

1 **Q. (Reference CA-NP-016h)**

2 **It is stated "The Energy Solutions Potential Study being undertaken by the**
 3 **Posterity Group is still ongoing. A copy of the study will be filed with the next**
 4 **Conservation, Demand Management and Electrification Plan, expected in**
 5 **2025." Will this study assess all benefits of smart meters. Will it assess load**
 6 **shifting benefits? Please provide extracts of the portions of the scope of work**
 7 **for this study that will assess the benefits of smart meters.**

8
 9 A. The Energy Solutions Potential Study will assess the cost effectiveness of using dynamic
 10 rates such as time-of-use rates and critical peak pricing, to shift customer load during
 11 system peak.¹ It is not designed to assess all benefits of smart meters.

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 13 Task 4 of the Energy Solutions Potential Study scope of work references dynamic rate
 14 design as a demand management measure.

15
 16 *Posterity Group, in agreement with the Utilities, will develop a list of potential*
 17 *energy efficiency, electrification and demand management measures.²*

18 *Developing a list of these opportunities will include a review of these measures in*
 19 *other North American electric utilities, technology databases, and recent*
 20 *literature regarding energy efficiency, electrification and demand*
 21 *management...To be assessed...the amount of energy reduction, load shifting*
 22 *and energy addition (from electrification) that is capable within the province of*
 23 *Newfoundland and Labrador, by enacting electrification and demand side*
 24 *management measures.*

¹ Cost effectiveness will be assessed by determining how much load can be shifted using dynamic rates, assigning that a value based on marginal capacity costs provided by Newfoundland and Labrador Hydro, and comparing that to the cost of implementing and operating Advanced Metering Infrastructure.

² Dynamic rate design should be considered as a demand management measure.