3.0 DENSITY WEIGHTING FACTORS

Density factors have been incorporated as weighting factors for Overhead lines and Transformers, consistent with the customer classes approved by the OEB that are based on Density definitions. The Density definitions have also been approved by the OEB.

For lines, Customer Density weighting factors were developed by calculating for all feeders the number of customers by customer class on each feeder and assigning the total distance of the feeders to the various customer classes proportionally. A similar method was used to develop Demand Density weighting factors, by using energy by customer class by feeder and total energy supplied by feeder to assign the feeder length for each feeder to customer classes proportionally.

For transformers, Customers Density weighting factors were developed by calculating Net Book Value of Transformation Assets by feeder and assigning the total Net Book Value of Transformation assets by feeder to the various customer classes proportionally. A similar method was used to develop Demand Density weighting factors, by using energy by customer class by feeder and total energy supplied by feeder to assign the Net Book Value of Transformation assets for each feeder to customer classes proportionally.

4.0 MODIFICATIONS

Hydro One created a new customer class, Subtransmission (ST) class that includes all Directs, Large Users, most T-class customers, all Embedded LDCs, some three-phase General Service, one Farm customer, some Acquired General Service customers, and some Urban General Service customers. All these customers are directly served at voltages between 44 kV and 13.8 kV, have consumption above 500 kW and provide