

**COMPRESSED AIR EFFICIENCY**

2022 Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Modified Total Resource Test (\$Total)
<b>Benefits</b>				
<b>Avoided Revenue Requirements</b>				
Generation Capacity	N/A	\$1,022,643	\$1,022,643	\$1,022,643
Trans. & Dist. Capacity	N/A	\$128,073	\$128,073	\$128,073
Marginal Energy	N/A	\$1,295,275	\$1,295,275	\$1,295,275
Avoided Emissions (CO2)	N/A	N/A	N/A	\$972,882
Subtotal				\$3,418,873
Non-Energy Benefits Adder (20.0%)				\$489,198
Subtotal	N/A	\$2,445,991	\$2,445,991	\$3,908,071
<b>Participant Benefits</b>				
Bill Reduction - Electric	\$4,636,656	N/A	N/A	N/A
Participant Rebates and Incentives	\$727,195	N/A	N/A	\$727,195
Incremental Capital Savings	\$0	N/A	N/A	\$0
Incremental O&M Savings	\$16,596	N/A	N/A	\$14,936
Subtotal	\$5,380,447	N/A	N/A	\$742,132
<b>Total Benefits</b>	<b>\$5,380,447</b>	<b>\$2,445,991</b>	<b>\$2,445,991</b>	<b>\$4,650,203</b>
<b>Costs</b>				
<b>Utility Project Costs</b>				
Program Planning & Design	N/A	\$0	\$0	\$0
Administration & Program Delivery	N/A	\$229,742	\$229,742	\$229,742
Advertising/Promotion/Customer Ed	N/A	\$64,800	\$64,800	\$64,800
Participant Rebates and Incentives	N/A	\$727,195	\$727,195	\$727,195
Equipment & Installation	N/A	\$0	\$0	\$0
Measurement and Verification	N/A	\$32,400	\$32,400	\$32,400
Subtotal	N/A	\$1,054,137	\$1,054,137	\$1,054,137
<b>Utility Revenue Reduction</b>				
Revenue Reduction - Electric	N/A	N/A	\$4,636,656	N/A
Subtotal	N/A	N/A	\$4,636,656	N/A
<b>Participant Costs</b>				
Incremental Capital Costs	\$1,630,466	N/A	N/A	\$1,464,218
Incremental O&M Costs	\$0	N/A	N/A	\$0
Subtotal	\$1,630,466	N/A	N/A	\$1,464,218
<b>Total Costs</b>	<b>\$1,630,466</b>	<b>\$1,054,137</b>	<b>\$5,690,794</b>	<b>\$2,518,356</b>
<b>Net Benefit (Cost)</b>	<b>\$3,749,981</b>	<b>\$1,391,854</b>	<b>(\$3,244,802)</b>	<b>\$2,131,847</b>
<b>Benefit/Cost Ratio</b>	<b>3.30</b>	<b>2.32</b>	<b>0.43</b>	<b>1.85</b>

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

**2022**

**ELECTRIC**

**GOAL**

Input Summary and Totals

<b>Program "Inputs" per Customer kW and per Participant</b>		
Lifetime (Weighted on Generator kWh)	A	14.8 years
T & D Loss Factor (Energy)	B	5.33%
T & D Loss Factor (Demand)	C	7.71%
Net-to-Gross (Energy)	D	89.70%
Net-to-Gross (Demand)	E	89.72%
<b>Installation Rate (Energy)</b>	F	<b>100.00%</b>
<b>Installation Rate (Demand)</b>	G	<b>100.00%</b>
Net coincident kW Saved at Generator	H	4.53 kW
Gross Annual kWh Saved at Customer	I	28,663.80 kWh
Net Annual kWh Saved at Generator	J	27,159.50 kWh
<b>Program Summary All Participants</b>		
<b>Total Budget</b>	K	<b>\$1,054,137</b>
<b>Net coincident kW Saved at Generator</b>	L	<b>1,006 kW</b>
Gross Annual kWh Saved at Customer	M	6,363,363 kWh
<b>Net Annual kWh Saved at Generator</b>	N	<b>6,029,410 kWh</b>
<b>Total MTRC Net Benefits with Adder</b>	O	<b>\$2,131,847</b>
<b>Total MTRC Net Benefits without Adder</b>	P	<b>\$1,642,649</b>
<b>Utility Program Cost per kWh Lifetime</b>	K/(A x N)	<b>\$0.0118</b>
<b>Utility Program Cost per kW at Gen</b>	K/ L	<b>\$1,048</b>
<b>Avoided Lifetime CO2 Emissions, Total Program (tons CO2)</b>		<b>24,075</b>