

NEW CONSTRUCTION				
2019 Net Present Cost Benefit Summary Analysis For All Participants				
	Participant Test	Utility Test	Rate Impact Test	Modified TRC Test
	(\$Total)	(\$Total)	(\$Total)	(\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$13,238,589	\$13,238,589	\$13,238,589
Trans. & Dist. Capacity	N/A	\$1,657,920	\$1,657,920	\$1,657,920
Marginal Energy	N/A	\$14,101,615	\$14,101,615	\$14,101,615
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0
Subtotal				\$28,998,124
Non-Energy Benefits Adder (20%)				\$5,799,625
Subtotal	N/A	\$28,998,124	\$28,998,124	\$34,797,748
Other Benefits				
Bill Reduction - Electric	\$40,456,742	N/A	N/A	N/A
Participant Rebates and Incentives	\$8,332,309	N/A	N/A	\$8,332,309
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$0	N/A	N/A	\$0
Subtotal	\$48,789,051	N/A	N/A	\$8,332,309
Total Benefits	\$48,789,051	\$28,998,124	\$28,998,124	\$43,130,058
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$2,991,157	\$2,991,157	\$2,991,157
Advertising/Promotion/Customer Ed	N/A	\$18,650	\$18,650	\$18,650
Participant Rebates and Incentives	N/A	\$8,332,309	\$8,332,309	\$8,332,309
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$430,077	\$430,077	\$430,077
Subtotal	N/A	\$11,772,194	\$11,772,194	\$11,772,194
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$38,433,905	N/A
Subtotal	N/A	N/A	\$38,433,905	N/A
Participant Costs				
Incremental Capital Costs	\$24,579,714	N/A	N/A	\$23,350,728
Incremental O&M Costs	\$347,467	N/A	N/A	\$330,094
Subtotal	\$24,927,181	N/A	N/A	\$23,680,822
Total Costs	\$24,927,181	\$11,772,194	\$50,206,099	\$35,453,016
Net Benefit (Cost)	\$23,861,870	\$17,225,930	(\$21,207,975)	\$7,677,042
Benefit/Cost Ratio	1.96	2.46	0.58	1.22

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

2019	ELECTRIC	GOAL
Input Summary and Totals		
Program Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	20 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	72.61%
Gross Load Factor at Customer	E	29.89%
Net-to-Gross (Energy)	F	95.0%
Net-to-Gross (Demand)	G	95.0%
Transmission Loss Factor (Energy)	H	5.332%
Transmission Loss Factor (Demand)	I	7.711%
Installation Rate (Energy)	J	100.0%
Installation Rate (Demand)	K	100.0%
MTRC Net Benefit (Cost)	L	\$482
MTRC Non-Energy Benefit Adder	M	\$364
Gross Annual kWh Saved at Customer	(B x E x C)	2,618 kWh
Net Annual kWh Saved at Customer	(F x (B x E x C x J))	2,487 kWh
Net Annual kWh Saved at Generator	(F x (B x E x C x J)) / (1 - H)	2,627 kWh
Program Summary All Participants		
Total Budget	N	\$11,772,194
Net coincident kW Saved at Generator	(G x O x K) x D / (1 - I)	11,914 kW
Net Annual kWh Saved at Customer	(F x (B x E x O x J))	39,642,811 kWh
Net Annual kWh Saved at Generator	(F x (B x E x O x J)) / (1 - H)	41,875,700 kWh
TRC Net Benefits with Adder	(O x L)	\$7,677,042
TRC Net Benefits without Adder	(O x (L - M))	\$1,877,417
Utility Program Cost per kWh Lifetime		
Utility Program Cost per kW at Gen		\$988

NEW CONSTRUCTION				
2020 Net Present Cost Benefit Summary Analysis For All Participants				
	Participant	Utility	Rate	Modified
	Test	Test	Impact	TRC
	(\$Total)	(\$Total)	Test (\$Total)	Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$14,604,385	\$14,604,385	\$14,604,385
Trans. & Dist. Capacity	N/A	\$1,879,092	\$1,879,092	\$1,879,092
Marginal Energy	N/A	\$17,056,536	\$17,056,536	\$17,056,536
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0
Subtotal				\$33,540,013
Non-Energy Benefits Adder (20%)				\$6,708,003
Subtotal	N/A	\$33,540,013	\$33,540,013	\$40,248,016
Other Benefits				
Bill Reduction - Electric	\$47,045,705	N/A	N/A	N/A
Participant Rebates and Incentives	\$9,264,725	N/A	N/A	\$9,264,725
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$0	N/A	N/A	\$0
Subtotal	\$56,310,430	N/A	N/A	\$9,264,725
Total Benefits	\$56,310,430	\$33,540,013	\$33,540,013	\$49,512,741
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$2,971,114	\$2,971,114	\$2,971,114
Advertising/Promotion/Customer Ed	N/A	\$5,632	\$5,632	\$5,632
Participant Rebates and Incentives	N/A	\$9,264,725	\$9,264,725	\$9,264,725
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$430,077	\$430,077	\$430,077
Subtotal	N/A	\$12,671,548	\$12,671,548	\$12,671,548
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$44,693,420	N/A
Subtotal	N/A	N/A	\$44,693,420	N/A
Participant Costs				
Incremental Capital Costs	\$27,805,037	N/A	N/A	\$26,414,785
Incremental O&M Costs	\$456,945	N/A	N/A	\$434,098
Subtotal	\$28,261,982	N/A	N/A	\$26,848,883
Total Costs	\$28,261,982	\$12,671,548	\$57,364,968	\$39,520,431
Net Benefit (Cost)	\$28,048,448	\$20,868,465	(\$23,824,955)	\$9,992,310
Benefit/Cost Ratio	1.99	2.65	0.58	1.25

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

2020	ELECTRIC	GOAL
Input Summary and Totals		
Program Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	19 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	71.96%
Gross Load Factor at Customer	E	30.47%
Net-to-Gross (Energy)	F	95.0%
Net-to-Gross (Demand)	G	95.0%
Transmission Loss Factor (Energy)	H	5.332%
Transmission Loss Factor (Demand)	I	7.711%
Installation Rate (Energy)	J	100.0%
Installation Rate (Demand)	K	100.0%
MTRC Net Benefit (Cost)	L	\$555
MTRC Non-Energy Benefit Adder	M	\$373
Gross Annual kWh Saved at Customer	(B x E x C)	2,669 kWh
Net Annual kWh Saved at Customer	(F x (B x E x C x J))	2,535 kWh
Net Annual kWh Saved at Generator	(F x (B x E x C x J)) / (1 - H)	2,678 kWh
Program Summary All Participant		
Total Budget	N	\$12,671,548
Net coincident kW Saved at Generator	(G x O x K) x D / (1 - I)	13,339 kW
Net Annual kWh Saved at Customer	(F x (B x E x O x J))	45,657,124 kWh
Net Annual kWh Saved at Generator	(F x (B x E x O x J)) / (1 - H)	48,228,770 kWh
TRC Net Benefits with Adder	(O x L)	\$9,992,310
TRC Net Benefits without Adder	(O x (L - M))	\$3,284,307
Utility Program Cost per kWh Lifetime		
Utility Program Cost per kW at Gen		\$950