

HOME PERFORMANCE WITH ENERGY STAR

2020 Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified TRC Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$449,265	\$449,265	\$449,265
Trans. & Dist. Capacity	N/A	\$57,295	\$57,295	\$57,295
Marginal Energy	N/A	\$94,954	\$94,954	\$94,954
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0
Subtotal				\$601,514
Non-Energy Benefits Adder (20%)				\$120,303
Subtotal	N/A	\$601,514	\$601,514	\$721,817
Other Benefits				
Bill Reduction - Electric	\$342,791	N/A	N/A	N/A
Participant Rebates and Incentives	\$111,181	N/A	N/A	\$111,181
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$0	N/A	N/A	\$0
Subtotal	\$453,972	N/A	N/A	\$111,181
Total Benefits	\$453,972	\$601,514	\$601,514	\$832,998
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$216,782	\$216,782	\$216,782
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$0
Participant Rebates and Incentives	N/A	\$111,181	\$111,181	\$111,181
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$30,000	\$30,000	\$30,000
Subtotal	N/A	\$357,963	\$357,963	\$357,963
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$394,568	N/A
Subtotal	N/A	N/A	\$394,568	N/A
Participant Costs				
Incremental Capital Costs	\$405,172	N/A	N/A	\$467,400
Incremental O&M Costs	\$1,613	N/A	N/A	\$1,871
Subtotal	\$406,785	N/A	N/A	\$469,272
Total Costs	\$406,785	\$357,963	\$752,531	\$827,234
Net Benefit (Cost)	\$47,187	\$243,552	(\$151,016)	\$5,763
Benefit/Cost Ratio	1.12	1.68	0.80	1.01

Note: Dollar values represent present value of impacts accumulated over the lifetime of the measures.

2020

ELECTRIC

GOAL

Input Summary and Totals		
Program Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	15 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	82.16%
Gross Load Factor at Customer	E	6.45%
Net-to-Gross (Energy)	F	114.8%
Net-to-Gross (Demand)	G	114.9%
Transmission Loss Factor (Energy)	H	6.380%
Transmission Loss Factor (Demand)	I	9.129%
Installation Rate (Energy)	J	100.0%
Installation Rate (Demand)	K	100.0%
MTRC Net Benefit (Cost)	L	\$13
MTRC Non-Energy Benefit Adder	M	\$266
Gross Annual kWh Saved at Customer	(B x E x C)	565 kWh
Net Annual kWh Saved at Customer	(F x (B x E x C x J))	649 kWh
Net Annual kWh Saved at Generator	(F x (B x E x C x J)) / (1 - H)	693 kWh
Program Summary All Participants		
Total Budget	N	\$357,963
Gross kW Saved at Customer	O	451 kW
Net coincident kW Saved at Generator	(G x O x K) x D / (1 - I)	469 kW
Net Annual kWh Saved at Customer	(F x (B x E x O x J))	292,827 kWh
Net Annual kWh Saved at Generator	(F x (B x E x O x J)) / (1 - H)	312,781 kWh
TRC Net Benefits with Adder	(O x L)	\$5,763
TRC Net Benefits without Adder	(O x (L - M))	(\$114,539)
Utility Program Cost per kWh Lifetime		\$0.0761
Utility Program Cost per kW at Gen		\$763