

EVAPORATIVE COOLING				
2020 Net Present Cost Benefit Summary Analysis For All Participants				
	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified TRC Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$6,324,309	\$6,324,309	\$6,324,309
Trans. & Dist. Capacity	N/A	\$792,028	\$792,028	\$792,028
Marginal Energy	N/A	\$1,574,091	\$1,574,091	\$1,574,091
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0
Subtotal				\$8,690,429
Non-Energy Benefits Adder (20%)				\$1,738,086
Subtotal	N/A	\$8,690,429	\$8,690,429	\$10,428,515
Other Benefits				
Bill Reduction - Electric	\$9,280,224	N/A	N/A	N/A
Participant Rebates and Incentives	\$1,844,550	N/A	N/A	\$1,844,550
Incremental Capital Savings	\$9,980,665	N/A	N/A	\$6,969,274
Incremental O&M Savings	\$0	N/A	N/A	\$0
Subtotal	\$21,105,439	N/A	N/A	\$8,813,824
Total Benefits	\$21,105,439	\$8,690,429	\$8,690,429	\$19,242,339
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$1,129,327	\$1,129,327	\$1,129,327
Advertising/Promotion/ Customer Ed	N/A	\$909,373	\$909,373	\$909,373
Participant Rebates and Incentives	N/A	\$1,844,550	\$1,844,550	\$1,844,550
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$35,000	\$35,000	\$35,000
Subtotal	N/A	\$3,918,250	\$3,918,250	\$3,918,250
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$6,659,136	N/A
Subtotal	N/A	N/A	\$6,659,136	N/A
Participant Costs				
Incremental Capital Costs	\$0	N/A	N/A	\$0
Incremental O&M Costs	\$834,222	N/A	N/A	\$591,753
Subtotal	\$834,222	N/A	N/A	\$591,753
Total Costs	\$834,222	\$3,918,250	\$10,577,386	\$4,510,003
Net Benefit (Cost)	\$20,271,217	\$4,772,179	(\$1,886,957)	\$14,732,336
Benefit/Cost Ratio	25.30	2.22	0.82	4.27

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		15 years
Annual Hours	B		8760
Gross Customer kW	C		1 kW
Generator Peak Coincidence Factor	D		70.00%
Gross Load Factor at Customer	E		6.38%
Net-to-Gross (Energy)	F		71.8%
Net-to-Gross (Demand)	G		71.7%
Transmission Loss Factor (Energy)	H		6.380%
Transmission Loss Factor (Demand)	I		9.129%
Installation Rate (Energy)	J		100.0%
Installation Rate (Demand)	K		100.0%
MTRC Net Benefit (Cost)	L		\$1,233
MTRC Non-Energy Benefit Adder	M		\$145
Gross Annual kWh Saved at Customer	(B x E x C)		559 kWh
Net Annual kWh Saved at Customer	(F x (B x E x C x J))		401 kWh
Net Annual kWh Saved at Generator	(F x (B x E x C x J)) / (1 - H)		428 kWh
Program Summary All Participants			
Total Budget	N		\$3,918,250
Gross kW Saved at Customer	O		11,949 kW
Net coincident kW Saved at Generator	(G x O x K) x D / (1 - I)		6,604 kW
Net Annual kWh Saved at Customer	(F x (B x E x O x J))		4,792,953 kWh
Net Annual kWh Saved at Generator	(F x (B x E x O x J)) / (1 - H)		5,119,558 kWh
TRC Net Benefits with Adder	(O x L)		\$14,732,336
TRC Net Benefits without Adder	(O x (L - M))		\$12,994,250
Utility Program Cost per kWh Lifetime			\$0.0510
Utility Program Cost per kW at Gen			\$593

ELECTRIC

GOAL

Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified TRC Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$0	\$0	\$0
Trans. & Dist. Capacity	N/A	\$0	\$0	\$0
Marginal Energy	N/A	\$0	\$0	\$0
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0
Subtotal				\$0
#DIV/0!				\$0
Subtotal	N/A	\$0	\$0	\$0
Other Benefits				
Bill Reduction - Electric	\$0	N/A	N/A	N/A
Participant Rebates and Incentives	\$0	N/A	N/A	\$0
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$0	N/A	N/A	\$0
Subtotal	\$0	N/A	N/A	\$0
Total Benefits				
	\$0	\$0	\$0	\$0
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$0	\$0	\$0
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$0
Participant Rebates and Incentives	N/A	\$0	\$0	\$0
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$0	\$0	\$0
Subtotal	N/A	\$0	\$0	\$0
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$0	N/A
Subtotal	N/A	N/A	\$0	N/A
Participant Costs				
Incremental Capital Costs	\$0	N/A	N/A	\$0
Incremental O&M Costs	\$0	N/A	N/A	\$0
Subtotal	\$0	N/A	N/A	\$0
Total Costs				
	\$0	\$0	\$0	\$0
Net Benefit (Cost)	\$0	\$0	\$0	\$0
Benefit/Cost Ratio	INF	INF	INF	INF

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

Input Summary and Totals

Program Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	0 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	#DIV/0!
Gross Load Factor at Customer	E	#DIV/0!
Net-to-Gross (Energy)	F	0.0%
Net-to-Gross (Demand)	G	0.0%
Transmission Loss Factor (Energy)	H	0.000%
Transmission Loss Factor (Demand)	I	0.000%
Installation Rate (Energy)	J	0.0%
Installation Rate (Demand)	K	0.0%
MTRC Net Benefit (Cost)	L	#DIV/0!
MTRC Non-Energy Benefit Adder	M	#DIV/0!
Gross Annual kWh Saved at Customer	(B x E x C)	#DIV/0!
Net Annual kWh Saved at Customer	(F x (B x E x C x J))	#DIV/0!
Net Annual kWh Saved at Generator	(F x (B x E x C x J)) / (1 - H)	#DIV/0!

Program Summary All Participant

Total Budget	N	\$0
Gross kW Saved at Customer	O	0 kW
Net coincident kW Saved at Generator	(G x O x K) x D / (1 - I)	#DIV/0!
Net Annual kWh Saved at Customer	(F x (B x E x O x J))	#DIV/0!
Net Annual kWh Saved at Generator	(F x (B x E x O x J)) / (1 - H)	#DIV/0!
TRC Net Benefits with Adder	(O x L)	#DIV/0!
TRC Net Benefits without Adder	(O x (L - M))	#DIV/0!
Utility Program Cost per kWh Lifetime		#DIV/0!
Utility Program Cost per kW at Gen		#DIV/0!