

NEW CONSTRUCTION

2022 Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$13,347,553	\$13,347,553	\$13,347,553
Trans. & Dist. Capacity	N/A	\$1,671,613	\$1,671,613	\$1,671,613
Marginal Energy	N/A	\$11,405,211	\$11,405,211	\$11,405,211
Avoided Emissions (CO2)	N/A	N/A	N/A	\$7,926,632
Subtotal				\$34,351,009
Non-Energy Benefits Adder (20.0%)				\$5,284,875
Subtotal	N/A	\$26,424,377	\$26,424,377	\$39,635,884
Participant Benefits				
Bill Reduction - Electric	\$46,480,539	N/A	N/A	N/A
Participant Rebates and Incentives	\$4,053,108	N/A	N/A	\$4,053,108
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$0	N/A	N/A	\$0
Subtotal	\$50,533,647	N/A	N/A	\$4,053,108
Total Benefits	\$50,533,647	\$26,424,377	\$26,424,377	\$43,688,992
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$2,175,505	\$2,175,505	\$2,175,505
Advertising/Promotion/Customer Ed	N/A	\$3,000	\$3,000	\$3,000
Participant Rebates and Incentives	N/A	\$4,053,108	\$4,053,108	\$4,053,108
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$546,598	\$546,598	\$546,598
Subtotal	N/A	\$6,778,211	\$6,778,211	\$6,778,211
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$46,480,539	N/A
Subtotal	N/A	N/A	\$46,480,539	N/A
Participant Costs				
Incremental Capital Costs	\$19,061,657	N/A	N/A	\$16,492,737
Incremental O&M Costs	\$439,271	N/A	N/A	\$379,459
Subtotal	\$19,500,928	N/A	N/A	\$16,872,197
Total Costs	\$19,500,928	\$6,778,211	\$53,258,751	\$23,650,408
Net Benefit (Cost)	\$31,032,719	\$19,646,166	(\$26,834,374)	\$20,038,584
Benefit/Cost Ratio	2.59	3.90	0.50	1.85

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

2022

ELECTRIC

GOAL

Input Summary and Totals

Program "Inputs" per Customer kW and per Participant		
Lifetime (Weighted on Generator kWh)	A	19.3 years
T & D Loss Factor (Energy)	B	5.33%
T & D Loss Factor (Demand)	C	7.71%
Net-to-Gross (Energy)	D	87.46%
Net-to-Gross (Demand)	E	86.92%
Installation Rate (Energy)	F	100.00%
Installation Rate (Demand)	G	100.00%
Net coincident kW Saved at Generator	H	36.43 kW
Gross Annual kWh Saved at Customer	I	156,942.34 kWh
Net Annual kWh Saved at Generator	J	144,989.94 kWh
Program Summary All Participants		
Total Budget	K	\$6,778,211
Net coincident kW Saved at Generator	L	10,637 kW
Gross Annual kWh Saved at Customer	M	45,827,163 kWh
Net Annual kWh Saved at Generator	N	42,337,061 kWh
Total MTRC Net Benefits with Adder	O	\$20,038,584
Total MTRC Net Benefits without Adder	P	\$14,753,709
Utility Program Cost per kWh Lifetime	K/(A x N)	\$0.0083
Utility Program Cost per kW at Gen	K/ L	\$637
Avoided Lifetime CO2 Emissions, Total Program (tons CO2)		199,894

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	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Commodity Cost Reduction	N/A	\$2,510,154	\$2,510,154	\$2,510,154
Variable O&M Savings	N/A	\$38,001	\$38,001	\$38,001
Demand Savings	N/A	\$266,176	\$266,176	\$266,176
Subtotal				\$2,814,331
Non-Energy Benefits Adder (20.0%)				\$562,866
Subtotal	N/A	\$2,814,331	\$2,814,331	\$3,377,197
Participant Benefits				
Bill Reduction - Gas	\$4,750,470	N/A	N/A	N/A
Participant Rebates and Incentives	\$360,317	N/A	N/A	\$360,317
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$5,900,133	N/A	N/A	\$5,074,115
Subtotal	\$11,010,920	N/A	N/A	\$5,434,432
Total Benefits	\$11,010,920	\$2,814,331	\$2,814,331	\$8,811,629
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$127,935	\$127,935	\$127,935
Advertising/Promotion/ Customer Ed	N/A	\$0	\$0	\$0
Participant Rebates and Incentives	N/A	\$360,317	\$360,317	\$360,317
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$97,873	\$97,873	\$97,873
Subtotal	N/A	\$586,125	\$586,125	\$586,125
Utility Revenue Reduction				
Revenue Reduction - Gas	N/A	N/A	\$4,750,470	N/A
Subtotal	N/A	N/A	\$4,750,470	N/A
Participant Costs				
Incremental Capital Costs	\$2,502,608	N/A	N/A	\$2,152,243
Incremental O&M Costs	\$155,729	N/A	N/A	\$133,927
Subtotal	\$2,658,337	N/A	N/A	\$2,286,170
Total Costs	\$2,658,337	\$586,125	\$5,336,595	\$2,872,295
Net Benefit (Cost)	\$8,352,583	\$2,228,206	(\$2,522,264)	\$5,939,334
Benefit/Cost Ratio	4.14	4.80	0.53	3.07

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

2022**GAS****GOAL****Input Summary and Totals****Program "Inputs" per Dth**

Lifetime (Weighted on Dth)	A	19.8 years
Net-to-Gross (Weighted on Dth)	B	87.499%
Install Rate (Weighted on Dth)	C	100.00%

Program Summary per Participant

Gross Annual Dth Saved	D	717.0
Net Annual Dth Saved	E	627.3

Program Summary All Participants

Total Budget	F	\$586,125
Gross Annual Dth Saved	G	73,853 Dth
Net Annual Dth Saved	H	64,614 Dth
Total MTRC Net Benefits with Adder	I	\$5,939,334
Total MTRC Net Benefits without Adder	J	\$5,376,468

Utility Program Cost per Dth Lifetime	F / (A x H)	\$0.4571
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