

PUB 4.0

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

PUB 4.2

Q. Provide information on the age and usage history, as well as the date of the last major overhaul, of the three portable generation units owned by Newfoundland Power Inc. Include copies of any engineering studies and cost benefits analysis relating to the replacement or repair of these units.

A. The age of the three portable generating units is as follows:

	Commissioned Date	Age (years)
Portable Diesel Unit Number 1	1973	29
Portable Diesel Unit Number 2 ¹	1976	26
Portable Gas Turbine	1974	28

¹ retired as a portable unit in 2000.

The Portable Gas Turbine was last overhauled in 1990. Neither of the two portable diesels has had a major overhaul.

The usage history of the Portable Gas Turbine is provided in response to Information Request PUB 2.3. The usage of the two portable diesel generation units for the years 1999 - 2001 is contained in the following table:

	1999	2000	2001
Diesel Unit No. 1			
Number of Times in Operation	14	11	7
Annual Operating Hours	49.5	31.5	12.0
Annual Production (kWh)	28,180	19,460	6,550
Diesel Unit No. 2			
Number of Times in Operation	11	11	6
Annual Operating Hours	47.5	31.0	10.5
Annual Production (kWh)	24,090	15,870	5,680

An analysis of the repair or replacement of Newfoundland Power’s portable diesel units is provided in the response to Information Request PUB 4.1.

1 No analysis has been completed of the repair or replacement of the portable gas turbine.
2 As noted in the response to Information Request PUB 2.2, recent inspection of the
3 portable gas turbine has revealed that the major components of the unit are in good
4 condition.