

Executive Summary Table-2024

2024	Electric Participants	Electric Budget	Generator kW	Generator kWh	Participant Test Ratio	Utility Test Ratio	Ratepayer Impact Measure Test Ratio	TRC Ratio
Business Segment								
Lighting Efficiency	180	\$389,418	672	6,091,709	4.33	5.69	0.35	1.41
Business Saver's Switch	20	\$26,150	57	78	INF	1.65	1.64	1.65
Peak and Energy Control	1	\$10,350	174	448	INF	5.67	5.51	5.67
Business Segment Total	201	\$425,918	903	6,092,234	4.33	5.44	0.36	1.44
Residential Segment								
Home Lighting	5,183	\$99,539	146	1,089,357	21.04	4.72	0.24	2.90
Heat Pump Water Heaters	21	\$11,000	8	61,901	5.77	2.06	0.21	1.07
Reidential Demand Response	1,460	\$281,685	734	58,865	2.25	1.57	1.20	1.60
Consumer Education	59,243	\$414,224	N/A	N/A				
Residential Segment Total	59,243	\$414,224	887	1,210,123	9.25	2.26	0.39	1.90
Planning Segment								
Regulatory Affairs	0	\$10,350	0	0				
Planning Segment Total	0	\$10,350	0	0				
PORTFOLIO TOTAL	59,444	\$850,492	1,790	7,302,357	5.06	3.82	0.37	1.55

2024 SD DSM Plan Cost-Effectiveness Analysis

BUSINESS SAVER'S SWITCH						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A	15.0 years	
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B	8760	
Benefits						Gross Customer kW	C	1 kW	
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D	16.75%	
Generation	N/A	\$38,882	\$38,882	\$38,882	\$38,882	Gross Load Factor at Customer	E	0.00%	
T & D	N/A	\$4,177	\$4,177	\$4,177	\$4,177	Transmission Loss Factor (Energy)	F	4.550%	
Marginal Energy	N/A	\$29	\$29	\$29	\$29	Transmission Loss Factor (Demand)	G	5.317%	
Environmental Externality	N/A	N/A	N/A	N/A	\$3	Societal Net Benefit (Cost)	H	\$53	
Subtotal	N/A	\$43,087	\$43,087	\$43,087	\$43,090	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I	16.05 kW	
Bill Reduction - Electric	\$129	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Program Summary All Participants			
Subtotal	\$129	N/A	N/A	\$0	\$0	Total Participants	J	20	
Total Benefits						Total Budget	K	\$26,150	
	\$129	\$43,087	\$43,087	\$43,087	\$43,090	Gross kW Saved at Customer	$(J \times I)$	321.08 kW	
Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		
Utility Project Costs						Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		
Customer Services	N/A	\$16,300	\$16,300	\$16,300	\$16,300	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		
Utility Administration	N/A	\$7,250	\$7,250	\$7,250	\$7,250	Societal Net Benefits	$(J \times I \times H)$		
Advertising & Promotion	N/A	\$2,600	\$2,600	\$2,600	\$2,600	Utility Program Cost per kWh Lifetime			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen			
Rebates	N/A	\$0	\$0	\$0	\$0			\$22.4863	
Other	N/A	\$0	\$0	\$0	\$0			\$461	
Subtotal	N/A	\$26,150	\$26,150	\$26,150	\$26,150				
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$129	N/A	N/A				
Subtotal	N/A	N/A	\$129	N/A	N/A				
Participant Costs									
Incremental Capital Costs	\$0	N/A	N/A	\$0	\$0				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$0	N/A	N/A	\$0	\$0				
Total Costs									
	\$0	\$26,150	\$26,279	\$26,150	\$26,150				
Net Benefit (Cost)									
	\$129	\$16,937	\$16,808	\$16,937	\$16,940				
Benefit/Cost Ratio									
	INF	1.65	1.64	1.65	1.65				

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

2024 SD DSM Plan Cost-Effectiveness Analysis

BUSINESS SEGMENT TOTAL					
2024 Net Present Cost Benefit Summary Analysis For All Participants					
	Participant	Utility	Rate	Total	Societal
	Test	Test	Impact	Resource	Test
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	\$552,832	\$552,832	\$552,832	\$552,832
T & D	N/A	\$96,212	\$96,212	\$96,212	\$96,212
Marginal Energy	N/A	\$1,669,283	\$1,669,283	\$1,669,283	\$1,669,283
Environmental Externality	N/A	N/A	N/A	N/A	\$964
Subtotal	N/A	\$2,318,327	\$2,318,327	\$2,318,327	\$2,319,291
Participant Benefits					
Bill Reduction - Electric	\$5,933,276	N/A	N/A	N/A	N/A
Rebates from Xcel Energy	\$341,418	N/A	N/A	\$341,418	\$341,418
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0
Incremental O&M Savings	\$49,410	N/A	N/A	\$49,410	\$49,410
Subtotal	\$6,324,104	N/A	N/A	\$390,828	\$390,828
Total Benefits	\$6,324,104	\$2,318,327	\$2,318,327	\$2,709,155	\$2,710,119
Costs					
Utility Project Costs					
Customer Services	N/A	\$16,300	\$16,300	\$16,300	\$16,300
Utility Administration	N/A	\$40,600	\$40,600	\$40,600	\$40,600
Advertising & Promotion	N/A	\$27,600	\$27,600	\$27,600	\$27,600
Measurement & Verification	N/A	\$0	\$0	\$0	\$0
Rebates	N/A	\$341,418	\$341,418	\$341,418	\$341,418
Other	N/A	\$0	\$0	\$0	\$0
Subtotal	N/A	\$425,918	\$425,918	\$425,918	\$425,918
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$5,933,276	N/A	N/A
Subtotal	N/A	N/A	\$5,933,276	N/A	N/A
Participant Costs					
Incremental Capital Costs	\$1,460,558	N/A	N/A	\$1,460,558	\$1,460,558
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0
Subtotal	\$1,460,558	N/A	N/A	\$1,460,558	\$1,460,558
Total Costs	\$1,460,558	\$425,918	\$6,359,194	\$1,886,475	\$1,886,475
Net Benefit (Cost)	\$4,863,547	\$1,892,409	(\$4,040,867)	\$822,680	\$823,644
Benefit/Cost Ratio	4.33	5.44	0.36	1.44	1.44

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

2024 ELECTRIC		GOAL
Input Summary and Totals		
Program "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	15.9 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	50.76%
Gross Load Factor at Customer	E	39.43%
Transmission Loss Factor (Energy)	F	4.550%
Transmission Loss Factor (Demand)	G	5.317%
Societal Net Benefit (Cost)	H	\$489
Program Summary per Participant		
Gross kW Saved at Customer	I	8.38 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$	4.49 kW
Gross Annual kWh Saved at Customer	$(B \times E \times I)$	28,931 kWh
Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$	30,310 kWh
Program Summary All Participants		
Total Participants	J	201
Total Budget	K	\$425,918
Gross kW Saved at Customer	$(J \times I)$	1,683.62 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	903 kW
Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$	5,815,037 kWh
Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$	6,092,234 kWh
Societal Net Benefits	$(J \times I \times H)$	\$823,644
Utility Program Cost per kWh Lifetime		\$0.0044
Utility Program Cost per kW at Gen		\$472

CONSUMER EDUCATION						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A	0.0	years
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B	8760	
Benefits						Gross Customer kW	C	1	kW
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D	#DIV/0!	
Generation	N/A	\$0	\$0	\$0	\$0	Gross Load Factor at Customer	E	#DIV/0!	
T & D	N/A	\$0	\$0	\$0	\$0	Transmission Loss Factor (Energy)	F	0.000%	
Marginal Energy	N/A	\$0	\$0	\$0	\$0	Transmission Loss Factor (Demand)	G	0.000%	
Environmental Externality	N/A	N/A	N/A	N/A	N/A	Societal Net Benefit (Cost)	H	#DIV/0!	
Subtotal	N/A	\$0	\$0	\$0	\$0	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I	0.00	kW
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		#DIV/0!
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		#DIV/0!
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		#DIV/0!
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Program Summary All Participants			
Subtotal	\$0	N/A	N/A	\$0	\$0	Total Participants	J	52,579	
Total Benefits						Total Budget	K	\$22,000	
	\$0	\$0	\$0	\$0	\$0	Gross kW Saved at Customer	$(J \times I)$		0.00 kW
Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		#DIV/0!
Utility Project Costs						Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		#DIV/0!
Customer Services	N/A	\$22,000	\$22,000	\$22,000	\$22,000	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		#DIV/0!
Utility Administration	N/A	\$0	\$0	\$0	\$0	Societal Net Benefits	$(J \times I \times H)$		#DIV/0!
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime			#DIV/0!
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen			#DIV/0!
Rebates	N/A	\$0	\$0	\$0	\$0				
Other	N/A	\$0	\$0	\$0	\$0				
Subtotal	N/A	\$22,000	\$22,000	\$22,000	\$22,000				
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$0	N/A	N/A				
Subtotal	N/A	N/A	\$0	N/A	N/A				
Participant Costs									
Incremental Capital Costs	\$0	N/A	N/A	\$0	\$0				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$0	N/A	N/A	\$0	\$0				
Total Costs									
	\$0	\$22,000	\$22,000	\$22,000	\$22,000				
Net Benefit (Cost)									
	\$0	(\$22,000)	(\$22,000)	(\$22,000)	(\$22,000)				
Benefit/Cost Ratio									
	INF	-	-	-	-				

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

HEAT PUMP WATER HEATERS						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A		13.0 years
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B		8760
Benefits						Gross Customer kW	C		1 kW
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D		100.00%
Generation	N/A	\$4,950	\$4,950	\$4,950	\$4,950	Gross Load Factor at Customer	E		89.75%
T & D	N/A	\$884	\$884	\$884	\$884	Transmission Loss Factor (Energy)	F		5.630%
Marginal Energy	N/A	\$16,801	\$16,801	\$16,801	\$16,801	Transmission Loss Factor (Demand)	G		6.900%
Environmental Externality	N/A	N/A	N/A	N/A	\$1	Societal Net Benefit (Cost)	H		\$282
Subtotal	N/A	\$22,635	\$22,635	\$22,635	\$22,636	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I		0.35 kW
Bill Reduction - Electric	\$95,162	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		0.38 kW
Rebates from Xcel Energy	\$8,400	N/A	N/A	\$8,400	\$8,400	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		2,782 kWh
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		2,948 kWh
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Program Summary All Participants			
Subtotal	\$103,562	N/A	N/A	\$8,400	\$8,400	Total Participants	J		21
Total Benefits						Total Budget	K		\$11,000
	\$103,562	\$22,635	\$22,635	\$31,035	\$31,036	Gross kW Saved at Customer	$(J \times I)$		7.43 kW
Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		8 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		58,416 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		61,901 kWh
Utility Administration	N/A	\$2,600	\$2,600	\$2,600	\$2,600	Societal Net Benefits	$(J \times I \times H)$		\$2,098
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen			
Rebates	N/A	\$8,400	\$8,400	\$8,400	\$8,400				\$0.0137
Other	N/A	\$0	\$0	\$0	\$0				\$1,378
Subtotal	N/A	\$11,000	\$11,000	\$11,000	\$11,000	Net Benefit (Cost)			
Utility Revenue Reduction									\$85,624
Revenue Reduction - Electric	N/A	N/A	\$95,162	N/A	N/A	Benefit/Cost Ratio			
Subtotal	N/A	N/A	\$95,162	N/A	N/A				5.77
Participant Costs									2.06
Incremental Capital Costs	\$16,464	N/A	N/A	\$16,464	\$16,464				0.21
Incremental O&M Costs	\$1,474	N/A	N/A	\$1,474	\$1,474				1.07
Subtotal	\$17,938	N/A	N/A	\$17,938	\$17,938	Net Benefit (Cost)			
Total Costs									\$85,624
	\$17,938	\$11,000	\$106,162	\$28,938	\$28,938	Benefit/Cost Ratio			
	\$85,624	\$11,635	(\$83,527)	\$2,097	\$2,098				5.77
	5.77	2.06	0.21	1.07	1.07	Net Benefit (Cost)			

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

HOME LIGHTING						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A		15.7 years
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B		8760
Benefits						Gross Customer kW	C		1 kW
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D		17.01%
Generation	N/A	\$95,427	\$95,427	\$95,427	\$95,427	Gross Load Factor at Customer	E		14.75%
T & D	N/A	\$17,152	\$17,152	\$17,152	\$17,152	Transmission Loss Factor (Energy)	F		5.333%
Marginal Energy	N/A	\$357,168	\$357,168	\$357,168	\$357,168	Transmission Loss Factor (Demand)	G		6.795%
Environmental Externality	N/A	N/A	N/A	N/A	\$5,103	Societal Net Benefit (Cost)	H		\$461
Subtotal	N/A	\$469,747	\$469,747	\$469,747	\$474,850	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I		0.15 kW
Bill Reduction - Electric	\$1,829,966	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		0.03 kW
Rebates from Xcel Energy	\$83,289	N/A	N/A	\$83,289	\$83,289	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		199 kWh
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		210 kWh
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Program Summary All Participants			
Subtotal	\$1,913,255	N/A	N/A	\$83,289	\$83,289	Total Participants	J		5,183
Total Benefits						Total Budget	K		\$99,539
	\$1,913,255	\$469,747	\$469,747	\$553,036	\$558,139	Gross kW Saved at Customer	$(J \times I)$		797.98 kW
Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		146 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		1,031,267 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		1,089,357 kWh
Utility Administration	N/A	\$13,250	\$13,250	\$13,250	\$13,250	Societal Net Benefits	$(J \times I \times H)$		\$367,656
Advertising & Promotion	N/A	\$3,000	\$3,000	\$3,000	\$3,000	Utility Program Cost per kWh Lifetime			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen			
Rebates	N/A	\$83,289	\$83,289	\$83,289	\$83,289	\$0.0058			
Other	N/A	\$0	\$0	\$0	\$0	\$684			
Subtotal	N/A	\$99,539	\$99,539	\$99,539	\$99,539				
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$1,829,966	N/A	N/A				
Subtotal	N/A	N/A	\$1,829,966	N/A	N/A				
Participant Costs									
Incremental Capital Costs	\$90,944	N/A	N/A	\$90,944	\$90,944				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$90,944	N/A	N/A	\$90,944	\$90,944				
Total Costs									
	\$90,944	\$99,539	\$1,929,505	\$190,483	\$190,483				
Net Benefit (Cost)									
	\$1,822,311	\$370,208	(\$1,459,758)	\$362,553	\$367,656				
Benefit/Cost Ratio									
	21.04	4.72	0.24	2.90	2.93				

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

LIGHTING EFFICIENCY						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A	15.9 years	
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B	8760	
Benefits						Gross Customer kW	C	1 kW	
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D	53.12%	
Generation	N/A	\$464,124	\$464,124	\$464,124	\$464,124	Gross Load Factor at Customer	E	55.39%	
T & D	N/A	\$83,244	\$83,244	\$83,244	\$83,244	Transmission Loss Factor (Energy)	F	4.550%	
Marginal Energy	N/A	\$1,669,188	\$1,669,188	\$1,669,188	\$1,669,188	Transmission Loss Factor (Demand)	G	5.317%	
Environmental Externality	N/A	N/A	N/A	N/A	\$961	Societal Net Benefit (Cost)	H	\$633	
Subtotal	N/A	\$2,216,556	\$2,216,556	\$2,216,556	\$2,217,518	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I	6.66 kW	
Bill Reduction - Electric	\$5,932,847	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		
Rebates from Xcel Energy	\$341,418	N/A	N/A	\$341,418	\$341,418	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		
Incremental O&M Savings	\$49,410	N/A	N/A	\$49,410	\$49,410	Program Summary All Participants			
Subtotal	\$6,323,675	N/A	N/A	\$390,828	\$390,828	Total Participants	J	180	
Total Benefits						Total Budget	K	\$389,418	
Costs						Gross kW Saved at Customer	$(J \times I)$	1,198.26 kW	
Utility Project Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		
Customer Services	N/A	\$0	\$0	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		
Utility Administration	N/A	\$23,000	\$23,000	\$23,000	\$23,000	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		
Advertising & Promotion	N/A	\$25,000	\$25,000	\$25,000	\$25,000	Societal Net Benefits	$(J \times I \times H)$		
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime			
Rebates	N/A	\$341,418	\$341,418	\$341,418	\$341,418	Utility Program Cost per kW at Gen			
Other	N/A	\$0	\$0	\$0	\$0	\$0.0040			
Subtotal	N/A	\$389,418	\$389,418	\$389,418	\$389,418	\$579			
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$5,932,847	N/A	N/A				
Subtotal	N/A	N/A	\$5,932,847	N/A	N/A				
Participant Costs									
Incremental Capital Costs	\$1,460,558	N/A	N/A	\$1,460,558	\$1,460,558				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$1,460,558	N/A	N/A	\$1,460,558	\$1,460,558				
Total Costs									
Net Benefit (Cost)									
Benefit/Cost Ratio									
Net Benefit (Cost)	\$4,863,118	\$1,827,139	(\$4,105,709)	\$757,409	\$758,370				
Benefit/Cost Ratio	4.33	5.69	0.35	1.41	1.41				

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

2024 SD DSM Plan Cost-Effectiveness Analysis

PEAK AND ENERGY CONTROL						2024 ELECTRIC			GOAL		
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals					
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW					
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A	5.0	years		
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B	8760			
Benefits						Gross Customer kW	C	1	kW		
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D	100.00%			
Generation	N/A	\$49,827	\$49,827	\$49,827	\$49,827	Gross Load Factor at Customer	E	0.03%			
T & D	N/A	\$8,791	\$8,791	\$8,791	\$8,791	Transmission Loss Factor (Energy)	F	4.550%			
Marginal Energy	N/A	\$66	\$66	\$66	\$66	Transmission Loss Factor (Demand)	G	5.317%			
Environmental Externality	N/A	N/A	N/A	N/A	\$0	Societal Net Benefit (Cost)	H	\$294			
Subtotal	N/A	\$58,683	\$58,683	\$58,683	\$58,683	Program Summary per Participant					
Participant Benefits						Gross kW Saved at Customer	I	164.29	kW		
Bill Reduction - Electric	\$299	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		173.52 kW		
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		427 kWh		
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		448 kWh		
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Program Summary All Participants					
Subtotal	\$299	N/A	N/A	\$0	\$0	Total Participants	J	1			
Total Benefits						Total Budget	K	\$10,350			
	\$299	\$58,683	\$58,683	\$58,683	\$58,683	Gross kW Saved at Customer	$(J \times I)$		164.29 kW		
Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		174 kW		
Utility Project Costs						Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		427 kWh		
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		448 kWh		
Utility Administration	N/A	\$10,350	\$10,350	\$10,350	\$10,350	Societal Net Benefits	$(J \times I \times H)$		\$48,333		
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime					
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen					
Rebates	N/A	\$0	\$0	\$0	\$0			\$4.6256			
Other	N/A	\$0	\$0	\$0	\$0			\$60			
Subtotal	N/A	\$10,350	\$10,350	\$10,350	\$10,350	Utility Revenue Reduction					
Utility Revenue Reduction						Revenue Reduction - Electric	N/A	N/A	\$299	N/A	
Subtotal	N/A	N/A	\$299	N/A	N/A	Participant Costs					
Participant Costs						Incremental Capital Costs	\$0	N/A	N/A	\$0	
Incremental Capital Costs	\$0	N/A	N/A	\$0	\$0	Incremental O&M Costs	\$0	N/A	N/A	\$0	
Subtotal	\$0	N/A	N/A	\$0	\$0	Total Costs					
Total Costs							\$0	\$10,350	\$10,649	\$10,350	\$10,350
Net Benefit (Cost)							\$299	\$48,333	\$48,034	\$48,333	\$48,333
Benefit/Cost Ratio							INF	5.67	5.51	5.67	5.67

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

PLANNING SEGMENT TOTAL					
2024 Net Present Cost Benefit Summary Analysis For All Participants					
	Participant	Utility	Rate	Total	Societal
	Test	Test	Impact	Resource	Test
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	\$0	\$0	\$0	\$0
T & D	N/A	\$0	\$0	\$0	\$0
Marginal Energy	N/A	\$0	\$0	\$0	\$0
Environmental Externality	N/A	N/A	N/A	N/A	\$0
Subtotal	N/A	\$0	\$0	\$0	\$0
Participant Benefits					
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0
Subtotal	\$0	N/A	N/A	\$0	\$0
Total Benefits	\$0	\$0	\$0	\$0	\$0
Costs					
Utility Project Costs					
Customer Services	N/A	\$0	\$0	\$0	\$0
Utility Administration	N/A	\$10,350	\$10,350	\$10,350	\$10,350
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0
Measurement & Verification	N/A	\$0	\$0	\$0	\$0
Rebates	N/A	\$0	\$0	\$0	\$0
Other	N/A	\$0	\$0	\$0	\$0
Subtotal	N/A	\$10,350	\$10,350	\$10,350	\$10,350
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$0	N/A	N/A
Subtotal	N/A	N/A	\$0	N/A	N/A
Participant Costs					
Incremental Capital Costs	\$0	N/A	N/A	\$0	\$0
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0
Subtotal	\$0	N/A	N/A	\$0	\$0
Total Costs	\$0	\$10,350	\$10,350	\$10,350	\$10,350
Net Benefit (Cost)	\$0	(\$10,350)	(\$10,350)	(\$10,350)	(\$10,350)
Benefit/Cost Ratio	INF	-	-	-	-

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

2024 ELECTRIC		GOAL
Input Summary and Totals		
Program "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	0.0 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!
Transmission Loss Factor (Energy)	F	0.000%
Transmission Loss Factor (Demand)	G	0.000%
Societal Net Benefit (Cost)	H	#DIV/0!
Program Summary per Participant		
Gross kW Saved at Customer	I	#DIV/0!
Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$	#DIV/0!
Gross Annual kWh Saved at Customer	$(B \times E \times I)$	#DIV/0!
Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$	#DIV/0!
Program Summary All Participants		
Total Participants	J	0
Total Budget	K	\$10,350
Gross kW Saved at Customer	$(J \times I)$	#DIV/0!
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	#DIV/0!
Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$	#DIV/0!
Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$	#DIV/0!
Societal Net Benefits	$(J \times I \times H)$	#DIV/0!
Utility Program Cost per kWh Lifetime		#DIV/0!
Utility Program Cost per kW at Gen		#DIV/0!

PORTFOLIO TOTAL					
2024 Net Present Cost Benefit Summary Analysis For All Participants					
	Participant	Utility	Rate	Total	Societal
	Test	Test	Impact	Resource	Test
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	\$1,036,581	\$1,036,581	\$1,036,581	\$1,036,581
T & D	N/A	\$158,048	\$158,048	\$158,048	\$158,048
Marginal Energy	N/A	\$2,058,112	\$2,058,112	\$2,058,112	\$2,058,112
Environmental Externality	N/A	N/A	N/A	N/A	\$6,141
Subtotal	N/A	\$3,252,741	\$3,252,741	\$3,252,741	\$3,258,882
Participant Benefits					
Bill Reduction - Electric	\$7,943,956	N/A	N/A	N/A	N/A
Rebates from Xcel Energy	\$486,107	N/A	N/A	\$486,107	\$486,107
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0
Incremental O&M Savings	\$238,392	N/A	N/A	\$238,392	\$238,392
Subtotal	\$8,668,455	N/A	N/A	\$724,499	\$724,499
Total Benefits	\$8,668,455	\$3,252,741	\$3,252,741	\$3,977,240	\$3,983,381
Costs					
Utility Project Costs					
Customer Services	N/A	\$193,700	\$193,700	\$193,700	\$193,700
Utility Administration	N/A	\$128,235	\$128,235	\$128,235	\$128,235
Advertising & Promotion	N/A	\$42,450	\$42,450	\$42,450	\$42,450
Measurement & Verification	N/A	\$0	\$0	\$0	\$0
Rebates	N/A	\$486,107	\$486,107	\$486,107	\$486,107
Other	N/A	\$0	\$0	\$0	\$0
Subtotal	N/A	\$850,492	\$850,492	\$850,492	\$850,492
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$7,943,956	N/A	N/A
Subtotal	N/A	N/A	\$7,943,956	N/A	N/A
Participant Costs					
Incremental Capital Costs	\$1,713,965	N/A	N/A	\$1,713,965	\$1,713,965
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0
Subtotal	\$1,713,965	N/A	N/A	\$1,713,965	\$1,713,965
Total Costs	\$1,713,965	\$850,492	\$8,794,448	\$2,564,457	\$2,564,457
Net Benefit (Cost)	\$6,954,490	\$2,402,250	(\$5,541,707)	\$1,412,783	\$1,418,924
Benefit/Cost Ratio	5.06	3.82	0.37	1.55	1.55

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

2024 ELECTRIC		GOAL
Input Summary and Totals		
Program "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	15.8 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	37.48%
Gross Load Factor at Customer	E	17.76%
Transmission Loss Factor (Energy)	F	4.685%
Transmission Loss Factor (Demand)	G	6.292%
Societal Net Benefit (Cost)	H	\$317
Program Summary per Participant		
Gross kW Saved at Customer	I	0.08 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$	0.03 kW
Gross Annual kWh Saved at Customer	$(B \times E \times I)$	117 kWh
Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$	123 kWh
Program Summary All Participants		
Total Participants	J	59,444
Total Budget	K	\$850,492
Gross kW Saved at Customer	$(J \times I)$	4,474.88 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	1,790 kW
Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$	6,960,271 kWh
Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$	7,302,357 kWh
Societal Net Benefits	$(J \times I \times H)$	\$1,418,924
Utility Program Cost per kWh Lifetime		\$0.0074
Utility Program Cost per kW at Gen		\$475

REGULATORY AFFAIRS						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant Test (\$Total)	Utility Test (\$Total)	Rate Impact Test (\$Total)	Total Resource Test (\$Total)	Societal Test (\$Total)	Program "Inputs" per Customer kW			
Benefits						Lifetime (Weighted on Generator kWh)	A	0.0	years
Avoided Revenue Requirements						Annual Hours	B	8760	
Generation	N/A	\$0	\$0	\$0	\$0	Gross Customer kW	C	1	kW
T & D	N/A	\$0	\$0	\$0	\$0	Generator Peak Coincidence Factor	D	#DIV/0!	
Marginal Energy	N/A	\$0	\$0	\$0	\$0	Gross Load Factor at Customer	E	#DIV/0!	
Environmental Externality	N/A	N/A	N/A	N/A	\$0	Transmission Loss Factor (Energy)	F	0.000%	
Subtotal	N/A	\$0	\$0	\$0	\$0	Transmission Loss Factor (Demand)	G	0.000%	
Participant Benefits						Societal Net Benefit (Cost)	H	#DIV/0!	
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A	Program Summary per Participant			
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Gross kW Saved at Customer	I	#DIV/0!	
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		
Subtotal	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		
Total Benefits						\$0	\$0	\$0	\$0
Costs						Program Summary All Participants			
Utility Project Costs						Total Participants	J	0	
Customer Services	N/A	\$0	\$0	\$0	\$0	Total Budget	K	\$10,350	
Utility Administration	N/A	\$10,350	\$10,350	\$10,350	\$10,350	Gross kW Saved at Customer	$(J \times I)$		
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0	Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		
Rebates	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		
Other	N/A	\$0	\$0	\$0	\$0	Societal Net Benefits	$(J \times I \times H)$		
Subtotal	N/A	\$10,350	\$10,350	\$10,350	\$10,350	Utility Program Cost per kWh Lifetime			
Utility Revenue Reduction						Utility Program Cost per kW at Gen			
Revenue Reduction - Electric	N/A	N/A	\$0	N/A	N/A	#DIV/0!			
Subtotal	N/A	N/A	\$0	N/A	N/A	#DIV/0!			
Participant Costs									
Incremental Capital Costs	\$0	N/A	N/A	\$0	\$0				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$0	N/A	N/A	\$0	\$0				
Total Costs						\$0	\$10,350	\$10,350	\$10,350
Net Benefit (Cost)						\$0	(\$10,350)	(\$10,350)	(\$10,350)
Benefit/Cost Ratio						INF	-	-	-

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

2024 SD DSM Plan Cost-Effectiveness Analysis

RESIDENTIAL DEMAND RESPONSE						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A	10.0 years	
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B	8760	
Benefits						Gross Customer kW	C	1 kW	
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D	34.39%	
Generation	N/A	\$383,371	\$383,371	\$383,371	\$383,371	Gross Load Factor at Customer	E	0.32%	
T & D	N/A	\$43,800	\$43,800	\$43,800	\$43,800	Transmission Loss Factor (Energy)	F	5.630%	
Marginal Energy	N/A	\$14,861	\$14,861	\$14,861	\$14,861	Transmission Loss Factor (Demand)	G	6.900%	
Environmental Externality	N/A	N/A	N/A	N/A	\$72	Societal Net Benefit (Cost)	H	\$130	
Subtotal	N/A	\$442,032	\$442,032	\$442,032	\$442,104	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I	1.36 kW	
Bill Reduction - Electric	\$85,553	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		
Rebates from Xcel Energy	\$53,000	N/A	N/A	\$53,000	\$53,000	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		
Incremental O&M Savings	\$190,456	N/A	N/A	\$190,456	\$190,456	Program Summary All Participants			
Subtotal	\$329,008	N/A	N/A	\$243,456	\$243,456	Total Participants	J	1,460	
Total Benefits						Total Budget	K	\$281,685	
	\$329,008	\$442,032	\$442,032	\$685,488	\$685,560	Gross kW Saved at Customer	$(J \times I)$	1,985.85 kW	
Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		
Utility Project Costs						Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		
Customer Services	N/A	\$155,400	\$155,400	\$155,400	\$155,400	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		
Utility Administration	N/A	\$61,435	\$61,435	\$61,435	\$61,435	Societal Net Benefits	$(J \times I \times H)$		
Advertising & Promotion	N/A	\$11,850	\$11,850	\$11,850	\$11,850	Utility Program Cost per kWh Lifetime			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen			
Rebates	N/A	\$53,000	\$53,000	\$53,000	\$53,000			\$0.4779	
Other	N/A	\$0	\$0	\$0	\$0			\$384	
Subtotal	N/A	\$281,685	\$281,685	\$281,685	\$281,685	Net Benefit (Cost)			
Utility Revenue Reduction								\$183,008	
Revenue Reduction - Electric	N/A	N/A	\$85,553	N/A	N/A	Benefit/Cost Ratio			
Subtotal	N/A	N/A	\$85,553	N/A	N/A			2.25	
Participant Costs								1.57	
Incremental Capital Costs	\$146,000	N/A	N/A	\$146,000	\$146,000			1.20	
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0			1.60	
Subtotal	\$146,000	N/A	N/A	\$146,000	\$146,000			1.60	
Total Costs									
	\$146,000	\$281,685	\$367,238	\$427,685	\$427,685				

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

2024 SD DSM Plan Cost-Effectiveness Analysis

RESIDENTIAL SEGMENT TOTAL						2024 ELECTRIC			GOAL
2024 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total	Societal	Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Test	Lifetime (Weighted on Generator kWh)	A	15.3 years	
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Annual Hours	B	8760	
Benefits						Gross Customer kW	C	1 kW	
Avoided Revenue Requirements						Generator Peak Coincidence Factor	D	29.60%	
Generation	N/A	\$483,748	\$483,748	\$483,748	\$483,748	Gross Load Factor at Customer	E	4.68%	
T & D	N/A	\$61,836	\$61,836	\$61,836	\$61,836	Transmission Loss Factor (Energy)	F	5.362%	
Marginal Energy	N/A	\$388,830	\$388,830	\$388,830	\$388,830	Transmission Loss Factor (Demand)	G	6.870%	
Environmental Externality	N/A	N/A	N/A	N/A	\$5,177	Societal Net Benefit (Cost)	H	\$217	
Subtotal	N/A	\$934,414	\$934,414	\$934,414	\$939,591	Program Summary per Participant			
Participant Benefits						Gross kW Saved at Customer	I	0.05 kW	
Bill Reduction - Electric	\$2,010,680	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$		
Rebates from Xcel Energy	\$144,689	N/A	N/A	\$144,689	\$144,689	Gross Annual kWh Saved at Customer	$(B \times E \times I)$		
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$		
Incremental O&M Savings	\$188,982	N/A	N/A	\$188,982	\$188,982	Program Summary All Participants			
Subtotal	\$2,344,351	N/A	N/A	\$333,671	\$333,671	Total Participants	J	59,243	
Total Benefits						Total Budget	K	\$414,224	
Costs						Gross kW Saved at Customer	$(J \times I)$	2,791.26 kW	
Utility Project Costs						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$		
Customer Services	N/A	\$177,400	\$177,400	\$177,400	\$177,400	Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$		
Utility Administration	N/A	\$77,285	\$77,285	\$77,285	\$77,285	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$		
Advertising & Promotion	N/A	\$14,850	\$14,850	\$14,850	\$14,850	Societal Net Benefits	$(J \times I \times H)$		
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime			
Rebates	N/A	\$144,689	\$144,689	\$144,689	\$144,689	Utility Program Cost per kW at Gen			
Other	N/A	\$0	\$0	\$0	\$0	\$0.0224			
Subtotal	N/A	\$414,224	\$414,224	\$414,224	\$414,224	\$467			
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$2,010,680	N/A	N/A				
Subtotal	N/A	N/A	\$2,010,680	N/A	N/A				
Participant Costs									
Incremental Capital Costs	\$253,408	N/A	N/A	\$253,408	\$253,408				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$253,408	N/A	N/A	\$253,408	\$253,408				
Total Costs									
	\$253,408	\$414,224	\$2,424,904	\$667,632	\$667,632				
Net Benefit (Cost)	\$2,090,943	\$520,190	(\$1,490,490)	\$600,453	\$605,629				
Benefit/Cost Ratio	9.25	2.26	0.39	1.90	1.91				

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