

Arc Flash Advisors agrees to furnish an Power Quality Analysis based IEEE Std 519-1992 Recommended Practices and Requirements for Harmonic Control in Electrical Power Systems.

Arc Flash Advisors was founded by a group of passionate electrical engineers, licensed electricians, and certified thermographers from various electrical power industries, who perform electrical power systems analysis, preventative maintenance, inspection, testing and commissioning services and have incorporated the best practices from various industries into the Arc Flash Advisors process.



References:

- IEEE Std 519-1992
- CAN/CSA C235
- CAN/CSA E 1000 2-2-97

Using a Fluke 434 Power Quality Analyzer Arc Flash Advisor Crews will

- Visit the facility to attach a set of power monitoring CT's and VT's This may require de-energising the test point.
- Provide Frontline Troubleshooting – quickly diagnose problems and get your operations back online
- Capture Power Quality Measures
 - Magnitude - Long term level voltage
 - Unbalance – Condition of the 3 phase power system and phase angle
 - Harmonics- Peak and Total harmonic distortion
 - Flicker – periodic fluctuation in voltage
- Capture Transient Disturbances
 - Dip (Sag) - momentary reduction in voltage
 - Swell - momentary increase of the voltage relative to nominal
 - Transient - very brief (<0.5 cycle) fluctuation in the voltage
- Return to the facility to remove the power monitoring equipment
- Report and Analyse
 - Provide a detailed report of findings
 - Provide raw data to be kept as baseline
 - Make recommendations to improve power quality if necessary

Deliverables

- Power Quality Analysis Report

