



Power Transformer Maintenance

Introduction

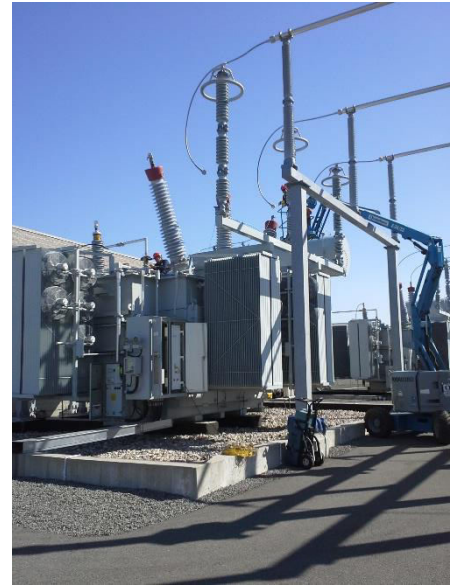
This half day course focuses on power transformers which are a critical part of any power system. Although there are very few or in most cases no moving parts in a power transformer they begin to age as soon as they are first energized. This course focuses on how transformers are constructed, we discuss failure modes and describe test methods that are very effective in the early detection of transformer failure.

When a transformer fails it is usually catastrophic. It will result in extended downtime and tremendous replacement costs that obviously unplanned for. Once you understand the failure modes you can easily relate the tests that can find these issues in their early stages and thus prevent total failure.

Our program is based on:

The program is based on the latest industry maintenance standards in Canada.

- Canadian Standards Association: CSA Z463- Standard for Maintenance of Electrical Systems
- Canadian Standards Association: CSA Z462- Standard for Electrical Safety.
- IEEE-1584- Arc Flash Hazard Calculations
- National Electrical Testing Association (NETA): ANSI/NETA 2019 Standard for Maintenance Testing Specifications



Deliverables

Each student receives three comprehensive binders of reference material including maintenance frequencies, PEARL test standards and test forms.

Who Should Attend:

- Managers
- Supervisors
- Health & Safety Representatives
- Engineers
- Technicians
- Electricians

Objectives:

The successful candidate will be able to:

- Perform multiple tests as per the latest industry standards.
- Be able to recognize deficiencies and take/recommend corrective action.

Course Modules

- Transformer Failure Modes and Frequencies.
- Component Parts
- Visual inspection, cleaning and Lubrication
- Electrical Testing

Quotations

Quotations are available on request. This program can be modified to suit your specific needs by dealing strictly with a specific manufacturer and or type of your choice.

We will be happy to conduct a needs analysis with you to determine your specific requirements.