

1 Q. **Reference: Section 4: Rates and Regulation, Section 4.6 Rate Stabilization Plan,**  
2 **Pages 4.17 - 4.20**

3 For each hydraulic generation station on the Island Interconnected System from  
4 which power is being purchased, please provide the annual average water flow  
5 through the generating station. Spillage and other flows that do not go through the  
6 generator should be omitted. The flows should include historical averages from all  
7 available sources, such Hydro, Nalcor, the Water Resources Department, files from  
8 the owners prior to the expropriation, etc.

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11 A. Hydro purchases power from the following hydroelectric stations:

- 12 • Star Lake;
- 13 • Grand Falls;
- 14 • Bishop's Falls;
- 15 • Buchans; and
- 16 • Rattle Brook.

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18 Only limited information on flow used for generation is available.

- 19 • The average annual flow through the units at Grand Falls, based on data  
20 from 1998 to 2013, is 6,740 million m<sup>3</sup>;
- 21 • The annual average water flow through Star Lake Generating Station based  
22 on data for the period 2000 to 2013 is estimated to be 478 million m<sup>3</sup>;
- 23 • An estimate of the turbined flows for Bishop's Falls, made using generation  
24 data from 2003 to 2013 and an average conversion factor, is  
25 5,740 million m<sup>3</sup>; and
- 26 • An estimate of the turbined flows for Buchans, made using generation data  
27 from 1998 to 2013 and an average conversion factor, is 350 million m<sup>3</sup>.

- 1 No information regarding flows through the generating station at Rattle Brook is
- 2 available.