

NRECA T&D Substation Subcommittee

Mission:

- Work closely with the RUS Liaison to maintain existing and create new RUS and NRECA standards, bulletins and guidelines pertaining to the design, construction and maintenance of Distribution and Transmission Substations.

Projects:

Revision of SPCC Bulletin 1724E-302 “Design Guide for Oil Spill Prevention and Control at Substations”:

- This bulletin provides guidance and assistance in protecting the environment against accidental oil spills. This publication aids the electric borrower in interpreting Federal regulations and developing the necessary documents and oil retention systems to meet these regulations. This publication also is a reference containing fundamental engineering guidelines and basic recommendations on Oil Spill Prevention and Control at Substations, as well as examples, explanations and illustrations.

Deliverable: Guide Bulletin

Expected Completion: Published

This bulletin is can be viewed and downloaded by borrowers and all others connected to Internet at the Rural Development/ Electric Program website:

<http://www.usda.gov/rus/electric/bulletins.htm>

Power Transformer Witnessing Testing Guide:

- Guide designed to advise cooperative engineers on protocols and requirements for witnessing power transformer tests. The guide details tests that should be included in the purchase specification. The overall intent in developing this publication is assisting cooperatives in determining which tests should be performed and witnessed to ensure reliability and mitigate potential liability.

Deliverable: Guide Bulletin

Expected Completion?

Catalog of Alternative Substation Designs (Catalog of Substation Layouts):

- A catalog of non- traditional substation designs geared to provide suggested solutions to specific problems like aesthetics, low profile, underground buses, unit subs, and others. Due to infrequency of such occurrences for individual systems, the heavy workload of cooperative system engineers, and the high cost of engineering consultants, this guide will provide a needed resource in convenient and cost effective fashion.

Deliverable: Catalog
Expected Completion?

Revision of Bulletin 1724E-301 “Guide for Evaluation of Large Power Transformer Losses”:

- The revision of this Bulletin is needed to correct some errors and bring it up to date.
- This bulletin provides guidelines for evaluating transformer losses and including such losses in bid evaluations.
- Committee is working to verify several equations in the Guide Bulletin.

Deliverable: Guide Bulletin
Expected Completion: July 2008