

1 Q. **Muskrat Falls to Happy Valley Interconnection, Volume II, Tab 13, Page 7**
2 *“At the North Side Diesel Plant, there is approximately 5 MW of diesel generation,*
3 *but due to the deteriorating condition of the plant, it is not reliable.”*
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5 Would the replacement of the North Side Diesel Plant in 2017 delay the need to
6 proceed with this project in 2018?
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9 A. No, the project would still be required for 2018. The North Side Diesel Plant’s
10 original designed capacity was 11.7 MW based on eight units, but there are only
11 two units currently operational, G7 and G8, for a combined total of 5 MW. A class 5
12 budget estimate was performed for refurbishment and replacement of units to
13 return to the original 11.7 MW capacity; the estimated cost was \$10.1 million. This
14 upgrade to the North Side Diesel Plant would increase the maximum Happy Valley
15 loading capability to approximately 88.7 MW (11.7 MW diesel generation + the
16 current maximum transfer capability of 77 MW). In 2019, the forecasted load
17 increases from 81.4 MW to 93.9 MW due to the anticipated conversion of the
18 Department of National Defense facility to all-electric boilers. This forecast peak
19 exceeds the system’s capacity if only the North Side Diesel Plant were replaced and
20 therefore the restoration of the North Side Diesel plant’s full capacity is insufficient
21 to defer the Muskrat to Happy Valley Interconnection project.