

SMALL BUSINESS SOLUTIONS				
2021 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	\$5,944,156	\$5,944,156	\$5,944,156
Trans. & Dist. Capacity	N/A	\$744,426	\$744,426	\$744,426
Marginal Energy	N/A	\$8,591,477	\$8,591,477	\$8,591,477
Avoided Emissions (CO2)	N/A	N/A	N/A	N/A
Subtotal				\$15,280,059
Non-Energy Benefits Adder				
Subtotal	N/A	\$15,280,059	\$15,280,059	\$18,336,071
Participant Benefits				
Bill Reduction - Electric	\$33,960,055	N/A	N/A	N/A
Participant Rebates and Incentives	\$2,958,335	N/A	N/A	\$2,958,335
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$221,083	N/A	N/A	\$207,818
Subtotal	\$37,139,474	N/A	N/A	\$3,166,154
Total Benefits	\$37,139,474	\$15,280,059	\$15,280,059	\$21,502,225
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$2,654,681	\$2,654,681	\$2,654,681
Advertising/Promotion/Customer Ed	N/A	\$300,000	\$300,000	\$300,000
Participant Rebates and Incentives	N/A	\$2,958,335	\$2,958,335	\$2,958,335
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$35,000	\$35,000	\$35,000
Subtotal	N/A	\$5,948,016	\$5,948,016	\$5,948,016
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$33,960,055	N/A
Subtotal	N/A	N/A	\$33,960,055	N/A
Participant Costs				
Incremental Capital Costs	\$11,474,053	N/A	N/A	\$10,347,919
Incremental O&M Costs	\$61,928	N/A	N/A	\$55,322
Subtotal	\$11,535,981	N/A	N/A	\$10,403,241
Total Costs	\$11,535,981	\$5,948,016	\$39,908,072	\$16,351,257
Net Benefit (Cost)	\$25,603,493	\$9,332,043	(\$24,628,012)	\$5,150,968
Benefit/Cost Ratio	3.22	2.57	0.38	1.32

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

2021	ELECTRIC	GOAL
Input Summary and Totals		
Program "Inputs" per Customer kW and per Participant		
Lifetime (Weighted on Generator kWh)	A	13.4 years
T & D Loss Factor (Energy)	B	5.33%
T & D Loss Factor (Demand)	C	7.71%
Net-to-Gross (Energy)	D	85.46%
Net-to-Gross (Demand)	E	84.27%
Installation Rate (Energy)	F	99.50%
Installation Rate (Demand)	G	99.47%
Net coincident kW Saved at Generator	H	0.03 kW
Gross Annual kWh Saved at Customer	I	215.16 kWh
Net Annual kWh Saved at Generator	J	193.34 kWh
Program Summary All Participants		
Total Budget	K	\$5,948,016
Net coincident kW Saved at Generator	L	6,691 kW
Gross Annual kWh Saved at Customer	M	48,138,733 kWh
Net Annual kWh Saved at Generator	N	43,257,026 kWh
Total MTRC Net Benefits with Adder	O	\$5,150,968
Total MTRC Net Benefits without Adder	P	\$2,094,956
Utility Program Cost per kWh Lifetime	K/(A x N)	\$0.0103
Utility Program Cost per kW at Gen	K/L	\$889
Avoided Lifetime CO2 Emissions, Total Program (tons CO2)		175,090

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	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$6,291,141	\$6,291,141	\$6,291,141
Trans. & Dist. Capacity	N/A	\$787,886	\$787,886	\$787,886
Marginal Energy	N/A	\$9,170,349	\$9,170,349	\$9,170,349
Avoided Emissions (CO2)	N/A	N/A	N/A	N/A
Subtotal				\$16,249,376
Non-Energy Benefits Adder				
Subtotal	N/A	\$16,249,376	\$16,249,376	\$19,499,251
Participant Benefits				
Bill Reduction - Electric	\$36,349,130	N/A	N/A	N/A
Participant Rebates and Incentives	\$3,079,013	N/A	N/A	\$3,079,013
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$261,488	N/A	N/A	\$245,799
Subtotal	\$39,689,631	N/A	N/A	\$3,324,812
Total Benefits	\$39,689,631	\$16,249,376	\$16,249,376	\$22,824,062
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$2,667,320	\$2,667,320	\$2,667,320
Advertising/Promotion/Customer Ed	N/A	\$300,000	\$300,000	\$300,000
Participant Rebates and Incentives	N/A	\$3,079,013	\$3,079,013	\$3,079,013
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$35,000	\$35,000	\$35,000
Subtotal	N/A	\$6,081,333	\$6,081,333	\$6,081,333
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$36,349,130	N/A
Subtotal	N/A	N/A	\$36,349,130	N/A
Participant Costs				
Incremental Capital Costs	\$11,872,112	N/A	N/A	\$10,671,276
Incremental O&M Costs	\$63,750	N/A	N/A	\$56,717
Subtotal	\$11,935,862	N/A	N/A	\$10,727,993
Total Costs	\$11,935,862	\$6,081,333	\$42,430,463	\$16,809,326
Net Benefit (Cost)	\$27,753,769	\$10,168,043	(\$26,181,088)	\$6,014,736
Benefit/Cost Ratio	3.33	2.67	0.38	1.36

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	14.0 years
T & D Loss Factor (Energy)	B	5.33%
T & D Loss Factor (Demand)	C	7.71%
Net-to-Gross (Energy)	D	85.74%
Net-to-Gross (Demand)	E	84.48%
Installation Rate (Energy)	F	99.52%
Installation Rate (Demand)	G	99.48%
Net coincident kW Saved at Generator	H	0.03 kW
Gross Annual kWh Saved at Customer	I	202.56 kWh
Net Annual kWh Saved at Generator	J	182.64 kWh
Program Summary All Participants		
Total Budget	K	\$6,081,333
Net coincident kW Saved at Generator	L	6,623 kW
Gross Annual kWh Saved at Customer	M	47,980,720 kWh
Net Annual kWh Saved at Generator	N	43,261,743 kWh
Total MTRC Net Benefits with Adder	O	\$6,014,736
Total MTRC Net Benefits without Adder	P	\$2,764,861
Utility Program Cost per kWh Lifetime		
	K/(A x N)	\$0.0100
Utility Program Cost per kW at Gen		
	K/ L	\$918
Avoided Lifetime CO2 Emissions, Total Program (tons CO2)		
		167,314

SMALL BUSINESS SOLUTIONS

2021 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				
Commodity Cost Reduction	N/A	\$325,947	\$325,947	\$325,947
Variable O&M Savings	N/A	\$5,850	\$5,850	\$5,850
Demand Savings	N/A	\$40,974	\$40,974	\$40,974
Subtotal				\$372,771
Non-Energy Benefits Adder (20.0%)				\$74,554
Subtotal	N/A	\$372,771	\$372,771	\$447,325
Participant Benefits				
Bill Reduction - Gas	\$617,359	N/A	N/A	N/A
Participant Rebates and Incentives	\$99,465	N/A	N/A	\$99,465
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$168,298	N/A	N/A	\$158,200
Subtotal	\$885,122	N/A	N/A	\$257,665
Total Benefits	\$885,122	\$372,771	\$372,771	\$704,990
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$37,000	\$37,000	\$37,000
Advertising/Promotion/Customer Ed	N/A	\$25,000	\$25,000	\$25,000
Participant Rebates and Incentives	N/A	\$99,465	\$99,465	\$99,465
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$5,000	\$5,000	\$5,000
Subtotal	N/A	\$166,465	\$166,465	\$166,465
Utility Revenue Reduction				
Revenue Reduction - Gas	N/A	N/A	\$617,359	N/A
Subtotal	N/A	N/A	\$617,359	N/A
Participant Costs				
Incremental Capital Costs	\$193,683	N/A	N/A	\$182,062
Incremental O&M Costs	\$13	N/A	N/A	\$12
Subtotal	\$193,696	N/A	N/A	\$182,075
Total Costs	\$193,696	\$166,465	\$783,825	\$348,540
Net Benefit (Cost)	\$691,426	\$206,306	(\$411,054)	\$356,450
Benefit/Cost Ratio	4.57	2.24	0.48	2.02

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

2021 GAS

GOAL

Input Summary and Totals		
Program "Inputs" per Dth		
Lifetime (Weighted on Dth)	A	12.4 years
Net-to-Gross (Weighted on Dth)	B	94.00%
Install Rate (Weighted on Dth)	C	100.00%
Program Summary per Participant		
Gross Annual Dth Saved	D	13.5
Net Annual Dth Saved	E	12.7
Program Summary All Participants		
Total Budget	F	\$166,465
Gross Annual Dth Saved	G	14,109 Dth
Net Annual Dth Saved	H	13,262 Dth
Total MTRC Net Benefits with Adder	I	\$356,450
Total MTRC Net Benefits without Adder	J	\$281,896
Utility Program Cost per Dth Lifetime	F / (A x H)	\$1.042

SMALL BUSINESS SOLUTIONS

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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	\$442,869	\$442,869	\$442,869
Variable O&M Savings	N/A	\$7,624	\$7,624	\$7,624
Demand Savings	N/A	\$53,400	\$53,400	\$53,400
Subtotal				\$503,893
Non-Energy Benefits Adder (20.0%)				\$100,779
Subtotal	N/A	\$503,893	\$503,893	\$604,672
Participant Benefits				
Bill Reduction - Gas	\$838,633	N/A	N/A	N/A
Participant Rebates and Incentives	\$119,717	N/A	N/A	\$119,717
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$234,216	N/A	N/A	\$220,163
Subtotal	\$1,192,566	N/A	N/A	\$339,880
Total Benefits	\$1,192,566	\$503,893	\$503,893	\$944,551
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$37,000	\$37,000	\$37,000
Advertising/Promotion/Customer Ed	N/A	\$25,000	\$25,000	\$25,000
Participant Rebates and Incentives	N/A	\$119,717	\$119,717	\$119,717
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$5,000	\$5,000	\$5,000
Subtotal	N/A	\$186,717	\$186,717	\$186,717
Utility Revenue Reduction				
Revenue Reduction - Gas	N/A	N/A	\$838,633	N/A
Subtotal	N/A	N/A	\$838,633	N/A
Participant Costs				
Incremental Capital Costs	\$265,868	N/A	N/A	\$249,916
Incremental O&M Costs	\$13	N/A	N/A	\$12
Subtotal	\$265,881	N/A	N/A	\$249,928
Total Costs	\$265,881	\$186,717	\$1,025,350	\$436,645
Net Benefit (Cost)	\$926,685	\$317,177	(\$521,457)	\$507,906
Benefit/Cost Ratio	4.49	2.70	0.49	2.16

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	12.4 years
Net-to-Gross (Weighted on Dth)	B	94.00%
Install Rate (Weighted on Dth)	C	100.00%
Program Summary per Participant		
Gross Annual Dth Saved	D	13.8
Net Annual Dth Saved	E	13.0
Program Summary All Participants		
Total Budget	F	\$186,717
Gross Annual Dth Saved	G	18,411 Dth
Net Annual Dth Saved	H	17,306 Dth
Total MTRC Net Benefits with Adder	I	\$507,906
Total MTRC Net Benefits without Adder	J	\$407,128
Utility Program Cost per Dth Lifetime	F / (A x H)	\$0.8731