

SMALL BUSINESS UTILITY ALLIANCE (SBUA)

Answers to Interrogatories from
Federation of Rental-housing Providers of Ontario (FRPO)

10-FRPO-SBUA-1

Ref: Exhibit L.SBUA.1, pg.17-29

Preamble: In the SBUA evidence on Optimal Program Design, many Figures are presented showing program spending, savings, etc. over time. We are interested in reviewing the data behind the figures and some comparative statements on Direct Install offerings.

1) For each of the Figures in this section, please provide a reference to the source data used.

Response:

The sources for all the figures (Fig. 1 – 9) were provided by Enbridge Gas as interrogatory responses:

Spending values came from: I.6.EGI.STAFF.13_Attachment 1

Savings values came from: I.5.EGI.GEC.6_Attachment 1

Provided by: Francis Wyatt, Theodore Love (GEEG)

10-FRPO-SBUA-2

Pg. 23: *"While these are all fine measures, there are many more cost-effective measures that could be offered in this program that have broader application, such as adaptive thermostats, boiler tune-ups, and hot water saving measures."*

2) Please provide supporting data or studies to support this submission.

Response:

While we have not performed any cost-effectiveness analysis on these measures for Enbridge's territory, in our experience, these measures are a common part of many, if not most, gas efficiency DSM programs.

Enbridge already includes many of these measures in its residential offerings. Adaptive thermostats and hot water saving measures (showerheads and aerators) are included in Enbridge's Low Income Direct Install Program (Enbridge evidence, Exhibit E, Tab 1, Schedule 3, Page 12 of 20). Adaptive thermostats are also part of the Smart Home offering (Enbridge Evidence, Exhibit E, Tab 1, Schedule 2, Page 19 of 22).

Boiler tune-ups have a long history as a measure in DSM programs. The Consortium for Energy Efficiency (CEE) found 10 program administrators offering this measure in 2012.¹ More recently DTE in Michigan highlighted gas furnace/boiler tune-ups as a major source of savings in its commercial and industrial (C&I) program.² In Minnesota, CenterPoint, a gas only utility, is projecting to source approximately 18% of the savings in its Commercial & Industrial Heating and Water Heating Rebates program for 2021 to 2023 from boiler tune-ups.³

Provided by: Francis Wyatt, Theodore Love (GEEG)

¹ <https://www.aceee.org/files/proceedings/2012/data/papers/0193-000128.pdf>, pg. 5

² <https://www.newlook.dteenergy.com/wps/wcm/connect/dac12d4d-f194-4632-83b0-7206c4fe149c/EWR-Annual-Report.pdf?MOD=AJPERES>, pg. 44

³ Centerpoint 2021, pg. 107 – 110.

1,840 tune boiler tune-ups per year, with savings of 71.31 Dth per tune-up, for 131,210 Dth per year, which is ~18% of the average annual savings of 743,500 DTh for the program.