

1 Q. RE: p. B-27 Replacement of Insulators - TL226 (69 kV Deer Lake - Berry Hill)  
2 (\$224,000)

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4 19.1 Of the 65 outages that were experienced in 1999, what were the  
5 causes other than defective insulators and high winds?

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7 19.2 How many outages occurred in 2000? What were the causes?

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9 19.3 What is the total purchase price of the 2000 insulators being  
10 replaced? What portion of the cost is labour? What other costs are  
11 involved?

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14 A. 19.1 The 65 outages noted in p. B-22 of the 2002 Capital Budget occurred  
15 between 1990 and 1999. The causes, other than defective insulators  
16 and high winds, include overloads, under frequency load shedding,  
17 salt contamination and lightning.

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19 19.2 There were three outages on TL 226 in 2000, two resulting from high  
20 winds and the other was a disconnect failure.

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22 19.3 Specific costs budgeted for purchasing and installing the replacement  
23 insulators are as follows:

1	Material Supply	\$70,000
2	Labour	48,000
3	Engineering	20,000
4	Project Management/Environment	30,000
5	Inspection & Commissioning	10,000
6	Corporate O/H, IDC, Esc., Contingency	<u>45,500</u>
7	Total	\$223,500