2021 Net Present Cost Benefit Summary Anal	ysis For All Participant	ts		
	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Generation Capacity	N/A	\$161,330	\$161,330	\$161,330
Trans. & Dist. Capacity	N/A	\$20,204	\$20,204	\$20,204
Marginal Energy	N/A	\$109,930	\$109,930	\$109,930
Avoided Emissions (CO2)	N/A	N/A	N/A	\$88,582
Subtotal				\$380,047
Non-Energy Benefits Adder (20.0%)				\$58,293
Subtotal	N/A	\$291,465	\$291,465	\$438,340
Participant Benefits				
Bill Reduction - Electric	\$601,921	N/A	N/A	N/A
Participant Rebates and Incentives	\$87,346	N/A	N/A	\$87,346
Incremental Capital Savings	\$6,584	N/A	N/A	\$7,638
Incremental O&M Savings	\$2,657	N/A	N/A	\$3,082
Subtotal	\$698,508	N/A	N/A	\$98,066
Total Benefits	\$698,508	\$291,465	\$291,465	\$536,406
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$93,112	\$93,112	\$93,112
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$(
Participant Rebates and Incentives	N/A	\$87,346	\$87,346	\$87,340
Equipment & Installation	N/A	\$0	\$0	\$(
Measurement and Verification	N/A	\$20,000	\$20,000	\$20,000
Subtotal	N/A	\$200,458	\$200,458	\$200,458
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$591,106	N/A
Subtotal	N/A	N/A	\$591,106	N/A
Participant Costs				
Incremental Capital Costs	\$350,216	N/A	N/A	\$368,331
Incremental O&M Costs	\$4,397	N/A	N/A	\$5,101
Subtotal	\$354,613	N/A	N/A	\$373,432
Total Costs	\$354,613	\$200,458	\$791,564	\$573,890
Net Benefit (Cost)	\$343,895	\$91,007	(\$500,099)	(\$37,484
Benefit/Cost Ratio	1.97	1.45	0.37	0.93

2021 ELECTRIC		GOAL
Input Summary and Totals		
Program "Inputs" per Customer kW and per Participant		
Lifetime (Weighted on Generator kWh)	A	14.2 years
T & D Loss Factor (Energy)	В	6.38%
T & D Loss Factor (Demand)	С	9.13%
Net-to-Gross (Energy)	D	114.58%
Net-to-Gross (Demand)	E	112.54%
Installation Rate (Energy)	F	100.00%
Installation Rate (Demand)	G	100.00%
Net coincident kW Saved at Generator	H	0.28 kW
Gross Annual kWh Saved at Customer	I	730.07 kWh
Net Annual kWh Saved at Generator	J	893.54 kWh
Program Summary All Participants  Total Budget	K	\$200,458
Net coincident kW Saved at Generator	L	153 kW
Gross Annual kWh Saved at Customer	M	399,346 kWh
Net Annual kWh Saved at Generator	N	488,764 kWh
Total MTRC Net Benefits with Adder	O	(\$37,484)
Total MTRC Net Benefits without Adder	P	(\$95,777)
Utility Program Cost per kWh Lifetime	K/(A x N)	\$0.0288
Utility Program Cost per kW at Gen	K/L	\$1,314
		7-90-1

2022 Net Present Cost Benefit Summary Ana	lysis For All Participan	ts		
,	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
Benefits	, ,	, , ,	, ,	Ì
Avoided Revenue Requirements				
Generation Capacity	N/A	\$226,096	\$226,096	\$226,096
Trans. & Dist. Capacity	N/A	\$28,316	\$28,316	\$28,316
Marginal Energy	N/A	\$165,375	\$165,375	\$165,375
Avoided Emissions (CO2)	N/A	N/A	N/A	\$123,847
Subtotal				\$543,633
Non-Energy Benefits Adder (20.0%)				\$83,957
Subtotal	N/A	\$419,786	\$419,786	\$627,591
Participant Benefits				
Bill Reduction - Electric	\$894,715	N/A	N/A	N/A
Participant Rebates and Incentives	\$122,532	N/A	N/A	\$122,532
Incremental Capital Savings	\$12,077	N/A	N/A	\$14,009
Incremental O&M Savings	\$4,201	N/A	N/A	\$4,873
Subtotal	\$1,033,525	N/A	N/A	\$141,414
Total Benefits	\$1,033,525	\$419,786	\$419,786	\$769,004
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$109,926	\$109,926	\$109,926
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$0
Participant Rebates and Incentives	N/A	\$122,532	\$122,532	\$122,532
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$30,000	\$30,000	\$30,000
Subtotal	N/A	\$262,458	\$262,458	\$262,458
Utility Revenue Reduction				
Revenue Reduction - Electric	N/A	N/A	\$877,576	N/A
Subtotal	N/A	N/A	\$877,576	N/A
Participant Costs				
Incremental Capital Costs	\$453,171	N/A	N/A	\$478,263
Incremental O&M Costs	\$6,761	N/A	N/A	\$7,843
Subtotal	\$459,932	N/A	N/A	\$486,106
Total Costs	\$459,932	\$262,458	\$1,140,034	\$748,564
Net Benefit (Cost)	\$573,593	\$157,329	(\$720,248)	\$20,441
Benefit/Cost Ratio	2.25	1.60	0.37	1.03

022 ELECTRIC		GOAL
put Summary and Totals		
ogram "Inputs" per Customer kW and per Participant		
Lifetime (Weighted on Generator kWh)	A	14.5 years
T & D Loss Factor (Energy)	В	6.38%
T & D Loss Factor (Demand)	C	9.13%
Net-to-Gross (Energy)	D	114.85%
Net-to-Gross (Demand)	E	112.80%
Installation Rate (Energy)	F	100.00%
Installation Rate (Demand)	G	100.00%
Net coincident kW Saved at Generator	H	0.28 kW
Gross Annual kWh Saved at Customer	I	759.59 kWł
Net Annual kWh Saved at Generator	J	931.81 kWł
ogram Summary All Participants Total Budget	K	\$262,458
Net coincident kW Saved at Generator	L	210 kW
Gross Annual kWh Saved at Customer	M	569,694 kWl
Net Annual kWh Saved at Generator	N	
Total MTRC Net Benefits with Adder	O	698,861 kW1
		698,861 kWf \$20,441
Total MTRC Net Benefits with Adder Total MTRC Net Benefits without Adder	P	\$20,441
	P	\$20,441
	P K/(A x N)	\$20,441 (\$63,517
Total MTRC Net Benefits without Adder	-	,

WHOLE HOME EFFICIENCY 2021 Net Present Cost Benefit Summary Analysi	e For All Participants			
2021 Net Frescht Gost Benefit Summary Analysi	s For An Farticipants			
	Participant	TTatition.	Rate	Modified
	Participant Test (\$Total)	Utility	Impact Test	Total Resource Test
		Test		
		(\$Total)	(\$Total)	(\$Total)
Benefits				
Avoided Revenue Requirements				
Commodity Cost Reduction	N/A	\$234,334	\$234,334	\$234,334
Variable O&M Savings	N/A	\$3,821	\$3,821	\$3,821
Demand Savings	N/A	\$26,764	\$26,764	\$26,764
Subtotal			,	\$264,918
Non-Energy Benefits Adder (20.0%)				\$52,984
Subtotal	N/A	\$264,918	\$264,918	\$317,902
Participant Benefits				
Bill Reduction - Gas	\$444,790	N/A	N/A	N/A
Participant Rebates and Incentives	\$69,881	N/A	N/A	\$69,881
Incremental Capital Savings	\$0	N/A	N/A	\$0,001
Incremental O&M Savings	\$5,500	N/A	N/A	\$6,380
Subtotal	\$520,171	N/A	N/A	\$76,261
Subtotai	\$320,171	N/A	IN/A	\$70,201
Total Benefits	\$520,171	\$264,918	\$264,918	\$394,163
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$58,811	\$58,811	\$58,811
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$0
Participant Rebates and Incentives	N/A	\$69,881	\$69,881	\$69,881
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$20,000	\$20,000	\$20,000
Subtotal	N/A	\$148,692	\$148,692	\$148,692
Utility Revenue Reduction				
Revenue Reduction - Gas	N/A	N/A	\$417,686	N/A
Subtotal	N/A	N/A	\$417,686	N/A
Participant Costs				
Incremental Capital Costs	\$433,180	N/A	N/A	\$455,163
Incremental O&M Costs	\$0	N/A	N/A	\$0
Subtotal	\$433,180	N/A	N/A	\$455,163
Total Costs	\$433,180	\$148,692	\$566,379	\$603,855
Net Benefit (Cost)	\$86,991	\$116,226	(\$301,460)	(\$209,692)

2021 GAS		GOAL
Input Summary and Totals		
Program "Inputs" per Dth		
Lifetime (Weighted on Dth)	A	16.8 years
Net-to-Gross (Weighted on Dth)	В	111.07%
Install Rate (Weighted on Dth)	С	100.00%
Program Summary per Participant		
Gross Annual Dth Saved	D	12.1
Net Annual Dth Saved	Е	13.5
Program Summary All Participants		
Total Budget	F	\$148,692
Gross Annual Dth Saved	G	6,552 Dth
Net Annual Dth Saved	Н	7,277 Dth
Total MTRC Net Benefits with Adder	I	(\$209,692)
Total MTRC Net Benefits without Adder	J	(\$262,676)
Utility Program Cost per Dth Lifetime	F /(A x H)	\$1.2198

2022 Net Present Cost Benefit Summary Analysi	s For All Participants			
	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
Benefits				
Avoided Revenue Requirements				
Commodity Cost Reduction	N/A	\$318,886	\$318,886	\$318,886
Variable O&M Savings	N/A	\$4,993	\$4,993	\$4,993
Demand Savings	N/A	\$34,972	\$34,972	\$34,972
Subtotal				\$358,850
Non-Energy Benefits Adder (20.0%)				\$71,770
Subtotal	N/A	\$358,850	\$358,850	\$430,620
Participant Benefits				
Bill Reduction - Gas	\$603,966	N/A	N/A	N/A
Participant Rebates and Incentives	\$94,340	N/A	N/A	\$94,340
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$8,669	N/A	N/A	\$10,056
Subtotal	\$706,976	N/A	N/A	\$104,396
Total Benefits	\$706,976	\$358,850	\$358,850	\$535,016
Costs				
Utility Project Costs				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$72,360	\$72,360	\$72,360
Advertising/Promotion/Customer Ed	N/A	\$0	\$0	\$0
Participant Rebates and Incentives	N/A	\$94,340	\$94,340	\$94,340
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$30,000	\$30,000	\$30,000
Subtotal	N/A	\$196,700	\$196,700	\$196,700
Utility Revenue Reduction				
Revenue Reduction - Gas	N/A	N/A	\$568,396	N/A
Subtotal	N/A	N/A	\$568,396	N/A
Participant Costs				
Incremental Capital Costs	\$561,344	N/A	N/A	\$588,723
Incremental O&M Costs	\$0	N/A	N/A	\$0
Subtotal	\$561,344	N/A	N/A	\$588,723
Total Costs	\$561,344	\$196,700	\$765,096	\$785,423
Net Benefit (Cost)	\$145,632	\$162,150	(\$406,245)	(\$250,406)

2022 GAS		GOAL
Input Summary and Totals		
Program "Inputs" per Dth		
Lifetime (Weighted on Dth)	A	16.7 years
Net-to-Gross (Weighted on Dth)	В	111.23%
Install Rate (Weighted on Dth)	С	100.00%
Program Summary per Participant		
Gross Annual Dth Saved	D	11.7
Net Annual Dth Saved	Е	13.1
Program Summary All Participants		
Total Budget	F	\$196,700
Gross Annual Dth Saved	G	8,561 Dth
Net Annual Dth Saved	Н	9,522 Dth
Total MTRC Net Benefits with Adder	I	(\$250,406)
Total MTRC Net Benefits without Adder	J	(\$322,176)
Utility Program Cost per Dth Lifetime	F /(A x H)	\$1.2369