

1 **B-105 Microwave Quad-Diversity Upgrade, \$114,200**

2 Q. Provide SAIFI, SAIDI and SARI figures for the years 2001 to 2006F for the  
 3 Square Pond Hill/Sunnyside region of the system, showing a comparison to  
 4 the company average for those years.

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7 A. The microwave radio system in the Square Pond Hill/Sunnyside region  
 8 provides a communications path between the Energy Control Centre (ECC)  
 9 in St. John's and the western and central areas of the electrical power  
 10 system. There are eight (8) generating stations and 45 customer delivery  
 11 points controlled and monitored using this path. The failure of this path will  
 12 prevent the ECC from monitoring and controlling these areas until back-up  
 13 communications paths are placed in service. The delivery point SAIFI,  
 14 SAIDI, and SARI figures for the western and central areas are provided  
 15 below.

Data for forced sustained outages from 2001 to 2006 (July 31)

	2001	2002	2003	2004	2005	2006	Average
SAIFI (System)	1.38	1.71	2.03	1.20	1.03	0.53	1.43
SAIFI (West/Central)	1.45	2.02	2.22	1.33	0.95	0.51	1.54
SAIDI (System)	44.00	106.69	167.83	31.80	56.86	33.29	80.07
SAIDI (West/Central)	35.57	123.20	188.43	39.21	62.39	38.31	88.61
SARI (System)	31.90	62.51	82.48	26.58	54.97	63.35	56.02
SARI (West/Central)	24.45	60.91	84.99	29.41	65.36	74.96	57.54

SAIFI (Number per Delivery Point in Period)  
 SAIDI (Minutes per Delivery Point per Period)  
 SARI (Minutes per Interruption)