



Electric Plant Loss of Power

INTRODUCTION

Purpose
Presentation Methods
Course Scope

MEDIUM VOLTAGE SYSTEM OVERVIEW

Main Switchboard(s)
Generator Paralleling Switchgear
Critical Power Distribution (Computer Substations)
Mechanical Power Distribution (Mechanical Substations)

MV SWITCHGEAR CONTROLS AND ALARMS

Generator Alarm Indications and Responses
Master Control Annunciator Alarm Indications and Responses

SEQUENCE OF OPERATION

Loss of Single Utility
Return from Loss of a Single Utility
Loss of Both Utilities
Return from Loss of Both Utilities

FAILURE MODES

PLC Failure
Main Distribution Breaker Fail to Operate
Generator Switchgear Breaker Fail to Operate
Distribution Substation Breaker Fail to Operate

Course Duration: 8 hours