

1 **Q. Project C-76, Replace Battery Banks and Chargers**

2 With respect to Table 1 of the report filed at Volume II, Tab 28, provide the
3 following information:

- 4 ○ Whether the batteries to be replaced at each location are flooded-cell or
5 VRLA;
6 ○ The proposed capital expenditure for each location;
7 ○ The number of batteries at each location which have been tested and found
8 to have a capacity of 80% or less of its rated capacity.

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11 **A. (a)** The following Table 1: Battery Type details the type of battery to be
12 replaced at each location.

Table 1: Battery Type		
#	Location	Battery Type
1	Mary's Harbour Diesel Plant	VRLA
2	Port Hope Simpson Diesel Plant	VRLA
3	Rigolet Diesel Plant	VRLA
4	L'Anse Au Loup Diesel Plant	VRLA
5	Doyles Terminal Station	Flooded
6	Gull Pond Hill Microwave Repeater	VRLA
7	Hopedale Diesel Plant	VRLA
8	Black Tickle Diesel Plant	VRLA
9	Mary's Harbour Diesel Plant	VRLA

14 **(b)** The following Table 2: Location Cost Breakdown details the proposed capital
15 expenditure for each location.

Table 2: Location Cost Breakdown		
#	Location	Costs (\$000)
1	Mary's Harbour Diesel Plant	47.3
2	Port Hope Simpson Diesel Plant	32.2
3	Rigolet Diesel Plant	44.4
4	L'Anse Au Loup Diesel Plant	6.1
5	Doyles Terminal Station	71.7
6	Gull Pond Hill Microwave Repeater	288.1
7	St. Anthony Airport Terminal Station	41.8
8	St. Anthony Diesel Plant	8.7
9	Makkovik Diesel Plant	8.7
10	Hopedale Diesel Plant	58.0
11	Black Tickle Diesel Plant	58.0
Total		665.0

- 1 (c) None of the batteries in this proposal have been capacity tested to
2 determine if it has a capacity of 80 percent or less of its rated capacity. The
3 justification for replacement is based on exceeding the rated service life of
4 the batteries and not waiting for them to degrade below an acceptable
5 performance level before replacement.