



# On-Line!



## ELECTRICAL SYSTEM ASSURANCE PROGRAM

Now, through technology, electrical distribution systems can be evaluated with conditions monitored and trended; without the need of maintenance shutdowns.

Hampton Tedder Electric and Hampton Tedder Technical Services can provide the newest state-of-the-art On-Line Evaluation Program.

To meet your electrical system maintenance needs:

Hampton Tedder's On-Line Electrical System Assurance Program is a combination of all state-of-the-art on-line evaluation techniques, coupled with an Electrical Engineer's review of all results producing one report which can be used to repair, on-the-spot, problem areas and used as a baseline for future testing.

Tests performed included:

- 1) [Infrared Thermography](#) – To evaluate loose connections, hot spots, problems with current flow and electrical panels.
- 2) [Partial Discharge Analysis](#) – To evaluate medium and high voltage insulation breakdowns, voltage problems, transformers, cable and switchgear.
- 3) [Insulating Oil Analysis](#) – To evaluate oil condition, oil transformers and oil switches.
- 4) [High voltage Cable Splice Temperatures](#) – To evaluate poorly constructed or deteriorating cable splicing.
- 5) [Manhole Explosive Gases](#) – To evaluate migrating gases leaking into underground duct systems.
- 6) [Visual Inspections](#) – Hampton Tedder personnel are trained to visually detect code problems, etc.
- 7) [On-Site Repair](#) – Hampton Tedder personnel are capable of performing low, medium and high voltage repairs necessary on the spot.