ESIDENTIAL BATTERY DEMAND RESPONSE					
2020 Net Present Cost Benefit Summary Analysis	is For All Participants				Input Summary and
			Rate	Modified	Program Inputs per Cus
	Participant	Utility	Impact	TRC	Lifetime (Weighte
	Test	Test	Test	Test	Annual Hours
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer l
Benefits					Generator Peak C
					Gross Load Facto
Avoided Revenue Requirements					Net-to-Gross (En
Generation Capacity	N/A	\$445,460	\$445,460	\$445,460	Net-to-Gross (De
Trans. & Dist. Capacity	N/A	\$55,787	\$55,787	\$55,787	Transmission Los
Marginal Energy	N/A	(\$3,726)	(\$3,726)	(\$3,726)	Transmission Los
Avoided Emissions (CO2)	N/A	N/A	N/A	\$0	Installation Rate
Subtotal				\$497,521	Installation Rate
Non-Energy Benefits Adder (20%)				\$99,504	MTRC Net Benef
Subtotal	N/A	\$497,521	\$497,521	\$597,026	MTRC Non-Ener
Other Benefits					Gross Annual kW
Bill Reduction - Electric	(\$17,125)	N/A	N/A	N/A	Net Annual kWh
Participant Rebates and Incentives	\$312,500	N/A	N/A	\$312,500	Net Annual kWh
Incremental Capital Savings	\$0	N/A	N/A	\$0	•
Incremental O&M Savings	\$0	N/A	N/A	\$0	Program Summary A
Subtotal	\$295,375	N/A	N/A	\$312,500	Total Budget
Total Benefits	\$295,375	\$497,521	\$497,521	\$909,526	Net coincident
Utility Project Costs					Net Annual kWh
Program Planning & Design	N/A	\$0	\$0	\$0	Net Annual kW
Administration & Program Delivery	N/A	\$197,500	\$197,500	\$197,500	TRC Net Benef
Advertising/Promotion/Customer Ed	N/A	\$5,000	\$5,000	\$5,000	TRC Net Benef
Participant Rebates and Incentives	N/A	\$312,500	\$312,500	\$312,500	
Equipment & Installation	N/A	\$0	\$0	\$0	Utility Program
Measurement and Verification	N/A	\$50,980	\$50,980	\$50,980	Utility Program
Subtotal	N/A	\$565,980	\$565,980	\$565,980	·
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	(\$17,125)	N/A	
Subtotal	N/A	N/A	(\$17,125)	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	\$565,980	\$548,855	\$565,980	
Net Benefit (Cost)	\$295,375	(\$68,459)	(\$51,333)	\$343,546	

1.61

0.91

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

INF

0.88

Benefit/Cost Ratio

2020 ELECT	RIC	GOAL
nput Summary and Totals		
ogram Inputs per Customer kW		
Lifetime (Weighted on Generator kWh)	A	10 years
Annual Hours	В	876
Gross Customer kW	С	1 kW
Generator Peak Coincidence Factor	D	100.00%
Gross Load Factor at Customer	E	-0.33%
Net-to-Gross (Energy)	F	100.0%
Net-to-Gross (Demand)	G	100.0%
Transmission Loss Factor (Energy)	Н	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	\$60
MTRC Non-Energy Benefit Adder	M	\$174
Gross Annual kWh Saved at Customer	(BxExC)	(29)kWł
Net Annual kWh Saved at Customer	(Fx(BxExCxJ))	(29)kWl
Net Annual kWh Saved at Generator	(Fx(BxExCxJ))/(1-H)	(31)kW
ogram Summary All Participants		
Total Budget	N	\$565,980
Net coincident kW Saved at Generator	(G x O x K) x D / (1-I)	630 kW
Net Annual kWh Saved at Customer	(Fx(BxExOxJ)	-16414kW
Net Annual kWh Saved at Generator	(Fx(BxExOxJ))/(1-H)	-17532kW
TRC Net Benefits with Adder	(OxL)	\$343,546
TRC Net Benefits without Adder	(Ox(L-M))	\$244,041
Utility Program Cost per kWh Lifetime		(\$3.2282
Utility Program Cost per kW at Gen		\$899