

E1 Responses to NS Power Information Requests
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Request IR-01:

Reference: EfficiencyOne evidence, July29, 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.**

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(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.

Response IR-01:

EfficiencyOne has historically included residential heat pump measures through the Home Energy Assessment, and New Home Construction program components, however heat pump specific data is more readily available for the Green Heat program component. This IR response includes information specific to the Green Heat program component.

(a) Please refer to the table below for forecast and actual heat pump installations by year for the Green Heat program component:

Year	Forecast Number of Installations	Actual Number of Installations
2012	M03669, E-9 (C), ENSC (Synapse) RIR-01 Attachment 1 - Tab ‘Res-Exist’ - Rows 47, 48, 49, 50 - Column AY	M04819, Other Documents-12010, 2012 DSM Evaluation Reports, Fuel Substitution, Table 25, page 40.
2013	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘Units’ - Rows 67, 68, 69, 70 - Column J	M06247, E-5, 2013 DSM Evaluation Reports, Green Heat, Table 28, page 30.
2014	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘Units’ - Rows 67, 68, 69, 70 - Column K	M06733, E-2, 2014 DSM Evaluation Reports, Green Heat, Table 16, page 23.
2015	n/a (2015 DSM Plan was not modelled)	M07393, E-1, 2015 DSM Evaluation Reports, Green Heat, Table 13, page 29.
2016	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 - Row 243; (Column AA*1000)/(Column E*Column N) - Row 244; (Column AA*1000)/(Column E*Column N)	M07964, E-1, 2016 DSM Evaluation Reports, Existing Residential Program, Table 27, page 61.

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Year	Forecast Number of Installations	Actual Number of Installations
2017	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 - Row 243; (Column AM*1000)/(Column E*Column N) - Row 244; (Column AM*1000)/(Column E*Column N)	M08604, E-2, 2017 DSM Evaluation Reports, Existing Residential Program, Table 48, page 93.
2018	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 - Row 243; (Column AY*1000)/(Column E*Column N) - Row 244; (Column AY*1000)/(Column E*Column N)	M09096, E-5, 2018 DSM Evaluation Reports, Existing Residential Program, Table 29, page 46.
2019	n/a (2019 DSM Plan was not modelled)	M09651, E-1, 2019 DSM Evaluation Reports, Existing Residential Program, Table 34, page 60.
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables - Rows 242, 243, 245, 246 - Column AB	M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 30, page 44.
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables - Rows 242, 243, 245, 246 - Column AN	M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 33, page 43.
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables - Rows 242, 243, 245, 246 - Column AZ	n/a
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 254, 255, 256, 257 - Column Z	n/a
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 254, 255, 256, 257 - Column Z	n/a
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 254, 255, 256, 257 - Column Z	n/a

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- 2 (b) E1 has projected and actual total energy and demand savings from heat pump installations
- 3 by year as provided in measure level technical tables associated with DSM Plans and annual

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evaluation reports respectively. E1 does not track the forecast or actual energy consumption or demand associated with heat pump installations in the Green Heat program component.

(c) Please refer to the table below for the forecast and actual net energy and demand savings for heat pump installations in Green Heat by year.

Year	Forecast Energy Savings	Forecast Demand Savings	Actual Energy Savings	Actual Demand Savings
2012	M03669, E-9 (C), ENSC (Synapse) RIR-01 Attachment 1 - Tab ‘2 Res-ExistHome Prog Results’ - Rows 21, 22, 23, 24		M04819, Other Documents-12010, 2012 DSM Evaluation Reports, Fuel Substitution, Table 26, page 43.	
	Column E	Column D		
2013	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘2 Res-ExistHome + LI Prog Results’ - Rows 16, 17		M06247, E-5, 2013 DSM Evaluation Reports, Green Heat, Table 29, page 33.	
	Column F	Column E		
2014	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘2 Res-ExistHome + LI Prog Results’ - Rows 16, 17		M06733, E-2, 2014 DSM Evaluation Reports, Green Heat, Table 17, page 25.	
	Column L	Column K		
2015	n/a (2015 DSM Plan was not modelled)		M07393, E-1, 2015 DSM Evaluation Reports, Green Heat, Table 14, page 32.	
2016	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 243, 244		M07964, E-1, 2016 DSM Evaluation Reports, Existing Residential Program, Table 28, page 64.	
	Column AA	Column Z		
2017	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 243, 244		M08604, E-2, 2017 DSM Evaluation Reports, Existing Residential Program, Table 51, page 99.	
	Column AM	Column AL		
2018	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 243, 244		M09096, E-5, 2018 DSM Evaluation Reports, Existing Residential Program, Table 31, page 51.	
	Column AY	Column AX		

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Year	Forecast Energy Savings	Forecast Demand Savings	Actual Energy Savings	Actual Demand Savings
2019	n/a (2019 DSM Plan was not modelled)		M09651, E-1, 2019 DSM Evaluation Reports, Existing Residential Program, Table 36, page 65.	
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables		M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 33, page 50.	
	• Rows 242, 243, 245, 246	• Column AD		
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables		M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 36, page 49.	
	• Rows 242, 243, 245, 246	• Column AP		
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables		n/a	
	• Rows 242, 243, 245, 246	• Column BB		
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables		n/a	
	• Rows 254, 255, 256, 257	• Column AB		
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables		n/a	
	• Rows 254, 255, 256, 257	• Column AB		
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables		n/a	
	• Rows 254, 255, 256, 257	• Column AB		

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- 2 (d) Please refer to the table below for forecast and actual incentive levels for heat pumps in
- 3 Green Heat.

Year	Forecast Incentive Level	Actual Incentive Level
2012	M03669, E-9 (C), ENSC (Synapse) RIR-01 Attachment 1 • Tab ‘Res-Exist’ • Rows 47, 48, 49, 50 • Column X	Central Ducted Air Source Heat Pumps: 20% rebate was provided to a maximum of \$900. Ground Source Heat Pump: 20% rebate was provided to a maximum of \$2,500

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Year	Forecast Incentive Level	Actual Incentive Level
2013	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘Mea-In’ - Rows 67, 68, 69, 70 - Columns Z, AJ	Central Ducted Air Source Heat Pumps: 30% rebate was provided to a maximum of \$1,500 Ground Source Heat Pump: 40% rebate was provided to a maximum of \$2,500
2014	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘Mea-In’ - Rows 67, 68, 69, 70 - Columns Z, AJ	Central Ducted Air Source Heat Pumps: 30% rebate was provided to a maximum of \$1,500 Ground Source Heat Pump: 40% rebate was provided to a maximum of \$2,500
2015	n/a (2015 DSM Plan was not modelled)	January 1, 2015 – October 1, 2015: Central Ducted Air Source Heat Pumps: 30% rebate was provided to a maximum of \$1,500 Ground Source Heat Pump: 40% rebate was provided to a maximum of \$2,500 October 2, 2015 – December 31, 2015: Ductless Muni-Split Heat Pump: \$300 rebate for First Head and \$150 rebate for each subsequent head or system.
2016	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Row 243, 244; Column G*Column H	Ductless Mini-Split Heat Pump: \$300 rebate for First Head and \$150 rebate for each subsequent head or system. Central Ducted Heat Pump: \$1,400 Air to Water Heat Pump: \$1,400 Ground Source Heat Pump: \$1,900
2017	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Row 243, 244; Column G*Column H	M08604, E-2, 2017 DSM Evaluation Reports, Existing Residential Program, Table 20, page 34.
2018	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Row 243, 244; Column G*Column H	M09096, E-5, 2018 DSM Evaluation Reports, Existing Residential Program, Table 22, page 31.
2019	n/a (2019 DSM Plan was not modelled)	M09651, E-1, 2019 DSM Evaluation Reports, Existing Residential Program, Table 27, page 45.
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 255, 256, 257; Column J*Column K	M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 24, page 32.
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 255, 256, 257; Column J*Column K	M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 26, page 29.

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Year	Forecast Incentive Level	Actual Incentive Level
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 248, 255, 256, 257; Column J*Column K	n/a
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 254, 255, 256, 257 • Column K	n/a
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 254, 255, 256, 257 • Column K	n/a
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 254, 255, 256, 257 • Column K	n/a

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- 2 (e) Please refer to the table below for the average coefficient of performance (COP) at -15
- 3 degrees Celsius of mini-split heat pumps installed by year in the Green Heat program
- 4 component. E1 has this information available beginning in 2015.

Year	Average COP of Installations
2015	2.28
2016	2.30
2017	2.22
2018	2.22
2019	2.36
2020	2.19
2021	2.20

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Request IR-02:

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**
- **gas heating systems as supplemental heat for peak times.**

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

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

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

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

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

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Response IR-02:

EfficiencyOne has historically included residential wood/pellet stoves and ETS units (since 2020) through the Home Energy Assessment, and New Home Construction program components, however wood/pellet stove and ETS specific data is more readily available for the Green Heat program component. This IR response includes information specific to the Green Heat program component.

(a) Please refer to Table 1 below for forecast and actual wood/pellet stove and Table 2 for forecast and actual ETS unit installations by year for the Green Heat program component.

Table 1

Year	Forecast Number of Wood/Pellet Stove	Actual Number of Wood/Pellet Stove
2012	M03669, E-9 (C), ENSC (Synapse) RIR-01 Attachment 1 • Tab ‘Res-Exist’ • Rows 63, 66 • Column AY	M04819, Other Documents-12010, 2012 DSM Evaluation Reports, Fuel Substitution, Table 25, page 40.
2013	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 • Tab ‘Units’ • Rows 71, 77 • Column J	M06247, E-5, 2013 DSM Evaluation Reports, Green Heat, Table 28, page 30.
2014	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 • Tab ‘Units’ • Rows 71, 77 • Column K	M06733, E-2, 2014 DSM Evaluation Reports, Green Heat, Table 16, page 23.
2015	n/a (2015 DSM Plan was not modelled)	M07393, E-1, 2015 DSM Evaluation Reports, Green Heat, Table 13, page 29.
2016	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 • Row 238; (Column AA*1000)/(Column E*Column N) • Row 240; (Column AA*1000)/(Column E*Column N)	M07964, E-1, 2016 DSM Evaluation Reports, Existing Residential Program, Table 27, page 61.
2017	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 • Row 238; (Column AM*1000)/(Column E*Column N) • Row 240; (Column AM*1000)/(Column E*Column N)	M08604, E-2, 2017 DSM Evaluation Reports, Existing Residential Program, Table 48, page 92.

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Year	Forecast Number of Wood/Pellet Stove	Actual Number of Wood/Pellet Stove
2018	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 - Row 238; (Column AY*1000)/(Column E*Column N) - Row 240; (Column AY*1000)/(Column E*Column N)	M09096, E-5, 2018 DSM Evaluation Reports, Existing Residential Program, Table 29, page 45.
2019	n/a (2019 DSM Plan was not modelled)	M09651, E-1, 2019 DSM Evaluation Reports, Existing Residential Program, Table 34, page 59.
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables. - Rows 248, 252 - Column AB	M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 30, pages 44 & 45.
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables. - Rows 248, 252 - Column AN	M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 33, page 44 & 45.
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables. - Rows 248, 252 - Column AZ	n/a
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 260, 261, 269, 270 - Column Z	n/a
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 260, 261, 269, 270 - Column Z	n/a
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 260, 261, 269, 270 - Column Z	n/a

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Table 2

Year	Forecast Number of ETS	Actual Number of ETS
2012	n/a	n/a
2013	n/a	n/a
2014	n/a	n/a
2015	n/a	n/a
2016	n/a	n/a
2017	n/a	n/a

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Year	Forecast Number of ETS	Actual Number of ETS
2018	n/a	n/a
2019	n/a	n/a
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 157, 158 • Column AB	M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 30, pages 44 & 45.
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 157, 158 • Column AN	M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 33, page 44 & 45.
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 157, 158 • Column AZ	n/a
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 263, 264 • Column Z	n/a
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 263, 264 • Column Z	n/a
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 263, 264 • Column Z	n/a

(b) E1 has projected and actual total energy and demand savings for both ETS and wood/pellet stove installations by year as provided in measure level technical tables associated with DSM Plans and annual evaluation reports respectively. E1 does not track the forecast or actual energy consumption or demand associated with ETS or wood/pellet stove installations in the Green Heat program component.

(c) Please refer to Table 1 below for the forecast and actual net energy and demand savings for wood/pellet stove installations in Green Heat by year and Table 2 for this information related to ETS unit installations.

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1 Table 1

Year	Forecast Energy Savings Wood/Pellet Stove	Forecast Demand Savings Wood/Pellet Stove	Actual Energy Savings Wood/Pellet Stove	Actual Demand Savings Wood/Pellet Stove
2012	M03669, E-9 (C), ENSC (Synapse) RIR-01 Attachment 1 - Tab ‘2 Res-ExistHome Prog Results’ - Rows 33, 26		M04819, Other Documents-12010, 2012 DSM Evaluation Reports, Fuel Substitution, Table 26, page 43.	
	Column E	Column D		
2013	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘2 Res-ExistHome + LI Prog Results’ - Rows 18, 24		M06247, E-5, 2013 DSM Evaluation Reports, Green Heat, Table 29, page 33.	
	Column F	Column E		
2014	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 - Tab ‘2 Res-ExistHome + LI Prog Results’ - Rows 18, 24		M06733, E-2, 2014 DSM Evaluation Reports, Green Heat, Table 17, page 25.	
	Column L	Column K		
2015	n/a (2015 DSM Plan was not modelled)		M07393, E-1, 2015 DSM Evaluation Reports, Green Heat, Table 14, page 32.	
2016	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 238, 240		M07964, E-1, 2016 DSM Evaluation Reports, Existing Residential Program, Table 28, page 64.	
	Column AA	Column Z		
2017	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 238, 240		M08604, E-2, 2017 DSM Evaluation Reports, Existing Residential Program, Table 51, page 98.	
	Column AM	Column AL		
2018	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 238, 240		M09096, E-5, 2018 DSM Evaluation Reports, Existing Residential Program, Table 31, page 50.	
	Column AY	Column AX		
2019	n/a (2019 DSM Plan was not modelled)		M09651, E-1, 2019 DSM Evaluation Reports, Existing Residential Program, Table 36, page 64.	
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 252		M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 33, page 50.	
	Column AD	Column AC		
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 252		M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 36, page 50.	
	Column AP	Column AO		

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Year	Forecast Energy Savings Wood/Pellet Stove	Forecast Demand Savings Wood/Pellet Stove	Actual Energy Savings Wood/Pellet Stove	Actual Demand Savings Wood/Pellet Stove
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 252		n/a	
	Column BB	Column BA		
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables Rows 260, 261, 269, 270		n/a	
	Column AB	Column AA		
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables Rows 260, 261, 269, 270		n/a	
	Column AB	Column AA		
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables Rows 260, 261, 269, 270		n/a	
	Column AB	Column AA		

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Table 2

Year	Forecast Energy Savings ETS Unit Installations	Forecast Demand Savings ETS Unit Installations	Actual Energy Savings ETS Unit Installations	Actual Demand Savings ETS Unit Installations
2012	n/a	n/a	n/a	n/a
2013	n/a	n/a	n/a	n/a
2014	n/a	n/a	n/a	n/a
2015	n/a	n/a	n/a	n/a
2016	n/a	n/a	n/a	n/a
2017	n/a	n/a	n/a	n/a
2018	n/a	n/a	n/a	n/a
2019	n/a	n/a	n/a	n/a
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 157, 158		M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 33, page 51.	
	Column AD	Column AC		
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 157, 158		M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 36, page 51.	
	Column AP	Column AO		

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2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables	n/a
	• Rows 157, 158 • Column BB • Column BA	
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables	n/a
	• Rows 263, 264 • Column AB • Column AA	
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables	n/a
	• Rows 263, 264 • Column AB • Column AA	
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables	n/a
	• Rows 263, 264 • Column AB • Column AA	

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- 2 (d) Please refer to Table 1 below for forecast and actual incentive levels for wood/pellet stoves
- 3 and Table 2 for this information related to ETS units in Green Heat.
- 4

5 Table 1

Year	Forecast Incentive Level Wood/Pellet Stoves	Actual Incentive Level Wood/Pellet Stoves
2012	M03669, E-9 (C), ENSC (Synapse) RIR-01 Attachment 1 • Tab ‘Res-Exist’ • Rows 63, 66 • Column X	Wood/Pellet: \$900 or up to 20% of the total equipment and installation costs, whichever is lower.
2013	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 • Tab ‘Mea-In’ • Rows 71, 77 • Columns Z, AJ	Wood/Pellet: 20% rebate was provided to a maximum of \$600. Advanced automatic pellet Equipment: 40% rebate was provided to a maximum of \$2,500.
2014	M04819, E-7 (C), ENSC (Avon) RIR-11 Attachment 1 • Tab ‘Mea-In’ • Rows 71, 77 • Columns Z, AJ	Wood/Pellet: 20% rebate was provided to a maximum of \$600. Advanced automatic pellet Equipment: 40% rebate was provided to a maximum of \$2,500.
2015	n/a (2015 DSM Plan was not modelled)	January 1, 2015 - October 1, 2015:

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Year	Forecast Incentive Level Wood/Pellet Stoves	Actual Incentive Level Wood/Pellet Stoves
		Wood/Pellet: 20% rebate was provided to a maximum of \$600. Advanced automatic pellet Equipment: 40% rebate was provided to a maximum of \$2,500. October 2, 2015 - December 31, 2015: Wood/Pellet: \$500 per unit installed.
2016	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Row 238, 240; Column G*Column H	Wood/Pellet: \$500 per unit installed.
2017	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 238, 240; Column G*Column H	M08604, E-2, 2017 DSM Evaluation Reports, Existing Residential Program, Table 20, page 34.
2018	M06733, E-7 E1 (NSPI) RIR-10 Attachment 1 Rows 238, 240; Column G*Column H	M09096, E-5, 2018 DSM Evaluation Reports, Existing Residential Program, Table 22, page 31.
2019	n/a (2019 DSM Plan was not modelled)	M09651, E-1, 2019 DSM Evaluation Reports, Existing Residential Program, Table 27, page 45.
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 252; Column J*Column K	M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 24, page 32.
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 252; Column J*Column K	M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 26, page 29.
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables Rows 248, 252; Column J*Column K	n/a
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 260, 261, 269, 270 - Column K	n/a
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables - Rows 260, 261, 269, 270 - Column K	n/a

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Year	Forecast Incentive Level Wood/Pellet Stoves	Actual Incentive Level Wood/Pellet Stoves
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 260, 261, 269, 270 • Column K	n/a

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2

Table 2

Year	Forecast Incentive Level ETS	Actual Incentive Level ETS
2012	n/a	n/a
2013	n/a	n/a
2014	n/a	n/a
2015	n/a	n/a
2016	n/a	n/a
2017	n/a	n/a
2018	n/a	n/a
2019	n/a	n/a
2020	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 157; Column J*Column K • Row 158; Column J*Column K	M10056, E-1, 2020 DSM Evaluation Reports, Existing Residential Program, Table 24, page 32.
2021	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 157; Column J*Column K • Row 158; Column J*Column K	M10473, E-2, 2021 DSM Evaluation Reports, Existing Residential Program, Table 26, page 29.
2022	M09096 E-1(i) Appendix A Attachment 1 Technical Tables • Rows 157; Column J*Column K • Row 158; Column J*Column K	n/a
2023	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 263, 264 • Column K	n/a
2024	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 263, 264 • Column K	n/a
2025	M10473 E-1(i) Appendix A Attachment 4 2023-2025 Settlement Plan Measure Level Energy Efficiency Technical Tables • Rows 263, 264 • Column K	n/a