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**Request IR-1:**

**Reference:** EfficiencyOne evidence, July 29, 2022, pages 4-5.

The UK Climate Change Committee's target was, and still is, to reach deployment levels of 600,000 heat pumps per annum in existing homes and 300,000 heat pumps per annum in new homes by 2028, reaching 1 million installations per annum across all homes by 2030. However, even with incentivization through the RHI tariffs, heat pump deployment has fallen consistently below expectations. To highlight this issue, the Regulatory Assistance Project ("RAP") noted in its report, entitled "Getting on Track to Net Zero" that "the 2013 impact assessment for the domestic scheme suggested that the that the domestic RHI would support 491,000 heat pumps by the original end of the scheme in April 2021. At the end of November 2020, however, only 62,492 heat pumps had been accredited.

E1 offers rebates for heat pump installation in Nova Scotia. Please provide the following data on an annual basis, along with all supporting data for the time period from when heat pump rebates were first offered to the end of the most recently filed DSM plan (2025):

- (a) Number of forecast and actual heat pump installations by year.
- (b) The forecast and actual total energy consumption and demand associated with these installations by year (kWh and kW demand associated with each heat pump installation or overall).
- (c) The forecast and actual energy and demand savings for heat pump installations by year.
- (d) The forecast and actual incentive (\$) totals associated with heat pump installations by year.
- (e) The average coefficient of performance (COP) of heat pumps installed by year.

**Request IR-2:**

**Reference:** EfficiencyOne evidence, July 29, 2022, page 9 of 14.

E1 recommends that NS Power explore electrification scenarios that maintain or expand the use of the following technologies:

- electric thermal storage (ETS) units to shift load to off-peak times and offer grid flexibility;
- wood and pellet stoves as supplemental heat for peak times; and

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- 1           •       gas heating systems as supplemental heat for peak times.

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3 E1 states that they provide rebates on wood/pellet stoves and ETS units. For each of those, please  
4 provide the following data on an annual basis, along with all supporting data for the time period  
5 from when rebates were first offered on these technologies to the end of the most recently filed  
6 DSM plan (2025):

7 (a)     Number of forecast and actual installations by year.

8 (b)     The forecast and actual total energy consumption and demand associated with the ETS  
9         installations by year (kWh and kW demand associated with each ETS installation or  
10        overall).

11 (c)     The forecast and actual energy and demand savings for both ETS and wood/pellet stove  
12         installations by year.

13 (d)     The forecast and actual incentive (\$) totals associated for both ETS and wood/pellet stove  
14         installations by year.

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