

1 Q. **Reference: Replace Diesel Gensets (2027–2029) – Burnt Dam Spillway**

2 Is it feasible to replace the 3 gensets with 2 gensets?

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5 A. Newfoundland and Labrador Hydro’s assessment determined it is not feasible to operate the
6 Burnt Dam Spillway with two gensets. Burnt Dam Spillway is currently supplied by three diesel
7 generators that serve distinct operational requirements. The 25 kW generator supplies the
8 accommodation facilities during summer operating conditions, the 60 kW generator supplies the
9 accommodation facilities and gate heating system during winter operating conditions, and the
10 75 kW generator is dedicated to gate operations and is sized to accommodate peak site loading
11 conditions, including simultaneous gate operation and maximum camp occupancy. Each unit is
12 independently sized to meet a specific operating requirement.

13 Maintaining three generator units is necessary to satisfy the site's seasonal and operational
14 loading requirements while preserving the operational flexibility and reliability required for safe
15 and reliable operation of the Burnt Dam facility.