

In reference to Schedule “B”, page 20 of 82 – replacement and spare substation equipment – at a project cost of \$1,107,000:

Q. Please provide the causes for the interruptions in each particular case.

A. Table 1 provides a summary of the causes for power interruptions from 1997 to 2001 for Marystown (MSY), Frenchman’s Cove (FRN), Gillams (GIL), Blaketown (BLK), Clarenville (CLV), St John’s (SJM), St. George’s (STG), Pasadena (PAS) and Colliers (COL) Substations.

Table 1 Power Interruptions 1997 - 2001									
Reason for Power Interruption	Substations								
	MSY	FRN	GIL	BLK	CLV	SJM	STG	PAS	COL
Animals (Rodents Etc.)	8	14	10	7	6	1	3	38	10
Birds	4	5	3	12		6	3		1
Broken or Defective Equipment	161	72	56	351	62	171	36	36	116
Damages Outside Party	3	2	1	4	4	10		2	3
Employee Operating Error		2				2			2
Fire				2		5	1		1
Generating Plant or System Problem	48	15	8	13	16	88	1	2	4
Improperly Installed Equipment				2		1			3
Lightning	32	5	6	79	6	5	10	8	28
NLH System Problems	12						6		
NP System Problems	4	2			6	14			1
Other	20	19	11	19	5	33	8	5	4
Overloaded Equipment	1		1	5	2	3		2	1
Plant Upgrades	12	7	35	19	5	16	53	12	11
Preventative Maintenance or Repair	68	89	75	41	17	106	94	87	29
Salt Spray	14	7	1			1	67		
Sleet	12			18	2	14	1		1
Snow	2			2		22			
Trees in Line	4	1	3	6	1	3	1	15	8
Underground Dig In								1	
Under Frequency					4	39			
Unexplained	27	9	8	25	15	9	1	8	7
Vandalism							1	4	1
Vehicles									
Water in Equipment or Vaults								1	
Wind			4	14	4	20		31	9