

1 **Re: Page B-117, Replace Diesel Units, \$334,400**

2 Q. Why will Hydro not wait until after the fifth overhaul to replace the unit at
3 Norman Bay?

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6 A. While it is Hydro's normal practice to replace diesel units after five overhauls,
7 in the case of Norman Bay, which is a particularly small capacity plant, this
8 practice has to be adjusted accordingly. This plant has only three units, all of
9 which have to be available at or near full capacity on a reliable basis. In a
10 very small diesel system, small incremental load changes that occur in the
11 community can have a very significant impact on the loading of the plant due
12 to the sizing of the individual diesel units.

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14 Operating experience has shown that a diesel unit that is close to the end of
15 its useful life and which has already had a number of overhauls is not as
16 reliable as a newer unit and cannot be called upon to produce its full
17 nameplate capacity. A unit that is close to the end of its useful life and which
18 has already had a number of overhauls is not appropriate for continued
19 deployment in a small, three unit plant such as Norman Bay.