

1 Q. For the budget item identified below, provide the following information:

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<i>Budget Item</i>	<i>Amount</i>	<i>Description</i>
B-58	\$828,000	Upgrade Diesel Plant – St. Lewis

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4 (a) Provide more detailed rationale for the upgrading of the diesel plant
5 building.

6 (b) Provide a detailed breakdown of the costs associated with the project.

7 (c) Provide the following for the St. Lewis system for the period 1996-2000:

8 (i) energy sold;

9 (ii) annual peak demand;

10 (iii) capital expenditures;

11 (iv) operating costs; and

12 (v) the number of domestic/commercial customers.

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14 A. (a) The existing facility is of wooden construction and consists of the
15 original diesel hall with subsequent additions to accommodate a
16 storage room, workshop and an office. It is too small to accommodate
17 the increase in generation capacity since it was first constructed in
18 1970.

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20 The diesel hall is very congested and lacks floor area for a laydown
21 space during overhaul of engines, and wall space to accommodate
22 upgrading of electrical systems. As well the low ceiling causes heat
23 entrapment and extreme temperatures during the warmer months.
24 This low ceiling, combined with a lack of wall space, prevents the
25 installation of an adequate ventilation system. There is no fire
26 detection system. The upgrade will also address environmental

1 concerns in that the existing plant does not provide for adequate spill
2 containment.

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4 (b) Specific costs budgeted for this project are as follows:

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6 External Contracts	\$400,000
7 Internal Forces	20,000
8 Land Surveys/Environment	6,000
9 Engineering, Inspection, Proj. Mgmt., Commissioning	145,000
10 Corporate O/H, IDC, Escalation, Contingency	<u>198,000</u>
11 TOTAL	\$769,000
12 Engineering (2002)	<u>\$59,000</u>
13 TOTAL	\$828,000

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15 (c) The following is the information for the St. Lewis system for the period
16 1996 – 2000.

Year	Energy Sold (MWh)	Annual Peak Demand (kW)	Capital Expenditures \$	Operating Cost \$	Customers	
					Domestic	General Service
1996	1674	470	162,200	378,742	108	28
1997	1609	496	--	324,423	105	27
1998	1517	456	2,190	435,774	99	27
1999	1587	464	48,275	450,092	104	27
2000	1686	480	6,339	428,095	105	29