

**In reference to Schedule “B”, page 29 of 82 – Chamberlains - Transformer – project cost \$1,250,000:**

**Q. Please provide statistics indicating the exact customer growth base to be anticipated for the years 2003 and beyond in the Chamberlains, Manuels and Topsail areas of Conception Bay South.**

A. Newfoundland Power does not keep statistics indicating the forecast growth in the number of customers by substation. Most of the load growth in the Chamberlains, Manuels and Topsail areas of Conception Bay South is residential in nature. Following is a summary of some recent residential growth in building lots in the areas served by Chamberlains substation:

- Cherry Hill: 128 existing lots with a possible 100 future lots
- Forest Hills: 104 lots
- Eagle Construction: 10 lots
- Blackstrap Path and Sweetenwater: 20 lots
- Jacob’s Creek: 50 lots
- Kenny Property: 8 lots
- Spruce Hill Estates: 20 lots
- Kingswood: 23 lots
- Granville Meadows: 18 existing lots with a possible 25 future lots
- Haley-Metcalf: 8 lots
- Kent Property: 13 lots

The transformer loading is tracked and indicates increased demand due to the increased growth in the area. This historical trend in growth is extrapolated over a forecast period of 5 years to assist in forecasting when transformer loading is likely to be exceeded. The determination of forecast transformer loading is also influenced by data on current and potential customers in an area.

The existing transformer is rated at 25 MVA. In 2001, the peak load at the Chamberlains substation was 25.1 MVA. The historical peaks and forecast peaks for the substation by year are shown in the following table.

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<b>Table 1</b> <b>Transformer Loading at Chamberlains</b>	
<b>Year</b>	<b>Forecast Peak (MVA)</b>
<b>Actual</b>	
<b>1997</b>	22.5
<b>1998</b>	21.9
<b>1999</b>	20.2
<b>2000</b>	21.9
<b>2001</b>	25.1
<b>Forecast</b>	
<b>2002</b>	25.5
<b>2003</b>	26.0
<b>2004</b>	26.6
<b>2005</b>	27.1
<b>2006</b>	27.6
<b>2007</b>	28.1