



SERVICES

Engineering & Electrical Testing Services

The Power of Certainty

Prime Power is equipped to provide you with a complete scope of electrical testing and engineering services. We are recognized as a leader in emergency power generation and provide the same level of experience and professionalism in our testing services. We are the single point of contact for your normal and emergency electrical systems.

### Arc Flash Analysis & Training

Compliance with OSHA and NFPA 70E regarding arc flash protection takes more than just labeling your distribution equipment. Prime Power provides Arc Flash Analysis studies that comply with all 2009 NFPA 70E regulations including:

- Calculated Incident Energies For All Electrical Equipment
- Proper Labeling of Incident Energies and PPE Requirements for All Equipment
- Training on Safety Related Work Practices and Electrically Safe Work Practices
- Implementing Arc Flash & Shock Hazard Analysis With PPE Requirements
- Development of Updated Facility One Line Diagrams

### Breaker Coordination Studies

Facility growth, modifications, and changes in tenant occupancy can have cumulative effects on keeping an electrical system properly coordinated. Prime Power provides studies for proper coordination of:

- Power Distribution Breakers
- Fused Switches & Disconnects
- Motors & MCCs
- Transformer Ratings

### Distribution Breaker Testing

Arc flash and coordination studies are only as effective as the over-current equipment protecting your system. Prime Power ensures that your system operates as designed and analyzed with testing services for the following equipment:

- Primary Injection Testing
- Secondary Injection Testing
- Meggar & Hi-Pot Testing
- Protective Relay Calibration

### Infrared Scanning

Properly applied with the above maintenance services, infrared scanning provides an additional level of confidence with the overall integrity of your electrical system. Annual infrared scanning of your facility's electrical distribution equipment can reveal:

- Failing Equipment
- Overloaded Equipment
- Load Imbalances
- Loose Connections and Hot Spots

We appreciate the trust you have placed in Prime Power to care for your facility's most critical equipment needs and look forward to expanding that confidence with service to your entire electrical distribution system. Please contact any of our Project Team members at the number below with any questions you may have regarding these services.

