

WHY SHOULD AN ENGINEER SPECIFY THE PQI TYPE TPM™ - TRANSFORMER PERFORMANCE METER?

- ❖ Provides transformer efficiency validations, per CSA 802.5 or The PQI Calculator™ for project specification compliance. **Johns Hopkins – School of Medicine/Towson U Case Studies validate rebates.**
- ❖ Confirms anticipated loading and load K-Factors.
- ❖ Monitors power and harmonic profiles, locally and remotely, via MODBUS or Ethernet, with standard protocols, when undertaking system alterations and/or expansions. **Knowing the energy /load usage prevents further misuse of energy thus giving the customer a proactive way to make smart decisions, thus saving money. Studies indicate this alone can provide a 10% ENERGY SAVINGS.**
- ❖ Real time data viewing on a personal computer or web page. **Setting alarms and/or thresholds allows the customer to monitor and maintain his energy usage, thus helping Risk Mitigation.**
- ❖ Contributes to higher US Green Building Council LEED status for Energy & Atmosphere: Enhanced Commissioning, Optimized Energy Performance, Advanced Energy Metering, Demand Response and Green Power and Carbon Offsets.
- ❖ Identifies underutilized transformers as potential power sources for future expansions.
- ❖ Identifies transformer downsizing retrofit opportunities for higher transformer efficiencies. **The estimated cost of a load study is between \$500 and \$1500 PER TRANSFORMER not including off site costs like airfare, hotel, etc. In addition, the fee for the customer's redesign would be reduced and it would be prepared much faster.**
- ❖ Identifies harmonic mitigation requirements. **Johns Hopkins and Blue Cross/Blue Shield Case Studies justified additional savings (1.7x) due to the proper application of harmonic mitigating technology.**
- ❖ Helps validate vendor's equipment savings claims. **The Type TPM™ gives the Owner the ability to validate PQI's savings claims. Most customers have to claim detailed savings in order to procure funding to purchase the product.**
- ❖ Increases engineer's marketable optimized power system designs in a competitive market.
- ❖ Helps retain existing clients. **Faster design response time due to no requirement for a load study.**