9 Net Present Cost Benefit Summary Analysis For All Participants					
			Rate	Modified	
	Participant	Utility	Impact Test (\$Total)	TRC Test (\$Total)	
	Test	Test (\$Total)			
	(\$Total)				
Benefits					
Avoided Revenue Requirements					
Generation Capacity	N/A	\$4,624,806	\$4,624,806	\$4,624,806	
Trans. & Dist. Capacity	N/A	\$579,172	\$579,172	\$579,172	
Marginal Energy	N/A	\$8,708,738	\$8,708,738	\$8,708,738	
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0	
Subtotal		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	\$13,912,716	
Non-Energy Benefits Adder (20%)				\$2,782,543	
Subtotal	N/A	\$13,912,716	\$13,912,716	\$16,695,259	
Other Benefits					
Bill Reduction - Electric	\$28,222,611	N/A	N/A	N/A	
Participant Rebates and Incentives	\$3,463,184	N/A	N/A	\$3,463,184	
Incremental Capital Savings	\$0	N/A	N/A	\$0	
Incremental O&M Savings	\$0	N/A	N/A	\$0	
Subtotal	\$31,685,796	N/A	N/A	\$3,463,184	
Total Benefits	\$31,685,796	\$13,912,716	\$13,912,716	\$20,158,443	
Utility Project Costs					
Program Planning & Design	N/A	\$0	\$0	\$0	
Administration & Program Delivery	N/A	\$2,939,833	\$2,939,833	\$2,939,833	
Advertising/Promotion/Customer Ed	N/A	\$68,545	\$68,545	\$68,545	
Participant Rebates and Incentives	N/A	\$3,463,184	\$3,463,184	\$3,463,184	
Equipment & Installation	N/A	\$0	\$0	\$0	
Measurement and Verification	N/A	\$27,500	\$27,500	\$27,500	
Subtotal	N/A	\$6,499,062	\$6,499,062	\$6,499,062	
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$25,341,964	N/A	
Subtotal	N/A	N/A	\$25,341,964	N/A	
Participant Costs					
Incremental Capital Costs	\$11,265,069	N/A	N/A	\$10,122,695	
Incremental O&M Costs	\$811,157	N/A	N/A	\$728,999	
Subtotal	\$12,076,226	N/A	N/A	\$10,851,695	
Total Costs	\$12,076,226	\$6,499,062	\$31,841,026	\$17,350,757	
Net Benefit (Cost)	\$19,609,570	\$7,413,653	(\$17,928,311)	\$2,807,686	
Benefit/Cost Ratio	2.62	2.14	0.44	1.16	

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

2019 ELEC	GOAL	
Input Summary and Totals		
Program Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	12 years
Annual Hours	В	876
Gross Customer kW	С	1 kV
Generator Peak Coincidence Factor	D	65.56%
Gross Load Factor at Customer	E	50.80%
Net-to-Gross (Energy)	F	90.5%
Net-to-Gross (Demand)	G	90.5%
Transmission Loss Factor (Energy)	Н	5.332%
Transmission Loss Factor (Demand)	I	7.711%
Installation Rate (Energy)	J	99.5%
Installation Rate (Demand)	K	99.5%
MTRC Net Benefit (Cost)	L	\$290
MTRC Non-Energy Benefit Adder	M	\$28
Gross Annual kWh Saved at Customer	(BxExC)	4,451 kW
Net Annual kWh Saved at Customer	(Fx(BxExCxJ))	4,009 kW
Net Annual kWh Saved at Generator	(Fx(BxExCxJ))/(1-H)	4,235 kWl
Program Summary All Participants		
Total Budget	N	\$6,499,062
Net coincident kW Saved at Generator	(G x O x K) x D / (1-I)	6,191 kV
Net Annual kWh Saved at Customer	(Fx(BxExOxJ)	38,790,568 kW
Net Annual kWh Saved at Generator	(Fx(BxExOxJ))/(1-H)	40,975,454 kW
TRC Net Benefits with Adder	(OxL)	\$2,807,686
TRC Net Benefits without Adder	(Ox(L-M))	\$25,143

\$25,143 \$0.0130

\$1,050

Utility Program Cost per kWh Lifetime Utility Program Cost per kW at Gen

020 Net Present Cost Benefit Summary Analysis For All Participants					
	1 1 cipan		Rate	Modified	
	Participant	Utility Test (\$Total)	Impact Test (\$Total)	TRC Test (\$Total)	
	Test				
	(\$Total)				
Benefits					
Avoided Revenue Requirements					
Generation Capacity	N/A	\$4,604,173	\$4,604,173	\$4,604,173	
Trans. & Dist. Capacity	N/A	\$582,444	\$582,444	\$582,444	
Marginal Energy	N/A	\$8,665,699	\$8,665,699	\$8,665,699	
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0	
Subtotal				\$13,852,315	
Non-Energy Benefits Adder (20%)				\$2,770,463	
Subtotal	N/A	\$13,852,315	\$13,852,315	\$16,622,778	
Other Benefits					
Bill Reduction - Electric	\$27,224,543	N/A	N/A	N/A	
Participant Rebates and Incentives	\$3,324,720	N/A	N/A	\$3,324,720	
Incremental Capital Savings	\$0	N/A	N/A	\$(	
Incremental O&M Savings	\$0	N/A	N/A	\$(	
Subtotal	\$30,549,263	N/A	N/A	\$3,324,720	
Total Benefits	\$30,549,263	\$13,852,315	\$13,852,315	\$19,947,499	
Utility Project Costs					
Program Planning & Design	N/A	\$0	\$0	\$(	
Administration & Program Delivery	N/A	\$2,774,253	\$2,774,253	\$2,774,253	
Advertising/Promotion/Customer Ed	N/A	\$119,105	\$119,105	\$119,105	
Participant Rebates and Incentives	N/A	\$3,324,720	\$3,324,720	\$3,324,720	
Equipment & Installation	N/A	\$0	\$0	\$0	
Measurement and Verification	N/A	\$27,500	\$27,500	\$27,500	
Subtotal	N/A	\$6,245,579	\$6,245,579	\$6,245,579	
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$24,471,006	N/A	
Subtotal	N/A	N/A	\$24,471,006	N/	
Participant Costs					
Incremental Capital Costs	\$10,286,717	N/A	N/A	\$9,265,001	
Incremental O&M Costs	\$800,624	N/A	N/A	\$720,157	
Subtotal	\$11,087,341	N/A	N/A	\$9,985,158	
Total Costs	\$11,087,341	\$6,245,579	\$30,716,584	\$16,230,736	
Net Benefit (Cost)	\$19,461,923	\$7,606,736	(\$16,864,269)	\$3,716,762	
Benefit/Cost Ratio	2.76	2.22	0.45	1.23	

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

2020 ELEC	GOAL	
Input Summary and Totals		
Program Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	12 years
Annual Hours	В	8760
Gross Customer kW	С	1 kW
Generator Peak Coincidence Factor	D	68.02%
Gross Load Factor at Customer	E	51.04%
Net-to-Gross (Energy)	F	90.6%
Net-to-Gross (Demand)	G	90.6%
Transmission Loss Factor (Energy)	Н	5.332%
Transmission Loss Factor (Demand)	I	7.711%
Installation Rate (Energy)	J	99.5%
Installation Rate (Demand)	K	99.5%
MTRC Net Benefit (Cost)	L	\$404
MTRC Non-Energy Benefit Adder	M	\$301
Gross Annual kWh Saved at Customer	(BxExC)	4,471 kWh
Net Annual kWh Saved at Customer	(Fx(BxExCxJ))	4,031 kWh
Net Annual kWh Saved at Generator	(Fx(BxExCxJ))/(1-H)	4,258 kWh
Program Summary All Participant		
Total Budget	N	\$6,245,579
Net coincident kW Saved at Generator	(G x O x K) x D / (1-I)	6,107 kW
Net Annual kWh Saved at Customer	(Fx(BxExOxJ)	37,069,689 kWh
Net Annual kWh Saved at Generator	(Fx(B xE xO xJ))/(1-H)	39,157,646 kWh
TRC Net Benefits with Adder	(OxL)	\$3,716,762
TRC Net Benefits without Adder	(Ox(L-M))	\$946,299

\$0.0133

\$1,023

Utility Program Cost per kWh Lifetime

Utility Program Cost per kW at Gen