SYSTEM AUDIT AND ANALYSIS

1.0 SYSTEM AUDIT AND ANALYSIS INCLUDES...

- Equipment and Substation Audit
- Documentation of Equipment and System Operating Conditions
- Updating One-Line Diagrams
- Load and Harmonic Audit
- Power Factor and Harmonic Analysis
- Short Circuit, Coordination, and Arc Flash Analysis
- Development of a Plan with Specific Recommendations

OFTEN, FOR INDUSTRIAL PLANTS OVER 20 YEARS OLD...

- The system was designed to standards and codes that may be out of date.
- There are many different types of equipment.
- There is equipment from many different manufacturers.
- System and equipment documentation is either incomplete or nonexistent.
- One-line diagrams are either badly out-of-date or nonexistent.
- Less reliable analog trip devices are in use instead of modern static trip devices.
- Consideration is given to replacing aging switchgear.
- Equipment short circuit ratings may be inadequate.
- Equipment maintenance is lacking.
- When a breaker trips or a process misoperates, it is difficult to identify the source of the problem.

Develop a "**PLAN**" so that steps can be taken to improve system efficiency and reliability. Begin with a "**SYSTEM AUDIT AND ANALYSIS**" done by the experienced staff at Qual-Tech Engineers.

OLDER PLANTS ARE A CHALLENGE...

... THEY ARE OUR "SPECIALTY" AT QUAL-TECH!