COMMERCIAL REFRIGERATION	N EFFICIENCY	Y			2020 EL
2020 Net Present Cost Benefit Summary Analysi	s For All Participants				Input Summary and Totals
			Rate	Modified	Program Inputs per Customer kW
	Participant	Utility	Impact	TRC	Lifetime (Weighted on Generator kWh)
	Test	Test	Test	Test	Annual Hours
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW
Benefits					Generator Peak Coincidence Factor
					Gross Load Factor at Customer
Avoided Revenue Requirements					Net-to-Gross (Energy)
Generation Capacity	N/A	\$493,181	\$493,181	\$493,181	Net-to-Gross (Demand)
Trans. & Dist. Capacity	N/A	\$61,887	\$61,887	\$61,887	Transmission Loss Factor (Energy)
Marginal Energy	N/A	\$795,111	\$795,111	\$795,111	Transmission Loss Factor (Demand)
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0	Installation Rate (Energy)
Subtotal				\$1,350,179	Installation Rate (Demand)
Non-Energy Benefits Adder (20%)				\$270,036	MTRC Net Benefit (Cost)
Subtotal	N/A	\$1,350,179	\$1,350,179	\$1,620,215	MTRC Non-Energy Benefit Adder
Other Benefits					Gross Annual kWh Saved at Customer
Bill Reduction - Electric	\$2,079,114	N/A	N/A	N/A	Net Annual kWh Saved at Customer
Participant Rebates and Incentives	\$210,409	N/A	N/A	\$210,409	Net Annual kWh Saved at Generator
Incremental Capital Savings	\$0	N/A	N/A	\$0	
Incremental O&M Savings	\$45,170	N/A	N/A	\$45,170	Program Summary All Participants
Subtotal	\$2,334,692	N/A	N/A	\$255,578	Total Budget
Total Benefits	\$2,334,692	\$1,350,179	\$1,350,179	\$1,875,793	Net coincident kW Saved at Generator
Utility Project Costs					Net Annual kWh Saved at Customer
Program Planning & Design	N/A	\$0	\$0	\$0	Net Annual kWh Saved at Generator
Administration & Program Delivery	N/A	\$427,207	\$427,207	\$427,207	TRC Net Benefits with Adder
Advertising/Promotion/Customer Ed	N/A	\$9,100	\$9,100	\$9,100	TRC Net Benefits without Adder
Participant Rebates and Incentives	N/A	\$210,409	\$210,409	\$210,409	' <u>'</u>
Equipment & Installation	N/A	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime
Measurement and Verification	N/A	\$27,000	\$27,000	\$27,000	Utility Program Cost per kW at Gen
Subtotal	N/A	\$673,716	\$673,716	\$673,716	
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$2,079,114	N/A	
Subtotal	N/A	N/A	\$2,079,114	N/A	
Participant Costs					
Incremental Capital Costs	\$618,506	N/A	N/A	\$618,506	
Incremental O&M Costs	\$0	N/A	N/A	\$0	
Subtotal	\$618,506	N/A	N/A	\$618,506	
Total Costs	\$618,506	\$673,716	\$2,752,830	\$1,292,221	
Net Benefit (Cost)	\$1,716,187	\$676,463	(\$1,402,651)	\$583,572	

2.00

1.45

0.49

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

3.77

Benefit/Cost Ratio

2020 ELECT	GOAI	
put Summary and Totals		
ogram Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	15 years
Annual Hours	В	876
Gross Customer kW	C	1 kV
Generator Peak Coincidence Factor	D	82.84%
Gross Load Factor at Customer	E	55.46%
Net-to-Gross (Energy)	F	100.09
Net-to-Gross (Demand)	G	100.09
Transmission Loss Factor (Energy)	H	5.332%
Transmission Loss Factor (Demand)	I	7.7119
Installation Rate (Energy)	J	100.0%
Installation Rate (Demand)	K	100.0%
MTRC Net Benefit (Cost)	L	\$1,01
MTRC Non-Energy Benefit Adder	M	\$47
Gross Annual kWh Saved at Customer	(B x E x C)	4,858 kW
Net Annual kWh Saved at Customer	(Fx(BxExCxJ))	4,858 kW
Net Annual kWh Saved at Generator	(Fx(BxExCxJ))/(1-H)	5,132 kW
ogram Summary All Participants		
Total Budget	N	\$673,716
Net coincident kW Saved at Generator	(G x O x K) x D / (1-I)	514 kV
Net Annual kWh Saved at Customer	(Fx(BxExOx])	2,783,442 kW
Net Annual kWh Saved at Generator	(Fx(BxExOxJ))/(1-H)	2,940,220 kW
TRC Net Benefits with Adder	(OxL)	\$583,572
TRC Net Benefits without Adder	(Ox(L-M))	\$313,530

\$1,310