

1 Q. **Reliability and Resource Adequacy Study Update, November 15, 2019**

2 Please provide the versions of the following documents (underlying the November 2018 RRAS)
3 for the 2019 update, or the most closely corresponding information if structure or format have
4 changed:

5 a. Modelling Assumptions.

6 b. PLEXOS Loss Calculation.

7 c. Wind Data Update.

8 d. LIL Firm Capacity.

9 e. Reliability Model 2.09.

10 f. Reliability Model 2.13.

11 g. Expansion Model 2.09.

12 h. Island LOLE Calculator.

13 i. Province LOLE Calculator.

14 j. LOLE Calculator – Benchmarking.

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17 A. a. Please refer to PUB-NLH-159, Attachment 1 for “Modelling Assumptions,” provided as an
18 Excel file.

19 b. Please refer to PUB-NLH-159, Attachment 2 for “Plexos Modelled Transmission Line Loss
20 Equations,” provided as an Excel file.

21 c. Please refer to PUB-NLH-159, Attachment 3 for “ELCC Study Results,” provided as an Excel
22 file.

- 1 d. Please refer to PUB-NLH-159, Attachment 4 for “LIL Firm Capacity,” provided as an Excel file.
- 2 e. Please refer to PUB-NLH-159, Attachment 5 for “Reliability Model 2.15S,” provided as an
- 3 Excel file.
- 4 f. Please refer to PUB-NLH-159, Attachment 6 for “Expansion Model 3.08B,” provided as an
- 5 Excel file.
- 6 g. Please refer to PUB-NLH-159, Attachment 7 for “Island LOLE Calculator,” provided as an
- 7 Excel file.
- 8 h. Please refer to PUB-NLH-159, Attachment 8 for “NLIS LOLE Calculator,” provided as an Excel
- 9 file.
- 10 i. Please refer to PUB-NLH-159, Attachment 8 for “NLIS LOLE Calculator,” provided as an Excel
- 11 file.
- 12 j. Please refer to PUB-NLH-159, Attachment 8 for “NLIS LOLE Calculator,” provided as an Excel
- 13 file.

14 Given the methodology used to calculate the Provincial and Island LOLE the benchmarking

15 exercise was no longer required. The updated methodology can be found in the “Island LOLE

16 Calculator” (Attachment 7) and the “NLIS LOLE Calculator” (Attachment 8).

17 The Wind Data Update can be found in the “ELCC Study Results” (Attachment 3).

18 The model used for setting the Planning Reserve Margin is version 2.15S. The Expansion model

19 used in the study was 3.08B.