

NOVA SCOTIA UTILITY AND REVIEW BOARD**IN THE MATTER OF: THE PUBLIC UTILITIES ACT****- and -****IN THE MATTER OF: AN APPLICATION by EfficiencyOne for Approval of the 2027–2031 Demand-Side Management (DSM) Purchase Agreement between EfficiencyOne and Nova Scotia Power Inc., the establishment of a final agreement between the parties, and approval of a 2027–2031 Demand Side Management (DSM) Resource Plan.****RESPONSE TO UNDERTAKING FOR SYNAPSE ENERGY ECONOMICS****To: Nova Scotia Energy Board****From: Synapse Energy Economics, Inc.
Board Counsel Consultant****Responses Due: August 21, 2026****Copies: 1 electronic copy – pdf searchable****Contact person: Alice Napoleon
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Issued at Halifax, Nova Scotia, this 21st day of August, 2026


for Crystal Henwood, Clerk of the Board

U-16 Description:

To confirm whether in Table 3 of E-23, page 26, the total PAC cost includes enabling strategies. If not, show the revised PAC scores for the portfolio (both with and without strategic electrification) to reflect the inclusion of enabling strategies costs.

Synapse Response:

Table 3 on page 26 of Alice Napoleon's evidence does not include Enabling Strategies (ES). The labels on the total rows in the evidence incorrectly note that ES is included when ES is not included.

Please find an updated version of Table 3 below with ES included. The new and updated rows are highlighted (rows 4, 5, 10, and 16) and the costs and benefits are rounded to the nearest whole number (without the decimal, as was provided in the original table) to make the table easier to read. Also, as ES is not broken out by Residential and BNI in the source tables, ES is not included in the totals for Residential and BNI (also highlighted in the labels of rows 11, 12, 17, and 18).

The inclusion of ES decreases the PAC and Modified PAC Test benefit cost ratios somewhat as compared to the original version of this table presented in the evidence. In the original version of this table, the PAC and Modified PAC Test benefit cost ratios for Total (EE + ES + DR + PV) were incorrectly shown to be 2.6. In the version provided in this undertaking response, these values are 2.4 (see row 10). In the original version of this table in the evidence, the PAC and Modified PAC Test benefit cost ratios for Total (EE + ES + DR + PV + SE) were 2.5 and 2.3, respectively. In the correct version below, these values are 2.3 and 2.2, respectively (see row 16).

UPDATED Table 1. Cost-Effectiveness of 2027-2031 DSM Plan Plus SE (Round 2)

Row #	DSM Category	PAC Costs (\$)	Modified-PAC Costs (\$)	PAC Lifetime Benefits (\$)	Modified-PAC Lifetime Benefits (\$)	PAC Test	Modified-PAC Test
1	EE	\$258	\$258	\$709	\$709	2.8	2.8
2	EE Residential	\$145	\$145	\$264	\$264	1.8	1.8
3	EE BNI	\$113	\$113	\$445	\$445	3.9	3.9
4	ES	\$29	\$29	n/a	n/a	n/a	n/a
5	Total (EE + ES)	\$287	\$287	\$709	\$709	2.5	2.5
6	DR	\$29	\$29	\$54	\$54	1.9	1.9
7	DR Residential	\$10	\$10	\$8	\$8	0.8	0.8
8	DR BNI	\$19	\$19	\$46	\$46	2.5	2.5
9	PV (Residential only)	\$3	\$3	\$3	\$3	1.1	1.1
10	Total (EE + ES + DR + PV)	\$319	\$319	\$767	\$767	2.4	2.4
11	Total Residential (w/o ES)	\$158	\$158	\$276	\$276	1.7	1.7
12	Total BNI (w/o ES)	\$132	\$132	\$491	\$491	3.7	3.7
13	Strategic Electrification (Round 2)	\$12	\$55	\$0	\$38	0.0	0.7
14	SE Residential	\$4	\$8	\$0	\$5	0.0	0.6
15	SE BNI	\$9	\$47	\$0	\$33	0.0	0.7
16	Total (EE + ES + DR + PV + SE)	\$331	\$373	\$767	\$805	2.3	2.2
17	Total Residential (w/o ES)	\$162	\$166	\$276	\$280	1.7	1.7
18	Total BNI (w/o ES)	\$140	\$178	\$491	\$524	3.5	2.9

Sources:

- EE, ES, DR, PV, and Total (EE + ES + DR + PV): E1 2027-2031 DSM Plan, Appendix A: Preferred Plan, Tables 9-13.
- SE (Round 2): E1's response to Synapse IR-02, Attachment 2, Table 10: 1SE-Base – Round 2 Modelling Results, pg. 15 of 26.
- Total (EE + ES + DR + PV + SE): Sum of Total (EE + ES + DR + PV) and SE (Round 2).