

COOLING					2020 ELECTRIC			GOAL
2020 Net Present Cost Benefit Summary Analysis For All Participants					Input Summary and Totals			
	Participant	Utility	Rate	Modified	Program Inputs per Customer kW			
	Test	Test	Impact	TRC	Lifetime (Weighted on Generator kWh)	A		18 years
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B		8760
Benefits					Gross Customer kW	C		1 kW
Avoided Revenue Requirements					Generator Peak Coincidence Factor	D		86.34%
Generation Capacity	N/A	\$5,165,310	\$5,165,310	\$5,165,310	Gross Load Factor at Customer	E		19.17%
Trans. & Dist. Capacity	N/A	\$655,938	\$655,938	\$655,938	Net-to-Gross (Energy)	F		86.7%
Marginal Energy	N/A	\$3,153,848	\$3,153,848	\$3,153,848	Net-to-Gross (Demand)	G		86.6%
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0	Transmission Loss Factor (Energy)	H		5.332%
Subtotal				\$8,975,096	Transmission Loss Factor (Demand)	I		7.711%
Non-Energy Benefits Adder (20%)				\$1,795,019	Installation Rate (Energy)	J		100.0%
Subtotal	N/A	\$8,975,096	\$8,975,096	\$10,770,116	Installation Rate (Demand)	K		100.0%
Other Benefits					MTRC Net Benefit (Cost)	L		\$639
Bill Reduction - Electric	\$11,850,724	N/A	N/A	N/A	MTRC Non-Energy Benefit Adder	M		\$299
Participant Rebates and Incentives	\$1,811,599	N/A	N/A	\$1,811,599	Gross Annual kWh Saved at Customer	(B x E x C)		1,679 kWh
Incremental Capital Savings	\$0	N/A	N/A	\$0	Net Annual kWh Saved at Customer	(F x (B x E x C x J))		1,456 kWh
Incremental O&M Savings	\$0	N/A	N/A	\$0	Net Annual kWh Saved at Generator	(F x (B x E x C x J)) / (1 - H)		1,538 kWh
Subtotal	\$13,662,323	N/A	N/A	\$1,811,599	Program Summary All Participant			
Total Benefits	\$13,662,323	\$8,975,096	\$8,975,096	\$12,581,715	Total Budget	N		\$3,539,391
Utility Project Costs					Gross kW Saved at Customer	O		6,013 kW
Program Planning & Design	N/A	\$0	\$0	\$0	Net coincident kW Saved at Generator	(G x O x K) x D / (1 - I)		4,871 kW
Administration & Program Delivery	N/A	\$1,712,792	\$1,712,792	\$1,712,792	Net Annual kWh Saved at Customer	(F x (B x E x O x J))		8,756,410 kWh
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$0	Net Annual kWh Saved at Generator	(F x (B x E x O x J)) / (1 - H)		9,249,617 kWh
Participant Rebates and Incentives	N/A	\$1,811,599	\$1,811,599	\$1,811,599	TRC Net Benefits with Adder	(O x L)		\$3,843,145
Equipment & Installation	N/A	\$0	\$0	\$0	TRC Net Benefits without Adder	(O x (L - M))		\$2,048,126
Measurement and Verification	N/A	\$15,000	\$15,000	\$15,000	Utility Program Cost per kWh Lifetime			\$0.0210
Subtotal	N/A	\$3,539,391	\$3,539,391	\$3,539,391	Utility Program Cost per kW at Gen			\$727
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$10,284,903	N/A				
Subtotal	N/A	N/A	\$10,284,903	N/A				
Participant Costs								
Incremental Capital Costs	\$5,989,418	N/A	N/A	\$5,199,179				
Incremental O&M Costs	\$0	N/A	N/A	\$0				
Subtotal	\$5,989,418	N/A	N/A	\$5,199,179				
Total Costs	\$5,989,418	\$3,539,391	\$13,824,294	\$8,738,570				
Net Benefit (Cost)	\$7,672,905	\$5,435,705	(\$4,849,198)	\$3,843,145				
Benefit/Cost Ratio	2.28	2.54	0.65	1.44				

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