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POWER FACTOR CORRECTION & HARMONIC MITIGATION

MCW/AGE Power Consultants is an industry leader in providing power factor correction and harmonic mitigation studies and designs from 208V to 25kV. Through the use of Harmonic Load Flow Studies using EDSA® software and Switching Transient Studies using PSCAD/EMTDC® software MCW can model your distribution system with a high level of accuracy applying the best solution to meet your needs.

With the ever-increasing number of non-linear loads being added to Industrial, Commercial, and Institutional facilities, many utility customers are finding that traditional power factor correction methods are no longer viable. The higher harmonic content of modern distribution systems

often can cause undesirable resonant conditions to occur creating risks to system reliability. Many of our clients have utilized a proactive approach by hiring MCW to enhance the quality of their electrical supply while maintaining or supplementing the financial benefits realized from power factor correction.

Some of our previous projects include:

- 4MVAR Capacitor to Automatic Filter Bank conversion for a large university campus.
- 1200kVAR Harmonic Mitigation and Power Factor Correction for an auto shredder.
- 2.4 MVAR Harmonic Mitigation and Power Factor Correction for a hospital complex.
- 600kVAR Conventional Capacitor Installation for a limestone quarry.

