

ABSTRACT

This project report provides the necessary material required to stimulate the Trinidad and Tobago Electricity Commission, herein referred to as "The Commission", to pursue studies in Transformer Load Management.

The basic approach is the methodology to develop:

- (i) a data base for transformer - customer correlation
- (ii) transformer load characteristics
- (iii) peak kilovoltampere - kilowatthours correlations.
- (iv) a Transformer Load Management program, and
- (v) changeout levels.

A field study was done with maximeters in order to show how the already developed correlations could be applied. A comparison of the different correlations was also made in order to offer a guide as to which method to pursue in the development of the correlations for the Commission.