

# Power Testing Solutions



Get expertise, teamwork and solutions every time you choose

**Tri-City Electric Co.**

Your company depends on a reliable and efficient electrical distribution system every day. When problems arise or maintenance is required, you need total confidence that your electrical contractor has the right solutions for your system and will get the job done right. That is the way Tri-City Electric has been doing business since 1895.

**CONFIDENCE DELIVERED.®**



**Tri-City Electric Co.**  
Since 1895

## Experienced in power testing solutions.

Tri-City Electric Co. has the expertise and the hands-on experience to keep your power distribution system running at maximum efficiency. We can help you solve your electrical problems — and even better, we can anticipate and prevent problems before they even develop.

*“Tri-City Electric Co. made great recommendations and really understood the way we operate. They really helped us make the best decisions, not just in terms of cost but also functionality.” — Tom Risse, Electrical Engineer of Special Projects, Cedar Falls Utilities, Cedar Falls, IA*

### AREAS OF EXPERTISE

#### • Service on All OEM Equipment, Transformers

- Insulation Resistance Testing
- Winding Resistance Testing
- Turns Ratio Testing
- Excitation Testing
- Power Factor Testing
- Oil Quality Testing
- Failure Analysis
- Custom Installations

#### • Switchgear/Substations

- Low/Medium/High Voltage Circuit Breaker Testing
- AC-Pro/Solid State Conversions
- SF6/GIS/Vacuum Circuit Breakers
- Air & Vacuum Contactors/Starters
- Protective Relays
- Meter Calibration
- New & Rebuilt & Rental Switchgear
- VLF DC/PD Cable Testing
- Custom Installations

#### • Condition-Based Maintenance

- Reliability
- Performance
- Responsiveness
- Life Cycle
- Partial Discharge Testing
- LV, MV, HV Breaker Reconditioning
- Custom Switchgear Design & Installation

#### • Deficiency Studies

- PD/RFI Surveys
- Infrared/Ultrasonic Scanning
- Power Quality Measurement & Analysis
- Load Measurement
- Harmonics Testing

#### • Power Monitoring Solutions

- Power Monitoring System Design & Installation
- Power Monitoring System Administration
- Power Monitoring Training
- Integration of Existing Metering
- Reporting and Analysis

#### • Substations Solutions

- Design/Construction
- OCB/SF6 Retrofits
- Protective Relay Upgrades
- Generation ISO Phase Bus Maintenance

#### • Planned Outage Services

- Preventative Maintenance Cleaning & Testing
- Planning and Project Management

#### • Emergency Services

- On-Site Repair of Equipment Failures

#### • Medium Voltage Retrofits

- Turnkey Virtual Main Solution
- Reduce Arc Flash Rating
- Improve Safety
- Remote Operation

#### • Other Solutions

- Field Engineering Solutions
- Commissioning & Acceptance Testing
- Project Coordination
- On-Site Services
- In-Shop Services-Breakers
- Equipment Life Extension
- Reconditioning, Upgrades & Modernizations
- Troubleshooting & Diagnostics
- Breaker Exchange Programs
- 24 Hour Emergency Response
- All OEM Equipment in-shop or on-site

Find out how you can get **CONFIDENCE DELIVERED®** on your next project.  
Go to [www.tricityelectric.com](http://www.tricityelectric.com)



BBB Integrity Award Winner  
BBB serving Greater Iowa  
Quad Cities and Siouxland Region