

1 **PUB 4.0**

2 **(RE: p. 15 & 16 of 82) Purchase Portable Diesel Generation (\$1,500,000)**

3
4 **PUB 4.1**

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6 **Q. Provide copies of any studies that have been done by the company to determine the**
7 **most effective placement and use of portable generation units.**

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9 A. Attached is a report entitled “Portable Diesel Generation – Reliability Analysis, Sizing
10 and Unit Location Review – October 2002” (Attachment A). The report provides
11 reliability analyses and siting information regarding the purchase of 5 MW of portable
12 diesel generating capacity in increments of 2.5 MW for 2003 and 2.5 MW for 2004.

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14 Also attached is a report entitled “Existing Portable Diesel Generation – Condition
15 Assessment & Review – October 2002” (Attachment B). This report reviews the
16 condition of the two existing portable diesel generation units in Port Aux Basques and
17 recommends their retirement.

18
19 The “Portable Diesel Generation – Reliability Analysis, Sizing and Unit Location Review
20 – October 2002” recognizes three primary benefits of portable generation:

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22
- 23 • Reduced duration of customer outages when the portable generation is deployed to
24 hard-hit areas during sleet storms or similar events;
 - 25 • Reduced duration of customer outages when the portable generation is parked at a site
26 on a default or semi permanent basis and serves as local generation;
 - 27 • Reduced cost of scheduled construction or maintenance work under de-energized
28 conditions.

29 The review proposes locating the portable diesel generating units on a semi-permanent
30 basis either in the Avalon or Stephenville areas.