

1 Q. (Reference 2017 GRA Volume I, page 2.16) Please provide an update on the net  
2 metering program. For example, how many net metering installations are expected,  
3 the costs and benefits of implementation, and how these costs and benefits have  
4 been incorporated in the cost of service study for the 2018 and 2019 Test Years.

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7 A. Hydro currently does not have any customers participating in the Net Metering  
8 Program. Please refer to CA-NLH-099, Attachment 1 for Hydro's response to CA-  
9 NLH-005(a) from Hydro's Application for Approval of the Implementation of the Net  
10 Metering Program, approved by the Board in Order No. P.U. 27(2017), which  
11 outlines Hydro's expectations on participation.

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13 The Net Metering Program was introduced as a way to provide customers with  
14 options to offset their own energy usage. The 2018 and 2019 Test Year Cost of  
15 Service Studies did not incorporate any changes as a result of the implementation  
16 of the Net Metering Program.

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- 1 Q. (a) What are Hydro's expectations as to how many customers will avail of the  
2 Net Metering Program?  
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- 4 (b) What is the maximum number of Hydro's customers who could participate  
5 in the program, bearing in mind the 5 MW cap?  
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- 7 (c) Hypothetically, if all of Hydro's customers decided to avail of the program,  
8 to a maximum of 100 kW, would that be feasible with a 5 MW cap? For how  
9 many customers would it be feasible in that circumstance?  
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- 11
- 12 A. (a) Hydro is uncertain of the number of Hydro customers that will avail of the  
13 Net Metering Program. Table 1 provides the uptake rates for Net Metering  
14 Programs in other jurisdictions.

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**Table 1 Uptake Rates for Net Metering Programs<sup>1</sup>**

Jurisdiction	Net Metering Customers	Total Customers (Million)	Uptake (%)
California	139,000	11.8	1.18
Vermont	1,000	0.3	0.40
New Jersey	12,000	3.3	0.36
Oregon	4,200	1.4	0.31
Washington	1,250	1.0	0.12
Florida	4,000	9.7	0.04
Ontario	22,521	4.8	0.47
Saskatchewan	400	0.5	0.06
Alberta	400	1.2	0.03
BC Hydro	228	1.8	0.01
Nova Scotia Power <sup>2</sup>	234	0.5	0.05

1 (b) Based upon the data contained in the Navigant Study, customer-owned  
2 generation installations in the range of 5 kW to 7.5 kW are typical<sup>3</sup>.

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4 Based upon these sizes of customer installations, the maximum number of  
5 customers in Newfoundland and Labrador that could avail of the proposed Net  
6 Metering Service Option under a 5 MW cap would be in the range of approximately  
7 600 to 1,000. There is no specific allocation of the 5 MW capacity limit between  
8 Newfoundland Hydro and Newfoundland Power.

<sup>1</sup> Table 7 from page 25, section 7.2 of BC Hydro's Net Metering Evaluation Report No. 3, submitted to the British Columbia Utilities Commission on April 30, 2013.

<https://www.bchydro.com/content/dam/BCHydro/customer-portal/documents/corporate/independent-power-producers-calls-for-power/net-metering/net-metering-evaluation-report-april2013.pdf>.

<sup>2</sup> Number of participants sourced from Newfoundland Power's Net Metering Service Option Application, submitted to the PUB on December 19, 2016, Page 14, Footnote 35.

<http://www.pub.nf.ca/applications/NP2017NetMetering/applications/From%20NP%20-%20Application%20to%20Approve%20a%20Net%20Metering%20Service%20Option%20for%20Customers%20-%202016-12-19.PDF>. Number of customers sourced from Nova Scotia Power's website

<http://www.nspower.ca/en/home/about-us/who-we-are/default.aspx>.

<sup>3</sup> See pre-filed Evidence, Appendix C: *Navigant Net Metering Standard Industry Practices Study*, Pages 37 and 40, which indicates average site installation of approximately 5kW in British Columbia (1.138 MW / 225 = 4.99 kW) and approximately 7.3kW in Nova Scotia (1.152 MW / 157 = 7.34 kW).

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- 1 (c) Net metering systems are typically quite small and are normally in the 5 kW
- 2 to 7.5 KW range. Please refer to Hydro's response to item (b) above.