

For 2016 and 2017, SPS developed budgets to meet the energy and demand goals in a cost-effective manner, as prescribed by 16 TAC § 25.181. Details of these budgets, including the allocation of funds to specific programs, are given in Section IV.

SPS calculated the projected savings of its energy efficiency programs from these proposed budgets, using the cost per kW of demand reduction achieved in previous SPS programs and the budget allocation for each program. SPS then calculated the expected energy savings from the projected demand reductions using the average load factors from previous PYs (with adjustments for market conditions and other potential changes). Table 6 shows the projected demand and energy savings broken out by program.

Table 6: Projected Demand and Energy Savings Broken Out by Program for Each Customer Class (at Meter)

2016	Projected Savings	
	kW	kWh
Commercial	5,100	6,044,400
Commercial SOP	1,700	4,467,600
Small Commercial SOP	100	262,800
Recommissioning MTP	300	1,314,000
Load Management SOP	3,000	-
Residential	1,100	2,890,800
Residential SOP	1,100	2,890,800
Hard-to-Reach	900	2,365,200
Hard-to-Reach SOP	800	2,102,400
Low-Income Weatherization	100	262,800
Total Annual Projected Savings	7,100	11,300,400
2017	Projected Savings	
	kW	kWh
Commercial	5,000	7,252,800
Commercial SOP	700	2,452,800
Small Commercial SOP	-	-
Recommissioning MTP	600	4,000,000
Load Management SOP	3,500	-
Small Commercial MTP	200	800,000
Residential	1,125	3,439,880
Residential SOP	1,100	3,179,880
Home Lighting MTP	25	260,000
Hard-to-Reach	1,025	3,007,640
Hard-to-Reach SOP	800	2,312,640
Low-Income Weatherization	225	695,000
Total Annual Projected Savings	7,150	13,700,320

IV. Program Budgets

Table 7: Proposed Annual Budget Broken Out by Program for Each Customer Class

2016	Incentives	Admin	R&D	EM&V	Total Budget
Commercial	\$ 1,495,200	\$ 62,009	\$ -	\$ -	\$ 1,557,209
Commercial SOP	\$ 906,100	\$ 28,221	\$ -	\$ -	\$ 934,321
Small Commercial SOP	\$ 53,300	\$ 5,000	\$ -	\$ -	\$ 58,300
Recommissioning MTP	\$ 385,800	\$ 4,000	\$ -	\$ -	\$ 389,800
Load Management SOP	\$ 150,000	\$ 24,788	\$ -	\$ -	\$ 174,788
Small Commercial MTP	\$ -	\$ -	\$ -	\$ -	\$ -
Residential	\$ 632,500	\$ 21,538	\$ -	\$ -	\$ 654,038
Residential SOP	\$ 632,500	\$ 21,538	\$ -	\$ -	\$ 654,038
Home Lighting MTP	\$ -	\$ -	\$ -	\$ -	\$ -
Hard-to-Reach	\$ 875,000	\$ 53,894	\$ -	\$ -	\$ 928,894
Hard-to-Reach SOP	\$ 500,000	\$ 16,394	\$ -	\$ -	\$ 516,394
Low-Income Weatherization	\$ 375,000	\$ 37,500	\$ -	\$ -	\$ 412,500
Research & Development	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000
General Administration	\$ -	\$ 175,165	\$ -	\$ -	\$ 175,165
Evaluation, Measurement & Verification	\$ -	\$ -	\$ -	\$ 34,756	\$ 34,756
Rider Expenses	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 3,002,700	\$ 312,606	\$ 40,000	\$ 34,756	\$ 3,390,063
2017	Incentives	Admin	R&D	EM&V	Total Budget
Commercial	\$ 1,825,000	\$ 70,856	\$ -	\$ -	\$ 1,895,856
Commercial SOP	\$ 350,000	\$ 40,824	\$ -	\$ -	\$ 390,824
Small Commercial SOP	\$ -	\$ -	\$ -	\$ -	\$ -
Recommissioning MTP	\$ 900,000	\$ -	\$ -	\$ -	\$ 900,000
Load Management SOP	\$ 175,000	\$ 25,000	\$ -	\$ -	\$ 200,000
Small Commercial MTP	\$ 400,000	\$ 5,032	\$ -	\$ -	\$ 405,032
Residential	\$ 690,000	\$ 36,911	\$ -	\$ -	\$ 726,911
Residential SOP	\$ 640,000	\$ 31,911	\$ -	\$ -	\$ 671,911
Home Lighting MTP	\$ 50,000	\$ 5,000	\$ -	\$ -	\$ 55,000
Hard-to-Reach	\$ 1,020,000	\$ 17,459	\$ -	\$ -	\$ 1,037,459
Hard-to-Reach SOP	\$ 630,000	\$ 17,459	\$ -	\$ -	\$ 647,459
Low-Income Weatherization	\$ 390,000	\$ -	\$ -	\$ -	\$ 390,000
Research & Development	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000
General Administration	\$ -	\$ 185,000	\$ -	\$ -	\$ 185,000
Evaluation, Measurement & Verification	\$ -	\$ -	\$ -	\$ -	\$ -
Rider Expenses	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 3,535,000	\$ 310,226	\$ 40,000	\$ -	\$ 3,885,226

Energy Efficiency Report

V. Historical Demand Savings Goals and Energy Targets for Previous Five Years

Table 8 documents SPS's demand and energy reduction goals for the previous five years (2011-2015) calculated in accordance with 16 TAC § 25.181 and actual demand reduction and energy savings achieved.

Table 8: Historical Demand and Energy Savings Goals and Achievements (at the Meter)

Calendar Year	Adjusted Demand Goal (MW)	Adjusted Energy Goal (MWh)	Actual Demand Reduction (MW)	Actual Energy Savings (MWh)
2015	5.49	9,627	8.17	14,537
2014	5.39	9,449	5.02	11,900
2013	5.60	9,100	5.10	7,950
2012	4.70	8,249	5.33	9,077
2011	3.86	6,761	3.88	13,821
2010	3.86	6,761	3.67	15,699
2009	2.75	4,813	2.70	10,271

VI. Projected Versus Reported and Verified Demand and Energy Savings

This section documents SPS's projected savings and its reported and verified savings for PYs 2014 and 2015. Table 9 shows the savings for SOPs and the Low-Income Weatherization program. SPS's 2014 programs produced 5.02 MW demand savings or 93% of the statutory goal of 5.39 MW. SPS's 2015 programs produced 8.17 MW demand savings or 149% of the statutory goal of 5.495 MW.

Table 9: Projected versus Reported and Verified Savings for 2014 and 2015 (at Meter)

2014	Projected Savings		Verified Savings	
	MW	MWh	MW	MWh
Commercial	5.47	7,629	3.73	7,071
Commercial SOP	1.90	4,993	1.53	5,069
Small Commercial SOP	0.30	660	0.19	797
Retro-Commissioning MTP	0.26	1,976	0.22	1,195
Load Management SOP	3.00	-	1.79	9
Residential	1.04	1,813	0.74	2,979
Residential SOP	1.04	1,813	0.74	2,979
Hard-to-Reach	0.71	1,247	0.55	1,851
Hard-to-Reach SOP	0.59	1,037	0.45	1,517
Low-Income Weatherization	0.12	210	0.10	334
Total Annual Savings Goals	7.21	10,689	5.02	11,900
2015	Projected Savings		Verified Savings	
	MW	MWh	MW	MWh
Commercial	5.47	7,629	6.67	10,184
Commercial SOP	1.90	4,993	1.87	6,429
Small Commercial SOP	0.30	660	0.13	532
Retro-Commissioning MTP	0.26	1,976	0.42	3,188
Load Management SOP	3.00	-	4.25	34
Residential	1.04	1,813	0.83	2,387
Residential SOP	1.04	1,813	0.83	2,387
Hard-to-Reach	0.71	1,247	0.67	1,966
Hard-to-Reach SOP	0.59	1,037	0.44	1,272
Low-Income Weatherization	0.12	210	0.22	694
Total Annual Savings Goals	7.21	10,689	8.17	14,537

VII. Historical Program Expenditures

This section documents SPS's incentive and administrative expenditures for the previous five years (2011-2015) broken out by program for each customer class. Table 10 shows expenditures for SOPs, MTPs, and the Low-Income Weatherization Program.

Table 10: Historical Program Incentive and Administrative Expenditures for 2011 through 2015⁸

Program	2015		2014		2013		2012		2011	
	Incent. (000s)	Admin (000s)	Incent. (000s)	Admin (000s)	Incent. (000s)	Admin (000s)	Incent. (000s)	Admin (000s)	Incent. (000s)	Admin (000s)
Commercial	\$ 1,501	\$ 132	\$ 905	\$ 56	\$ 578	\$ 88	\$ 955	\$ 70	\$ 888	\$ 61
Large Commercial SOP	\$ 598	\$ 96	\$ 523	\$ 26	\$ 291	\$ 44	\$ 829	\$ 19	\$ 818	\$ 56
Small Commercial SOP	\$ 43	\$ 16	\$ 66	\$ 5	\$ 48	\$ 19	\$ 31	\$ 18	\$ 70	\$ 5
Retro-Commissioning MTP	\$ 647	\$ 2	\$ 227	\$ 1	\$ 124	\$ 4	NA	NA	NA	NA
Load Management SOP	\$ 213	\$ 17	\$ 89	\$ 25	\$ 115	\$ 21	\$ 95	\$ 33	\$ -	\$ -
Residential	\$ 556	\$ 42	\$ 531	\$ 19	\$ 584	\$ 34	\$ 288	\$ 12	\$ 366	\$ 25
Residential SOP	\$ 556	\$ 42	\$ 531	\$ 19	\$ 584	\$ 34	\$ 288	\$ 12	\$ 366	\$ 25
Statewide CFL MTP	NA	NA	NA	NA	NA	NA	N/A	NA	N/A	NA
Hard-to-Reach	\$ 710	\$ 76	\$ 618	\$ 41	\$ 615	\$ 64	\$ 495	\$ 32	\$ 538	\$ 36
Hard-to-Reach SOP	\$ 352	\$ 23	\$ 355	\$ 14	\$ 342	\$ 32	\$ 205	\$ 16	\$ 238	\$ 16
Low-Income Weatherization	\$ 358	\$ 54	\$ 263	\$ 28	\$ 273	\$ 32	\$ 290	\$ 16	\$ 300	\$ 20
Research & Development	\$ -	\$ 3	\$ -	\$ 30	\$ -	\$ 10	\$ -	\$ 35	\$ -	\$ -
General Administration	\$ -	\$ 62	\$ -	\$ 172	\$ -	\$ 134	\$ -	\$ 32	\$ -	\$ -
Evaluation, Measurement & Verification	\$ -	\$ 35	\$ -	\$ 60	\$ -	\$ 63	NA	NA	NA	NA
Rider Expenses	\$ -	\$ 109	\$ -	\$ 129	\$ -	\$ 79	NA	NA	NA	NA
Total Expenditures	\$ 2,767	\$ 459	\$ 2,054	\$ 506	\$ 1,777	\$ 472	\$ 1,738	\$ 181	\$ 1,792	\$ 122

⁸ 2014 expenditures from Project No. 44480; EEPR 2013 expenditures from Project No. 42264 EEPR; 2012 expenditures from Project No. 41196 EEPR; 2011 expenditures from Project No. 40194 EEPR.

VIII. Program Funding for Calendar Year 2015

As shown in Table 11, SPS spent a total of \$3,225,500⁹ on its energy efficiency programs in 2015, which is \$29,603 greater than SPS's 2015 approved budget of \$3,195,897.

Table 11: Program Funding for Calendar Year 2015

Customer Segment and Program	Total Projected Budget	Participants	Actual Funds Expended (Incentives)	Actual Funds Expended (Admin)	Total Funds Expended	Budget and Expenditure Variance
Commercial & Industrial	\$ 1,641,656	180	\$ 1,500,614	\$ 131,931	\$ 1,632,545	99%
Large Commercial SOP	\$ 988,737	110	\$ 597,672	\$ 95,739	\$ 693,411	70%
Small Commercial SOP	\$ 134,339	43	\$ 42,902	\$ 16,466	\$ 59,368	44%
Retro-Commissioning MTP	\$ 333,818	11	\$ 647,439	\$ 2,350	\$ 649,789	195%
Load Management SOP	\$ 184,762	16	\$ 212,600	\$ 17,377	\$ 229,977	124%
Residential	\$ 634,757	1,103	\$ 556,074	\$ 41,551	\$ 597,625	94%
Residential SOP	\$ 634,757	1,103	\$ 556,074	\$ 41,551	\$ 597,625	94%
Hard-to-Reach	\$ 763,542	812	\$ 710,074	\$ 76,110	\$ 786,183	103%
Hard-to-Reach SOP	\$ 408,199	583	\$ 351,612	\$ 22,575	\$ 374,187	92%
Low-Income Weatherization	\$ 355,343	229	\$ 358,462	\$ 53,535	\$ 411,997	116%
Research & Development	\$ 40,000		\$ -	\$ 3,026	\$ 3,026	8%
General Administration	\$ 56,400		\$ -	\$ 62,346	\$ 62,346	111%
Evaluation, Measurement & Verification	\$ 59,542		\$ -	\$ 34,756	\$ 34,756	58%
EECRF Rider Expenses	\$ -		\$ -	\$ 109,018	\$ 109,018	NA
Total	\$ 3,195,897	2,095	\$ 2,766,762	\$ 458,739	\$ 3,225,500	101%

Pursuant to 16 TAC § 25.181(n)(2)(Q), SPS is required to provide an explanation of annual program spending variance from budgets if the variance exceeds a positive or negative 10 percent. In 2015, five programs met this criterion: Large Commercial SOP, Small Commercial SOP, Load Management SOP, Retro-Commissioning MTP, and Low-Income Weatherization.

- The Large Commercial SOP was below spending primarily due to a shift in program spending to the Retro-Commissioning program to support capital projects identified through the Retro-Commissioning program.
- The Small Commercial SOP was again undersubscribed due to potential barriers such as capital constraints and a lack of dedicated personnel resources at customer's facilities. In 2017, SPS plans to offer a new market transformation program designed to help small commercial customers overcome these barriers.
- The Load Management SOP exceeded its budget as some participants provided a greater level of demand reduction than forecast.

⁹ This number includes SPS's direct program costs, as well as indirect programs costs including research and development, EM&V, and EECRF rate case expenses.

- Retro-Commissioning MTP was overspent as SPS shifted funding from other programs to this program to accommodate a number of capital projects identified through the operational studies identified in the program. By combining the projects, SPS is better able to maximize participant savings by combining the new capital measures with improved operational performance by the customer.
- For SPS's Low-Income Weatherization Program, 16 TAC § 25.181(r) requires that each unbundled transmission and distribution utility ensure that annual expenditures for the targeted low-income energy efficiency program are not less than 10% of the utility's energy efficiency budget for the PY. Although SPS is not unbundled, it operates with the intent of complying with this requirement. As depicted in Table 12, SPS exceeded this target in 2015 because it completed a number of large multi-family projects.
- SPS's administrative costs included but are not limited to employee labor and loading costs, employee travel expenses, the purchase of supplies, updating program databases, and legal costs. SPS monitors these costs on an ongoing basis and will make regular corrections to administrative spending, wherever possible, to ensure cost-effectiveness and regulatory compliance.
- Research and Development costs include those costs for conducting studies and analyses to identify new programs or measures to enhance the energy efficiency or load management offerings and meet future energy and demand goals.

Table 12: Expenditures for Targeted Low-Income Program

2015 Budget	Required Expenditures	Actual Expenditures	% of Budget
\$ 3,195,897	\$ 319,590	\$ 413,361	13%

As shown in Table 12, SPS spent approximately 13% of its 2015 approved portfolio budget on its targeted low-income energy efficiency program.

IX. Market Transformation Program Results

SPS launched its Commercial Retro-Commissioning MTP in April of 2013. In 2015, SPS completed eleven projects that resulted in a reduction of 420 kW and 3,188,423 kWh. SPS expects additional, similar projects to be completed in 2016.

X. 2015 Energy Efficiency Cost Recovery Factor (EECRF)

On November 24, 2014 in Docket No. 42454, the Commission approved SPS's 2015 EECRF to recover a total of \$2,394,815 in expenses associated with its 2015 energy efficiency programs, effective January 1, 2015.

Table 13: 2015 EECRF Rates

Rate Schedule	\$/kWh
Residential Service	\$0.000636
Small General Service	\$0.00036
Secondary General Service	\$0.000216
Primary General Service	\$0.000056
Small Municipal and School Service	\$0.000463
Large Municipal Service	\$0.000314
Large School Service	\$0.000971

XI. Revenue Collected through EECRF (2015)

SPS collected \$2,381,298 through its 2015 EECRF, which was effective January 1, 2015.

XII. Over/Under-recovery of Energy Efficiency Program Costs

SPS spent \$861,138 more than what was recovered by the EECRF as shown in Table 14 below.

Table 14: Over/Under Recovery¹⁰

EECRF Recoveries	\$ 2,381,299
Program Expenditures	\$ 3,133,419
2015 EECRF Rate Case Expenses	\$ 109,018
Net Over (Under) Recovery	\$ (861,138)

XIII. Performance Bonus Calculation

SPS achieved an 8,166 kW reduction in peak demand from its energy efficiency programs offered in 2015 along with 14,536,587 kWh in energy savings. SPS's demand reduction target for 2015 was 5,495 kW. This achievement represents 149% of SPS's 2015 goal, qualifying it for a Performance Bonus pursuant to 16 TAC § 25.181(h). SPS therefore is eligible for a Performance

¹⁰ Program expenditures in Table 14 do not match expenditures reported elsewhere in the EEPR due to the inclusion of PY 2014 and 2015 actual, allocated M&V costs and the removal of PY 2015 EM&V costs. The program expenditures reported in Table 14 correlate with the expenditures SPS was approved to recover in PY 2015 in Docket No. 42454. Totals may not tie due to rounding.

Bonus of \$804,512, which it will request in its May 1, 2016 EECRF filing for cost recovery in 2017. Table 15 summarizes SPS's Performance Bonus calculation.

Table 15: Performance Bonus Calculation

2015 Performance Bonus	kW	kWh
Demand and Energy Goals	5,495	9,627,240
Demand and Energy Savings		
<i>Reported/Verified Total (including HTR, measures with 10-yr EUL, and measures with EULs < or > 10 years), and excludes savings from L/I Weatherization Program</i>	8,166	14,536,587
<i>Reported/Verified Hard-To-Reach</i>	830	
Program Costs	\$3,225,501	
Performance Bonus	\$804,512	

Acronyms

C&I	Commercial and Industrial
CFL	Compact Fluorescent Light
EECRF	Energy Efficiency Cost Recovery Factor
EEP	Energy Efficiency Plan
EEPR	Energy Efficiency Plan and Report
EER	Energy Efficiency Report
EE Rule	Energy Efficiency Rule, PUCT Substantive Rules § 25.181 and § 25.183
EESP	Energy Efficiency Service Provider
HTR	Hard-to-Reach
IPMVP	International Performance Measurement and Verification Protocol
kW	kilowatt
kWh	kilowatt hour
LED	Light Emitting Diode
M&V	Measurement and Verification
MTP	Market Transformation Program
PUCT	Public Utility Commission of Texas
PURA	Public Utility Regulatory Act
PY	Program Year
SOP	Standard Offer Program
SPS	Southwestern Public Service Company

Appendix

APPENDIX A: REPORTED DEMAND AND ENERGY REDUCTION BY COUNTY 2015

Large Commercial SOP			
County	# of Premises	kW	kWh
Carson	4	39	187,340
Dallam	1	1	11,138
Gray	9	82	435,298
Hale	3	42	263,927
Hockley	2	28	187,695
Hutchinson	3	221	481,528
Moore	8	97	473,574
Ochiltree	1	27	193,503
Potter	18	1,072	2,720,775
Randall	18	255	1,492,272
Wheeler	1	4	22,207
Total	68	1,868	6,469,256

Small Commercial SOP			
County	# of Premises	kW	kWh
Carson	1	1	8,120
Castro	1	3	18,517
Gray	1	5	17,629
Hockley	1	5	44,453
Hutchinson	5	12	53,928
Potter	8	74	248,452
Randall	3	26	106,186
Sherman	1	9	39,862
Total	21	135	537,148

Load Management SOP			
County	# of Premises	kW	kWh
Hartley	2	635	5,076
Moore	2	1,707	13,656
Parmer	1	582	4,656
Potter	8	798	6,380
Randall	2	419	3,352
Yoakum	1	111	884
Total	16	4,252	34,004

Recommissioning MTP			
County	# of Premises	kW	kWh
Potter	10	176	1,263,687
Randall	1	244	1,924,737
Total	11	420	3,188,423

Residential SOP			
County	# of Premises	kW	kWh
Armstrong	2	7	19,823
Bailey	2	7	24,187
Castro	4	12	30,690
Deaf Smith	62	83	424,119
Gray	22	18	48,730
Hale	45	106	310,579
Hansford	4	5	14,062
Hutchinson	40	20	63,052
Lamb	4	12	31,676
Moore	49	64	262,457
Ochiltree	37	19	16,499
Oldham	4	4	12,203
Parmer	3	2	18,277
Potter	186	221	437,597
Randall	315	247	658,177
Sherman	1	3	13,048
Swisher	1	1	1,521
Total	781	830	2,386,697

Hard-to-Reach SOP			
County	# of Premises	kW	kWh
Bailey	3	3	23,067
Carson	1	0	3,217
Castro	3	10	22,836
Deaf Smith	40	54	234,536
Floyd	1	2	1,465
Gray	22	19	69,394
Hale	23	58	151,495
Hutchinson	49	29	113,618
Lamb	4	10	20,860
Moore	20	49	196,413
Ochiltree	24	19	15,872
Parmer	6	18	53,329
Potter	87	143	313,063
Randall	27	29	52,440
Total	310	444	1,271,605

Low Income Weatherization			
County	# of Premises	kW	kWh
Carson	1	2	3,152
Deaf Smith	32	95	296,253
Potter	22	16	42,778
Randall	58	113	352,221
Total	113	225	694,404

Southwestern Public Service Company

Costs per kW and kWh for Years 2013-2016

Customer Class	2014 (Actual)		2015 (Actual)		2016 (Projected)		2017 (Projected)	
	\$/kW	\$/kWh	\$/kW	\$/kWh	\$/kW	\$/kWh	\$/kW	\$/kWh
Commercial	\$258	\$0.13	\$245	\$0.16	\$305	\$0.26	\$379	\$0.26
Residential	\$744	\$0.18	\$720	\$0.25	\$595	\$0.23	\$646	\$0.21
Hard-to-Reach	\$1,196	\$0.36	\$1,177	\$0.40	\$1,032	\$0.39	\$1,012	\$0.34
Totals	\$485	\$0.20	\$395	\$0.22	\$477	\$0.30	\$543	\$0.28

Southwestern Public Service Company

Costs per kW and kWh for Years 2013-2016

2017 Projected Savings					
	kW	kWh			
Commercial	5000	7252800			
Commercial	700	2452800			
Small Comm	0	0			
Retro-Comm	600	4000000			
Load Manag	3500	0			
Small Comm	200	800000			
Residential	1125	3439880			
Residential	1100	3179880			
Home Light	25	260000			
Hard-to-Rea	1025	3007640			
Hard-to-Rea	800	2312640			
Low-Income	225	695000			
Total Annual	7150	13700320			
2017 Incentives		Admin	R&D	EM&V	Total Budget
Commercial	1825000	70855.98		0	0 1895856
Commercial	350000	40824.22		0	0 390824.22
Small Comm	0	0		0	0 0
Retro-Comm	900000	0		0	0 900000
Load Manag	175000	25000		0	0 200000
Small Comm	400000	5031.76		0	0 405031.76
Residential	690000	36911.05		0	0 726911.05
Residential	640000	31911.05		0	0 671911.05
Home Light	50000	5000		0	0 55000
Hard-to-Rea	1020000	17458.64		0	0 1037458.6
Hard-to-Rea	630000	17458.64		0	0 647458.64
Low-Income	390000	0		0	0 390000
Research &	0	0	40000	0	0 40000
General Adr	0	185000		0	0 185000
Evaluation,	0	0		0	0 0
Rider Expen	0	0		0	0 0
Total Expen	3535000	310225.67	40000		0 3885225.7

Southwestern Public Service Company

Costs per kW and kWh for Years 2013-2016

Line No		2016 Projected Savings							
		kW	kWh						
1	Commercial	5100	6,044,400						
2	Commercial SOP	1700	4,467,600						
3	Small Commercial SOP	100	262,800						
4	Recommissioning MTP	300	1,314,000						
5	Load Management SOP	3000	-						
6	Residential	1100	2,890,800						
7	Residential SOP	1100	2,890,800						
8	Hard-to-Reach	900	2,365,200						
9	Hard-to-Reach SOP	800	2,102,400						
10	Low-Income Weatherization	100	262,800						
11	Total Annual Projected Savings	7100	11,300,400						
12		2016 Incentives	Admin	R&D	EM&V	Total Budget			
13	Commercial	\$ 1,495,200	\$ 62,009	\$ -	\$ -	\$ 1,557,209			
14	Commercial SOP	\$ 906,100	\$ 28,221	\$ -	\$ -	\$ 934,321			
15	Small Commercial SOP	\$ 53,300	\$ 5,000	\$ -	\$ -	\$ 58,300			
16	Recommissioning MTP	\$ 385,800	\$ 4,000	\$ -	\$ -	\$ 389,800			
17	Load Management SOP	\$ 150,000	\$ 24,788	\$ -	\$ -	\$ 174,788			
18	Residential	\$ 632,500	\$ 21,538	\$ -	\$ -	\$ 654,038			
19	Residential SOP	\$ 632,500	\$ 21,538	\$ -	\$ -	\$ 654,038			
20	Hard-to-Reach	\$ 875,000	\$ 53,894	\$ -	\$ -	\$ 928,894			
21	Hard-to-Reach SOP	\$ 500,000	\$ 16,394	\$ -	\$ -	\$ 516,394			
22	Low-Income Weatherization	\$ 375,000	\$ 37,500	\$ -	\$ -	\$ 412,500			
23	Research & Development	\$ -	\$ -	\$ 40,000	\$ -	\$ 40,000			
24	General Administration	\$ -	\$ 175,165	\$ -	\$ -	\$ 175,165			
25	Evaluation, Measurement & Verification	\$ -	\$ -	\$ -	\$ 34,756	\$ 34,756			
26	Rider Expenses	\$ -	\$ -	\$ -	\$ -	\$ -			
27	Total Expenditures	\$ 3,002,700	\$ 312,606	\$ 40,000	\$ 34,756	\$ 3,390,063			

Southwestern Public Service Company

Costs per kW and kWh for Years 2013-2016

	2015 Projected Savings		Verified Savings		MWh
	MW	MWh	MW	MWh	
Commercial	5.465	7629.376	6.6739663	6673.9663	10183.88
Commercial SOP	1.9	4993.2	1.867724	1867.724	6429.4439
Small Commercial SOP	0.301	659.92	0.1340635	134.06351	532.00909
Retro-Commissioning MTP	0.264	1976.256	0.4201788	420.1788	3188.4234
Load Management SOP	3	0	4.252	4252	34.004
Residential	1.035	1812.524	0.829547	829.547	2386.697
Residential SOP	1.035	1812.524	0.829547	829.547	2386.697
Hard-to-Reach	0.712	1246.84	0.6681085	668.10847	1966.0022
Hard-to-Reach SOP	0.592	1036.6	0.443507	443.507	1271.606
Low-Income Weatherization	0.12	210.24	0.2246015	224.60147	694.39623
Total Annual Savings Goals	7.212	10688.74	8.1716218	8171.6218	14536.58
					14536580
Customer Segment and Program	Actual Fund Actual Fund Total Funds Expended				
Commercial & Industrial	1500614	131931.34	1632545.4		
Large Commercial SOP	597672.43	95738.8	693411.23		
Small Commercial SOP	42902.39	16465.93	59368.32		
Retro-Commissioning MTP	647439.21	2350.02	649789.23		
Load Management SOP	212600	17376.59	229976.59		
Residential	556073.94	41551.11	597625.05		
Residential SOP	556073.94	41551.11	597625.05		
Hard-to-Reach	710073.93	76109.56	786183.49		
Hard-to-Reach SOP	351612.42	22574.52	374186.94		
Low-Income Weatherization	358461.51	53535.04	411996.55		
Research & Development	0	3026.05	3026.05		
General Administration	0	62346.08	62346.08		
Evaluation, Measurement & Verification	0	34756.421	34756		
EECRF Rider Expenses	0	109100.59	109100.59		
Total	2766761.9	458821.15	3225582.6		

Southwestern Public Service Company

Costs per kW and kWh for Years 2013-2016

2014		Projected Savings	
Customer Class and Program		kW	kWh
Commercial		3,719	7,132,519
	Commercial SOP	1,534	5,068,854
	Small Commercial SOP	188	797,420
	Recommissioning MTP	216	1,195,499
	Load Management SOP	1,789	9,071
Residential		740	2,978,606
	Residential SOP	740	2,978,606
Hard-to-Reach		551,3603	1,850,679
	Hard-to-Reach SOP	447	1,516,815
Low-Income Weatherization		104	333,864
Total Annual Projected Savings		5,010	11,961,804

Customer Segment and Program	Actual Funds Expended (Incentives)	Actual Funds Expended (Admin)	Total Funds Expended
Commercial & Industrial	\$ 904,603.51	\$ 55,587.84	\$ 960,191.35
Large Commercial SOP	\$ 522,510.95	\$ 25,655.80	\$ 548,166.75
Small Commercial SOP	\$ 65,898.41	\$ 4,568.49	\$ 70,466.90
Retro-Commissioning MTP	\$ 226,744.15	\$ 575.76	\$ 227,319.91
Load Management SOP	\$ 89,450.00	\$ 24,787.79	\$ 114,237.79
Residential	\$ 531,444.54	\$ 19,403.28	\$ 550,847.82
Residential SOP	\$ 531,444.54	\$ 19,403.28	\$ 550,847.82
Hard-to-Reach	\$ 618,150.54	\$ 41,274.33	\$ 659,424.87
Hard-to-Reach SOP	\$ 354,840.48	\$ 13,661.95	\$ 368,502.43
Low-Income Weatherization	\$ 263,310.06	\$ 27,612.38	\$ 290,922.44
Research & Development	\$ -	\$ 29,913.86	\$ 29,913.86
General Administration	\$ -	\$ 172,063.19	\$ 172,063.19
Evaluation, Measurement & Verification	\$ -	\$ 59,542.00	\$ 59,542.00
EECRF Rider Expenses	\$ -	\$ 128,663.47	\$ 128,663.47
Total Expenditures	\$ 2,054,198.59	\$ 377,784.50	\$ 2,431,983.09

Attachment JDS-3

Pages 1 through 2

Are

Confidential Protected Information

**CONFIDENTIAL PROTECTED MATERIALS
PROVIDED PURSUANT TO PROTECTIVE ORDER**

Southwestern Public Service Company

Master Estimated Useful Life Spreadsheet through TRM 3.1

Sector	TRM Section/End Use	TRM Measure #	Energy Efficiency Measure	EUL (years)	TRM Version
Custom	Custom	NA	Custom	NA	NA
Residential	Lighting	2.1.1	Res Compact Fluorescent Lamps	5.3	1.0
Residential	HVAC	2.2.1	Res Duct Efficiency Improvement	18	1.0
Residential	HVAC	2.2.2	Res Central Air Conditioner	15	1.0
Residential	HVAC	2.2.3	Res Ground Source Heat Pump	15	1.0
Residential	HVAC	2.2.4	Res Central Heat Pump	15	1.0
Residential	HVAC	2.2.5	Res Split System and Single-Package Heat Pumps (65,000-240,000)	15	1.0
Residential	HVAC	2.2.6	Res Split System and Single-Package Air Conditioners (65,000-240,000)	15	1.0
Residential	HVAC	2.2.7	Res Window Air Conditioner	13	1.0
Residential	Building Envelope	2.3.1	Res Air Infiltration	11	1.0
Residential	Building Envelope	2.3.2	Res Ceiling Insulation	25	1.0
Residential	Building Envelope	2.3.3	Res Wall Insulation	25	1.0
Residential	Building Envelope	2.3.4	Res Floor Insulation	25	1.0
Residential	Building Envelope	2.3.5	Res Energy Star Windows	25	1.0
Residential	Building Envelope	2.3.6	Res Solar Screens	10	1.0
Residential	Water Heating	2.4.1	Res Faucet Aerators	10	1.0
Residential	Water Heating	2.4.2	Res Low-Flow Showerheads	10	1.0
Residential	Water Heating	2.4.3	Res Water Heater Pipe Insulation	13	1.0
Residential	Water Heating	2.4.4	Res Water Heater Tank Insulation	7	1.0
Residential	Water Heating	2.4.5	Res Water Heater Replacement- High Efficiency and Fuel Substitution	13	1.0
Residential	Water Heating	2.4.6	Res Heat Pump Water Heater	13	1.0
Residential	Water Heating	2.4.7	Res Water Heater Replacement- Solar Water Heating	15	1.0
Residential	Appliances	2.5.1	Res Energy Star Ceiling Fans	10	1.0
Residential	Appliances	2.5.2	Res Energy Star Clothes Washers	11	1.0
Residential	Appliances	2.5.3	Res Energy Star Dishwashers	11	1.0
Residential	Appliances	2.5.4	Res Energy Star Refrigerator	14	1.0
Residential	Whole House	2.6.1	Res New Homes	23	1.0
Residential	Renewable Energy Systems	2.7.1	Res Solar Photovoltaic (PV)	30	1.0
Residential	Load Management	2.8.1	Res Direct Load Control Switches Installed on Outdoor Compressor Units	1	1.0
Residential	Load Management	2.8.2	Res Direct Load Control Switches Installed on Swimming Pool Pump Motors	1	1.0
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integrated-ballast CFL Lamps	2.5	1.0
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integrated-ballast LED Lamps	9	1.0
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Light Emitting Diode	15	1.0
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Modular CFL and CCFL Fixtures	16	1.0
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: T8 and T5 Linear Fluorescents	15.5	1.0
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: T8 and T5 Linear Fluorescents replacing T12s with magnetic ballasts	8.5	1.0
Commercial	Lighting	2.1.2	Comm Lighting Controls: Occupancy Sensor	10	1.0
Commercial	Lighting	2.1.2	Comm Lighting Controls: Photocell (Daylight Control)	10	1.0
Commercial	HVAC	2.2.1	Comm Split System/Single Packaged Heat Pumps and Air Conditioners	15	1.0

Southwestern Public Service Company

Master Estimated Useful Life Spreadsheet through TRM 3.1

Sector	TRM Section/End Use	TRM Measure #	Energy Efficiency Measure	EUL (years)	TRM Version
Commercial	HVAC	2.2.2	Comm HVAC Chillers: Screw/Scroll/Reciprocating Chillers	20	1.0
Commercial	HVAC	2.2.2	Comm HVAC Chillers: Centrifugal Chillers	25	1.0
Commercial	HVAC	2.2.3	Comm Packaged terminal Air Conditioners, Heat Pumps, and Room Air Conditioners	13	1.0
Commercial	HVAC	2.2.4	Comm HVAC VFD on AHU Supply Fans	15	1.0
Commercial	Building Envelope	2.3.1	Comm Energy Star Roofs	15	1.0
Commercial	Building Envelope	2.3.2	Comm Window Film	10	1.0
Commercial	Food Service Equipment	2.4.1	Comm High Efficiency Combination Ovens	12	1.0
Commercial	Food Service Equipment	2.4.2	Comm High Efficiency Electric Convention Ovens	12	1.0
Commercial	Food Service Equipment	2.4.3	Comm Energy Star Commercial Dishwashers	11	1.0
Commercial	Food Service Equipment	2.4.4	Comm Hot Food Holding Cabinets	12	1.0
Commercial	Food Service Equipment	2.4.5	CommEnergy Star Electric Fryers	12	1.0
Commercial	Food Service Equipment	2.4.6	Comm Pre-Rinse Spray Valves	5	1.0
Commercial	Food Service Equipment	2.4.7	Comm Energy Star Electric Steam Cookers	10	1.0
Commercial	Refrigeration	2.5.1	Comm Door Heater Controls	12	1.0
Commercial	Refrigeration	2.5.2	Comm ECM Evaporator Fan Motor	15	1.0
Commercial	Refrigeration	2.5.3	Comm Electric Defrost Controls	10	1.0
Commercial	Refrigeration	2.5.4	Comm Evaporator Fan Controls	16	1.0
Commercial	Refrigeration	2.5.5	Comm Night Covers for Open Refrigerated Display Cases	5	1.0
Commercial	Refrigeration	2.5.6	Comm Solid Glass Door Reach-Ins	12	1.0
Commercial	Refrigeration	2.5.7	Comm Strip Curtains for Walk-In Refrigerated Storage	4	1.0
Commercial	Refrigeration	2.5.8	Comm Zero Energy Doors for Refrigerated Cases	12	1.0
Commercial	Miscellaneous	2.6.1	Comm Vending Machine Controls	5	1.0
Commercial	Renewables	2.7.1	Comm Solar Photovoltaic (PV)	30	1.0
Commercial	Load Management	2.8.1	Comm Load Curtailment Measure	1	1.0

Master Estimated Useful Life Spreadsheet through TRM 3.1

Sector	TRM Section/End Use	TRM Measure #	Energy Efficiency Measure	EUL (years)	TRM Version
Custom	Custom	NA	Custom	NA	NA
Residential	Lighting	2.1.1	Res Compact Fluorescent Lamps	7.7	2.1
Residential	HVAC	2.2.1	Res Duct Efficiency Improvement	18	2.1
Residential	HVAC	2.2.2	Res Central AC	19	2.1
Residential	HVAC	2.2.3	Res Ground Source Heat Pump	20	2.1
Residential	HVAC	2.2.4	Res Central Heat Pump	16	2.1
Residential	HVAC	2.2.5	Res Window Air Conditioner	11	2.1
Residential	Building Envelope	2.3.1	Res Air Infiltration	11	2.1
Residential	Building Envelope	2.3.2	Res Ceiling Insulation	25	2.1
Residential	Building Envelope	2.3.3	Res Wall Insulation	25	2.1
Residential	Building Envelope	2.3.4	Res Floor Insulation	25	2.1
Residential	Building Envelope	2.3.5	Res Energy Star Windows	25	2.1
Residential	Building Envelope	2.3.6	Res Solar Screens	25	2.1
Residential	Water Heating	2.4.1	Res Faucet Aerators	10	2.1
Residential	Water Heating	2.4.2	Res Low-Flow Showerheads	10	2.1
Residential	Water Heating	2.4.3	Res Water Heater Pipe Insulation	10	2.1
Residential	Water Heating	2.4.4	Res Water Heater Tank Insulation	13	2.1
Residential	Water Heating	2.4.5	Res Water Heater Installation-Electric Tankless and Fuel Substitution	7	2.1
Residential	Water Heating	2.4.6	Res Heat Pump Water Heater	20	2.1
Residential	Water Heating	2.4.7	Res Water Heater Replacement-Solar Water Heating	13	2.1
Residential	Appliances	2.5.1	Res Energy Star Ceiling Fans	15	2.1
Residential	Appliances	2.5.2	Res Energy Star Clothes Washer	10	2.1
Residential	Appliances	2.5.3	Res Energy Star Dishwashers	14	2.1
Residential	Appliances	2.5.4	Res Energy Star Refrigerators	15	2.1
Residential	Whole House	2.6.1	Res New Homes	17	2.1
Residential	Renewable Energy	2.7.1	Res Solar Photovoltaic (PV)	23	2.1
Residential	Load Management	2.8.1	Res Direct Load Control of Outdoor Compressor Units	30	2.1
Residential	Load Management	2.8.2	Res Direct Load Control of Swimming Pool Pump Motors	1	2.1
Residential	Appliance Recycling	2.9.1	Res Refrigerator/Freezer Recycling	1	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Halogen Lamps	8	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: High Intensity Discharge Lamps	1.5	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integrated-ballast CCFL Lamps	15.5	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integrated-ballast CFL Lamps	4.5	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integral LED Lamps	2.5	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Light Emitting Diode	9	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Modular CFL and CCFL Fixtures	15	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: T8 and T5 Linear Fluorescents	16	2.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: LEDs or T8 and T5 Linear Fluorescents replacing T12s with magnetic ballasts	15.5	2.1
Commercial	Lighting	2.1.1	Comm Lighting Controls: Occupancy Sensor	8.5	2.1
Commercial	Lighting	2.1.2		10	2.1

Southwestern Public Service Company

Master Estimated Useful Life Spreadsheet through TRM 3.1

Sector	TRM Section/End Use	TRM Measure #	Energy Efficiency Measure	EUL (years)	TRM Version
Commercial	Lighting	2.1.2	Comm Lighting Controls: Photocell (Daylighting Control)	10	2.1
Commercial	Lighting	2.1.2	Comm Lighting Controls: Timedlock	10	2.1
Commercial	HVAC	2.2.1	Comm Split System/Single Packaged Heat Pumps and Air Conditioners	15	2.1
Commercial	HVAC	2.2.2	Comm HVAC Chillers: Screw / Scroll / Reciprocating Chillers	20	2.1
Commercial	HVAC	2.2.2	Comm HVAC Chillers: Centrifugal Chillers	25	2.1
Commercial	HVAC	2.2.3	Comm Packaged Terminal Air Conditioners, Heat Pumps	15	2.1
Commercial	HVAC	2.2.3	Comm Room Air Conditioners	11	2.1
Commercial	HVAC	2.2.4	Comm HVAC VFD on AHU Supply Fans	15	2.1
Commercial	Building Envelope	2.3.1	Comm Energy Star Roofs	15	2.1
Commercial	Building Envelope	2.3.2	Comm Window Film	10	2.1
Commercial	Food Service	2.4.1	Comm High Efficiency Combination Ovens	12	2.1
Commercial	Food Service	2.4.2	Comm High Efficiency Electric Convention Ovens	12	2.1
Commercial	Food Service	2.4.3	Comm Energy Star Commercial Dishwashers	11	2.1
Commercial	Food Service	2.4.4	Comm Hot Food Holding Cabinets	12	2.1
Commercial	Food Service	2.4.5	Comm Energy Star Electric Fryers	12	2.1
Commercial	Food Service	2.4.6	Comm Pre-Rinse Spray Valves	5	2.1
Commercial	Food Service	2.4.7	Comm Energy Star Electric Steam Cookers	12	2.1
Commercial	Refrigeration	2.5.1	Comm Door Heater Controls	12	2.1
Commercial	Refrigeration	2.5.2	Comm ECM Evaporator Fan Motor	15	2.1
Commercial	Refrigeration	2.5.3	Comm Electronic Defrost Controls	10	2.1
Commercial	Refrigeration	2.5.4	Comm Evaporator Fan Controls	16	2.1
Commercial	Refrigeration	2.5.5	Comm Night Covers for Open Refrigerated Display Cases	5	2.1
Commercial	Refrigeration	2.5.6	Comm Solid and Glass Door Reach-Ins	12	2.1
Commercial	Refrigeration	2.5.7	Comm Strip Curtains for Walk-In Refrigerated Storage	4	2.1
Commercial	Refrigeration	2.5.8	Comm Zero Energy Doors for Refrigerated Cases	12	2.1
Commercial	Miscellaneous	2.6.1	Comm Vending Machine Controls	5	2.1
Commercial	Miscellaneous	2.6.2	Comm Lodging Guest Room Occupancy Sensor Controls	10	2.1
Commercial	Miscellaneous	2.6.3	Comm Pump-Off Controller	15	2.1
Commercial	Renewables	2.7.1	Comm Solar Photovoltaic (PV)	30	2.1
Commercial	Load Management	2.8.1	Comm Load Curtailment	1	2.1

Sector	TRM Section/End Use	TRM Measure #	Energy Efficiency Measure	EUL (years)	TRM Version
Custom	Custom	NA	Custom	NA	NA
Residential	Lighting	2.1.1	Res Standard Compact Fluorescent Lamps (10,000 to 11,000 hour Rated Measure Life)	11	3.1
Residential	Lighting	2.1.1	Res Standard Compact Fluorescent Lamps (11,001 to 13,500 hour Rated Measure Life)	13	3.1
Residential	Lighting	2.1.1	Res Standard Compact Fluorescent Lamps (13,501 to 17,500 hour Rated Measure Life)	16	3.1
Residential	Lighting	2.1.1	Res Standard Compact Fluorescent Lamps (≥ 17,501 hour Rated Measure Life)	20	3.1
Residential	Lighting	2.1.2	Res Specialty Compact Fluorescent Lamps (10,000 to 11,000 hour Rated Measure Life)	11	3.1
Residential	Lighting	2.1.2	Res Specialty Compact Fluorescent Lamps (11,001 to 13,500 hour Rated Measure Life)	13	3.1
Residential	Lighting	2.1.2	Res Specialty Compact Fluorescent Lamps (13,501 to 17,500 hour Rated Measure Life)	16	3.1
Residential	Lighting	2.1.3	Res Specialty Compact Fluorescent Lamps (≥ 17,501 hour Rated Measure Life)	20	3.1
Residential	Lighting	2.1.4	Res Energy Star Omni-Directional LED Lamps	20	3.1
Residential	Lighting	2.1.4	Res Energy Star Specialty and Directional LED Lamps	20	3.1
Residential	HVAC	2.2.1	Res Duct Efficiency Improvement	18	3.1
Residential	HVAC	2.2.2	Res Central AC	18	3.1
Residential	HVAC	2.2.3	Res Ground Source Heat Pump	20	3.1
Residential	HVAC	2.2.4	Res Central Heat Pump	15	3.1
Residential	HVAC	2.2.5	Res Room (Window) Air Conditioner	8	3.1
Residential	Building Envelope	2.3.1	Res Air Infiltration	11	3.1
Residential	Building Envelope	2.3.2	Res Ceiling Insulation	25	3.1
Residential	Building Envelope	2.3.3	Res Wall Insulation	25	3.1
Residential	Building Envelope	2.3.4	Res Floor Insulation	25	3.1
Residential	Building Envelope	2.3.5	Res Energy Star Windows	25	3.1
Residential	Building Envelope	2.3.6	Res Solar Screens	10	3.1
Residential	Water Heating	2.4.1	Res Faucet Aerators	10	3.1
Residential	Water Heating	2.4.2	Res Low-Flow Showerheads	10	3.1
Residential	Water Heating	2.4.3	Res Water Heater Pipe Insulation	10	3.1
Residential	Water Heating	2.4.4	Res Water Heater Tank Insulation	13	3.1
Residential	Water Heating	2.4.5	Res Water Heater Installation-Electric Tankless	7	3.1
Residential	Water Heating	2.4.6	Res Water Heater Installation-Fuel Substitution	20	3.1
Residential	Water Heating	2.4.7	Res Heat Pump Water Heater	11	3.1
Residential	Water Heating	2.5.1	Res Water Heater Replacement-Solar Water Heating	13	3.1
Residential	Appliances	2.5.2	Res Energy Star Ceiling Fans	15	3.1
Residential	Appliances	2.5.3	Res Energy Star Clothes Washer	10	3.1
Residential	Appliances	2.5.4	Res Energy Star Dishwashers	11	3.1
Residential	Appliances	2.5.4	Res Energy Star Refrigerators	15	3.1
Residential	Renewable Energy	2.6.1	Res Solar Photovoltaic (PV)	16	3.1
Residential	Load Management	2.7.1	Res Direct Load Control of Outdoor Compressor Units	30	3.1
Residential	Load Management	2.7.2	Res Direct Load Control of Swimming Pool Pump Motors	1	3.1
Residential	Appliance Recycling	2.8.1	Res Refrigerator/Freezer Recycling	1	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Halogen Lamps	8	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: High Intensity Discharge Lamps	15.5	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integrated-ballast CCFL Lamps	4.5	3.1

Sector	TRM Section/End Use	TRM Measure #	Energy Efficiency Measure	EUL (years)	TRM Version
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integrated-ballast CFL Lamps	2.5	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Integral LED Lamps	9	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Light Emitting Diode	15	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: Modular CFL and CCFL Fixtures	16	3.1
Commercial	Lighting	2.1.1	Comm Lamps and Fixtures: T8 and T5 Linear Fluorescents	15.5	3.1
Commercial	Lighting	2.1.2	Comm Lighting Controls: Occupancy Sensor	10	3.1
Commercial	Lighting	2.1.2	Comm Lighting Controls: Photocell (Daylighting Control)	10	3.1
Commercial	Lighting	2.1.2	Comm Lighting Controls: Timeclock	10	3.1
Commercial	Lighting	2.1.2	Comm Lighting Controls: Tuning Control	10	3.1
Commercial	HVAC	2.2.1	Comm Split System/Single Packaged Heat Pumps and Air Conditioners	15	3.1
Commercial	HVAC	2.2.2	Comm HVAC Chillers: Screw / Scroll / Reciprocating Chillers	20	3.1
Commercial	HVAC	2.2.2	Comm HVAC Chillers: Centrifugal Chillers	25	3.1
Commercial	HVAC	2.2.3	Comm Packaged Terminal Air Conditioners: Heat Pumps	15	3.1
Commercial	HVAC	2.2.3	Comm Room Air Conditioners	11	3.1
Commercial	HVAC	2.2.4	Comm HVAC VFD on AHU Supply Fans	15	3.1
Commercial	Building Envelope	2.3.1	Comm Energy Star Roofs	15	3.1
Commercial	Building Envelope	2.3.2	Comm Window Film	10	3.1
Commercial	Food Service	2.4.1	Comm High Efficiency Combination Ovens	12	3.1
Commercial	Food Service	2.4.2	Comm High Efficiency Electric Convection Ovens	12	3.1
Commercial	Food Service	2.4.3	Comm Energy Star Commercial Dishwashers	11	3.1
Commercial	Food Service	2.4.4	Comm Hot Food Holding Cabinets	12	3.1
Commercial	Food Service	2.4.5	Comm Energy Star Electric Fryers	12	3.1
Commercial	Food Service	2.4.6	Comm Pre-Rinse Spray Valves	5	3.1
Commercial	Food Service	2.4.7	Comm Energy Star Electric Steam Cookers	12	3.1
Commercial	Refrigeration	2.5.1	Comm Door Heater Controls	12	3.1
Commercial	Refrigeration	2.5.2	Comm ECM Evaporator Fan Motor	15	3.1
Commercial	Refrigeration	2.5.3	Comm Electronic Defrost Controls	10	3.1
Commercial	Refrigeration	2.5.4	Comm Evaporator Fan Controls	16	3.1
Commercial	Refrigeration	2.5.5	Comm Night Covers for Open Refrigerated Display Cases	5	3.1
Commercial	Refrigeration	2.5.6	Comm Solid and Glass Door Reach-Ins	12	3.1
Commercial	Refrigeration	2.5.7	Comm Strip Curtains for Walk-In Refrigerated Storage	4	3.1
Commercial	Refrigeration	2.5.8	Comm Zero Energy Doors for Refrigerated Cases	12	3.1
Commercial	Miscellaneous	2.6.1	Comm Vending Machine Controls	5	3.1
Commercial	Miscellaneous	2.6.2	Comm Lodging Guest Room Occupancy Sensor Controls	10	3.1
Commercial	Miscellaneous	2.6.3	Comm Pump-Off Controller	15	3.1
Commercial	Renewables	2.7.1	Comm Solar Photovoltaic (PV)	30	3.1