	Execu	tive Sur	nmary T	Table - 2	025			
2025	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	152	\$235,965	429	3,227,941	5.72	8.70	0.61	2.89
Business Saver's Switch	20	\$26,500	57	78	INF	2.81	2.80	2.81
Peak and Energy Control	1	\$10,000	174	448	INF	9.34	9.08	9.34
Business Segment Total	173	\$272,465	659	3,228,466	5.72	8.15	0.65	2.96
Residential Segment	1							
Home Lighting	5,183	\$85,999	144	1,086,707	9.08	7.64	0.47	3.04
Heat Pump Water Heaters	14	\$8,300	5	42,296	4.30	2.78	0.41	1.38
Reidential Demand Response	1,860	\$404,250	1,017	59,253	2.07	2.78	2.42	2.48
Consumer Education	30,000	\$22,000	N/A	N/A				
Residential Segment Total	37,057	\$520,549	1,166	1,188,256	5.62	3.46	0.93	2.55
Planning Segment								
Regulatory Affairs	0	\$10,800	0	0				
Planning Segment Total	0	\$10,800	0	0				
PORTFOLIO TOTAL	37,230	\$803,814	1,825	4,416,721	5.69	5.00	0.75	2.75

### 2025 SD DSM Plan Cost-Effectiveness Analysis

LIGHTING EFFICIENCY	Y					2025 ELECTRIC		GOAL
2025 Net Present Cost Benefit Sumr	nary Analysis For Al	Participants				Input Summary and Totals		
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	16.4 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С	1 kW
Benefits					, , ,	Generator Peak Coincidence Factor	D	60,93%
Belletito						Gross Load Factor at Customer	E	52.81%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	E	4.550%
Generation	N/A	\$508,921	\$508,921	\$508,921	\$508,921	Transmission Loss Factor (Demand)	G	5.317%
T & D	N/A	\$58,639	\$58,639	\$58,639	\$58,639	Societal Net Benefit (Cost)	Н	\$2,816
Marginal Energy	N/A	\$1,484,980	\$1,484,980	\$1,484,980	\$1,484,980	Societai Net Benefit (Cost)	11	\$2,010
Environmental Externality	N/A	N/A	N/A	N/A	\$259,023			
Subtotal	N/A	\$2,052,540	\$2,052,540	\$2,052,540	\$2,311,563	Program Summary per Participant		
oubtour.	11/11	\$2,00 <b>2,</b> 010	Q2,002,010	¥2,002,010	¥2,511,505	Gross kW Saved at Customer	Ī	4.38 kW
Participant Benefits						Net coincident kW Saved at Generator	( I x D) / (1 - G)	2.82 kW
Bill Reduction - Electric	\$3,128,742	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	20,270 kWh
Rebates from Xcel Energy	\$186,965	N/A	N/A	\$186,965	\$186,965	Net Annual kWh Saved at Generator	(BxExI)/(1-F)	21,236 kWh
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0		7/\	
Incremental O&M Savings	\$233,199	N/A	N/A	\$233,199	\$233,199			
Subtotal	\$3,548,906	N/A	N/A	\$420,164	\$420,164	Program Summary All Participants		
						Total Participants	J	152
Total Benefits	\$3,548,906	\$2,052,540	\$2,052,540	\$2,472,704	\$2,731,727	Total Budget	K	\$235,965
Costs						Gross kW Saved at Customer	(J x I)	666.02 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	429 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ	3,081,069 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	3,227,941 kWh
Utility Administration	N/A	\$24,000	\$24,000	\$24,000	\$24,000	Societal Net Benefits	(J x I x H)	\$1,875,649
Advertising & Promotion Measurement & Verification	N/A N/A	\$25,000 \$0	\$25,000	\$25,000 \$0	\$25,000			
Rebates	N/A N/A	\$186,965	\$0 \$186,965	\$186,965	\$0 \$186,965	Utility Program Cost per kWh Lifetime		\$0.0045
Other	N/A	\$0	\$100,705	\$100,705	\$0	Utility Program Cost per kW at Gen		\$551
Subtotal	N/A	\$235,965	\$235,965	\$235,965	\$235,965			,,,,
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$3,128,742	N/A	N/A			
Subtotal	N/A	N/A	\$3,128,742	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$620,113	N/A	N/A	\$620,113	\$620,113			
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$620,113	N/A	N/A	\$620,113	\$620,113			

\$856,078

\$1,875,649

3.19

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

\$620,113

\$2,928,793

5.72

\$235,965

\$1,816,575

8.70

\$3,364,707

(\$1,312,167)

0.61

\$856,078

\$1,616,626

2.89

Total Costs

Net Benefit (Cost)

BUSINESS SAVER'S SWIT	CH				
2025 Net Present Cost Benefit Summ	ary Analysis For All	Participants			
	Participant Test	Utility Test	Rate Impact Test	Total Resource Test	Societal Test
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	\$66,717	\$66,717	\$66,717	\$66,717
T & D	N/A	\$7,655	\$7,655	\$7,655	\$7,655
Marginal Energy	N/A	\$39	\$39	\$39	\$39
Environmental Externality	N/A	N/A	N/A	N/A	\$8
Subtotal	N/A	\$74,410	\$74,410	\$74,410	\$74,418
Participant Benefits					
Bill Reduction - Electric	\$119	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	\$119	N/A	N/A	<b>\$</b> 0	<b>\$</b> 0
Total Benefits	\$119	\$74,410	\$74,410	\$74,410	\$74,418
Costs					
Utility Project Costs					
Customer Services	N/A	\$16,300	\$16,300	\$16,300	\$16,300
Utility Administration	N/A	\$7,600	\$7,600	\$7,600	\$7,600
Advertising & Promotion	N/A	\$2,600	\$2,600	\$2,600	\$2,600
Measurement & Verification Rebates	N/A N/A	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0
Other	N/A	\$0 \$0	\$0	\$0 \$0	\$0 \$0
Subtotal	N/A	\$26,500	\$26,500	\$26,500	\$26,500
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	\$119 \$110	N/A	N/A
Subtotal	N/A	N/A	\$119	N/A	N/A
Participant Costs	æ.c	NI / 1	21/1		
Incremental Capital Costs	\$0	N/A	N/A	<b>\$</b> 0	\$0 \$0
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0
Subtotal	\$0	N/A	N/A	\$0	\$0
Total Costs	\$0	\$26,500	\$26,619	\$26,500	\$26,500
Net Benefit (Cost)	\$119	\$47,910	\$47,791	\$47,910	\$47,918
Benefit/Cost Ratio	INF	2.81	2.80	2.81	2.81

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

2025 ELECTRIC		GOAL
nput Summary and Totals		
rogram "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	15.0 years
Annual Hours	В	876
Gross Customer kW	C	1 kV
Generator Peak Coincidence Factor	D	16.75%
Gross Load Factor at Customer	E	0.00%
Transmission Loss Factor (Energy)	F	4.550%
Transmission Loss Factor (Demand)	G	5.317%
Societal Net Benefit (Cost)	Н	\$149
Net coincident kW Saved at Generator	(I x D) / (1 - G)	2.84 kV
rogram Summary per Participant		
Gross kW Saved at Customer  Net coincident kW Saved at Generator	( I x D) / (1 - G)	16.05 kV
Gross Annual kWh Saved at Customer	(BxExI)	4 kW
Net Annual kWh Saved at Generator	(BxExI)/(1-F)	4 kW
rogram Summary All Participants  Total Participants  Total Budget	J K	2 \$26,500
Gross kW Saved at Customer	(J x I)	321.08 kV
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	57 kV
Gross Annual kWh Saved at Customer	(BxExI)xJ	74 kW
Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	78 kW
Societal Net Benefits	(J x I x H)	\$47,918
III'i'a Danasa Cartan IWh I 'Crim		\$22 TOT
Utility Program Cost per kWh Lifetime Utility Program Cost per kW at Gen		\$22.7873 \$46'

PEAK AND ENERGY CO	NTROL					2025 ELECTRIC	
2025 Net Present Cost Benefit Summ	ary Analysis For All	Participants				Input Summary and Totals	
			Rate	Total		Program "Inputs" per Customer kW	
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	Α
	Test	Test	Test	Test	Test	Annual Hours	P
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C
Benefits						Generator Peak Coincidence Factor	Б
						Gross Load Factor at Customer	E
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F
Generation	N/A	\$83,957	\$83,957	\$83,957	\$83,957	Transmission Loss Factor (Demand)	G
T & D	N/A	\$9,349	\$9,349	\$9,349	\$9,349	Societal Net Benefit (Cost)	Н
Marginal Energy	N/A	\$103	\$103	\$103	\$103		
Environmental Externality	N/A	N/A	N/A	N/A	\$24		
Subtotal	N/A	\$93,408	\$93,408	\$93,408	\$93,433	Program Summary per Participant	
						Gross kW Saved at Customer	I
Participant Benefits						Net coincident kW Saved at Generator	(
Bill Reduction - Electric	\$287	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(1
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	(
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	-	
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0		
Subtotal	\$287	N/A	N/A	\$0	\$0	Program Summary All Participants	
						Total Participants	J
Total Benefits	\$287	\$93,408	\$93,408	\$93,408	\$93,433	Total Budget	K
Costs						Gross kW Saved at Customer	(]
						Net coincident kW Saved at Generator	(1
Utility Project Costs						Gross Annual kWh Saved at Customer	(1
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	()
Utility Administration	N/A	\$10,000	\$10,000	\$10,000	\$10,000	Societal Net Benefits	(.
Advertising & Promotion	N/A N/A	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0		
Measurement & Verification Rebates	N/A N/A	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	Utility Program Cost per kWh Lifetime	
Other	N/A	\$0 \$0	\$0	<b>\$</b> 0	<b>\$</b> 0	Utility Program Cost per kW at Gen	
Subtotal	N/A	\$10,000	\$10,000	\$10,000	\$10,000	etimty Frogram door per nw at den	
Utility Revenue Reduction							
Revenue Reduction - Electric	N/A	N/A	\$287	N/A	N/A		
Subtotal	N/A	N/A	\$287	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	<b>\$</b> 0	\$10,000	\$10,287	\$10,000	\$10,000		
	* *	- /	" /	. ,			
Net Benefit (Cost)	\$287	\$83,408	\$83,121	\$83,408	\$83,433		

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

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2025 ELECTRIC		GOAI
nput Summary and Totals		
Program "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	5.0 years
Annual Hours	В	876
Gross Customer kW	С	1 kV
Generator Peak Coincidence Factor	D	100.000
Gross Load Factor at Customer	E	0.03%
Transmission Loss Factor (Energy)	F	4.550%
Transmission Loss Factor (Demand)	G	5.3179
Societal Net Benefit (Cost)	Н	\$508
Net coincident kW Saved at Generator Gross Annual kWh Saved at Customer Net Annual kWh Saved at Generator	( I x D) / (1 - G) (B x E x I) ( B x E x I ) / (1 - F)	173.52 kV 427 kW 448 kW
rogram Summary All Participants  Total Participants  Total Budget	J K	\$10,000
Gross kW Saved at Customer	( x )	164.29 kV
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	174 kV
Gross Annual kWh Saved at Customer	(B x E x I) x J	427 kW
Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	448 kW
Societal Net Benefits	(J x I x H)	\$83,433
Utility Program Cost per kWh Lifetime		\$4.469

16.4 years 8760 1 kW 54.18% 30.55% 4.550% 5.318% \$1,743

6.66 kW 3.81 kW 17,813 kWh 18,662 kWh

173 \$272,465 1,151.38 kW 659 kW 3,081,570 kWh 3,228,466 kWh 3,228,466 kWh

> \$0.0051 \$414

# 2025 SD DSM Plan Cost-Effectiveness Analysis

BUSINESS SEGMENT TO	TAL					2025 ELECTRIC	
2025 Net Present Cost Benefit Summ	ary Analysis For All	Participants				Input Summary and Totals	
			Rate	Total		Program "Inputs" per Customer kW	
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A
	Test	Test	Test	Test	Test	Annual Hours	В
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C
Benefits						Generator Peak Coincidence Factor	D
						Gross Load Factor at Customer	E
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F
Generation	N/A	\$659,594	\$659,594	\$659,594	\$659,594	Transmission Loss Factor (Demand)	G
T & D	N/A	\$75,642	\$75,642	\$75,642	\$75,642	Societal Net Benefit (Cost)	Н
Marginal Energy	N/A	\$1,485,123	\$1,485,123	\$1,485,123	\$1,485,123		
Environmental Externality	N/A	N/A	N/A	N/A	\$259,055		
Subtotal	N/A	\$2,220,359	\$2,220,359	\$2,220,359	\$2,479,414	Program Summary per Participant	
	•					Gross kW Saved at Customer	I
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)
Bill Reduction - Electric	\$3,129,148	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)
Rebates from Xcel Energy	\$186,965	N/A	N/A	\$186,965	\$186,965	Net Annual kWh Saved at Generator	(BxExI)/(1-F)
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0		, , , , , , , , , , , , , , , , , , , ,
Incremental O&M Savings	\$233,199	N/A	N/A	\$233,199	\$233,199		
Subtotal	\$3,549,313	N/A	N/A	\$420,164	\$420,164	Program Summary All Participants	
						Total Participants	I
Total Benefits	\$3,549,313	\$2,220,359	\$2,220,359	\$2,640,523	\$2,899,578	Total Budget	K
Costs						Gross kW Saved at Customer	( x )
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xI
Customer Services	N/A	\$16,300	\$16,300	\$16,300	\$16,300	Net Annual kWh Saved at Generator	$((\mathbf{B} \times \mathbf{E} \times \mathbf{I})/(1-\mathbf{F})) \times \mathbf{J}$
Utility Administration	N/A	\$41,600	\$41,600	\$41,600	\$41,600	Societal Net Benefits	(JxIxH)
Advertising & Promotion	N/A	\$27,600	\$27,600	\$27,600	\$27,600		
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	<u></u>	
Rebates	N/A	\$186,965	\$186,965	\$186,965	\$186,965	Utility Program Cost per kWh Lifetime	
Other Subtotal	N/A N/A	\$0 \$272,465	\$0 \$272,465	\$0 \$272,465	\$0 \$272,465	Utility Program Cost per kW at Gen	
Utility Revenue Reduction	3.7.1.		00.400.44=	37/:	27/1		
Revenue Reduction - Electric Subtotal	N/A N/A	N/A N/A	\$3,129,148 \$3,129,148	N/A N/A	N/A N/A		
bubtotai	1N/ A	IN/ A	\$3,129,148	1N/A	IN/ A		
Participant Costs							
Incremental Capital Costs	\$620,113	N/A	N/A	\$620,113	\$620,113		
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0		
Subtotal	\$620,113	N/A	N/A	\$620,113	\$620,113		

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

\$2,929,199

5.72

\$1,947,894

8.15

(\$1,181,254)

0.65

\$1,747,945

2.96

\$2,007,000

3.25

Net Benefit (Cost)

HOME LIGHTING						2025 ELECTRIC
2025 Net Present Cost Benefit Summ	ary Analysis For All	Participants				Input Summary and Totals
			Rate	Total		Program "Inputs" per Customer kW
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)
	Test	Test	Test	Test	Test	Annual Hours
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW
Benefits						Generator Peak Coincidence Factor
						Gross Load Factor at Customer
Avoided Revenue Requirements						Transmission Loss Factor (Energy)
Generation	N/A	\$163,076	\$163,076	\$163,076	\$163,076	Transmission Loss Factor (Demand)
T & D	N/A	\$18,861	\$18,861	\$18,861	\$18,861	Societal Net Benefit (Cost)
Marginal Energy	N/A	\$474,871	\$474,871	\$474,871	\$474,871	
Environmental Externality	N/A	N/A	N/A	N/A	\$84,490	
Subtotal	N/A	\$656,808	\$656,808	\$656,808	\$741,298	Program Summary per Participant
						Gross kW Saved at Customer
Participant Benefits						Net coincident kW Saved at Generator
Bill Reduction - Electric	\$1,314,803	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer
Rebates from Xcel Energy	\$69,199	N/A	N/A	\$69,199	\$69,199	Net Annual kWh Saved at Generator
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0	
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0	
Subtotal	\$1,384,002	N/A	N/A	\$69,199	\$69,199	Program Summary All Participants
Total Benefits	\$1,384,002	\$656,808	\$656,808	\$726,007	\$810,497	Total Participants  Total Budget
	\$1,504,002	\$030,000	\$030,000	\$720,007	\$010,477	
Costs						Gross kW Saved at Customer
						Net coincident kW Saved at Generator
Utility Project Costs	NT/A	¢0	\$0	en.	<b>\$</b> 0	Gross Annual kWh Saved at Customer
Customer Services Utility Administration	N/A N/A	\$0 \$13,800	\$13,800	\$0 \$13,800	\$13,800	Net Annual kWh Saved at Generator Societal Net Benefits
Advertising & Promotion	N/A	\$3,000	\$3,000	\$3,000	\$3,000	Societai Net Benefits
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	
Rebates	N/A	\$69,199	\$69,199	\$69,199	\$69,199	Utility Program Cost per kWh Lifetime
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen
Subtotal	N/A	\$85,999	\$85,999	\$85,999	\$85,999	
Utility Revenue Reduction						
Revenue Reduction - Electric	N/A	N/A	\$1,314,803	N/A	N/A	
Subtotal	N/A	N/A	\$1,314,803	N/A	N/A	
Participant Costs						
Incremental Capital Costs	\$152,462	N/A	N/A	\$152,462	\$152,462	
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0	
Subtotal	\$152,462	N/A	N/A	\$152,462	\$152,462	
Total Costs	\$152,462	\$85,999	\$1,400,802	\$238,461	\$238,461	
Nist Barrett (Carr)	¢1 221 F40	\$570.00C	(\$7.42.00.4)	\$407.F46	\$572.02 <i>(</i>	
Net Benefit (Cost)	\$1,231,540	\$570,809	(\$743,994)	\$487,546	\$572,036	

0.47

7.64

3.04

3.40

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

9.08

2025 ELECTRIC	·	GOAL
nput Summary and Totals		
rogram "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	15.9 years
Annual Hours	В	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	16.63%
Gross Load Factor at Customer	E	14.58%
Transmission Loss Factor (Energy)	F	5.364%
Transmission Loss Factor (Demand)	G	6.804%
Societal Net Benefit (Cost)	Н	\$710
ogram Summary per Participant Gross kW Saved at Customer	Ī	0.16 kW
Gross kW Saved at Customer	I	0.16 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	0.03 kW
Gross Annual kWh Saved at Customer Net Annual kWh Saved at Generator	(BxExI) (BxExI)/(1-F)	198 kWh 210 kWh
	, , , ,	
Total Participants	]	5,183
Total Budget	K	\$85,999
Gross kW Saved at Customer	( J x I )	805.22 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	144 kW
Gross Annual kWh Saved at Customer	(BxExI)xJ	1,028,412 kWh
Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	1,086,707 kWh
Societal Net Benefits	(J x I x H)	\$572,036
Utility Program Cost per kWh Lifetime		\$0.0050
Utility Program Cost per kW at Gen		\$599

13.0 years 8760 1 kW 100.00% 93.99% 5.630% 6.900% \$2,230

0.35 kW 0.37 kW 2,851 kWh 3,021 kWh

14 \$8,300 4.85 kW 5 kW 39,914 kWh 42,296 kWh \$10,809

> \$0.0151 \$1,594

# 2025 SD DSM Plan Cost-Effectiveness Analysis

HEAT PUMP WATER HEA	ATERS					2025 ELECTRIC	
2025 Net Present Cost Benefit Summa	ry Analysis For All	Participants				Input Summary and Totals	
			Rate	Total		Program "Inputs" per Customer kW	
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A
	Test	Test	Test	Test	Test	Annual Hours	В
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С
Benefits						Generator Peak Coincidence Factor	D
						Gross Load Factor at Customer	Е
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F
Generation	N/A	\$5,524	\$5,524	\$5,524	\$5,524	Transmission Loss Factor (Demand)	G
T & D	N/A	\$630	\$630	\$630	\$630	Societal Net Benefit (Cost)	Н
Marginal Energy	N/A	\$16,893	\$16,893	\$16,893	\$16,893		
Environmental Externality	N/A	N/A	N/A	N/A	\$2,912		
Subtotal	N/A	\$23,047	\$23,047	\$23,047	\$25,959	Program Summary per Participant	
						Gross kW Saved at Customer	I
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)
Bill Reduction - Electric	\$47,933	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(B x E x I)
Rebates from Xcel Energy	\$5,600	N/A	N/A	\$5,600	\$5,600	Net Annual kWh Saved at Generator	(BxExI)/(1-F)
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0		, , , , , , , , , , , , , , , , , , , ,
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0		
Subtotal	\$53,533	N/A	N/A	\$5,600	\$5,600	Program Summary All Participants	
						Total Participants	J
Total Benefits	\$53,533	\$23,047	\$23,047	\$28,647	\$31,559	Total Budget	K
Costs						Gross kW Saved at Customer	( J x I )
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$
Utility Administration	N/A	\$2,700	\$2,700	\$2,700	\$2,700	Societal Net Benefits	(J x I x H)
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0		
Measurement & Verification	N/A	\$0	\$0	\$0	\$0		
Rebates	N/A	\$5,600	\$5,600	\$5,600	\$5,600	Utility Program Cost per kWh Lifetime	
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen	
Subtotal	N/A	\$8,300	\$8,300	\$8,300	\$8,300		
Utility Revenue Reduction							
Revenue Reduction - Electric	N/A	N/A	\$47,933	N/A	N/A		
Subtotal	N/A	N/A	\$47,933	N/A	N/A		
Participant Costs							
Incremental Capital Costs	\$10,976	N/A	N/A	\$10,976	\$10,976		
Incremental O&M Costs	\$1,474	N/A	N/A	\$1,474	\$1,474		
Subtotal	\$12,450	N/A	N/A	\$12,450	\$12,450		
Total Costs							

\$7,897

1.38

\$10,809

1.52

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

\$41,083

4.30

\$14,747

2.78

(\$33,186)

0.41

Net Benefit (Cost)

10.0 years 8760 1 kW 31.77% 0.21% 5.630% 6.900% \$275

> 1.60 kW 0.55 kW 30 kWh 32 kWh

1,860 **\$404,250** 2,979.38 kW

1,017 kW 55,917 kWh 59,253 kWh \$820,327

> \$0.6791 \$398

### 2025 SD DSM Plan Cost-Effectiveness Analysis

RESIDENTIAL DEMAND	RESPONSE					2025 ELECTRIC	
2025 Net Present Cost Benefit Summ	nary Analysis For All	l Participants				Input Summary and Totals	
			Rate	Total		Program "Inputs" per Customer kW	
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A
	Test	Test	Test	Test	Test	Annual Hours	В
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С
Benefits						Generator Peak Coincidence Factor	D
						Gross Load Factor at Customer	E
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F
Generation	N/A	\$987,401	\$987,401	\$987,401	\$987,401	Transmission Loss Factor (Demand)	G
T & D	N/A	\$112,700	\$112,700	\$112,700	\$112,700	Societal Net Benefit (Cost)	Н
Marginal Energy	N/A	\$22,576	\$22,576	\$22,576	\$22,576		
Environmental Externality	N/A	N/A	N/A	N/A	\$4,444		
Subtotal	N/A	\$1,122,677	\$1,122,677	\$1,122,677	\$1,127,122	Program Summary per Participant	
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	14/11	9.,.22,077	Q.,.22,011	Q.,.22,011	Y.,/,122	Gross kW Saved at Customer	T
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)
Bill Reduction - Electric	\$58,916	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)
Rebates from Xcel Energy	\$53,000	N/A	N/A	\$53,000	\$53,000	Net Annual kWh Saved at Generator	(BxExI) (BxExI)/(1-F)
Incremental Capital Savings	\$33,000 \$0	N/A	N/A	\$55,000 \$0	\$33,000 \$0	1 NCC ATHIUM KWII SAVEU AC GENETATOF	( D Y E Y I ) / ( I - I. )
Incremental Capital Savings Incremental O&M Savings	\$190,456	N/A N/A	N/A N/A	\$0 \$190,456	\$0 \$190,456		
Subtotal Savings	\$302,372	N/A	N/A	\$243,456	\$243,456	Program Summary All Participants	
Subtotai	\$302,372	11/11	11/11	\$243,430	\$245,450	Total Participants	Ī
Total Benefits	\$302,372	\$1,122,677	\$1,122,677	\$1,366,133	\$1,370,577	Total Budget	K
Costs	·					Gross kW Saved at Customer	( x )
30015						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$
Utility Project Costs						Gross Annual kWh Saved at Customer	(1xD)/(1-G)xJ (BxExI)xI
Customer Services	N/A	\$275,400	\$275,400	\$275,400	\$275,400	Net Annual kWh Saved at Generator	$((B \times E \times I) \times J)$
Utility Administration	N/A	\$64,000	\$64,000	\$64,000	\$64,000	Societal Net Benefits	([xIxH)
Advertising & Promotion	N/A	\$11,850	\$11,850	\$11,850	\$11,850	- John Lie Belletto	() /
Measurement & Verification	N/A	\$0	\$0	\$0	\$0		
Rebates	N/A	\$53,000	\$53,000	\$53,000	\$53,000	Utility Program Cost per kWh Lifetime	
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen	
Subtotal	N/A	\$404,250	\$404,250	\$404,250	\$404,250		
Utility Revenue Reduction							
Revenue Reduction - Electric	N/A	N/A	\$58,916	N/A	N/A		
Subtotal	N/A	N/A	\$58,916	N/A	N/A		
Participant Costs							
Incremental Capital Costs	\$146,000	N/A	N/A	\$146,000	\$146,000		
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0		
Subtotal	\$146,000	N/A	N/A	\$146,000	\$146,000		
T-1-1 C1-	\$4.46.000	6404.050	64/24//	Ø550.050	\$550. <b>2</b> 50		
Total Costs	\$146,000	\$404,250	\$463,166	\$550,250	\$550,250		

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

\$156,372

2.07

\$718,427

2.78

\$659,511

2.42

\$815,883

2.48

\$820,327

2.49

Net Benefit (Cost)

# 2025 SD DSM Plan Cost-Effectiveness Analysis

CONSUMER EDUCATIO	N					2025 ELECTRIC		GOAL
2025 Net Present Cost Benefit Summ	nary Analysis For All	Participants				Input Summary and Totals		
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	0.0 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С	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)	Н	#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	Program Summary per Participant		
						Gross kW Saved at Customer	I	0.00 kW
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)	#DIV/0!
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	#DIV/0!
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	(BxExI)/(1-F)	#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	Program Summary All Participants		
						Total Participants	J	30,000
Total Benefits	\$0	\$0	\$0	\$0	\$0	Total Budget	K	\$22,000
Costs						Gross kW Saved at Customer	(J x I)	$0.00 \; \mathrm{kW}$
						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 x E x I ) x 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 \$0	Societal Net Benefits	(J x I x H)	#DIV/0!
Advertising & Promotion Measurement & Verification	N/A N/A	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			
Rebates	N/A	\$0 \$0	\$0 \$0	\$0	\$0 \$0	Utility Program Cost per kWh Lifetime		#DIV/0!
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		#DIV/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			

\$22,000

(\$22,000)

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

**\$**0

**\$**0

INF

\$22,000

(\$22,000)

\$22,000

(\$22,000)

\$22,000

(\$22,000)

Total Costs

Net Benefit (Cost)

### 2025 SD DSM Plan Cost-Effectiveness Analysis

RESIDENTIAL SEGMEN	IT TOTAL					2025 ELECTRIC		GOAL
2025 Net Present Cost Benefit Sumr	nary Analysis For Al	l Participants		Input Summary and Totals				
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	15.5 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С	1 kW
Benefits						Generator Peak Coincidence Factor	D	28.64%
						Gross Load Factor at Customer	E	3,39%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	5.387%
Generation	N/A	\$1,156,001	\$1,156,001	\$1,156,001	\$1,156,001	Transmission Loss Factor (Demand)	G	6.880%
T & D	N/A	\$132,191	\$132,191	\$132,191	\$132,191	Societal Net Benefit (Cost)	Н	\$364
Marginal Energy	N/A	\$514,340	\$514,340	\$514,340	\$514,340	Societai Net Benefit (Cost)	11	¥30 <del>1</del>
Environmental Externality	N/A	N/A	N/A	N/A	\$91,847			
Subtotal	N/A	\$1,802,532	\$1,802,532	\$1,802,532	\$1,894,379	Program Summary per Participant		
oubtour .	-1/11	ψ1,00 <b>2,</b> 002	ψ1,00 <b>2,</b> 002	¥1,002,002	¥1,00 1,010	Gross kW Saved at Customer	Ī	0.10 kW
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)	0.03 kW
Bill Reduction - Electric	\$1,421,651	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	30 kWh
Rebates from Xcel Energy	\$127,799	N/A	N/A	\$127,799	\$127,799	Net Annual kWh Saved at Generator	(BxExI)/(1-F)	32 kWł
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0		(=====)/(==)	
Incremental O&M Savings	\$188,982	N/A	N/A	\$188,982	\$188,982			
Subtotal	\$1,738,432	N/A	N/A	\$316,781	\$316,781	Program Summary All Participants		
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,	1,	,	Total Participants	Ī	37,057
Total Benefits	\$1,738,432	\$1,802,532	\$1,802,532	\$2,119,313	\$2,211,160	Total Budget	K	\$520,549
Costs						Gross kW Saved at Customer	( ] x I )	3,789.45 kW
						Net coincident kW Saved at Generator	$(I \times D)/(1-G) \times J$	1,166 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(Bx E x I) x J	1,124,243 kWh
Customer Services	N/A	\$297,400	\$297,400	\$297,400	\$297,400	Net Annual kWh Saved at Generator	$((\mathbf{B} \times \mathbf{E} \times \mathbf{I})/(1-\mathbf{F})) \times \mathbf{J}$	1,188,256 kWh
Utility Administration	N/A	\$80,500	\$80,500	\$80,500	\$80,500	Societal Net Benefits	(J x I x H)	\$1,381,173
Advertising & Promotion	N/A	\$14,850	\$14,850	\$14,850	\$14,850			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$127,799 \$0	\$127,799	\$127,799 \$0	\$127,799	Utility Program Cost per kWh Lifetime		\$0.0282
Other Subtotal	N/A N/A	\$520,549	\$0 \$520,549	\$520,549	\$0 \$520,549	Utility Program Cost per kW at Gen		\$447
Time B B 1 o								
Utility Revenue Reduction  Revenue Reduction - Electric	N/A	N/A	\$1,421,651	N/A	N/A			
Subtotal	N/A	N/A	\$1,421,651	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$309,438	N/A	N/A	\$309,438	\$309,438			
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$309,438	N/A	N/A	\$309,438	\$309,438			

\$829,987

\$1,381,173

2.66

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

\$309,438

\$1,428,994

5.62

\$520,549

\$1,281,983

3.46

\$1,942,200

(\$139,668)

0.93

\$829,987

\$1,289,326

2.55

Total Costs

Net Benefit (Cost)

0.0 years 8760 1 kW

0.000% 0.000% #DIV/0!

#DIV/0! #DIV/0! #DIV/0! #DIV/0!

#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!

# 2025 SD DSM Plan Cost-Effectiveness Analysis

REGULATORY AFFAIRS	3	•				2025 ELECTRIC		GC
2025 Net Present Cost Benefit Sum	mary Analysis For All	Participants				Input Summary and Totals		
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	0.0
	Test	Test	Test	Test	Test	Annual Hours	В	
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С	
Benefits						Generator Peak Coincidence Factor	D	#DIV/0!
						Gross Load Factor at Customer	Е	#DIV/0!
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	0.0
Generation	N/A	\$0	\$0	\$0	\$0	Transmission Loss Factor (Demand)	G	0.0
T & D	N/A	\$0	\$0	\$0	\$0	Societal Net Benefit (Cost)	Н	#D
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	Program Summary per Participant		
	,					Gross kW Saved at Customer	I	#D
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)	#D
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	#D
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	<b>\$</b> 0	Net Annual kWh Saved at Generator	(BxExI)/(1-F)	#D
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0		7, ( )	··
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$0	N/A	N/A	\$0	\$0	Program Summary All Participants		
		,	,			Total Participants	Ī	
Total Benefits	\$0	\$0	\$0	\$0	\$0	Total Budget	K	\$10
Costs						Gross kW Saved at Customer	( J x I )	#D
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	#DI
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ	#D
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((\mathbf{B} \times \mathbf{E} \times \mathbf{I})/(1-\mathbf{F})) \times \mathbf{J}$	#D
Utility Administration	N/A	\$10,800	\$10,800	\$10,800	\$10,800	Societal Net Benefits	(J x I x H)	#DI
Advertising & Promotion	N/A	\$0	\$0	\$0	<b>\$</b> 0			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$0	\$0	<b>\$</b> 0	<b>\$</b> 0	Utility Program Cost per kWh Lifetime		#DIV/0!
Other Subtotal	N/A N/A	\$0 \$10,800	\$0 \$10,800	\$0 \$10,800	\$0 \$10,800	Utility Program Cost per kW at Gen		#DIV/0!
	,	,	,	, ,,,,,,,	,			
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			

\$10,800

(\$10,800)

\$10,800

(\$10,800)

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

**\$**0

**\$**0

INF

\$10,800

(\$10,800)

\$10,800

(\$10,800)

Total Costs

Net Benefit (Cost)

PLANNING SEGMENT T	ΓOTAL					2025 ELECTRIC		GOAL
2025 Net Present Cost Benefit Sumn	nary Analysis For All	Participants				Input Summary and Totals		<u>'</u>
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	0.0 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	С	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)	Н	#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	Program Summary per Participant		
						Gross kW Saved at Customer	I	#DIV/0!
Participant Benefits						Net coincident kW Saved at Generator	( I x D) / (1 - G)	#DIV/0!
Bill Reduction - Electric	\$0	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	#DIV/0!
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	( B x E x I ) / (1 - F)	#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	Program Summary All Participants		
						Total Participants	J	0
Total Benefits	\$0	\$0	\$0	\$0	\$0	Total Budget	K	\$10,800
Costs						Gross kW Saved at Customer	(J x I)	#DIV/0!
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	#DIV/0!
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ	#DIV/0!
Customer Services	N/A	\$0	\$0	<b>\$</b> 0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	#DIV/0!
Utility Administration	N/A	\$10,800	\$10,800	\$10,800	\$10,800	Societal Net Benefits	(J x I x H)	#DIV/0!
Advertising & Promotion Measurement & Verification	N/A N/A	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0			
Rebates	N/A	\$0	\$0 \$0	\$0	\$0 \$0	Utility Program Cost per kWh Lifetime		#DIV/0!
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		#DIV/0!
Subtotal	N/A	\$10,800	\$10,800	\$10,800	\$10,800			· · · · · · · · · · · · · · · · · · ·
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			

**\$**0

\$10,800

(\$10,800)

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

**\$**0

**\$**0

**\$**0

INF

N/A

\$10,800

(\$10,800)

N/A

\$10,800

(\$10,800)

**\$**0

\$10,800

(\$10,800)

Subtotal

Total Costs

Net Benefit (Cost)

PORTFOLIO TOTAL						2025 ELECTRIC	
2025 Net Present Cost Benefit Summ	ary Analysis For All	Participants				Input Summary and Totals	
			Rate	Total		Program "Inputs" per Customer kW	
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A
	Test	Test	Test	Test	Test	Annual Hours	В
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C
Benefits						Generator Peak Coincidence Factor	D
						Gross Load Factor at Customer	E
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F
Generation	N/A	\$1,815,596	\$1,815,596	\$1,815,596	\$1,815,596	Transmission Loss Factor (Demand)	G
T & D	N/A	\$207,833	\$207,833	\$207,833	\$207,833	Societal Net Benefit (Cost)	Н
Marginal Energy	N/A	\$1,999,463	\$1,999,463	\$1,999,463	\$1,999,463		
Environmental Externality	N/A	N/A	N/A	N/A	\$350,902		
Subtotal	N/A	\$4,022,891	\$4,022,891	\$4,022,891	\$4,373,793	Program Summary per Participant	
						Gross kW Saved at Customer	I
Participant Benefits						Net coincident kW Saved at Generator	(IxD)/(1-G)
Bill Reduction - Electric	\$4,550,800	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)
Rebates from Xcel Energy	\$314,764	N/A	N/A	\$314,764	\$314,764	Net Annual kWh Saved at Generator	( B x E x I ) / (1 - F)
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0		
Incremental O&M Savings	\$422,181	N/A	N/A	\$422,181	\$422,181		
Subtotal	\$5,287,745	N/A	N/A	\$736,945	\$736,945	Program Summary All Participants	
						Total Participants	J
Total Benefits	\$5,287,745	\$4,022,891	\$4,022,891	\$4,759,836	\$5,110,738	Total Budget	K
Costs						Gross kW Saved at Customer	(J x I)
						Net coincident kW Saved at Generator	(IxD)/(1-G)xJ
Utility Project Costs	/-					Gross Annual kWh Saved at Customer	(B x E x I ) x J
Customer Services	N/A N/A	\$313,700	\$313,700	\$313,700	\$313,700	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1 -$
Utility Administration Advertising & Promotion	N/A N/A	\$132,900 \$42,450	\$132,900 \$42,450	\$132,900 \$42,450	\$132,900 \$42,450	Societal Net Benefits	(J x I x H)
Measurement & Verification	N/A	\$0	\$0	\$12,130	\$12,130		
Rebates	N/A	\$314,764	\$314,764	\$314,764	\$314,764	Utility Program Cost per kWh Lifetime	
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen	
Subtotal	N/A	\$803,814	\$803,814	\$803,814	\$803,814		
Utility Revenue Reduction							
Revenue Reduction - Electric	N/A	N/A	\$4,550,800	N/A	N/A		
Subtotal	N/A	N/A	\$4,550,800	N/A	N/A		
Participant Costs							
Incremental Capital Costs	\$929,551	N/A	N/A	\$929,551	\$929,551		
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0		
Subtotal	\$929,551	N/A	N/A	\$929,551	\$929,551		
Total Costs	\$929,551	\$803,814	\$5,354,614	\$1,733,365	\$1,733,365		

\$3,026,471

2.75

\$3,377,373

2.95

(\$1,331,722)

0.75

\$3,219,077

5.00

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

\$4,358,194

5.69

Net Benefit (Cost)

2025 ELECTRIC		GOAL
nput Summary and Totals		
rogram "Inputs" per Customer kW		
Lifetime (Weighted on Generator kWh)	A	16.2 years
Annual Hours	В	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	34.52%
Gross Load Factor at Customer	E	9.72%
Transmission Loss Factor (Energy)	F	4.775%
Transmission Loss Factor (Demand)	G	6.520%
Societal Net Benefit (Cost)	Н	\$684
Net coincident kW Saved at Generator Gross Annual kWh Saved at Customer Net Annual kWh Saved at Generator	(IxD)/(1-G) (BxExI) (BxExI)/(1-F)	0.05 kW 113 kWl 119 kWl
rogram Summary All Participants		
Total Participants	J	37,230
Total Budget	K	\$803,814
Gross kW Saved at Customer	(J x I)	4,940.83 kW
Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	1,825 kW
Gross Annual kWh Saved at Customer	( B x E x I ) x J	4,205,814 kWl
Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F))\times J$	4,416,721 kWl
Societal Net Benefits	(J x I x H)	\$3,377,373
Utility Program Cost per kWh Lifetime		\$0.0112
Utility Program Cost per kW at Gen		\$441