

Chapter 42 Review: Maintenance of Transmission and Distribution Lines

What should be done to transmission lines after construction, and before they are energized?

What are some of the problems to look for during inspections?

Why should an instrument capable of detecting radio or tv interference be utilized?

What should be performed each time work is done on a distribution pole?

How often should distribution lines be inspected?

What are some common defects in distribution lines?

How often should capacitor banks be inspected? How often should maintenance be performed on them?

Does a capacitor lose its charge immediately after being deenergized?

What should be done to insure a capacitor is safe to handle?

How often should oil circuit reclosers be maintained?

How often should vacuum reclosers be maintained?

What should all reclosers be installed in conjunction with?

When should switches on distribution lines be checked, and what should they be checked for?

When should riser poles be checked?

What is the inspection schedule for underground switchgear?

What are thermal measuring tools used for during inspections?

What should be done for transformers found to be overloaded?

When should pole mounted transformers be inspected?

How often should an underground distribution circuit be inspected?

How are pad mount transformers to be inspected?

What is cable rejuvenation?

How often should street lights be maintained, and what should be looked for during inspection?

When should voltage regulators be inspected, and what should the lineman look for?

What should be performed on a wood pole before climbing?

How long should new treated wood poles resist decay?

If a lineman finds defects in a wood pole, what should happen with other poles of that same type and vintage?

Can poles be damaged by wildlife, and how?

How long is the average life of a treated and maintained pole?

What are the main causes of insulator damage?

How can radio interference be detected?

What are the sources of conductor damage?

How can damaged conductor be repaired?

What can be installed to mitigate vibration?

How is infrared technology utilized to inspect lines?