•	Net Present Cost Benefit Summary Analysis For All Participants					
	Participant Test	Utility Test	Rate Impact Test	Modified Total Resource Test		
Benefits	(\$Total)	(\$Total)	(\$Total)	(\$Total)		
Belients						
Avoided Revenue Requirements						
Generation Capacity	N/A	\$11,745,517	\$11,745,517	\$11,745,517		
Trans. & Dist. Capacity	N/A	\$1,470,980	\$1,470,980	\$1,470,980		
Marginal Energy	N/A	\$3,353,145	\$3,353,145	\$3,353,145		
Avoided Emissions (CO2)	N/A	N/A	N/A	\$2,392,776		
Subtotal	,	- 7	*	\$18,962,418		
Non-Energy Benefits Adder (20.0%)				\$3,313,928		
Subtotal	N/A	\$16,569,642	\$16,569,642	\$22,276,346		
Participant Benefits						
Bill Reduction - Electric	\$18,740,928	N/A	N/A	N/A		
Participant Rebates and Incentives	\$6,281,909	N/A	N/A	\$6,281,909		
Incremental Capital Savings	\$12,048,784	N/A	N/A	\$8,434,149		
Incremental Capital Savings Incremental O&M Savings	\$12,048,784	N/A N/A	N/A N/A	\$8,434,149		
Subtotal	\$37,071,621	N/A	N/A	\$14,716,058		
Total Benefits	\$37,071,621	\$16,569,642	\$16,569,642	\$36,992,404		
Costs	401,011,021	ψ10,000,012	ψ10,007,012	ę50,77 2 ,101		
Utility Project Costs						
Program Planning & Design	N/A	\$ 0	\$0	\$0		
Administration & Program Delivery	N/A	\$1,544,002	\$1,544,002	\$1,544,002		
Advertising/Promotion/Customer Ed	N/A	\$1,244,610	\$1,244,610	\$1,244,610		
Participant Rebates and Incentives	N/A	\$6,281,909	\$6,281,909	\$6,281,909		
Equipment & Installation	N/A	\$0	\$0	\$0		
Measurement and Verification	N/A	\$52,000	\$52,000	\$52,000		
Subtotal	N/A	\$9,122,521	\$9,122,521	\$9,122,521		
Utility Revenue Reduction						
Revenue Reduction - Electric	N/A	N/A	\$18,593,145	N/A		
Subtotal	N/A	N/A	\$18,593,145	N/A		
Participant Costs						
Incremental Capital Costs	\$10,251,740	N/A	N/A	\$7,844,060		
Incremental O&M Costs	\$879,809	N/A	N/A	\$651,637		
Subtotal	\$11,131,549	N/A	N/A	\$8,495,697		
Total Costs	\$11,131,549	\$9,122,521	\$27,715,665	\$17,618,218		
Net Benefit (Cost)	\$25,940,072	\$7,447,121	(\$11,146,024)	\$19,374,186		

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

022 ELECTRIC		GOAI
put Summary and Totals		
ogram "Inputs" per Customer kW and per Participant		
Lifetime (Weighted on Generator kWh)	A	15.7 years
T & D Loss Factor (Energy)	В	6.38
T & D Loss Factor (Demand)	С	9.139
Net-to-Gross (Energy)	D	80.879
Net-to-Gross (Demand)	E	77.459
Installation Rate (Energy)	F	100.00%
Installation Rate (Demand)	G	100.00%
Net coincident kW Saved at Generator	Н	0.39 kV
Gross Annual kWh Saved at Customer	I	506.33 kW
Net Annual kWh Saved at Generator	I	437.39 kW
ogram Summary All Participants Total Budget	K	\$9,122,52
Net coincident kW Saved at Generator	L	11,477 kV
Gross Annual kWh Saved at Customer	M	14,989,494 kW
Net Annual kWh Saved at Generator	N	12,948,632 kW
Total MTRC Net Benefits with Adder	O	\$19,374,186
Total MTRC Net Benefits without Adder	P	\$16,060,257
Utility Program Cost per kWh Lifetime	K/(A x N)	\$0.0449
Utility Program Cost per kW at Gen	K/L	\$79
Avoided Lifetime CO2 Emissions, Total Program (tons CO2)		59,213

RESIDENTIAL HEATING & COOLING 2022 Net Present Cost Benefit Summary Analysis For All Participants					
Benefits	(+1-0-00)	(+	(********)	(¥± s.m.y	
Avoided Revenue Requirements					
Commodity Cost Reduction	N/A	\$5,145,429	\$5,145,429	\$5,145,429	
Variable O&M Savings Demand Savings	N/A N/A	\$83,028 \$581,564	\$83,028 \$581,564	\$83,028 \$581,564	
Subtotal	14/11	¥301,30+	₽301,30∓	\$5,810,021	
Non-Energy Benefits Adder (20.0%)				\$1,162,004	
Subtotal	N/A	\$5,810,021	\$5,810,021	\$6,972,025	
Participant Benefits					
Bill Reduction - Gas	\$9,324,914	N/A	N/A	N/A	
Participant Rebates and Incentives	\$1,903,803	N/A	N/A	\$1,903,803	
Incremental Capital Savings	\$0	N/A	N/A	\$0	
Incremental O&M Savings	\$0	N/A	N/A	\$0	
Subtotal	\$11,228,718	N/A	N/A	\$1,903,803	
Total Benefits	\$11,228,718	\$5,810,021	\$5,810,021	\$8,875,828	
Costs					
Utility Project Costs					
Program Planning & Design	N/A	\$0	\$0	\$0	
Administration & Program Delivery	N/A	\$706,741	\$706,741	\$706,741	
Advertising/Promotion/Customer Ed	N/A	\$297,040	\$297,040	\$297,040	
Participant Rebates and Incentives	N/A	\$1,903,803	\$1,903,803	\$1,903,803	
Equipment & Installation	N/A	\$0	\$0	\$0	
Measurement and Verification Subtotal	N/A N/A	\$20,000 \$2,927,584	\$20,000 \$2,927,584	\$20,000 \$2,927,584	
Utility Revenue Reduction					
Revenue Reduction - Gas	N/A	N/A	\$9,171,432	N/A	
Subtotal	N/A	N/A	\$9,171,432	N/A	
Participant Costs					
Incremental Capital Costs	\$6,938,173	N/A	N/A	\$5,713,364	
Incremental O&M Costs	\$0	N/A	N/A	\$0	
Subtotal	\$6,938,173	N/A	N/A	\$5,713,364	
Total Costs	\$6,938,173	\$2,927,584	\$12,099,016	\$8,640,949	
Net Benefit (Cost)	\$4,290,545	\$2,882,436	(\$6,288,996)	\$234,879	
Benefit/Cost Ratio	1.62	1.98	0.48	1.03	

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	15.3 years
Net-to-Gross (Weighted on Dth)	В	89.85%
Install Rate (Weighted on Dth)	С	100.00%
Program Summary per Participant		
Gross Annual Dth Saved	D	11.0
Net Annual Dth Saved	Е	9.8
Program Summary All Participants		
Total Budget	F	\$2,927,584
Gross Annual Dth Saved	G	187,763 Dth
Net Annual Dth Saved	Н	168,699 Dth
Total MTRC Net Benefits with Adder	I	\$234,879
Total MTRC Net Benefits without Adder	J	(\$927,125)
Utility Program Cost per Dth Lifetime	F /(A x H)	\$1.1365