- 0.5% Series Power Factor
  - +/- 1.0% Element Balance
- Record As Left Test Results
- Perform Demand Test (Optional)
- Reset Demand Register
- Record as Left KWh and KW Readings
- Secure All Electrical Connections
- Clean Meter Glass Cover
- Remove Debris from Meter Enclosure
- Seal Meter with Utility Supplied Seals
- Seal Meter Enclosure with Utility Supplied Seals

## **CURRENT TRANSFORMER TEST**

- Visual Inspection of Current Transformers and Wiring
- Record All CT Nameplate Information
- Attach Primary and Secondary Current Measuring Devices
- Record Actual Primary and Secondary Current Readings
- Perform Actual Ratio Check
- Perform Cross-Phasing Check
- Perform Reverse Polarity Check
- Perform Burden Checks Up to Rated CT Burden
- Secure All Electrical Connections
- Calculate Percentage Difference Between Actual and Nameplate Ratio

## **CUSTOMIZED REVENUE SITE RESULTS REPORTING**

- Individual Meter Test Report
- All Nameplate Information
- As Found Results

- As Left Results
- Description of all Corrective Action Taken
- Listing of Recommended Utility Actions
- Current Transformer Report
- Individual Nameplate Information
- Actual Primary Current Readings
- Actual Secondary Current Readings
- Actual Ratio Calculations
- Percent of Ratio Deviation from Nameplate
- Description of all Corrective Actions Taken
- Listing of Recommended Utility Actions