SPARKP()WER

THE ELECTRICAL DISTRIBUTION SYSTEM EXPERTS

Spark Power Corp. excels in delivering integrated, end-to-end electrical distribution solutions for industrial, commercial, institutional (ICI) and utility customers across North America. Our staff of highly trained engineers, tradespersons and technicians offers best in class service to ensure the safety and reliability of your power infrastructure for years to come.



Technical Field Services

Installation, removal, and repair

- Cables
- Circuit breakers
- Circuit switches
- Disconnects
- Panels
- Switchgear
- Transformers
- MCC's and MMC Starters
- (HV/LV), Emergency systems
- UPS's



Technical Testing Services

Testing, maintenance, and compliance solutions

- Arc flash risk analysis
- Coordination and short circuit studies
- Infrared analysis
- Metering
- Primary or secondary injection testing
- Transformer oil sampling and testing
- OSHA and NFPA 70E maintenance programs



Engineering Services

Engineering design and analysis

- Transmission
- Distribution
- Power plants
- Substation
- Grid modeling
- Electric heat tracing
- Power system studies
- Harmonics analysis
- Energy audits
- Power factor corrections
- Load balance studies
- HAZOP and risk assessment



Specialty Services

The electrical services no one else does

- Double insulation power factor testing
- Transformer refurbishment
- Dialectic transformer testing
- MV megger and circuit testing

Spark Power Corp. (TSX: SPG)(SPG.WT) is a leading independent provider of integrated power solutions to industrial, commercial, and institutional customers across North America. Spark Power's 750+ employees help deliver powerful solutions that reduce costs, make the environment a priority and empower our 6,500+ customers to transition to the grid of the future. Learn more at **www.sparkpowercorp.com.**

UNDERSTANDING THE RELATIONSHIP BETWEEN OSHA AND NFPA 70E/70B

OSHA has not "adopted" NFPA 70E simply because adoption nationally would require a lengthy and expensive process. OSHA has instead referenced compliance to NFPA 70E using Section 5 (a) (1) of the Occupational Safety and Health Act of 1970, commonly referred to as the "General Duty Clause", as their basis for implementation. The General Duty Clause states that employers "shall furnish to each of his employees: employment and a place of employment which are free from recognized hazards that are causing or likely to cause death or serious physical harm to its employees."

6 POINT COMPLIANCE CHECKLIST

(1) Responsible and qualified personnel. (2) Regularly scheduled inspection, testing, and servicing of equipment. (3) Survey and analysis of electrical equipment and systems to determine maintenance requirements and priorities. (4) Programed routine inspections and suitable tests. (5) Accurate analysis of inspection and test reports so that proper

corrective measures can be prescribed. (6) Performance of necessary work. (7) Concise and complete records.

Equipment Maintenance

NFPA 70B (5.2) Elements of an EPM program: