

1 Q. Reference: Refurbish Generation Unit – Snook’s Arm, Volume I, Section D,
2 Appendix B, Page D-78

3 *“At present the efficiency of these units is between 65% and 81%.”*

4 Estimate the lost production from 1993 to present in gigawatt hours for continuing
5 to use these inefficient runners instead of replacing them with 92% efficient
6 runners as suggested in this report.

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9 A. The estimated lost production from 1993 to the present in gigawatt hours for
10 continuing to use these inefficient runners instead of replacing them with 92%
11 efficient runners as suggested in this report is 13 GWh. The total gigawatt
12 production from 1993 until 2013 for the Snook’s Arm plant was 68.2 GWh. In 1993
13 the efficiency of the turbine unit was estimated to be 73% (average of 65% to 81%).
14 If the runner had been replaced at that time with a new one having an efficiency of
15 92%, it is estimated that plant production from 1993 to the present would have
16 increased by approximately 19%.