

Executive Summary Table - 2025																
Goal					Actual								Actual Test Results			
2025	Electric Participants	Electric Budget	Generator kW	Generator kWh	Electric Participants	Percent of Goal	Electric Budget	Percent of Goal	Generator kW	Percent of Goal	Generator kWh	Percent of Goal	Participant Test Ratio	Utility Test Ratio	Ratepayer Impact Measure Test Ratio	TRC Ratio
Business Segment																
Lighting Efficiency	152	\$235,965	429	3,227,941	140	92%	\$310,298	132%	601	140%	3,887,928	120%	3.32	6.46	0.60	1.75
Business Saver's Switch	20	\$26,500	57	78	34	170%	\$23,413	88%	46	136%	65	84%	INF	2.44	2.43	2.44
Peak and Energy Control	1	\$10,000	174	448	0	0%	\$11,968	120%	0	INF	0	0%		0.00	0.00	0.00
Total	173	\$272,465	659	3,228,466	174	101%	\$345,680	127%	648	372%	3,887,993	120%	3.32	5.96	0.61	1.75
Residential Segment																
Home Lighting	5,183	\$85,999	144	1,086,707	9,147	176%	\$187,851	218%	177	123%	1,482,154	136%	13.47	4.35	0.44	3.01
Heat Pump Water Heaters	0	\$0	0	0	0	INF	\$0	INF	0	INF	0	INF	N/A	N/A	N/A	N/A
Residential Demand Response	1,860	\$404,250	1,017	59,253	1,166	63%	\$296,454	73%	1,276	125%	1,515	3%	INF	4.54	4.52	4.70
Consumer Education	30,000	\$22,000	N/A	N/A	30,000	100%	\$23,875	109%	N/A	N/A	N/A	N/A				
Residential Segment Total	37,043	\$512,249	1,160	1,145,960	40,313	109%	\$508,180	99%	1,453	125%	1,483,669	129%	13.82	4.26	0.98	3.67
Planning Segment																
Regulatory Affairs	0	\$10,800	0	0	0	INF	\$8,934	83%	0	N/A	0	INF				
Total	0	\$10,800	0	0	0	INF	\$8,934	83%	0	N/A	0	INF				
PORTFOLIO TOTAL	37,216	\$795,514	1,819	4,374,426	40,487	109%	\$862,793	108%	2,100	115%	5,371,662	123%	4.60	4.90	0.76	2.36

2025 SD DSM Status Report Cost-Effectiveness Analysis

LIGHTING EFFICIENCY						2025 ELECTRIC		Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals		
						Program "Inputs" per Customer kW		
	Participant	Utility	Rate	Total	Societal	Lifetime (Weighted on Generator kWh)	A	12.2 years
	Test	Test	Impact	Resource	Test	Annual Hours	B	8760
	(\$Total)	(\$Total)	Test	Test	Test	Gross Customer kW	C	1 kW
			(\$Total)	(\$Total)	(\$Total)	Generator Peak Coincidence Factor	D	53.40%
Benefits						Gross Load Factor at Customer	E	39.73%
						Transmission Loss Factor (Energy)	F	4.550%
						Transmission Loss Factor (Demand)	G	5.318%
						Societal Net Benefit (Cost)	H	\$1,129
Avoided Revenue Requirements								
Generation	N/A	\$533,981	\$533,981	\$533,981	\$533,981			
T & D	N/A	\$60,709	\$60,709	\$60,709	\$60,709			
Marginal Energy	N/A	\$1,408,456	\$1,408,456	\$1,408,456	\$1,408,456			
Environmental Externality	N/A	N/A	N/A	N/A	N/A			
Subtotal	N/A	\$2,003,146	\$2,003,146	\$2,003,146	\$2,232,643			
Participant Benefits								
Bill Reduction - Electric	\$3,012,004	N/A	N/A	N/A	N/A			
Rebates from Xcel Energy	\$270,846	N/A	N/A	\$270,846	\$270,846			
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0			
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$3,282,850	N/A	N/A	\$270,846	\$270,846			
Total Benefits	\$3,282,850	\$2,003,146	\$2,003,146	\$2,273,992	\$2,503,489			
Costs								
Utility Project Costs								
Customer Services	N/A	\$0	\$0	\$0	\$0			
Utility Administration	N/A	\$4,917	\$4,917	\$4,917	\$4,917			
Advertising & Promotion	N/A	\$34,535	\$34,535	\$34,535	\$34,535			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$270,846	\$270,846	\$270,846	\$270,846			
Other	N/A	\$0	\$0	\$0	\$0			
Subtotal	N/A	\$310,298	\$310,298	\$310,298	\$310,298			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$3,012,004	N/A	N/A			
Subtotal	N/A	N/A	\$3,012,004	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$824,502	N/A	N/A	\$824,502	\$824,502			
Incremental O&M Costs	\$164,349	N/A	N/A	\$164,349	\$164,349			
Subtotal	\$988,851	N/A	N/A	\$988,851	\$988,851			
Total Costs	\$988,851	\$310,298	\$3,322,303	\$1,299,149	\$1,299,149			
Net Benefit (Cost)	\$2,293,999	\$1,692,847	(\$1,319,157)	\$974,842	\$1,204,340			
Benefit/Cost Ratio	3.32	6.46	0.60	1.75	1.93			

2025 ELECTRIC		Actual
Input Summary and Totals		
Program "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	12.2 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	53.40%
Gross Load Factor at Customer	E	39.73%
Transmission Loss Factor (Energy)	F	4.550%
Transmission Loss Factor (Demand)	G	5.318%
Societal Net Benefit (Cost)	H	\$1,129
Program Summary per Participant		
Gross kW Saved at Customer	I	7.62 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	4.30 kW
Gross Annual kWh Saved at Customer	(B x E x I)	26,507 kWh
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	27,771 kWh
Program Summary All Participants		
Total Participants	J	140
Total Budget	K	\$310,298
Gross kW Saved at Customer	(J x I)	1,066.26 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	601 kW
Gross Annual kWh Saved at Customer	(B x E x I) x J	3,711,027 kWh
Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	3,887,928 kWh
Societal Net Benefits	(J x I x H)	\$1,204,340
Utility Program Cost per kWh Lifetime		\$0.0065
Utility Program Cost per kW at Gen		\$516

2025 SD DSM Status Report Cost-Effectiveness Analysis

BUSINESS SAVER'S SWITCH						2025 ELECTRIC			Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total		Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Societal				
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)				
Benefits									
Avoided Revenue Requirements									
Generation	N/A	\$51,294	\$51,294	\$51,294	\$51,294	Lifetime (Weighted on Generator kWh)	A	15.0	years
T & D	N/A	\$5,885	\$5,885	\$5,885	\$5,885	Annual Hours	B	8760	
Marginal Energy	N/A	\$31	\$31	\$31	\$31	Gross Customer kW	C	1	kW
Environmental Externality	N/A	N/A	N/A	N/A	\$6	Generator Peak Coincidence Factor	D	24.62%	
Subtotal	N/A	\$57,210	\$57,210	\$57,210	\$57,216	Gross Load Factor at Customer	E	0.00%	
Participant Benefits						Transmission Loss Factor (Energy)	F	4.550%	
Bill Reduction - Electric	\$95	N/A	N/A	N/A	N/A	Transmission Loss Factor (Demand)	G	5.318%	
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Societal Net Benefit (Cost)	H	\$191	
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0				
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$95	N/A	N/A	\$0	\$0				
Total Benefits	\$95	\$57,210	\$57,210	\$57,210	\$57,216				
Costs									
Utility Project Costs									
Customer Services	N/A	\$0	\$0	\$0	\$0				
Utility Administration	N/A	\$23,413	\$23,413	\$23,413	\$23,413				
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	\$23,413	\$23,413	\$23,413	\$23,413				
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$95	N/A	N/A				
Subtotal	N/A	N/A	\$95	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	\$23,413	\$23,509	\$23,413	\$23,413				
Net Benefit (Cost)	\$95	\$33,797	\$33,701	\$33,797	\$33,802				
Benefit/Cost Ratio	INF	2.44	2.43	2.44	2.44				

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

Program Summary per Participant			
Gross kW Saved at Customer	I	5.21	kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	1.36	kW
Gross Annual kWh Saved at Customer	(B x E x I)	2	kWh
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	2	kWh
Program Summary All Participants			
Total Participants	J	34	
Total Budget	K	\$23,413	
Gross kW Saved at Customer	(J x I)	177.29	kW
Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	46	kW
Gross Annual kWh Saved at Customer	(B x E x I) x J	62	kWh
Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	65	kWh
Societal Net Benefits	(J x I x H)	\$33,802	
Utility Program Cost per kWh Lifetime		\$24.0303	
Utility Program Cost per kW at Gen		\$508	

2025 SD DSM Status Report Cost-Effectiveness Analysis

PEAK AND ENERGY CONTROL						2025 ELECTRIC			Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total		Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Societal				
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)				
Benefits									
Avoided Revenue Requirements									
Generation	N/A	\$0	\$0	\$0	\$0	Lifetime (Weighted on Generator kWh)	A	0.0	years
T & D	N/A	\$0	\$0	\$0	\$0	Annual Hours	B	8760	
Marginal Energy	N/A	\$0	\$0	\$0	\$0	Gross Customer kW	C	1	kW
Environmental Externality	N/A	N/A	N/A	N/A	\$0	Generator Peak Coincidence Factor	D	#DIV/0!	
Subtotal	N/A	\$0	\$0	\$0	\$0	Gross Load Factor at Customer	E	#DIV/0!	
Participant Benefits						Transmission Loss Factor (Energy)	F	0.000%	
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A	Transmission Loss Factor (Demand)	G	0.000%	
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Societal Net Benefit (Cost)	H	#DIV/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	\$11,786	\$11,786	\$11,786	\$11,786				
Advertising & Promotion	N/A	\$182	\$182	\$182	\$182				
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	\$11,968	\$11,968	\$11,968	\$11,968				
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	\$11,968	\$11,968	\$11,968	\$11,968				
Net Benefit (Cost)									
Benefit/Cost Ratio									
INF									
-									
-									
-									

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

Program Summary per Participant		
Gross kW Saved at Customer	I	#DIV/0!
Net coincident kW Saved at Generator	(I x D) / (1 - G)	#DIV/0!
Gross Annual kWh Saved at Customer	(B x E x I)	#DIV/0!
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	#DIV/0!
Program Summary All Participants		
Total Participants	J	0
Total Budget	K	\$11,968
Gross kW Saved at Customer	(J x I)	#DIV/0!
Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	#DIV/0!
Gross Annual kWh Saved at Customer	(B x E x I) x J	#DIV/0!
Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	#DIV/0!
Societal Net Benefits	(J x I x H)	#DIV/0!
Utility Program Cost per kWh Lifetime		#DIV/0!
Utility Program Cost per kW at Gen		#DIV/0!

2025 SD DSM Status Report Cost-Effectiveness Analysis

BUSINESS SEGMENT TOTAL						2025 ELECTRIC	Actual
2025 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)	12.2 years
						Annual Hours	8760
						Gross Customer kW	1 kW
						Generator Peak Coincidence Factor	49.30%
						Gross Load Factor at Customer	34.07%
						Transmission Loss Factor (Energy)	4.550%
						Transmission Loss Factor (Demand)	5.318%
						Societal Net Benefit (Cost)	\$986
Subtotal							
Participant Benefits						Program Summary per Participant	
Bill Reduction - Electric	\$3,012,099	N/A	N/A	N/A	N/A	Gross kW Saved at Customer	7.15 kW
Rebates from Xcel Energy	\$270,846	N/A	N/A	\$270,846	\$270,846	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$ 3.72 kW
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I)$ 21,328 kWh
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$ 22,345 kWh
Subtotal							
Total Benefits	\$3,282,945	\$2,060,356	\$2,060,356	\$2,331,202	\$2,560,705	Program Summary All Participants	
Costs						Total Participants	174
Utility Project Costs						Total Budget	\$345,680
Customer Services	N/A	\$0	\$0	\$0	\$0	Gross kW Saved at Customer	$(J \times I)$ 1,243.55 kW
Utility Administration	N/A	\$40,117	\$40,117	\$40,117	\$40,117	Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$ 648 kW
Advertising & Promotion	N/A	\$34,717	\$34,717	\$34,717	\$34,717	Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$ 3,711,089 kWh
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$ 3,887,993 kWh
Rebates	N/A	\$270,846	\$270,846	\$270,846	\$270,846	Societal Net Benefits	$(J \times I \times H)$ \$1,226,174
Other	N/A	\$0	\$0	\$0	\$0		
Subtotal						Utility Program Cost per kWh Lifetime	\$0.0073
Utility Revenue Reduction						Utility Program Cost per kW at Gen	\$534
Revenue Reduction - Electric	N/A	N/A	\$3,012,099	N/A	N/A		
Subtotal							
Participant Costs							
Incremental Capital Costs	\$824,502	N/A	N/A	\$824,502	\$824,502		
Incremental O&M Costs	\$164,349	N/A	N/A	\$164,349	\$164,349		
Subtotal							
Total Costs	\$988,851	\$345,680	\$3,357,779	\$1,334,531	\$1,334,531		
Net Benefit (Cost)	\$2,294,094	\$1,714,676	(\$1,297,423)	\$996,671	\$1,226,174		
Benefit/Cost Ratio	3.32	5.96	0.61	1.75	1.92		

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

2025 SD DSM Status Report Cost-Effectiveness Analysis

HOME LIGHTING						2025 ELECTRIC		Actual		
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals				
	Participant	Utility	Rate	Total		Program "Inputs" per Customer kW				
	Test	Test	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	15.8 years		
			Test	Test	Test	Annual Hours	B	8760		
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW		
Benefits						Generator Peak Coincidence Factor	D	16.22%		
Avoided Revenue Requirements						Gross Load Factor at Customer	E	15.78%		
Generation	N/A	\$188,225	\$188,225	\$188,225	\$188,225	Transmission Loss Factor (Energy)	F	5.397%		
T & D	N/A	\$21,781	\$21,781	\$21,781	\$21,781	Transmission Loss Factor (Demand)	G	6.809%		
Marginal Energy	N/A	\$607,951	\$607,951	\$607,951	\$607,951	Societal Net Benefit (Cost)	H	\$742		
Environmental Externality	N/A	N/A	N/A	N/A	\$99,246					
Subtotal	N/A	\$817,957	\$817,957	\$817,957	\$917,203					
Participant Benefits						Program Summary per Participant				
Bill Reduction - Electric	\$1,690,177	N/A	N/A	N/A	N/A	Gross kW Saved at Customer	I	0.11 kW		
Rebates from Xcel Energy	\$160,423	N/A	N/A	\$160,423	\$160,423	Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$ 0.02 kW			
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I)$ 153 kWh			
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$ 162 kWh			
Subtotal	\$1,850,599	N/A	N/A	\$160,423	\$160,423					
Total Benefits	\$1,850,599	\$817,957	\$817,957	\$978,379	\$1,077,626					
Costs						Program Summary All Participants				
Utility Project Costs						Total Participants	J	9,147		
Customer Services	N/A	\$0	\$0	\$0	\$0	Total Budget	K	\$187,851		
Utility Administration	N/A	\$25,184	\$25,184	\$25,184	\$25,184	Gross kW Saved at Customer	$(J \times I)$ 1,014.51 kW			
Advertising & Promotion	N/A	\$2,244	\$2,244	\$2,244	\$2,244	Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$ 177 kW			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$ 1,402,159 kWh			
Rebates	N/A	\$160,423	\$160,423	\$160,423	\$160,423	Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$ 1,482,154 kWh			
Other	N/A	\$0	\$0	\$0	\$0	Societal Net Benefits	$(J \times I \times H)$ \$752,337			
Subtotal	N/A	\$187,851	\$187,851	\$187,851	\$187,851					
Utility Revenue Reduction						Utility Program Cost per kWh Lifetime \$0.0080				
Revenue Reduction - Electric	N/A	N/A	\$1,690,177	N/A	N/A	Utility Program Cost per kW at Gen \$1,064				
Subtotal	N/A	N/A	\$1,690,177	N/A	N/A					
Participant Costs										
Incremental Capital Costs	\$137,438	N/A	N/A	\$137,438	\$137,438					
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0					
Subtotal	\$137,438	N/A	N/A	\$137,438	\$137,438					
Total Costs	\$137,438	\$187,851	\$1,878,028	\$325,289	\$325,289					
Net Benefit (Cost)						\$1,713,162	\$630,106	(\$1,060,071)	\$653,091	\$752,337
Benefit/Cost Ratio						13.47	4.35	0.44	3.01	3.31

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

2025 SD DSM Status Report Cost-Effectiveness Analysis

RESIDENTIAL DEMAND RESPONSE						2025 ELECTRIC		Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals		
						Program "Inputs" per Customer kW		
	Participant	Utility	Rate	Total	Societal	Lifetime (Weighted on Generator kWh)	A	11.6 years
	Test	Test	Impact	Resource	Test	Annual Hours	B	8760
	(\$Total)	(\$Total)	Test	Test	Test	Gross Customer kW	C	1 kW
Benefits						Generator Peak Coincidence Factor	D	40.65%
						Gross Load Factor at Customer	E	0.01%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	5.630%
Generation	N/A	\$1,207,198	\$1,207,198	\$1,207,198	\$1,207,198	Transmission Loss Factor (Demand)	G	6.900%
T & D	N/A	\$138,059	\$138,059	\$138,059	\$138,059	Societal Net Benefit (Cost)	H	\$375
Marginal Energy	N/A	\$634	\$634	\$634	\$634			
Environmental Externality	N/A	N/A	N/A	N/A	N/A			
Subtotal	N/A	\$1,345,891	\$1,345,891	\$1,345,891	\$1,345,977			
Participant Benefits								
Bill Reduction - Electric	\$1,517	N/A	N/A	N/A	N/A			
Rebates from Xcel Energy	\$47,275	N/A	N/A	\$47,275	\$47,275			
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0			
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$48,792	N/A	N/A	\$47,275	\$47,275			
Total Benefits	\$48,792	\$1,345,891	\$1,345,891	\$1,393,166	\$1,393,252			
Costs								
Utility Project Costs								
Customer Services	N/A	\$239,248	\$239,248	\$239,248	\$239,248			
Utility Administration	N/A	\$9,931	\$9,931	\$9,931	\$9,931			
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$47,275	\$47,275	\$47,275	\$47,275			
Other	N/A	\$0	\$0	\$0	\$0			
Subtotal	N/A	\$296,454	\$296,454	\$296,454	\$296,454			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$1,517	N/A	N/A			
Subtotal	N/A	N/A	\$1,517	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	\$296,454	\$297,971	\$296,454	\$296,454			
Net Benefit (Cost)	\$48,792	\$1,049,437	\$1,047,919	\$1,096,712	\$1,096,798			
Benefit/Cost Ratio	INF	4.54	4.52	4.70	4.70			

Program Summary per Participant		
Gross kW Saved at Customer	I	2.51 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	1.09 kW
Gross Annual kWh Saved at Customer	(B x E x I)	1 kWh
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	1 kWh
Program Summary All Participants		
Total Participants	J	1,166
Total Budget	K	\$296,454
Gross kW Saved at Customer	(J x I)	2,922.66 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	1,276 kW
Gross Annual kWh Saved at Customer	(B x E x I) x J	1,430 kWh
Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	1,515 kWh
Societal Net Benefits	(J x I x H)	\$1,096,798
Utility Program Cost per kWh Lifetime		\$16.9246
Utility Program Cost per kW at Gen		\$232

2025 SD DSM Status Report Cost-Effectiveness Analysis

CONSUMER EDUCATION						2025 ELECTRIC		Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals		
	Participant	Utility	Rate	Total		Program "Inputs" per Customer kW		
	Test	Test	Impact	Resource	Societal			
	(\$Total)	(\$Total)	Test	Test	Test			
			(\$Total)	(\$Total)	(\$Total)			
Benefits								
Avoided Revenue Requirements								
Generation	N/A	\$0	\$0	\$0	\$0			0.0 years
T & D	N/A	\$0	\$0	\$0	\$0			8760
Marginal Energy	N/A	\$0	\$0	\$0	\$0			1 kW
Environmental Externality	N/A	N/A	N/A	N/A	N/A			#DIV/0!
Subtotal	N/A	\$0	\$0	\$0	\$0			#DIV/0!
Participant Benefits								
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A			0.000%
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0			0.000%
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0			#DIV/0!
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			#DIV/0!
Subtotal	\$0	N/A	N/A	\$0	\$0			
Total Benefits	\$0	\$0	\$0	\$0	\$0			
Costs								
Utility Project Costs								
Customer Services	N/A	\$23,875	\$23,875	\$23,875	\$23,875			
Utility Administration	N/A	\$0	\$0	\$0	\$0			
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	\$23,875	\$23,875	\$23,875	\$23,875			
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	\$23,875	\$23,875	\$23,875	\$23,875			
Net Benefit (Cost)								
Net Benefit (Cost)	\$0	(\$23,875)	(\$23,875)	(\$23,875)	(\$23,875)			
Benefit/Cost Ratio								
Benefit/Cost Ratio	INF	-	-	-	-			

Program Summary per Participant		
Gross kW Saved at Customer	I	0.00 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	#DIV/0!
Gross Annual kWh Saved at Customer	(B x E x I)	#DIV/0!
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	#DIV/0!
Program Summary All Participants		
Total Participants	J	30,000
Total Budget	K	\$23,875
Gross kW Saved at Customer	(J x I)	0.00 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	#DIV/0!
Gross Annual kWh Saved at Customer	(B x E x I) x J	#DIV/0!
Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	#DIV/0!
Societal Net Benefits	(J x I x H)	#DIV/0!
Utility Program Cost per kWh Lifetime		#DIV/0!
Utility Program Cost per kW at Gen		#DIV/0!

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

2025 SD DSM Status Report Cost-Effectiveness Analysis

RESIDENTIAL SEGMENT TOTAL						2025 ELECTRIC			Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals			
	Participant	Utility	Rate	Total		Program "Inputs" per Customer kW			
	Test	Test	Impact	Resource	Societal				
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)				
Benefits									
Avoided Revenue Requirements									
Generation	N/A	\$1,395,423	\$1,395,423	\$1,395,423	\$1,395,423	Lifetime (Weighted on Generator kWh)	A	15.8	years
T & D	N/A	\$159,840	\$159,840	\$159,840	\$159,840	Annual Hours	B	8760	
Marginal Energy	N/A	\$608,585	\$608,585	\$608,585	\$608,585	Gross Customer kW	C	1	kW
Environmental Externality	N/A	N/A	N/A	N/A	\$99,333	Generator Peak Coincidence Factor	D	34.36%	
Subtotal	N/A	\$2,163,848	\$2,163,848	\$2,163,848	\$2,263,181	Gross Load Factor at Customer	E	4.07%	
Participant Benefits						Transmission Loss Factor (Energy)	F	5.397%	
Bill Reduction - Electric	\$1,691,694	N/A	N/A	N/A	N/A	Transmission Loss Factor (Demand)	G	6.876%	
Rebates from Xcel Energy	\$207,698	N/A	N/A	\$207,698	\$207,698	Societal Net Benefit (Cost)	H	\$464	
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0				
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$1,899,392	N/A	N/A	\$207,698	\$207,698				
Total Benefits	\$1,899,392	\$2,163,848	\$2,163,848	\$2,371,545	\$2,470,878				
Costs									
Utility Project Costs									
Customer Services	N/A	\$263,123	\$263,123	\$263,123	\$263,123				
Utility Administration	N/A	\$35,116	\$35,116	\$35,116	\$35,116				
Advertising & Promotion	N/A	\$2,244	\$2,244	\$2,244	\$2,244				
Measurement & Verification	N/A	\$0	\$0	\$0	\$0				
Rebates	N/A	\$207,698	\$207,698	\$207,698	\$207,698				
Other	N/A	\$0	\$0	\$0	\$0				
Subtotal	N/A	\$508,180	\$508,180	\$508,180	\$508,180				
Utility Revenue Reduction									
Revenue Reduction - Electric	N/A	N/A	\$1,691,694	N/A	N/A				
Subtotal	N/A	N/A	\$1,691,694	N/A	N/A				
Participant Costs									
Incremental Capital Costs	\$137,438	N/A	N/A	\$137,438	\$137,438				
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0				
Subtotal	\$137,438	N/A	N/A	\$137,438	\$137,438				
Total Costs	\$137,438	\$508,180	\$2,199,874	\$645,618	\$645,618				
Net Benefit (Cost)	\$1,761,954	\$1,655,668	(\$36,026)	\$1,725,927	\$1,825,260				
Benefit/Cost Ratio	13.82	4.26	0.98	3.67	3.83				

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	15.8 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	34.36%
Gross Load Factor at Customer	E	4.07%
Transmission Loss Factor (Energy)	F	5.397%
Transmission Loss Factor (Demand)	G	6.876%
Societal Net Benefit (Cost)	H	\$464

Program Summary per Participant		
Gross kW Saved at Customer	I	0.10 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G)$	0.04 kW
Gross Annual kWh Saved at Customer	$(B \times E \times I)$	35 kWh
Net Annual kWh Saved at Generator	$(B \times E \times I) / (1 - F)$	37 kWh

Program Summary All Participants		
Total Participants	J	40,313
Total Budget	K	\$508,180
Gross kW Saved at Customer	$(J \times I)$	3,937.17 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	1,453 kW
Gross Annual kWh Saved at Customer	$(B \times E \times I) \times J$	1,403,589 kWh
Net Annual kWh Saved at Generator	$((B \times E \times I) / (1 - F)) \times J$	1,483,669 kWh
Societal Net Benefits	$(J \times I \times H)$	\$1,825,260

Utility Program Cost per kWh Lifetime	\$0.0217
Utility Program Cost per kW at Gen	\$350

2025 SD DSM Status Report Cost-Effectiveness Analysis

REGULATORY AFFAIRS						2025 ELECTRIC			Actual
2025 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)	Test	Test		Annual Hours	B	8760	
			(\$Total)	(\$Total)		Gross Customer kW	C	1	kW
Benefits						Generator Peak Coincidence Factor	D	#DIV/0!	
						Gross Load Factor at Customer	E	#DIV/0!	
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	0.000%	
Generation	N/A	\$0	\$0	\$0	\$0	Transmission Loss Factor (Demand)	G	0.000%	
T & D	N/A	\$0	\$0	\$0	\$0	Societal Net Benefit (Cost)	H	#DIV/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	\$8,934	\$8,934	\$8,934	\$8,934				
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	\$8,934	\$8,934	\$8,934	\$8,934				
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	\$8,934	\$8,934	\$8,934	\$8,934				
Net Benefit (Cost)	\$0	(\$8,934)	(\$8,934)	(\$8,934)	(\$8,934)				
Benefit/Cost Ratio	INF	-	-	-	-				

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

2025 SD DSM Status Report Cost-Effectiveness Analysis

PLANNING SEGMENT TOTAL						2025 ELECTRIC		Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals		
						Program "Inputs" per Customer kW		
	Participant	Utility	Rate	Total				
	Test	Test	Impact	Resource	Societal			
	(\$Total)	(\$Total)	Test	Test	Test			
			(\$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	N/A			
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	\$8,934	\$8,934	\$8,934	\$8,934			
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	\$8,934	\$8,934	\$8,934	\$8,934			
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	\$8,934	\$8,934	\$8,934	\$8,934			
Net Benefit (Cost)								
Net Benefit (Cost)	\$0	(\$8,934)	(\$8,934)	(\$8,934)	(\$8,934)			
Benefit/Cost Ratio								
Benefit/Cost Ratio	INF	-	-	-	-			

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 x D) / (1 - G)	#DIV/0!	
Gross Annual kWh Saved at Customer	(B x E x I)	#DIV/0!	
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	#DIV/0!	
Program Summary All Participants			
Total Participants	J	0	
Total Budget	K	\$8,934	
Gross kW Saved at Customer	(J x I)	#DIV/0!	
Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	#DIV/0!	
Gross Annual kWh Saved at Customer	(B x E x I) x J	#DIV/0!	
Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	#DIV/0!	
Societal Net Benefits	(J x I x H)	#DIV/0!	
Utility Program Cost per kWh Lifetime			#DIV/0!
Utility Program Cost per kW at Gen			#DIV/0!

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

2025 SD DSM Status Report Cost-Effectiveness Analysis

PORTFOLIO TOTAL						2025 ELECTRIC		Actual
2025 Net Present Cost Benefit Summary Analysis For All Participants						Input Summary and Totals		
	Participant	Utility	Rate	Total		Program "Inputs" per Customer kW		
	Test	Test	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	13.2 years
			Test	Test	Test	Annual Hours	B	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW
Benefits								
Avoided Revenue Requirements								
Generation	N/A	\$1,980,697	\$1,980,697	\$1,980,697	\$1,980,697	Generator Peak Coincidence Factor	D	37.90%
T & D	N/A	\$226,434	\$226,434	\$226,434	\$226,434	Gross Load Factor at Customer	E	11.27%
Marginal Energy	N/A	\$2,017,073	\$2,017,073	\$2,017,073	\$2,017,073	Transmission Loss Factor (Energy)	F	4.784%
Environmental Externality	N/A	N/A	N/A	N/A	\$328,836	Transmission Loss Factor (Demand)	G	6.507%
Subtotal	N/A	\$4,224,203	\$4,224,203	\$4,224,203	\$4,553,040	Societal Net Benefit (Cost)	H	\$587
Participant Benefits								
Bill Reduction - Electric	\$4,703,793	N/A	N/A	N/A	N/A	Program Summary per Participant		
Rebates from Xcel Energy	\$478,543	N/A	N/A	\$478,543	\$478,543	Gross kW Saved at Customer	I	0.13 kW
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	Net coincident kW Saved at Generator	(I x D) / (1 - G)	
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	Gross Annual kWh Saved at Customer	(B x E x I)	
Subtotal	\$5,182,337	N/A	N/A	\$478,543	\$478,543	Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	
Total Benefits	\$5,182,337	\$4,224,203	\$4,224,203	\$4,702,747	\$5,031,583	Program Summary All Participants		
Costs								
Utility Project Costs								
Customer Services	N/A	\$263,123	\$263,123	\$263,123	\$263,123	Total Participants	J	40,487
Utility Administration	N/A	\$84,166	\$84,166	\$84,166	\$84,166	Total Budget	K	\$862,793
Advertising & Promotion	N/A	\$36,961	\$36,961	\$36,961	\$36,961	Gross kW Saved at Customer	(J x I)	
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	Net coincident kW Saved at Generator	(I x D) / (1 - G) x J	
Rebates	N/A	\$478,543	\$478,543	\$478,543	\$478,543	Gross Annual kWh Saved at Customer	(B x E x I) x J	
Other	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	((B x E x I) / (1 - F)) x J	
Subtotal	N/A	\$862,793	\$862,793	\$862,793	\$862,793	Societal Net Benefits	(J x I x H)	
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$4,703,793	N/A	N/A	Utility Program Cost per kWh Lifetime		
Subtotal	N/A	N/A	\$4,703,793	N/A	N/A	Utility Program Cost per kW at Gen		
Participant Costs								
Incremental Capital Costs	\$961,940	N/A	N/A	\$961,940	\$961,940	Net Benefit (Cost)		
Incremental O&M Costs	\$164,349	N/A	N/A	\$164,349	\$164,349	Benefit/Cost Ratio		
Subtotal	\$1,126,289	N/A	N/A	\$1,126,289	\$1,126,289			
Total Costs	\$1,126,289	\$862,793	\$5,566,587	\$1,989,082	\$1,989,082			

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