



ELECTRIC PLANT OPERATION & MAINTENANCE

Understanding the operation, maintenance, troubleshooting, and application of facility electrical systems is instrumental in ensuring a safe and reliable operation.

This class covers the safe operation of a facility electric plant to include recognition of specific hazards and safe switching. System design and layout are reviewed to gain a clear understanding of the system as a whole. Large frame circuit breaker operation and maintenance is reviewed in detail. Anyone responsible for the operation or maintenance of the electric plant should attend. Those needing to ensure a proper response to a substation emergency should also attend.

INTRODUCTION

SAFETY

Hazards
Protection

SYSTEM DESIGN

Configuration
Equipment Overview

LARGE FRAME BREAKER OPS

Review of Construction
Static trip operation
Proper closing
Automation
Cell position and communication
Rack In – Automation
Testing – Automation
Rack Out – Automation
Common failure scenarios
Sensing
Coordination
PLC controls

SWITCHING

Safety
Procedures
Equipment
Emergencies

SYSTEM WALKTHROUGHS

Course includes 8 hours of in plant
walkthroughs

CONCLUSION