5000 West Russell Street
P.O. Box 988
Sioux Falls, SD 57101-0988

October 12, 2017

—Via Electronic Filing—

Ms. Patricia Van Gerpen, Executive Director
South Dakota Public Utilities Commission
State Capitol Building
500 East Capitol Avenue
Pierre, South Dakota 57501-5070

RE: SUPPLEMENTAL DSM FILING
2016 DSM STATUS REPORT AND PROPOSED 2018 DSM PLAN

Dear Ms. Van Gerpen:

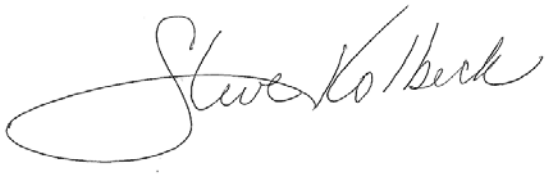
Northern States Power Company, doing business as Xcel Energy, submits to the South Dakota Public Utilities Commission, this Supplemental DSM Filing. This Supplement serves as an update to our April 28, 2017 Petition by Northern States Power Company (Company) seeking approval of the 2016 Annual Demand Side Management (DSM) Status Report, including 2016 cost recovery and incentive, as well as approval of our Proposed 2018 DSM Plan (Plan) and Cost Adjustment Factor.

We present this Supplement to reflect our request to adjust our Business Lighting program within the proposed Plan. In doing so, customers will have the opportunity to take advantage of rebates for newer, more cost-effective technologies.

Attached you will find the Supplement including program details and the updated Executive Summary. Our request does not adjust the currently requested budget, but will increase savings and adjust the overall cost-effectiveness of the portfolio.

Should you have any questions, please call me at 605-339-8303 or email at steven.t.kolbeck@xcelenergy.com.

Sincerely,



By: _____
Steve Kolbeck, Principal Manager –South Dakota

STATE OF SOUTH DAKOTA
BEFORE THE
SOUTH DAKOTA PUBLIC UTILITIES COMMISSION

IN THE MATTER OF THE PETITION OF NORTHERN STATES POWER COMPANY FOR APPROVAL OF THE 2016 ANNUAL DSM STATUS REPORT, INCLUDING 2016 COST RECOVERY AND INCENTIVE AND APPROVAL OF THE PROPOSED 2018 DSM COST ADJUSTMENT FACTOR AND PROGRAM PLAN	**PETITION FOR 2016 DSM PROGRAM APPROVAL AND PROPOSED 2018 DSM COST ADJUSTMENT FACTOR** DOCKET NO. EL17- 019

Northern States Power Company, doing business as Xcel Energy, submits to the South Dakota Public Utilities Commission, this Supplemental DSM Filing. This Supplement serves as an update to our April 28, 2017 Petition by Northern States Power Company (Company) seeking approval of the 2016 Annual Demand Side Management (DSM) Status Report, including 2016 cost recovery and incentive, as well as approval of our Proposed 2018 DSM Plan (Plan) and Cost Adjustment Factor.

Specifically, the Company requests that the Commission approve our revised 2018 DSM Plan including:

- new measures in the Business Lighting Efficiency program;
- changes to current LED rebates; and
- modifications to our proposed energy savings goal.

The following sections explain our requested update.

I. *Business Lighting Efficiency Update* – Presents an update to Business Lighting Efficiency program including updated Attachments.

II. *Updated 2018 Executive Summary* – Presents the updated 2018 DSM Plan Executive Summary with associated lighting changes.

UPDATE

I. Business Lighting Efficiency

The Business Lighting Efficiency program offers retrofit rebate incentives to Xcel Energy commercial and industrial customers who purchase and install qualifying energy efficient lighting products. Rebates are offered to encourage customers to purchase energy efficient lighting by reducing the up-front costs associated with new lighting equipment. Customers apply for rebates by completing the application and providing a detailed invoice for the newly installed equipment.

Proposed Program Changes for 2018

The Company proposes to adjust the LED portfolio in our Business Lighting Efficiency program in order to better align with the quickly changing LED market. Specifically, we intend to reduce the rebates for outdoor canopy lighting, parking lot lighting and troffers. In addition, we propose adding rebates for linear tubes.

As newer lighting options become more conventional, the cost of LED technologies continues to change. Incremental costs, therefore, have shifted so that certain measures are more than enough to affect adoption. Therefore, we propose to adjust these rebate amounts in 2018 to better align the program with market conditions and allow for the addition of new technologies to our portfolio.

LED linear tubes will be added to the 2018 portfolio as a cost-effective measure for customers. Linear tubes are a less expensive option for customers than replacing an entire troffer fixture. These fixtures are popular customer options because they are low in cost and easy to replace. By decreasing the rebates in the high cost measures such as LED troffers, the Company hopes to reduce the participation in these measures and guide customers to the LED linear tube measure.

In addition, this change has improved the overall cost-effectiveness of the program. The TRC level increased from 1.06 to 1.18. Along with this change, we will continue to monitor market conditions closely and manage the program's offerings to ensure market-appropriate rebate levels and technology requirements.

Table 1 summarizes these changes. We additionally provide the full lighting rebate details as part of Attachment B1 and the updated cost-benefit analyses as Attachment C.

Table 1: 2018 Rebate Changes for Business Lighting

Category	Measure	2018 Supplement New Rebate	2017 Rebate
Retrofit	LED Parking Garage Lighting 25W-60W	$75	$135
Retrofit	LED Troffer Fixture 1X4	$20	$50
Retrofit	LED Troffer Fixture 2X2	$20	$50
Retrofit	LED Troffer Fixture 2X4	$30	$50
Retrofit	LED Troffer Retrofit Kit 1X4	$15	$30
Retrofit	LED Troffer Retrofit Kit 2X2	$15	$30
Retrofit	LED Troffer Retrofit Kit 2X4	$25	$30
Retrofit	LED Outdoor Canopy or Soffit lighting 25W - 60W	$75	$100
Retrofit	LED Outdoor Canopy or Soffit lighting 61W - 150W	$100	$125
New Construction	LED Troffer Fixture 1X4	$15	$30
New Construction	LED Troffer Fixture 2X2	$15	$30
New Construction	LED Troffer Fixture 2X4	$25	$30
New Construction	LED Outdoor Canopy or Soffit lighting 61W - 150W	$90	$100
Retrofit	LED Tube Type A 2 foot	$2	New
Retrofit	LED Tube Type C 2 foot	$5	New
Retrofit	LED Tube Type A 4 foot	$2	New
Retrofit	LED Tube Type C 4 foot	$5	New
Retrofit	LED Tube Type B 4 foot	$3	New

II. 2016 Executive Summary

This section includes an updated summary of the Company's proposed 2018 DSM Plan.

The impact of this change includes an addition of 548,556 kWh to our original Petition. As shown in the table below, we are increasing participation in the Business Lighting Efficiency program by adding new LED technologies. However, while there

is an increase in savings based on participation growth, we anticipate that the mix of measures, including the reduction of other rebates, will alter in a way that allows us to maintain our originally requested budget.

The summary also shows the total portfolio has a passing TRC Ration of 1.33. A full Executive Summary, which includes all cost-effectiveness test results, is provided in Attachment A. We respectfully request that the Commission approves this revised 2018 Plan.

Table 1 – Executive Summary Table of 2018 Forecast

Executive Summary Table - 2018					
2018	**Electric Participants**	**Electric Budget**	**Generator kW**	**Generator kWh**	**TRC Ratio**
Business Segment					
Lighting Efficiency	325	$389,520	509	3,913,384	1.18
Business Saver's Switch	12	$37,213	44	108	1.28
Peak and Energy Control	1	$10,000	102	3,707	4.71
Business Segment Total	**338**	**$436,733**	**655**	**3,917,198**	**1.20**
Residential Segment					
Home Lighting	3,225	$109,598	162	1,480,452	1.22
Residential Saver's Switch	770	$187,913	565	1,486	3.28
Consumer Education	68,000	$27,165	0	0	-
Residential Segment Total	**71,995**	**$324,676**	**727**	**1,481,938**	**1.85**
Planning Segment					
Regulatory Affairs	0	$13,000	0	0	-
Planning Segment Total	**0**	**$13,000**	**0**	**0**	**-**
PORTFOLIO TOTAL	**72,333**	**$774,408**	**1,382**	**5,399,136**	**1.33**

Service of Filings

We request that communications regarding this Application be directed to:

Lynnette Sweet
Regulatory Administrator
Xcel Energy Services Inc.
414 Nicollet Mall, 401-07
Minneapolis, MN 55401
Regulatory.records@xcelenergy.com

CONCLUSION

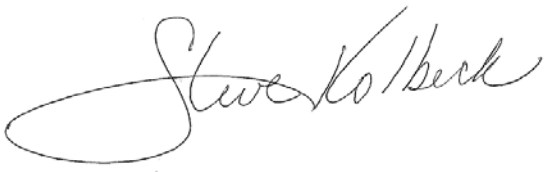
In summary, the Company respectfully requests that the Commission approve our revised 2018 DSM Plan including:

- new measures in the Business Lighting Efficiency program;
- changes to current LED rebates; and
- modifications to our proposed energy savings goal.

Xcel Energy looks forward to continuing our DSM programs in South Dakota. The Company appreciates the interest and efforts of South Dakota policy makers in supporting this DSM portfolio.

Dated: October 12, 2017

Xcel Energy



By: _____

Steve Kolbeck
Principal Manager –South Dakota

Executive Summary Table - 2018

2018	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	325	$ 389,520	509	3,913,384	2.42	5.49	0.52	1.18
Business Saver's Switch	12	$ 37,213	44	108	INF	1.28	0.64	1.28
Peak and Energy Control	1	$ 10,000	102	3,707	INF	4.71	1.80	4.71
Business Segment Total	**338**	**$ 436,733**	**655**	**3,917,198**	**2.45**	**5.11**	**0.53**	**1.20**
Residential Segment								
Home Lighting	3,225	$ 109,598	162	1,480,452	3.77	3.10	0.37	1.22
Residential Saver's Switch	770	$ 187,913	565	1,486	INF	3.28	0.86	3.28
Consumer Education	68,000	$ 27,165			-	-	-	-
Residential Segment Total	**71,995**	**$ 324,676**	**727**	**1,481,938**	**5.99**	**2.95**	**0.57**	**1.85**
Planning Segment								
Regulatory Affairs	0	$ 13,000	0	0				
Planning Segment Total	**0**	**$ 13,000**	**0**	**0**				
PORTFOLIO TOTAL	**72,333**	**$ 774,408**	**1,382**	**5,399,136**	**2.90**	**4.12**	**0.54**	**1.33**

2018 Lighting Measures

Type	Lighting Efficiency	Rebate Amount ($)
Retrofit	Wall mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	$ 15.00
Retrofit	Wall mount occupancy sensor - Greater than 300 Watts Controlled Load	$ 25.00
Retrofit	Ceiling mount occupancy sensor - 50 Watts to 300 Watts Controlled Load	$ 30.00
Retrofit	Ceiling mount occupancy sensor - Greater than 300 Watts Controlled Load	$ 40.00
Retrofit	Occupancy Sensor - Photocell	$ 25.00
Retrofit	Stairwell Fixture with Integral Occupancy Sensor	$ 25.00
Retrofit	LED/LEC Exit Sign	$ 25.00
Retrofit	LED Interior Screw In Fixture Retrofit	$ 15.00
Retrofit	LED Interior Fixture <= 25W	$ 35.00
Retrofit	LED Interior Fixture 26W - 50W	$ 50.00
Retrofit	LED Ref and Frz Cases 5' or 6' doors	$ 100.00
Retrofit	LED Parking Garage Lighting 25W-60W	$ 75.00
Retrofit	LED Area Lighting - 45-65W	$ 25.00
Retrofit	LED Area Lighting - 66-89W	$ 25.00
Retrofit	LED Area Lighting - 90-119W	$ 50.00
Retrofit	LED Area Lighting - 120-140W	$ 50.00
Retrofit	LED Troffer Fixture 1X4	$ 20.00
Retrofit	LED Troffer Fixture 2X2	$ 20.00
Retrofit	LED Troffer Fixture 2X4	$ 30.00
Retrofit	LED Troffer Retrofit Kit 1X4	$ 15.00
Retrofit	LED Troffer Retrofit Kit 2X2	$ 15.00
Retrofit	LED Troffer Retrofit Kit 2X4	$ 25.00
Retrofit	LED Exterior Wall Pack <= 25W	$ 35.00
Retrofit	LED Exterior Wall Pack 26W - 60W	$ 75.00
Retrofit	LED Exterior Wall Pack 61W - 150W	$ 100.00
Retrofit	LED Parking Garage Wall Pack <= 25W	$ 35.00
Retrofit	LED Parking Garage Wall Pack 26W - 60W	$ 75.00
Retrofit	LED Parking Garage Wall Pack 61W - 150W	$ 100.00
Retrofit	LED Outdoor Canopy or Soffit lighting 25W - 60W	$ 75.00
Retrofit	LED Outdoor Canopy or Soffit lighting 61W - 150W	$ 100.00
Retrofit	LED Interior Lamp <= 5W	$ 7.00
Retrofit	LED Interior Lamp 6W - 10W	$ 12.00
Retrofit	LED Interior Lamp 11W - 20W	$ 15.00
New Construction	LED Interior Lamp <= 5W	$ 7.00
New Construction	LED Interior Lamp 6W - 10W	$ 12.00
New Construction	LED Interior Lamp 11W - 20W	$ 15.00
New Construction	LED Interior Fixture <= 25W	$ 25.00
New Construction	LED Interior Fixture 26W - 50W	$ 40.00
New Construction	LED Ref and Frz Cases 5' or 6' doors	$ 70.00
New Construction	LED Parking Garage Lighting 25W-60W	$ 35.00
New Construction	LED Area Lighting - 45-65W	$ 15.00
New Construction	LED Area Lighting - 66-89W	$ 15.00
New Construction	LED Area Lighting - 90-119W	$ 30.00
New Construction	LED Area Lighting - 120-140W	$ 30.00
New Construction	LED Troffer Fixture 1X4	$ 15.00
New Construction	LED Troffer Fixture 2X2	$ 15.00
New Construction	LED Troffer Fixture 2X4	$ 25.00
New Construction	LED Exterior Wall Pack <= 25W	$ 15.00
New Construction	LED Exterior Wall Pack 26W - 60W	$ 30.00
New Construction	LED Exterior Wall Pack 61W - 150W	$ 50.00
New Construction	LED Parking Garage Wall Pack <= 25W	$ 15.00
New Construction	LED Parking Garage Wall Pack 26W - 60W	$ 30.00
New Construction	LED Parking Garage Wall Pack 61W - 150W	$ 50.00
New Construction	LED Outdoor Canopy or Soffit lighting 25W - 60W	$ 50.00
New Construction	LED Outdoor Canopy or Soffit lighting 61W - 150W	$ 90.00
Retrofit	LED Tube Type A 2 foot	$ 2 00
Retrofit	LED Tube Type C 2 foot	$ 5 00
Retrofit	LED Tube Type A 4 foot	$ 2 00
Retrofit	LED Tube Type C 4 foot	$ 5 00
Retrofit	LED Tube Type B 4 foot	$ 3 00

Home Lighting	Rebate Amount ($)
Average CFL Wattage Purchased In program	$ 1.25
LED Bulb	$ 2.40
Residential Value LED Bulb*	$ 9.00

*Residential Value LED Bulbs include fully loaded cost to install the bulb through the *HomeCheck Assessment* program

2018 SD DSM Plan Cost-Effectiveness Analysis

LIGHTING EFFICIENCY — 2018 — ELECTRIC — GOAL

2018 Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test ($Total)	Utility Test ($Total)	Rate Impact Test ($Total)	Total Resource Test ($Total)	Societal Test ($Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	$373,158	$373,158	$373,158	$373,158
T & D	N/A	$227,295	$227,295	$227,295	$227,295
Marginal Energy	N/A	$1,536,530	$1,536,530	$1,536,530	$1,536,530
Environmental Externality	N/A	N/A	N/A	N/A	$0
Subtotal	N/A	$2,136,983	$2,136,983	$2,136,983	$2,136,983
Participant Benefits					
Bill Reduction - Electric	$3,745,737	N/A	N/A	N/A	N/A
Rebates from Xcel Energy	$293,165	N/A	N/A	$293,165	$293,165
Incremental Capital Savings	$0	N/A	N/A	$0	$0
Incremental O&M Savings	$0	N/A	N/A	$0	$0
Subtotal	$4,038,902	N/A	N/A	$293,165	$293,165
Total Benefits	$4,038,902	$2,136,983	$2,136,983	$2,430,148	$2,430,148
Costs					
Utility Project Costs					
Customer Services	N/A	$22,100	$22,100	$22,100	$22,100
Utility Administration	N/A	$2,500	$2,500	$2,500	$2,500
Advertising & Promotion	N/A	$71,755	$71,755	$71,755	$71,755
Measurement & Verification	N/A	$0	$0	$0	$0
Rebates	N/A	$293,165	$293,165	$293,165	$293,165
Other	N/A	$0	$0	$0	$0
Subtotal	N/A	$389,520	$389,520	$389,520	$389,520
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	$3,745,737	N/A	N/A
Subtotal	N/A	N/A	$3,745,737	N/A	N/A
Participant Costs					
Incremental Capital Costs	$1,590,778	N/A	N/A	$1,590,778	$1,590,778
Incremental O&M Costs	$77,266	N/A	N/A	$77,266	$77,266
Subtotal	$1,668,044	N/A	N/A	$1,668,044	$1,668,044
Total Costs	$1,668,044	$389,520	$4,135,257	$2,057,564	$2,057,564
Net Benefit (Cost)	$2,370,858	$1,747,463	($1,998,274)	$372,584	$372,584
Benefit/Cost Ratio	2 42	5 49	0 52	1 18	1 18

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	18.2 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	56.21%
Gross Load Factor at Customer	E	50.79%
Transmission Loss Factor (Energy)	F	4.455%
Transmission Loss Factor (Demand)	G	7.106%
Societal Net Benefit (Cost)	H	$443

Program Summary per Participant

Gross kW Saved at Customer	I	2.59 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	1.56 kW
Gross Annual kWh Saved at Customer	(B x E x I)	11,505 kWh
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	12,041 kWh

Program Summary All Participants

Total Participants	J	325
Total Budget	K	**$389,520**
Gross kW Saved at Customer	(J x I)	840 kW
Net coincident kW Saved at Generator	**(I x D) / (1 - G) x J**	**509 kW**
Gross Annual kWh Saved at Customer	(B x E x I) x J	3,739,042 kWh
Net Annual kWh Saved at Generator	**((B x E x I) / (1 - F)) x J**	**3,913,384 kWh**
Societal Net Benefits	(J x I x H)	**$372,584**

Utility Program Cost per kWh Lifetime	**$0.0055**
Utility Program Cost per kW at Gen	**$766**

2018 SD DSM Plan Cost-Effectiveness Analysis

BUSINESS SEGMENT TOTAL **2018 ELECTRIC** **GOAL**

2018 Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test ($Total)	Utility Test ($Total)	Rate Impact Test ($Total)	Total Resource Test ($Total)	Societal Test ($Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	$431,348	$431,348	$431,348	$431,348
T & D	N/A	$262,605	$262,605	$262,605	$262,605
Marginal Energy	N/A	$1,537,623	$1,537,623	$1,537,623	$1,537,623
Environmental Externality	N/A	N/A	N/A	N/A	$0
Subtotal	N/A	$2,231,576	$2,231,576	$2,231,576	$2,231,576
Participant Benefits					
Bill Reduction - Electric	$3,798,497	N/A	N/A	N/A	N/A
Rebates from Xcel Energy	$293,165	N/A	N/A	$293,165	$293,165
Incremental Capital Savings	$0	N/A	N/A	$0	$0
Incremental O&M Savings	$0	N/A	N/A	$0	$0
Subtotal	$4,091,662	N/A	N/A	$293,165	$293,165
Total Benefits	$4,091,662	$2,231,576	$2,231,576	$2,524,741	$2,524,741
Costs					
Utility Project Costs					
Customer Services	N/A	$44,000	$44,000	$44,000	$44,000
Utility Administration	N/A	$21,050	$21,050	$21,050	$21,050
Advertising & Promotion	N/A	$78,518	$78,518	$78,518	$78,518
Measurement & Verification	N/A	$0	$0	$0	$0
Rebates	N/A	$293,165	$293,165	$293,165	$293,165
Other	N/A	$0	$0	$0	$0
Subtotal	N/A	$436,733	$436,733	$436,733	$436,733
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	$3,798,497	N/A	N/A
Subtotal	N/A	N/A	$3,798,497	N/A	N/A
Participant Costs					
Incremental Capital Costs	$1,590,778	N/A	N/A	$1,590,778	$1,590,778
Incremental O&M Costs	$77,266	N/A	N/A	$77,266	$77,266
Subtotal	$1,668,044	N/A	N/A	$1,668,044	$1,668,044
Total Costs	$1,668,044	$436,733	$4,235,230	$2,104,776	$2,104,776
Net Benefit (Cost)	$2,423,619	$1,794,844	($2,003,653)	$419,965	$419,965
Benefit/Cost Ratio	2 45	5 11	0 53	1 20	1 20

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	18.2 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	48.91%
Gross Load Factor at Customer	E	34.40%
Transmission Loss Factor (Energy)	F	4.455%
Transmission Loss Factor (Demand)	G	7.195%
Societal Net Benefit (Cost)	H	$338

Program Summary per Participant

Gross kW Saved at Customer	I	3.67 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	1.94 kW
Gross Annual kWh Saved at Customer	(B x E x I)	11,073 kWh
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	11,589 kWh

Program Summary All Participants

Total Participants	J	338
Total Budget	K	**$436,733**
Gross kW Saved at Customer	(J x I)	1,242 kW
Net coincident kW Saved at Generator	**(I x D) / (1 - G) x J**	**655 kW**
Gross Annual kWh Saved at Customer	(B x E x I) x J	3,742,677 kWh
Net Annual kWh Saved at Generator	**((B x E x I) / (1 - F)) x J**	**3,917,198 kWh**
Societal Net Benefits	(J x I x H)	**$419,965**

Utility Program Cost per kWh Lifetime	**$0.0061**
Utility Program Cost per kW at Gen	**$667**

2018 SD DSM Plan Cost-Effectiveness Analysis

PORTFOLIO TOTAL **2018 ELECTRIC** **GOAL**

2018 Net Present Cost Benefit Summary Analysis For All Participants

	Participant Test ($Total)	Utility Test ($Total)	Rate Impact Test ($Total)	Total Resource Test ($Total)	Societal Test ($Total)
Benefits					
Avoided Revenue Requirements					
Generation	N/A	$862,637	$862,637	$862,637	$862,637
T & D	N/A	$524,825	$524,825	$524,825	$524,825
Marginal Energy	N/A	$1,800,623	$1,800,623	$1,800,623	$1,800,623
Environmental Externality	N/A	N/A	N/A	N/A	$0
Subtotal	N/A	$3,188,085	$3,188,085	$3,188,085	$3,188,085
Participant Benefits					
Bill Reduction - Electric	$5,143,968	N/A	N/A	N/A	N/A
Rebates from Xcel Energy	$377,063	N/A	N/A	$377,063	$377,063
Incremental Capital Savings	$0	N/A	N/A	$0	$0
Incremental O&M Savings	$0	N/A	N/A	$0	$0
Subtotal	$5,521,031	N/A	N/A	$377,063	$377,063
Total Benefits	$5,521,031	$3,188,085	$3,188,085	$3,565,148	$3,565,148
Costs					
Utility Project Costs					
Customer Services	N/A	$161,550	$161,550	$161,550	$161,550
Utility Administration	N/A	$117,950	$117,950	$117,950	$117,950
Advertising & Promotion	N/A	$117,845	$117,845	$117,845	$117,845
Measurement & Verification	N/A	$0	$0	$0	$0
Rebates	N/A	$377,063	$377,063	$377,063	$377,063
Other	N/A	$0	$0	$0	$0
Subtotal	N/A	$774,408	$774,408	$774,408	$774,408
Utility Revenue Reduction					
Revenue Reduction - Electric	N/A	N/A	$5,143,968	N/A	N/A
Subtotal	N/A	N/A	$5,143,968	N/A	N/A
Participant Costs					
Incremental Capital Costs	$1,829,505	N/A	N/A	$1,829,505	$1,829,505
Incremental O&M Costs	$77,266	N/A	N/A	$77,266	$77,266
Subtotal	$1,906,770	N/A	N/A	$1,906,770	$1,906,770
Total Costs	$1,906,770	$774,408	$5,918,376	$2,681,178	$2,681,178
Net Benefit (Cost)	$3,614,260	$2,413,677	($2,730,290)	$883,970	$883,970
Benefit/Cost Ratio	2 90	4 12	0 54	1 33	1 33

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	14.8 years
Annual Hours	B	8760
Gross Customer kW	C	1 kW
Generator Peak Coincidence Factor	D	28.82%
Gross Load Factor at Customer	E	13.35%
Transmission Loss Factor (Energy)	F	4.642%
Transmission Loss Factor (Demand)	G	8.174%
Societal Net Benefit (Cost)	H	$201

Program Summary per Participant

Gross kW Saved at Customer	I	0.06 kW
Net coincident kW Saved at Generator	(I x D) / (1 - G)	0.02 kW
Gross Annual kWh Saved at Customer	(B x E x I)	71 kWh
Net Annual kWh Saved at Generator	(B x E x I) / (1 - F)	75 kWh

Program Summary All Participants

Total Participants	J	72,333
Total Budget	K	**$774,408**
Gross kW Saved at Customer	(J x I)	4,403 kW
Net coincident kW Saved at Generator	**(I x D) / (1 - G) x J**	**1,382 kW**
Gross Annual kWh Saved at Customer	(B x E x I) x J	5,148,506 kWh
Net Annual kWh Saved at Generator	**((B x E x I) / (1 - F)) x J**	**5,399,136 kWh**
Societal Net Benefits	(J x I x H)	**$883,970**

Utility Program Cost per kWh Lifetime	**$0.0097**
Utility Program Cost per kW at Gen	**$560**