

ELECTRICAL MAINTENANCE MANUAL

The Electrical Maintenance Manual is a reference book designed for employees and contractors who are responsible for the electrical maintenance of pipeline equipment and facilities.

This manual consists of two sections:

1. Electrical Maintenance Procedures
2. Electrical Preventative Maintenance

Section	Section Title	Section Description
1	Electrical Maintenance Procedures	<ul style="list-style-type: none"> • Contains procedures associated with the repair, calibration, replacement, and refurbishing of electrical equipment and systems found in a typical liquid pipeline operation: <ul style="list-style-type: none"> ○ Motors (to 5,000 HP) ○ Switchgear ○ Mechanical and electronic relays ○ Tank farm graphical user interface systems ○ Tank gauging systems ○ Custody transfer system ○ Transmitters ○ Programmable logic controllers (PLCs) ○ Local area networks (LANs) ○ Pressure control valves (PCVs) ○ Electrical test equipment ○ Gas and fire detectors ○ Leak detection equipment, and more.

		<ul style="list-style-type: none"> • <i>Electrical Maintenance Procedures</i> is supplemented with reference information on: <ul style="list-style-type: none"> ○ Deadweight testers ○ Control loops ○ Segmental wedge flow meters
2	Electrical Preventative Maintenance	<ul style="list-style-type: none"> • Contains procedures associated with scheduled servicing and inspection of electrical equipment and systems found in a typical liquid pipeline operation: <ul style="list-style-type: none"> ○ Motors (to 5,000 HP) ○ Switchgear ○ Mechanical and electronic relays ○ Tank gauging systems ○ Custody transfer system ○ Transmitters ○ Pressure control valves (PCVs) ○ Electrical test equipment ○ Gas and fire detectors, and more