	Exec	utive Su	mmary	Table -	2019			
2019	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	334	\$389,320	484	3,985,513	2.47	5.78	0.49	1.16
Business Saver's Switch	12	\$37,213	42	107	INF	1.26	0.65	1.26
Peak and Energy Control	1	\$10,000	99	3,695	INF	4.66	1.15	4.66
Business Segment Total	347	\$436,533	626	3,989,315	2.51	5.37	0.50	1.17
Residential Segment								
Home Lighting	2,635	\$93,412	154	1,508,018	8.02	3.15	0.36	1.91
Residential Saver's Switch	770	\$187,913	546	1,651	INF	3.24	0.86	3.24
Consumer Education	68,000	\$21,165	N/A	N/A				
Residential Segment Total	71,405	\$302,490	700	1,509,669	13.31	2.99	0.58	2.43
Planning Segment								
Regulatory Affairs	0	\$13,000	N/A	N/A				
Planning Segment Total	0	\$13,000	N/A	N/A				
PORTFOLIO TOTAL	71,752	\$752,023	1,326	5,498,983	3.07	4.32	0.52	1.36

LIGHTING EFFICIENC	CY					2019 ELE	CCTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary 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	18.1 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW
Benefits						Generator Peak Coincidence Factor	D	54.30%
						Gross Load Factor at Customer	E	50.96%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	4.420%
Generation	N/A	\$364,323	\$364,323	\$364,323	\$364,323	Transmission Loss Factor (Demand)	G	4.310%
T & D	N/A	\$222,200	\$222,200	\$222,200	\$222,200	Societal Net Benefit (Cost)	Н	\$401
Marginal Energy	N/A	\$1,663,806	\$1,663,806	\$1,663,806	\$1,663,806			
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$2,250,329	\$2,250,329	\$2,250,329	\$2,250,329	Program Summary per Participant		
						Gross kW Saved at Customer	I	2.56 kW
Participant Benefits				**/*	/ -	Net coincident kW Saved at Generator	(I x D) / (1 - G)	1.45 kW
Bill Reduction - Electric Rebates from Xcel Energy	\$4,174,756 \$284,320	N/A N/A	N/A N/A	N/A \$284,320	N/A \$284,320	Gross Annual kWh Saved at Customer Net Annual kWh Saved at Generator	(BxExI) (BxExI)/(1-F)	11,405 kWh 11,933 kWh
Incremental Capital Savings	\$284,320 \$0	N/A N/A	N/A N/A	\$284,320 \$0	\$284,320 \$0	Net Annual Rwn Saved at Generator	(BXEXI) / (I-F)	11,933 KWn
Incremental O&M Savings	\$0 \$0	N/A	N/A	\$0 \$0	\$0 \$0			
Subtotal	\$4,459,076	N/A	N/A	\$284,320	\$284,320	Program Summary All Participants		
		,	,	. ,		Total Participants	J	334
Total Benefits	\$4,459,076	\$2,250,329	\$2,250,329	\$2,534,649	\$2,534,649	Total Budget	K	\$389,320
Costs						Gross kW Saved at Customer	(J x I)	853.38 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	484 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ	3,809,353 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	3,985,513 kWh
Utility Administration	N/A	\$105,000	\$105,000	\$105,000	\$105,000	Societal Net Benefits	(JxIxH)	\$342,046
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$284,320	\$284,320	\$284,320	\$284,320	Utility Program Cost per kWh Lifetime		\$0.0054
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		\$804
Subtotal	N/A	\$389,320	\$389,320	\$389,320	\$389,320			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$4,174,756	N/A	N/A			
Subtotal	N/A	N/A	\$4,174,756	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$1,717,744	N/A	N/A	\$1,717,744	\$1,717,744			
Incremental O&M Costs	\$85,539	N/A	N/A	\$85,539	\$85,539			

\$1,803,283

\$2,192,603

\$342,046

1.16

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

\$1,803,283

\$1,803,283

\$2,655,793

2.47

N/A

5.78

\$389,320

\$1,861,009

N/A

\$4,564,076

(\$2,313,747)

0.49

\$1,803,283

\$2,192,603

\$342,046

1.16

Subtotal

Total Costs

Net Benefit (Cost)

BUSINESS SAVER'S SWI	ITCH					2019 ELE	CTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary 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	15.0 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW
Benefits						Generator Peak Coincidence Factor	D	20.00%
						Gross Load Factor at Customer	E	0.01%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	4.420%
Generation	N/A	\$29,168	\$29,168	\$29,168	\$29,168	Transmission Loss Factor (Demand)	G	4.310%
T & D	N/A	\$17,765	\$17,765	\$17,765	\$17,765	Societal Net Benefit (Cost)	Н	\$49
Marginal Energy	N/A	\$60	\$60	\$60	\$60	· · ·		
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$46,992	\$46,992	\$46,992	\$46,992	Program Summary per Participant		
D 11 D 6						Gross kW Saved at Customer	I (I D) /// (I C)	16.79 kW
Participant Benefits Bill Reduction - Electric	\$34,908	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator Gross Annual kWh Saved at Customer	(I x D) / (1 - G) (B x E x I)	3.51 kW 8 kWh
Rebates from Xcel Energy	\$34,908 \$0	N/A N/A	N/A N/A	N/A \$0	\$0	Net Annual kWh Saved at Customer	(BxExI) (BxExI)/(1-F)	9 kWh
Incremental Capital Savings	\$0 \$0	N/A	N/A	\$0 \$0	\$ 0	TVCt /Hillian RWII Saved at Generator	(BXEXI) / (I-I)) KWII
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$34,908	N/A	N/A	\$0	\$0	Program Summary All Participants		
						Total Participants	J	12
Total Benefits	\$34,908	\$46,992	\$46,992	\$46,992	\$46,992	Total Budget	K	\$37,213
Costs						Gross kW Saved at Customer	(J x I)	201.50 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	42 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ	102 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((\mathbf{B} \times \mathbf{E} \times \mathbf{I})/(1-\mathbf{F})) \times \mathbf{J}$	107 kWh
Utility Administration	N/A	\$37,213	\$37,213	\$37,213	\$37,213	Societal Net Benefits	(J x I x H)	\$9,779
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			
Measurement & Verification	N/A	\$0	\$ 0	\$0	\$0	THE P. C. LEWIS LIGHT		*22.204#
Rebates Other	N/A N/A	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	Utility Program Cost per kWh Lifetime Utility Program Cost per kW at Gen		\$23.2865 \$884
Subtotal	N/A	\$37,213	\$37,213	\$37,213	\$37,213	Ctility Flogram Cost per kw at Gen		φ00 1
Subtour	-1,711	957,215	Q07,210	937,213	437,213			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$34,908	N/A	N/A			
Subtotal	N/A	N/A	\$34,908	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			

\$37,213

\$9,779 1.26

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

\$0

\$34,908

INF

N/A

\$37,213

\$9,779

1.26

N/A

\$72,121

(\$25,128)

0.65

\$0

\$37,213

\$9,779

1.26

Subtotal

Total Costs

Net Benefit (Cost)

PEAK AND ENERGY CO	ONTROL					2019 ELF	ECTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary Analysis For Al	1 Participants				Input Summary and Totals		
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	5.0 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	47.46%
						Gross Load Factor at Customer	E	0.20%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	4.420%
Generation	N/A	\$28,419	\$28,419	\$28,419	\$28,419	Transmission Loss Factor (Demand)	G	4.310%
T & D	N/A	\$17,221	\$17,221	\$17,221	\$17,221	Societal Net Benefit (Cost)	Н	\$183
Marginal Energy	N/A	\$961	\$961	\$961	\$961			
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$46,601	\$46,601	\$46,601	\$46,601	Program Summary per Participant		
						Gross kW Saved at Customer	I	200.00 kW
Participant Benefits						Net coincident kW Saved at Generator	(I x D) / (1 - G)	99.20 kW
Bill Reduction - Electric	\$30,671	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(B x E x I)	3,532 kWh
Rebates from Xcel Energy	\$0	N/A	N/A	\$0	\$0	Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	3,695 kWh
Incremental Capital Savings	\$0 \$0	N/A	N/A	\$0	\$0			
Incremental O&M Savings Subtotal	\$30,671	N/A N/A	N/A N/A	\$0 \$0	\$0 \$0	Program Summary All Participants		
Subtotal	\$30,671	N/A	N/A	\$0	\$0	<u> </u>	Y	
H 1D 5						Total Participants	J	1
Total Benefits	\$30,671	\$46,601	\$46,601	\$46,601	\$46,601	Total Budget	K	\$10,000
Costs						Gross kW Saved at Customer	(J x I)	200.00 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	99 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xI	3,532 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	3,695 kWh
Utility Administration	N/A	\$10,000	\$10,000	\$10,000	\$10,000	Societal Net Benefits	(JxIxH)	\$36,601
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			·
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime		\$0.5412
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		\$101
Subtotal	N/A	\$10,000	\$10,000	\$10,000	\$10,000			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$30,671	N/A	N/A			
Subtotal	N/A	N/A	\$30,671	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			
	90	21/21	/	90				

\$10,000

\$36,601

4.66

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

\$0

\$0

\$30,671

INF

N/A

\$10,000

\$36,601

4.66

N/A

\$10,000

\$36,601

4.66

\$40,671

\$5,930

1.15

Subtotal

Total Costs

Net Benefit (Cost)

BUSINESS SEGMENT T	OTAL					2019 ELF	ECTRIC	GOAL
2019 Net Present Cost Benefit Summ	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	18.1 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	47.70%
						Gross Load Factor at Customer	E	34.69%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	4.420%
Generation	N/A	\$421,909	\$421,909	\$421,909	\$421,909	Transmission Loss Factor (Demand)	G	4.310%
T & D	N/A	\$257,186	\$257,186	\$257,186	\$257,186	Societal Net Benefit (Cost)	Н	\$310
Marginal Energy	N/A	\$1,664,828	\$1,664,828	\$1,664,828	\$1,664,828			
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$2,343,922	\$2,343,922	\$2,343,922	\$2,343,922	Program Summary per Participant		
Date Date						Gross kW Saved at Customer	I	3.62 kW
Participant Benefits Bill Reduction - Electric	\$4,240,334	N/A	N/A	N/A	N/A	Net coincident kW Saved at Generator Gross Annual kWh Saved at Customer	(I x D) / (1 - G) (Bx E x I)	1.80 kW 10,988 kWl
Rebates from Xcel Energy	\$4,240,334 \$284,320	N/A N/A	N/A N/A	\$284,320	\$284,320	Net Annual kWh Saved at Customer	(BxExI) (BxExI)/(1-F)	11,497 kWl
Incremental Capital Savings	\$204,320	N/A	N/A	\$204,320	\$204,320	TVCt Attitual RWII Saved at Generator	(DXEXT) / (1-1)	11,77 KWI
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$4,524,654	N/A	N/A	\$284,320	\$284,320	Program Summary All Participants		
						Total Participants	J	34
Total Benefits	\$4,524,654	\$2,343,922	\$2,343,922	\$2,628,242	\$2,628,242	Total Budget	K	\$436,533
Costs						Gross kW Saved at Customer	(J x I)	1,254.88 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	626 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(BxExI)xJ	3,812,987 kWl
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	3,989,315 kWl
Utility Administration	N/A	\$152,213	\$152,213	\$152,213	\$152,213	Societal Net Benefits	(J x I x H)	\$388,426
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0	TIN B		***
Rebates Other	N/A N/A	\$284,320 \$0	\$284,320 \$0	\$284,320 \$0	\$284,320 \$0	Utility Program Cost per kWh Lifetime Utility Program Cost per kW at Gen		\$0.0060 \$698
Subtotal	N/A	\$436,533	\$436,533	\$436,533	\$436,533	Cunty Flogram Cost per kw at Gen		φ 0 76
T								
Utility Revenue Reduction Revenue Reduction - Electric	N/A	N/A	\$4,240,334	NT / A	NT / A			
Subtotal	N/A N/A	N/A N/A	\$4,240,334 \$4,240,334	N/A N/A	N/A N/A			
Participant Costs								
Incremental Capital Costs	\$1,717,744	N/A	N/A	\$1,717,744	\$1,717,744			
merementai Capitai Costs	φ1,/1/,/ 44	IN/ A	$1N/\Lambda$	φ1,/1/,/ 44	91,/1/,/44			

\$1,803,283

\$2,239,816

\$388,426

1.17

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

\$1,803,283

\$1,803,283

\$2,721,371

2.51

N/A

5.37

\$436,533

\$1,907,389

N/A

\$4,676,867

(\$2,332,945)

0.50

\$1,803,283

\$2,239,816

\$388,426

1.17

Subtotal

Total Costs

Net Benefit (Cost)

HOME LIGHTING						2019 ELE	CTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary 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	4.6 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW
Benefits						Generator Peak Coincidence Factor	D	11.67%
						Gross Load Factor at Customer	E	13.08%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	5.227%
Generation	N/A	\$39,061	\$39,061	\$39,061	\$39,061	Transmission Loss Factor (Demand)	G	5.453%
T & D	N/A	\$23,664	\$23,664	\$23,664	\$23,664	Societal Net Benefit (Cost)	Н	\$141
Marginal Energy	N/A	\$231,235	\$231,235	\$231,235	\$231,235	. , ,		-
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$293,960	\$293,960	\$293,960	\$293,960	Program Summary per Participant		
						Gross kW Saved at Customer	I	0.47 kW
Participant Benefits			/-	/ -	/-	Net coincident kW Saved at Generator	(I x D) / (1 - G)	0.06 kW
Bill Reduction - Electric	\$722,035 \$74,162	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(Bx Ex I)	542 kWh 572 kWh
Rebates from Xcel Energy Incremental Capital Savings	\$74,162 \$0	N/A N/A	N/A N/A	\$74,162 \$0	\$74,162 \$0	Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	5/2 KWN
Incremental O&M Savings	\$0 \$0	N/A N/A	N/A N/A	\$0 \$0	\$0 \$0			
Subtotal	\$796,196	N/A	N/A	\$74,162	\$74,162	Program Summary All Participants		
	4,	- 1,	- 1,	# · · · · · · · · · · ·	4,	Total Participants	Ţ	2,635
Total Benefits	\$796,196	\$293,960	\$293,960	\$368,121	\$368,121	Total Budget	K	\$93,412
Costs						Gross kW Saved at Customer	(J x I)	1,246.97 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	154 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(B x E x I) x J	1,429,187 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F))\times J$	1,508,018 kWh
Utility Administration	N/A	\$19,251	\$19,251	\$19,251	\$19,251	Societal Net Benefits	(JxIxH)	\$175,416
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$74,162	\$74,162	\$74,162	\$74,162	Utility Program Cost per kWh Lifetime		\$0.0135
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		\$607
Subtotal	N/A	\$93,412	\$93,412	\$93,412	\$93,412			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$722,035	N/A	N/A			
Subtotal	N/A	N/A	\$722,035	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$99,293	N/A	N/A	\$99,293	\$99,293			
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0			

\$99,293

\$192,705

\$175,416 1.91

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

\$99,293

\$99,293

\$696,903

8.02

N/A

\$93,412

\$200,548

3.15

N/A

\$815,447

(\$521,487)

0.36

\$99,293

\$192,705

\$175,416

1.91

Subtotal

Total Costs

Net Benefit (Cost)

RESIDENTIAL SAVER'S	S SWITCH					2019 ELF	ECTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary 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	15.0 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW
Benefits						Generator Peak Coincidence Factor	D	27.29%
						Gross Load Factor at Customer	E	0.01%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	5.500%
Generation	N/A	\$378,415	\$378,415	\$378,415	\$378,415	Transmission Loss Factor (Demand)	G	5.525%
T & D	N/A	\$230,475	\$230,475	\$230,475	\$230,475	Societal Net Benefit (Cost)	Н	\$223
Marginal Energy	N/A	\$781	\$781	\$781	\$781			
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$609,671	\$609,671	\$609,671	\$609,671	Program Summary per Participant		
						Gross kW Saved at Customer	I	2.46 kW
Participant Benefits						Net coincident kW Saved at Generator	(I x D) / (1 - G)	0.71 kW
Bill Reduction - Electric	\$525,107	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	2 kWh
Rebates from Xcel Energy	\$ 0	N/A	N/A	\$0	\$ 0	Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	2 kWh
Incremental Capital Savings Incremental O&M Savings	\$0 \$0	N/A N/A	N/A N/A	\$0 \$0	\$0 \$0			
Subtotal	\$525,107	N/A	N/A	\$0 \$0	\$0	Program Summary All Participants		
Subtotal	\$525,107	N/A	N/A	\$0	3 0	Total Participants	ī	770
75 - 1 D - 5	0505.405	*	**************************************	**************************************	8400 484	1	J	
Total Benefits	\$525,107	\$609,671	\$609,671	\$609,671	\$609,671	Total Budget	K	\$187,913
Costs						Gross kW Saved at Customer	(J x I)	1,891.50 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	546 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(Bx E x I) x J	1,560 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	1,651 kWh
Utility Administration	N/A	\$187,913	\$187,913	\$187,913	\$187,913	Societal Net Benefits	(JxIxH)	\$421,758
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0			
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kWh Lifetime		\$7.5888
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		\$344
Subtotal	N/A	\$187,913	\$187,913	\$187,913	\$187,913	·		
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$525,107	N/A	N/A			
Subtotal	N/A	N/A	\$525,107	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			
meremental Octivi Gosts	- ·	14/11	11/11	90	90			

\$187,913

\$421,758 3.24

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

\$0

\$525,107

INF

N/A

\$187,913

\$421,758

3.24

N/A

\$187,913

\$421,758

3.24

\$713,020

(\$103,350)

0.86

Subtotal

Total Costs

Net Benefit (Cost)

RESIDENTIAL SEGME	NT TOTAL					2019 ELF	ECTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary Analysis For Al	1 Participants				Input Summary and Totals		
			Rate	Total		Program "Inputs" per Customer kW		
	Participant	Utility	Impact	Resource	Societal	Lifetime (Weighted on Generator kWh)	A	4.6 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	21.09%
						Gross Load Factor at Customer	E	5.20%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	5.228%
Generation	N/A	\$417,475	\$417,475	\$417,475	\$417,475	Transmission Loss Factor (Demand)	G	5.496%
T & D	N/A	\$254,139	\$254,139	\$254,139	\$254,139	Societal Net Benefit (Cost)	Н	\$184
Marginal Energy	N/A	\$232,016	\$232,016	\$232,016	\$232,016			
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$903,631	\$903,631	\$903,631	\$903,631	Program Summary per Participant		
						Gross kW Saved at Customer	I	0.04 kW
Participant Benefits						Net coincident kW Saved at Generator	(I x D) / (1 - G)	0.01 kW
Bill Reduction - Electric	\$1,247,142	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	20 kWh
Rebates from Xcel Energy	\$74,162	N/A	N/A	\$74,162	\$74,162	Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	21 kWh
Incremental Capital Savings	\$0	N/A	N/A	\$0	\$0			
Incremental O&M Savings	\$0	N/A	N/A	\$0	\$0			
Subtotal	\$1,321,304	N/A	N/A	\$74,162	\$74,162	Program Summary All Participants		
						Total Participants	J	71,405
Total Benefits	\$1,321,304	\$903,631	\$903,631	\$977,792	\$977,792	Total Budget	K	\$302,490
Costs						Gross kW Saved at Customer	(J x I)	3,138.47 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	700 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(Bx E x I) x J	1,430,747 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	1,509,669 kWh
Utility Administration	N/A	\$228,329	\$228,329	\$228,329	\$228,329	Societal Net Benefits	(x xH)	\$576,009
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0		(3	
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$74,162	\$74,162	\$74,162	\$74,162	Utility Program Cost per kWh Lifetime		\$0.0435
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		\$432
Subtotal	N/A	\$302,490	\$302,490	\$302,490	\$302,490			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$1,247,142	N/A	N/A			
Subtotal	N/A	N/A	\$1,247,142	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$99,293	N/A	N/A	\$99,293	\$99,293			
Incremental O&M Costs	\$0	N/A	N/A	\$0	\$0			
				*				

\$99,293

\$401,783

\$576,009

2.43

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

\$99,293

\$99,293

\$1,222,010

13.31

N/A

\$302,490

\$601,141

2.99

N/A

\$1,549,632

(\$646,001)

0.58

\$99,293

\$401,783

\$576,009

2.43

Subtotal

Total Costs

Net Benefit (Cost)

PORTFOLIO TOTAL						2019 ELE	CCTRIC	GOAL
2019 Net Present Cost Benefit Sum	mary 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	14.4 years
	Test	Test	Test	Test	Test	Annual Hours	В	8760
	(\$Total)	(\$Total)	(\$Total)	(\$Total)	(\$Total)	Gross Customer kW	C	1 kW
Benefits						Generator Peak Coincidence Factor	D	28.62%
						Gross Load Factor at Customer	E	13.63%
Avoided Revenue Requirements						Transmission Loss Factor (Energy)	F	4.642%
Generation	N/A	\$839,384	\$839,384	\$839,384	\$839,384	Transmission Loss Factor (Demand)	G	5.161%
T & D	N/A	\$511,325	\$511,325	\$511,325	\$511,325	Societal Net Benefit (Cost)	Н	\$217
Marginal Energy	N/A	\$1,896,844	\$1,896,844	\$1,896,844	\$1,896,844	. , ,		
Environmental Externality	N/A	N/A	N/A	N/A	\$0			
Subtotal	N/A	\$3,247,553	\$3,247,553	\$3,247,553	\$3,247,553	Program Summary per Participant		
						Gross kW Saved at Customer	I	0.06 kW
Participant Benefits			/-	/ .	/ -	Net coincident kW Saved at Generator	(I x D) / (1 - G)	0.02 kW
Bill Reduction - Electric	\$5,487,476	N/A	N/A	N/A	N/A	Gross Annual kWh Saved at Customer	(BxExI)	73 kWh
Rebates from Xcel Energy Incremental Capital Savings	\$358,482 \$0	N/A N/A	N/A N/A	\$358,482 \$0	\$358,482 \$0	Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	77 kWh
Incremental O&M Savings	\$0 \$0	N/A N/A	N/A N/A	\$0 \$0	\$0 \$0			
Subtotal	\$5,845,958	N/A	N/A	\$358,482	\$358,482	Program Summary All Participants		
	40,000,00	-1,	- 1,7 - 2	*****	1000,100	Total Participants	Ţ	71,752
Total Benefits	\$5,845,958	\$3,247,553	\$3,247,553	\$3,606,034	\$3,606,034	Total Budget	K	\$752,023
Costs						Gross kW Saved at Customer	(J x I)	4,393.35 kW
						Net coincident kW Saved at Generator	$(I \times D) / (1 - G) \times J$	1,326 kW
Utility Project Costs						Gross Annual kWh Saved at Customer	(Bx E x I) x J	5,243,734 kWh
Customer Services	N/A	\$0	\$0	\$0	\$0	Net Annual kWh Saved at Generator	$((B \times E \times I)/(1-F)) \times J$	5,498,983 kWh
Utility Administration	N/A	\$393,542	\$393,542	\$393,542	\$393,542	Societal Net Benefits	(JxIxH)	\$951,435
Advertising & Promotion	N/A	\$0	\$0	\$0	\$0		V.	
Measurement & Verification	N/A	\$0	\$0	\$0	\$0			
Rebates	N/A	\$358,482	\$358,482	\$358,482	\$358,482	Utility Program Cost per kWh Lifetime		\$0.0095
Other	N/A	\$0	\$0	\$0	\$0	Utility Program Cost per kW at Gen		\$567
Subtotal	N/A	\$752,023	\$752,023	\$752,023	\$752,023			
Utility Revenue Reduction								
Revenue Reduction - Electric	N/A	N/A	\$5,487,476	N/A	N/A			
Subtotal	N/A	N/A	\$5,487,476	N/A	N/A			
Participant Costs								
Incremental Capital Costs	\$1,817,037	N/A	N/A	\$1,817,037	\$1,817,037			
Incremental O&M Costs	\$85,539	N/A	N/A	\$85,539	\$85,539			

\$1,902,576

\$2,654,599

\$951,435

1.36

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

\$1,902,576

\$1,902,576

\$3,943,382

3.07

N/A

4.32

\$752,023

\$2,495,530

N/A

\$6,239,499

(\$2,991,946)

0.52

\$1,902,576

\$2,654,599

\$951,435

1.36

Subtotal

Total Costs

Net Benefit (Cost)