

1 Q. **Reference: Attachment 1- Long-Term Supply for Southern Labrador - Economic and Technical**
2 **Assessment**

3 Table 4 on page 18 references the projected “Replacement Year” for diesel generating stations
4 in Mary’s Harbour, Port Hope Simpson, and St. Lewis. Are any portions of the existing diesel
5 generating stations reused or salvaged during the replacement process? If so, please identify the
6 typical infrastructure that is reused or salvaged. Please identify the last five diesel generating
7 stations in the province that have been replaced as well as the rationale for doing so.

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10 A. In the majority of cases, when an existing diesel generating station is replaced, the original
11 generating station must provide reliable power until construction of the new generating station
12 is complete. As such, a new site must be used and no critical assets from the original generating
13 station can be taken out of service until that generating station is no longer needed. This makes
14 it impossible to take critical assets from one plant to the other without introducing a significant
15 reliability risk. The only components that could potentially be reused are the fuel storage tanks if
16 the new site is close enough to the old site to tie into the existing piping. There is also the
17 potential to move smaller horizontal fuel tanks from one site to the other if they still had some
18 life remaining.

19 It is possible to reuse some assets from the decommissioned generating station in other
20 locations once the new generating station is online, such as gensets, radiators, and exhaust, but
21 this would be determined on a case-by-case basis depending on condition and remaining life of
22 the assets. An example of this is when a genset from the old generating station in Nain was
23 installed in L’anse au Loup after the new generating station in Nain was put in service.

24 Table 1 summarizes the last five diesel generating stations that have been replaced and the
25 rationale for each replacement.

Table 1: Diesel Generating Station Replacements

Year	Location	Rationale
2006	St. Lewis	<ul style="list-style-type: none"> • Load growth in the community; • Old generating station was too small to house the required larger units; and • Old generating station was a wooden structure, was not up to code, and was in very poor condition.
2002	Nain	<ul style="list-style-type: none"> • Load growth in the community; • Old generating station was too small to house the required larger units; and • Old generating station was a wooden structure, was not up to code, and was in very poor condition.
2001	McCallum	<ul style="list-style-type: none"> • Load growth in the community; • Old generating station was too small to house the required larger units; • Old generating station was a wooden structure, was not up to code, and was in very poor condition; and • Noise issues with old generating station requiring improved sound proofing.
1995	Port Hope Simpson	<ul style="list-style-type: none"> • Load growth in the community; and • Old generating station was too small to house the required larger units.
1994	Mary's Harbour	<ul style="list-style-type: none"> • Replaced due to fire at old plant.