



MEMORANDUM

TO: Low Income Consumer Advisory Task Force

FROM: Denise Kuehn and Liz Jambor

DATE: March 25, 2015

SUBJECT: Single Family Energy Efficiency Data

Attached is the response to a question posed by Chris Strand. The question was:

Average per home retrofitted within the past three years (using actual utility bills and normalized weather data)

- a) \$/kw customer savings with weatherization retrofits and total yearly cost before and after retrofits
- b) \$/kw customer savings with weatherization and HVAC retrofits and total yearly cost before and after retrofits
- c) \$/kw customer savings with weatherization, refrigerator and HVAC retrofits and total yearly cost before and after retrofits
- d) Number of days to complete for each of the above three scenarios
- e) Rental vs owned for each of the above first three scenarios
- f) Average cost per home for each of the above first three scenarios
- g) Payback in years
- h) Provide each measure \$/kw and \$/kwh savings

The data aligns with the question as we are able to collect and provide the data. If you have any further questions, please let us know.

Response to Question 1**Submitted by Chris Strand****12/14/2014**

Metric	AE Rebate	Gas Rebate	Deemed kW	HVAC Cost	HVAC Rebate	HVAC New Seer	Attic Insulation Cost
Average	\$1,623	\$293	0.87	\$7,721	\$730	16	\$1,169
Median	\$1,913	\$329	0.96	\$6,723	\$650	16	\$1,111

Metric	Attic Insulation Rebate	Existing R Value	R Value Added	Radiant Barrier Cost	Radiant Barrier Rebate	Comp Cost	Comp Rebate
Average	\$158	15	24	\$458	\$18	\$820	\$251
Median	\$160	15	24	\$0	\$0	\$749	\$228

Metric	Screen Cost	Screen Rebate	Window Cost	Window Rebate	Sys Perf Cost	Sys Perf Rebate	Duct Replace Cost
Average	\$677	\$108	\$3,665	\$18	\$373	\$129	\$1,642
Median	\$450	\$80	\$786	\$0	\$316	\$200	\$1,500

Metric	Duct Replace Rebate	Duct Replace Gas Rebate	Duct Insulation Cost	Duct Insulation Rebate	Drape/Bury Cost	Drape/Bury Rebate	WX Bonus
Average	\$159	\$72	\$1,055	\$8	\$130	\$9	\$969
Median	\$144	\$40	\$1,069	\$0	\$100	\$0	\$1,000

2012 Billed kWh	2013 Billed kWh	2014 Billed kWh	Savings 2012 to 2014	2014 \$/kWh Saved	\$/Deemed kW	Annual kWh/sqft
14,455	13,977	12,318	2,137	\$0.75	\$3,168.00	1.17
12,561	11,705	10,281	1,936	\$0.48	\$2,316.20	1.02

Metric	Annual Deemed kw/sqft	Rebate/sqft	Actual Cost Minus Rebate	Avg Payback Time in Years
Average	0.00	\$1.10	\$5,456	9.1
Median	0.00	\$1.07	\$5,311	11.8

*Based on 1927 homes participating in 2013.**2013 data used to provide the 12 months pre and post data.**Data based on program data and billing data.*