Upgrade Distribution Feeders, p. B-65, \$2,017,000

Q. Please provide a table outlining: 1) the total expenditures in each year from 2001 to 2005F; 2) a breakdown by feeder serviced of the total cost for each year; 3) a comparison with the budgeted amount of the total cost for each feeder; 4) length of each feeder; and 5) average expenditure per km of each feeder upgraded.

9 A. The table below provides a summary of Distribution Feeder Upgrades for the 10 period 2001 to 2005F. The costs shown for 2005 are the costs incurred to

11 date.

Distribution upgrade projects involve a variety of activities such as: pole replacements and additions, conductor replacements, addition or deletion of equipment, hot line work, de-energized work, temporary generation, special off road equipment, particular environmental constraints, etc. Thus, every project is unique and individually designed and managed. As well, the work may be concentrated in one section of a distribution feeder or system, or it may be spread out over a larger part of the system or geographical area. In summary, the nature and scope of distribution upgrade projects varies to such an extent that the calculation of the average cost per kilometer may not be meaningful.

Project Description Budget Cost Length (km) Average per km	Distribution Upgrades – Summary						
Nipper's Hr - Burlington \$367,000 \$421,239 30 \$14,041.30 Rigolet Upgrading (30 poles re-set) \$30,400 \$30,484 2.0 \$15,242.00 Black Tickle Upgrading (20 poles re-set) \$27,500 \$28,596 1.5 \$19,064.00 Totals \$424,900 \$480,319 2002 St. Anthony Upgrading \$205,600 \$196,556 2.2 \$89,344.00 Cook's Harbour Line Relocation \$555,900 \$480,029 7.5 \$64,003.87 Goose Cove Upgrading \$85,500 \$36,826 10.7 \$3,441.68 Totals \$847,000 \$713,411 2003 Little Bay Upgrading \$317,200 \$293,789 21.5 \$13,644.60 Pass Island Only - Upgrade (Replace 1.8 km of line) Upgrade (Replace 1.8 km of line) Upgrade Distribution Line St. Anthony \$557,000 \$290,138 40.4 \$7,181.64 Totals \$901,200 \$649,868 2004 Upgrade Distribution - St. Anthony/Ship Cove Raleigh \$541,600 \$499,598 23.0 \$21,721.65 Raleigh Totals 541,600 499,598 2005F Cooks Hr Boat Hr. Line Upgrading \$717,500 \$309,084 7 \$44,154.86 Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2 \$83,440.00 Line St. A. L2 \$89,590 \$1.5 \$15,242.00 \$15,242.00 \$19,064.00 \$19,065.00 \$15,242.00 \$19,064.00 \$15,242.00	Year	Project Description	Budget	Cost	_	Average per km	
Poles re-set \$30,400	2001		\$367,000	\$421,239	30	\$ 14,041.30	
Totals		poles re-set)	\$ 30,400	\$ 30,484	2.0	\$ 15,242.00	
St. Anthony Upgrading			\$ 27,500	\$ 28,596	1.5	\$ 19,064.00	
Cook's Harbour Line Relocation \$555,900 \$480,029 7.5 \$64,003.87 Goose Cove Upgrading \$85,500 \$36,826 10.7 \$3,441.68 Totals \$847,000 \$713,411 2003 Little Bay Upgrading \$317,200 \$293,789 21.5 \$13,644.60 Pass Island Only - Upgrade (Replace 1.8 km of line) Upgrade Distribution Line St. Anthony \$557,000 \$290,138 40.4 \$7,181.64 Totals \$901,200 \$649,868 2004 Upgrade Distribution - St. Anthony/Ship Cove Raleigh \$541,600 \$499,598 2005F Cooks Hr Boat Hr. Line Upgrading Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2		Totals	\$424,900	\$480,319			
Relocation \$555,900 \$480,029 7.5 \$64,003.87	2002	St. Anthony Upgrading	\$205,600	\$196,556	2.2	\$ 89,344.00	
Totals			\$555,900	\$480,029	7.5	\$ 64,003.87	
Little Bay Upgrading \$317,200 \$293,789 21.5 \$13,644.60 Pass Island Only - Upgrade (Replace 1.8 km of line) Upgrade Distribution Line St. Anthony \$557,000 \$290,138 40.4 \$7,181.64 Totals \$901,200 \$649,868 2004 Upgrade Distribution - St. Anthony/Ship Cove Raleigh Totals 541,600 \$499,598 23.0 \$21,721.65 Totals 541,600 499,598 23.0 \$21,721.65 Cooks Hr Boat Hr. Line Upgrading Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2 \$635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - S635,600 \$72,450 78 \$72,450 \$78 \$72,450 \$78		Goose Cove Upgrading	\$ 85,500	\$ 36,826	10.7	\$ 3,441.68	
Pass Island Only - Upgrade (Replace 1.8 km of line) Upgrade Distribution Line St. Anthony Totals Tot		Totals	\$847,000	\$713,411			
Upgrade (Replace 1.8 km of line) Upgrade Distribution Line St. Anthony Totals \$901,200 \$649,868 2004 Upgrade Distribution — St. Anthony/Ship Cove Raleigh Totals 541,600 499,598 2005F Cooks Hr Boat Hr. Line Upgrading Distribution Upgrading Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2 Upgrade (Replace 1.8 \$27,000 \$65,941 1.8 \$36,633.89 \$36,633.89 \$40.4 \$7,181.64	2003	Little Bay Upgrading	\$317,200	\$293,789	21.5	\$ 13,644.60	
Line St. Anthony \$557,000 \$290,138 40.4 \$7,181.64 Totals \$901,200 \$649,868 2004 Upgrade Distribution - St. Anthony/Ship Cove Raleigh \$541,600 \$499,598 23.0 \$21,721.65 Totals 541,600 499,598 23.0 \$21,721.65 Cooks Hr Boat Hr. Line Upgrading Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2 \$635,600 \$72,450 78 \$928.85 Totals \$635,600 \$72,450 78 \$928.85 Cooks Hr Boat Hr. Line Upgrading - Northern L'Anse au Loup sys. L1 & L2 \$100		Upgrade (Replace 1.8	\$ 27,000	\$ 65,941	1.8	\$ 36,633.89	
2004 Upgrade Distribution - \$541,600 \$499,598 23.0 \$21,721.65 Totals 541,600 499,598 23.0 \$21,721.65 Solve Solv			\$557,000	\$290,138	40.4	\$ 7,181.64	
St. Anthony/Ship Cove Raleigh \$541,600 \$499,598 23.0 \$21,721.65 Totals 541,600 499,598 2005F Cooks Hr Boat Hr. Line Upgrading \$717,500 \$309,084 7 \$44,154.86 Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2 \$635,600 \$72,450 78 \$928.85		Totals	\$901,200	\$649,868			
2005F Cooks Hr Boat Hr. Line Upgrading \$717,500 \$309,084 7 \$44,154.86 Distribution Upgrading - Northern L'Anse au Loup sys. L1 & L2 \$635,600 \$72,450 78 \$928.85	2004	St. Anthony/Ship Cove	\$541,600	\$499,598	23.0	\$ 21,721.65	
Line Upgrading \$717,500 \$309,084 7 \$44,154.86 Distribution Upgrading - \$635,600 \$72,450 78 \$928.85 Northern L'Anse au Loup sys. L1 & L2		Totals	541,600	499,598			
Northern L'Anse au Loup sys. L1 & L2	2005F		\$717,500	\$309,084	7	\$ 44,154.86	
Totals \$1,353,100 \$381,534		Northern L'Anse au	\$635,600	\$ 72,450	78	\$ 928.85	
		Totals	\$1,353,100	\$381,534			