

1 Q. How long will the leased standby diesel generators proposed in this application be
2 able to supply the Holyrood station service using only the onboard fuel tanks?

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5 A. Each tank has sufficient storage capacity to operate the associated standby diesel
6 generator at full load for eight hours. The actual duration will depend on the
7 loading of each diesel unit. There are many stages during a Holyrood unit start-up,
8 with the highest demand occurring when the boiler feed pump is initially energized.
9 At this point in the sequence, there are processes already started and consuming
10 electrical energy. Individual diesel units would be started to meet the increasing
11 demand with all eight diesel units on-line when the start command is triggered for
12 the boiler feed pump. It is anticipated that several more hours will pass before the
13 turbine is synchronized to the grid and is self sustaining. Under this scenario, where
14 the diesel units will operate at reduced load, it is estimated that 24 hours of
15 operation could be achieved before refuelling is needed.