

- 1 **Q. (Reference Application, LED Street Lighting Replacement Plan, page B-1) Please**
 2 **provide the calculation for the 4 MW reduction in capacity.**
 3
 4 A. Table 1 provides the calculation of the 4 MW reduction in capacity that would result
 5 from replacing Newfoundland Power's remaining HPS street lights with LED street
 6 lights.

**Table 1:
Street Light Capacity Reduction**

HPS Type	Quantity¹	Capacity Reduction² (W)	Total Capacity Reduction (W)
100W	52,012	56	2,912,672
150W	6,412	101	647,612
250W	1,580	187	295,460
400W	474	307	145,518
Total	60,478		4,001,262

¹ See the 2021 Capital Budget Application, Volume 1, LED Street Lighting Replacement Plan, page 5, Table 2.

² See the 2021 Capital Budget Application, Volume 1, LED Street Lighting Replacement Plan, Appendix B – Net Present Value Analysis, page B-1, Table B-1.