

1 Q. Reference: RRAS, 2022 Update, Vol. III, page 3 (84 pdf)

2 Citation:

3 A summary of the firm capacity<sup>8</sup> of Hydro's existing generation assets is listed in  
4 Table 1.

**Table 1: Summary of Existing Generation Assets (MW)<sup>9,10</sup>**

<u>Generation Assets</u>	<u>Firm Capacity</u>
<b>Hydraulic Generation</b>	
Muskrat Falls <sup>11</sup>	
Unit 1	196.2
Unit 2	196.2
Unit 3	196.2
Unit 4	196.2
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Subtotal Muskrat Falls <sup>12</sup>	784.6

5 Note 8: Firm capacity refers to the amount of generation capacity available for  
6 production or transmission expected to be available at the annual peak when  
7 the unit is fully operational.

8 Please explain why Hydro considers that each Unit of the Muskrat Falls Generating Facility will  
9 necessarily have 196.2 MW of capacity available at the annual system peak.

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12 A. As outlined in the "Reliability and Resource Adequacy Study – 2022 Update,"<sup>1</sup> the difference in  
13 Installed Capacity and Gross Capacity is related to potential tailrace icing conditions in the Lower  
14 Churchill River during the winter period. This is based on a preliminary analysis and will be  
15 evaluated as operating data is obtained with the dam and generating facility in place. Hydro will  
16 continue to evaluate the operating data as it pertains to Muskrat Falls hydrology and re-evaluate  
17 as required.

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<sup>1</sup> "Reliability and Resource Adequacy Study - 2022 Update," Newfoundland and Labrador Hydro, October 3, 2022, vol. III, sec. 2.1, p. 3, f.n. 12.