

ENERGY STAR NEW HOMES

2019

GAS

GOAL

	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified TRC Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Commodity Cost Reduction	N/A	\$3,381,094	\$3,381,094	\$3,381,094
Variable O&M Savings	N/A	\$45,742	\$45,742	\$45,742
Demand Savings	N/A	\$320,394	\$320,394	\$320,394
Subtotal				\$3,747,230
Non-Energy Benefits Adder (20%)				\$749,446
Subtotal	N/A	\$3,747,230	\$3,747,230	\$4,496,676
Other Benefits				
Bill Reduction - Gas	\$6,422,085	N/A	N/A	N/A
Participant Rebates and Incentives	\$1,184,623	N/A	N/A	\$1,184,623
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$18,163	N/A	N/A	\$16,710
Subtotal	\$7,624,871	N/A	N/A	\$1,201,333
Total Benefits	\$7,624,871	\$3,747,230	\$3,747,230	\$5,698,009
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$435,823	\$435,823	\$435,823
Advertising/Promotion/Customer Ed	N/A	\$74,432	\$74,432	\$74,432
Participant Rebates and Incentives	N/A	\$1,184,623	\$1,184,623	\$1,184,623
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$234,540	\$234,540	\$234,540
Subtotal	N/A	\$1,929,418	\$1,929,418	\$1,929,418
Utility Revenue Reduction				
Revenue Reduction - Gas	N/A	N/A	\$5,908,318	N/A
Subtotal	N/A	N/A	\$5,908,318	N/A
Participant Costs				
Incremental Capital Costs	\$3,943,740	N/A	N/A	\$3,628,240
Incremental O&M Costs	\$0	N/A	N/A	\$0
Subtotal	\$3,943,740	N/A	N/A	\$3,628,240
Total Costs	\$3,943,740	\$1,929,418	\$7,837,736	\$5,557,659
Net Benefit (Cost)	\$3,681,131	\$1,817,812	(\$4,090,506)	\$140,350
Benefit/Cost Ratio	1.93	1.94	0.48	1.03

Program Assumptions:

Lifetime (Weighted on Dth)	A	19.65 years
Net-to-Gross (Weighted on Dth)	B	92.00%
Install Rate (Weighted on Dth)	C	100.0%

Program Totals:

Total Dth/Yr Saved	D	83,620
Utility Costs per Net Dth/Yr	E	\$23.07
Net Benefit (Cost) per Gross Dth/Yr	F	\$1.68
Non-Energy Benefits Adder per Gross Dth/Yr	G	\$8.96
Annual Dth/\$M	(\$1M / E)	43,340
Total Utility Budget	(E x D)	\$1,929,418
Total MTRC Net Benefits with Adder	(D x F)	\$140,350
Total MTRC Net Benefits without Adder	(F - G) x D	-\$609,096
Utility Program Cost per Net Dth Lifetime	(E / A)	\$1.17

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

ENERGY STAR NEW HOMES					2020	GAS	GOAL
	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified TRC Test (\$Total)	Program Assumptions:		
Benefits							
Avoided Revenue Requirements							
Commodity Cost Reduction	N/A	\$3,098,667	\$3,098,667	\$3,098,667	Lifetime (Weighted on Dth)	A	19.42 years
Variable O&M Savings	N/A	\$39,844	\$39,844	\$39,844	Net-to-Gross (Weighted on Dth)	B	92.00%
Demand Savings	N/A	\$279,082	\$279,082	\$279,082	Install Rate (Weighted on Dth)	C	100.0%
Subtotal				\$3,417,593	Program Totals:		
Non-Energy Benefits Adder (20%)				\$683,519	Total Dth/Yr Saved	D	73,400
Subtotal	N/A	\$3,417,593	\$3,417,593	\$4,101,112	Utility Costs per Net Dth/Yr	E	\$24.72
					Net Benefit (Cost) per Gross Dth/Yr	F	\$0.26
					Non-Energy Benefits Adder per Gross Dth/Yr	G	\$9.31
					Annual Dth/\$M	(\$1M / E)	40,460
					Total Utility Budget	(E x D)	\$1,814,123
					Total MTRC Net Benefits with Adder	(D x F)	\$19,197
					Total MTRC Net Benefits without Adder	(F - G) x D	-\$664,322
Other Benefits							
Bill Reduction - Gas	\$5,884,251	N/A	N/A	N/A	Utility Program Cost per Net Dth Lifetime	(E / A)	\$1.27
Participant Rebates and Incentives	\$1,039,556	N/A	N/A	\$1,039,556			
Incremental Capital Savings	\$0	N/A	N/A	\$0			
Incremental O&M Savings	\$19,071	N/A	N/A	\$17,545			
Subtotal	\$6,942,878	N/A	N/A	\$1,057,101			
Total Benefits	\$6,942,878	\$3,417,593	\$3,417,593	\$5,158,213			
Utility Project Costs							
Program Planning & Design	N/A	\$0	\$0	\$0			
Administration & Program Delivery	N/A	\$435,823	\$435,823	\$435,823			
Advertising/Promotion/Customer Ed	N/A	\$70,832	\$70,832	\$70,832			
Participant Rebates and Incentives	N/A	\$1,039,556	\$1,039,556	\$1,039,556			
Equipment & Installation	N/A	\$0	\$0	\$0			
Measurement and Verification	N/A	\$267,912	\$267,912	\$267,912			
Subtotal	N/A	\$1,814,123	\$1,814,123	\$1,814,123			
Utility Revenue Reduction							
Revenue Reduction - Gas	N/A	N/A	\$5,413,511	N/A			
Subtotal	N/A	N/A	\$5,413,511	N/A			
Participant Costs							
Incremental Capital Costs	\$3,614,014	N/A	N/A	\$3,324,893			
Incremental O&M Costs	\$0	N/A	N/A	\$0			
Subtotal	\$3,614,014	N/A	N/A	\$3,324,893			
Total Costs	\$3,614,014	\$1,814,123	\$7,227,633	\$5,139,016			
Net Benefit (Cost)	\$3,328,864	\$1,603,470	(\$3,810,041)	\$19,197			
Benefit/Cost Ratio	1.92	1.88	0.47	1.00			

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