

1 Q. Does Newfoundland Hydro have any estimation of potential peak load reductions
2 under various time-varying rates and adoption scenarios? If so, please provide any
3 and all studies investigating or analyzing the potential. If not, please provide any
4 current Newfoundland Hydro insights into how best to make such an estimate, or
5 what key factors will affect the levels of peak load reduction available from time-
6 varying rates.

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9 A. No, Hydro does not have estimates of potential peak load reductions under various
10 time-varying rates and adoption scenarios.

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12 Hydro is of the view that some of the key factors in projecting customer response to
13 time of day rates would include: (i) whether the time of day rates would apply on a
14 mandatory or optional basis; (ii) the customer bill impact of being billed on a time
15 of day rate (e.g., the price differential between on-peak and off-peak usage); (iii)
16 the duration of the on-peak period (e.g., a 16 hour on-peak period per day vs. two
17 shorter on-peak periods per day); (iv) whether the customer has flexibility in
18 managing the end-use contributing to a material portion of on-peak usage; and (v)
19 the cost and convenience of using alternative energy sources to reduce on-peak
20 electricity usage.

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22 Hydro also believes adequate customer engagement is critical in order to
23 reasonably estimate what can be achieved through the implementation of time of
24 day rates.