



Southwest Utility
ENERGY EFFICIENCY WORKSHOP
NOVEMBER 15-16, 2016 LAS VEGAS, NV

Utility DSM Program Data

2016 and 2017

- Arizona Public Service*
- Black Hills Energy*
- New Mexico Gas Company*
- NV Energy*
- PNM*
- Questar Gas Company*
- Rocky Mountain Power*
- Salt River Project*
- Southwest Gas Company*
- Tucson Electric Power*
- UNSE*
- Xcel Energy*

Arizona Public Service

Preliminary 2016 EE Program Estimates (Estimated YE results as of October 2016)

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Consumer Products	8,800,000	118,000	13.5
Existing Homes HVAC	8,200,000	19,500	10.2
Home Performance	2,300,000	6000	5.1
New Homes	5,680,000	10,000	5.5
Limited Income	2,476,000	1500	0.2
Home Energy Reports	1,640,000	62,000	6.5
Multi-Family	2,009,000	9000	1.4
Pre-Pay	70,000	1000	0.5
Total Residential	31,175,000	227,000	42.9
Commercial			
Large Existing Facilities	19,950,000	168,000	26.7
New Construction	2,756,000	24,000	5.6
Small Business	2,244,000	15,000	2.4
Schools	5,926,000	32,900	2.7
Energy Information Systems	120,000	100	5.8
Total Commercial	30,996,000	240,000	43.2
Other			
Demand Response	2,000,000	56,000	25
APS System Savings	0	5,000	1.7
Codes and Standards	100,000	42,000	7
TOTAL	64,271,000	570,000	119.8

Arizona Public Service

Preliminary 2017 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings	Est. Peak Demand Savings
Residential			
Consumer Products	7,597,000	101,000	14.8
Existing Homes HVAC	6,086,000	15,000	10.5
Home Performance	2,937,000	8000	3.8
New Homes	4,370,000	11,000	5.2
Limited Income	2,478,000	1500	0.7
Home Energy Reports	1,627,000	67,500	23.5
Multi-Family	1,719,000	9000	1.5
Total Residential	26,814,000	213,000	60
Commercial			
Large Existing Facilities	19,836,000	165,000	35.9
New Construction	3,124,000	30,000	7.2
Small Business	2,149,000	17,500	4.3
Schools	2,092,000	15,400	3.3
Energy Information Systems	88,000	100	5.7
Total Commercial	27,289,000	228,000	56.4
Other			
Energy/Demand Education Pilot	1,000,000	3000	2.4
Load Management Tech Pilot	0	1000	1.3
Locational Value for T&D Pilot	0	0	0
Demand Response	2,100,000	56,000	38.2
Codes and Standards	150,000	41,000	11.4
System Savings	0	20,000	6.9
TOTAL	57,353,000	562,000	176.6

Black Hills Energy - Colorado Electric 2016 EE Program Budgets & Savings Goals

Program	Approved Budget	Annual Energy Savings Goal (kWh)*	Peak Demand Savings (kW)*
Residential			
High Efficiency Lighting	\$ 516,018	2,811,718	324
Appliance Recycling	\$ 47,755	170,879	22
On-Site Energy Evaluation	\$ 313,786	260,739	89
High Efficiency Cooling	\$ 165,460	517,005	538
Home Energy Comparison Report	\$ 284,960	2,260,000	470
Total Residential	\$ 1,327,979	6,020,341	1443
Commercial & Industrial			
New Construction	\$ 47,289	143,413	41
Custom	\$ 632,130	1,889,619	319
Self-Direct Custom	\$ 33,270	99,454	17
Prescriptive	\$ 147,890	273,113	234
Lighting	\$ 2,084,728	6,485,416	1,903
Total Commercial	\$ 2,945,307	8,891,015	2514
Special Programs			
Low Income Assistance	\$ 840,776	929,404	835
School Based Energy Education	\$ 187,250	1,084,487	124
Total Special Programs	\$ 1,028,026	2,013,891	959
Other			
General Administration	\$ 187,500	0	0
General Marketing/Education	\$ 187,500	0	0
Evaluation (EM&V)	\$ 283,816	0	0
Total Other	\$ 658,816	0	0
TOTAL	\$ 5,960,128	16,925,247	4,916

*kWh & kW Savings at the Meter

Note: Savings at the Generator is: 5,232 kW and 18,013,538 kWh

Black Hills Energy - Colorado Electric

2017 EE Program Budgets & Savings Goals

Program	Approved Budget	Annual Energy Savings Goal (kWh)*	Peak Demand Savings (kW)*
Residential			
High Efficiency Lighting	\$ 541,528	2,927,185	338
Appliance Recycling	\$ 56,200	201,473	26
On-Site Energy Evaluation	\$ 344,906	288,318	99
High Efficiency Cooling	\$ 182,072	544,263	563
Home Energy Comparison Report	\$ 228,800	3,155,809	620
Total Residential	\$ 1,353,506	7,117,048	1,646
Commercial & Industrial			
New Construction	\$ 47,289	143,413	41
Custom	\$ 715,305	2,138,253	361
Self-Direct Custom	\$ 33,270	99,454	17
Prescriptive	\$ 154,848	280,655	250
Lighting	\$ 2,175,643	6,781,814	1,989
Total Commercial	\$ 3,126,355	9,443,589	2,658
Special Programs			
Low Income Assistance	\$ 840,776	929,404	835
School Based Energy Education	\$ 187,250	1,084,487	124
Total Special Programs	\$ 1,028,026	2,013,891	959
Other			
General Administration	\$ 187,500	0	0
General Marketing/Education	\$ 187,500	0	0
Evaluation (EM&V)	\$ 294,144	0	0
Total Other	\$ 669,144	0	0
TOTAL	\$ 6,177,031	18,574,528	5,263

*kWh & kW Savings at the Meter

Note: Savings at the Generator is: 5,599 kW and 19,768,870 kWh

New Mexico Gas Company

2016 EE Programs Estimates (2016 Through October)

Program	\$ Spending	Est. Annual Energy Savings (Therms)
Residential		
Low Flow Showerhead	256,711	110,000
Water Heating	177,724	17,600
Space Heating	97,719	108,000
Income Qualified	367,937	220,500
Total Residential	900,091	456,100
Commercial		
Efficient Buildings	394,715	302,000
Other		
Portfolio Costs	46,673	0
TOTAL	1,341,479	758,100

New Mexico Gas Company

2017 Proposed EE Programs

Program	Proposed Annual \$ Spending	Est. Annual Energy Savings (Therms)
Residential		
Water Heating	480,561	148,865
Space Heating	592,617	61,299
ThermSmart New Homes	987,534	213,200
Income Qualified	1,367,894	180,190
Total Residential	3,428,606	603,554
Commercial		
Efficient Buildings	1,576,850	443,822
Multi-Family	750,871	96,344
Total Commercial	2,327,721	540,166
Other		
Portfolio Costs	141,847	N/A
TOTAL	5,898,174	1,143,720

NV Energy

Preliminary 2016 EE Program Estimates (as of Nov. 1)

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Consumer Products (Lighting)	\$ 915,126.00	4,615	NA
Existing Homes HVAC	\$ 6,292,205.00	9,018	NA
Home Performance	\$ -	0	0
New Homes	\$ -	0	0
Appliance Recycling	\$ -	0	0
Limited Income	\$ -	0	0
Home Energy Reports	\$ 866,564.00	8,989	NA
Multi-Family	\$ -	0	0
Shade Trees	\$ -	0	0
Pre-Pay	\$ -	0	0
Total Residential	\$ 8,073,895.00	22,622	0
Commercial			
Large Existing Facilities	\$ 7,664,393.00	40,706	NA
New Construction		6,805	NA
Small Business		1,978	NA
Schools	\$ 715,160.00	5,242	NA
Energy Information Systems	\$ -	0	0
Total Commercial	\$ 8,379,553.00	54,732	0
Other			
Demand Response (Build Only)	\$ 6,082,532.00	15,106	31.95
System Savings	\$ -	0	0
Codes and Standards	\$ -	0	0
TOTAL	\$ 22,535,980.00	92,460	31.95

NV Energy

Proposed 2017 EE Program

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Consumer Products (Lighting)	\$ -	0	NA
Existing Homes HVAC	\$ 7,000,000.00	13,300	7.125
Home Performance	\$ -	0	0
New Homes	\$ -	0	0
Appliance Recycling	\$ -	0	0
Limited Income	\$ -	0	0
Home Energy Reports	\$ 1,900,000.00	0	0
Multi-Family	\$ -	0	0
Shade Trees	\$ -	0	0
Home Assessments	\$ 5,200,000.00	0	0
Total Residential	\$ 14,100,000.00	13,300	7.125
Commercial			
Commercial Services	\$ 15,750,000.00	124,000	14.216
Schools	\$ 5,600,000.00	13,160	0.819
Energy Information Systems	\$ -	0	0
Total Commercial	\$ 21,350,000.00	137,160	15.035
Other			
Demand Response (Build Only)	\$ 11,950,000.00	7,432	39
System Savings	\$ -	0	0
Codes and Standards	\$ -	0	0
TOTAL	\$ 47,400,000.00	157,892	61.16

PNM

2016 EE Programs (Estimated YE results as of October 2016)

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Residential Comprehensive	5,130,303	10,000	4.68
Residential Lighting	3,253,772	16,000	1.80
PNM Home Works	274,542	599	0.03
Home Energy Reports		4,000	0.45
Energy Smart (MFA)	203,338	250	0.04
Easy Savings Kit	482,123	1,133	0.08
Total Residential	9,344,078	31,982	7.08
Commercial			
Commercial Comprehensive	9,186,345	40,500	5.1
Total Commercial	9,186,345	40,500	5.1
Other			
Power Saver Load Management	5,049,041	563	40.0
Peak Saver Load Management	1,688,428	900	18.0
Market Transformation	610,476		
TOTAL	25,878,368	73,945	70

PNM

Preliminary 2017 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Residential Comprehensive	5,146,407	10,736	4.68
Residential Lighting	3,536,714	16,190	1.87
PNM Home Works	556,161	1,677	0.03
New Home Construction	619,320	719	0.21
Energy Smart (MFA)	216,949	301	0.04
Easy Savings Kit	399,316	1,149	0.08
Total Residential	10,474,868	30,772	6.91
Commercial			
Commercial Comprehensive	8,485,249	40,245	5.1
Total Commercial	8,485,249	40,245	5.1
Other			
Power Saver Load Management	4,429,288	563	45.0
Peak Saver Load Management	1,950,158	900	18.0
Market Transformation	617,326		
TOTAL	25,956,890	72,480	75

Questar Gas Company

2016 and 2017 Programs

		(A)	(B)	(C)	(D)	(E)	(F)
		2016				2017	
Program		Actuals + Forecast	Budget	% of Budget	Projected Dth Savings	Budget	Projected Dth Savings
1	ThermWise® Appliance Program	\$ 5,844,748	\$ 5,558,600	105%	236,583	\$ 6,160,250	282,351
2	ThermWise® Builder Program	\$ 6,120,684	\$ 4,986,675	123%	178,296	\$ 5,332,588	141,290
3	ThermWise® Business Program	\$ 2,991,849	\$ 2,094,546	143%	127,842	\$ 2,906,935	171,810
4	ThermWise® Home Energy Plan	\$ 665,964	\$ 919,840	72%	39,264	\$ 760,265	45,207
5	ThermWise® Weatherization Program	\$ 4,862,066	\$ 9,947,770	49%	112,592	\$ 7,248,031	171,108
6	ThermWise® Business Custom Program	\$ 248,071	\$ 498,000	50%	11,457	\$ -	-
7	Market Transformation	\$ 1,309,615	\$ 1,424,200	92%	N/A	\$ 1,354,000	N/A
8	Low-Income Efficiency	\$ 845,914	\$ 889,817	95%	20,063	\$ 859,675	20,795
9	Energy Comparison Report	\$ 404,457	\$ 410,000	99%	174,800	\$ 480,217	232,050
10	TOTAL	\$ 23,293,368	\$ 26,729,448	87%	900,896	\$ 25,101,962	1,064,611

Rocky Mountain Power

Preliminary 2016 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Low Income Weatherization	135,000	426	
Home Energy Savings	14,904,200	67,348	
Home Energy Savings Kits	554,200	3875	
New Homes	1,735,500	3,454	
Home Energy Reports	2,641,995	62476	
Total Residential	19,970,895	137,579	
Commercial and Industrial			
wattsmart Business	31,235,000	208,654	
Midstream (Wholesale)	1,315,300	9,342	
Small Business Direct Install	2,858,000	6,902	
Total Commercial	35,408,300	224,898	
Other			
Demand Response	5,000,000		135
Outreach and Communications	1,400,000		
Evaluations and Studies	771,000		
TOTAL	62,550,195	362,477	135

Rocky Mountain Power

Preliminary 2016 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
Residential			
Low Income Weatherization	60,000	250	
Home Energy Savings	13,470,000	76,420	
Home Energy Savings Kits	83,000	453	
New Homes	595,000	1,366	
Home Energy Reports	2,635,112	53565	
Total Residential	16,843,112	132,054	
Commercial and Industrial			
wattsmart Business	31,497,000	224,368	
Midstream (Wholesale)	2,422,950	13,996	
Small Business Direct Install	4,453,953	13,589	
Total Commercial	38,373,903	251,953	
Other			
Demand Response	5,000,000		135
Outreach and Communications	1,400,000		
Evaluations and Studies	790,900		
TOTAL	62,407,915	384,007	135

Salt River Project

2016 EE Program Costs & Savings

Residential	Total Program Costs	MWh Savings	MW Demand Reduction
	Actual	Actual	Actual
Home Performance with Energy Star	\$2,150,743	1,731	0.39
Cool Cash AC Rebate	\$1,945,978	8,899	4.13
Duct Test and Repair Rebate	\$1,963,423	7,088	3.29
Shade Screen Rebate	\$1,186,791	4,947	2.29
Energy Efficient Pools	\$1,506,914	5,186	1.13
Retail Lighting	\$2,446,060	25,655	5.47
Appliance Recycling	\$1,070,681	8,138	1.03
Shade Tree	\$355,172	397	0.19
Energy Star Homes	\$4,946,202	26,270	6.81
Energy Scorecard	\$427,358	11,337	2.94
Residential Building Codes	\$169,802	7,017	1.82
Appliance Standards	\$59,041	6,244	1.62
Multi-Family LI Pilot	\$186,043	2,354	0.39
TOTAL Res (No M-Power)	\$18,414,208	115,264	31.48
M-Power	\$14,939	266,613	69.09
TOTAL Res (Incl M-Power)	\$18,429,147	381,877	100.57
Commercial	Total Program Costs	MWh Savings	MW Demand Reduction
	Actual	Actual	Actual
Standard Business	\$9,282,316	103,188	19.27
Custom Business	\$3,460,604	27,122	3.42
New Construction	\$1,031,770	4,304	0.72
Retrocommissioning	\$182,674	2,242	0.27
Small Business	\$1,400,088	3,885	0.48
SPATIA	\$74,358	500	0.06
Commercial Building Codes	\$169,802	3,382	0.57
TOTAL	\$15,601,612	144,624	24.80
PowerPartner Demand Response	\$13,584		0.00
General Market Activities	\$1,335,679		
TOTAL	\$35,380,022	526,502	125.37

Total 2015 Incremental Savings as a % of Retail Requirements:

1.83%

Salt River Project

2017 EE Program Costs & Savings

Residential	Total Program Costs	MWh Savings	MW Demand Reduction
	Planned	Planned	Planned
Home Performance with Energy Star	\$2,406,418	2,859	0.92
Cool Cash AC Rebate	\$2,130,588	8,460	4.14
Duct Test and Repair Rebate	\$1,650,625	3,888	1.90
Shade Screen Rebate	\$1,129,107	4,977	2.44
Energy Efficient Pools	\$1,854,098	18,481	4.70
Retail Lighting	\$2,897,635	18,564	3.88
Appliance Recycling	\$1,425,719	10,852	1.34
Shade Tree	\$403,542	449	0.23
Energy Star Homes	\$4,116,222	21,532	5.47
Energy Scorecard	\$353,205	6,908	1.76
Residential Building Codes	\$218,480	2,631	0.67
Appliance Standards	\$84,780	4,234	1.08
Multi-Family LI Pilot	\$376,221	1,609	0.27
Smart Thermostat	\$438,415	0	0.75
TOTAL Res (No M-Power)	\$19,485,055	105,444	29.55
M-Power	\$8,834	271,152	57.73
TOTAL Res (Incl M-Power)	\$19,493,889	376,596	87.27
Commercial	Total Program Costs	MWh Savings	MW Demand Reduction
	Planned	Planned	Planned
Standard Business	\$9,667,696	78,619	15.34
Custom Business	\$4,813,737	30,923	3.97
New Construction	\$1,439,515	3,928	0.66
Small Business	\$2,526,805	6,523	0.80
SPATIA	\$73,282	568	0.09
Commercial Building Codes	\$160,130	8,504	1.42
TOTAL	\$18,681,165	129,064	22.28
General Market Activities	\$1,425,281		
TOTAL	\$39,600,335	505,661	109.56

Targeted Incremental Savings as a % of Retail Requirements:

1.78%

Southwest Gas Company (Arizona)

2016 EE Programs (Estimated YE results as of October 2016)

Program	Est. \$ Spending	Est. Annual Energy Savings
Residential		
SGB Homes	2,596,130	1,204,086
Total Residential	2,596,130	1,204,086
Commercial		
SGB Custom Commercial Rebates	31,708	10,263
Total Commercial	31,708	10,263
Other		
SGB Distributed Generation	24,872	0
SGB LIEC: Weatherization	115,796	2,299
SGB LIEC: Bill Assistance	85,656	0
SGB Solar Thermal Rebates	42,373	1,006
TOTAL	2,871,663	1,217,654
<i>* Arizona programs run from July to June. These results represent spending and therm savings from January 2016 to June 2016</i>		

Preliminary 2017 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)
Residential		
Residential Rebates	295,000	79,548
Homes	2,705,000	610,666
Total Residential	3,000,000	690,214
Commercial		
Commercial Rebates	40,000	210,037
Custom Commercial Rebates	330,000	2,278,708
Total Commercial	370,000	2,488,745
Other		
Schools	500,000	-
Combined Heat and Power	300,000	473,314
LIEC: Weatherization	450,000	75,477
LIEC: Bill Assistance	200,000	-
Solar Rebates	315,000	20,042
TOTAL	4,620,000	3,727,750
<i>* Arizona programs run from July to June. Estimated spending and savings are for July 2016 to June 2017.</i>		

Southwest Gas Company (Nevada)

2016 EE Programs (Estimated YE results as of October 2016)

Program	Est. \$ Spending	Est. Annual Energy Savings
Residential		
NV Residential Rebates	59,016	14,777
Total Residential	59,016	14,777
Commercial		
NV Commercial Rebates	107,045	22,786
Total Commercial	107,045	22,786
Other		
NV Smarter Green Better (SGB) Homes	4,131	0
NV Energy Education	87,351	0
NV Solar	116,062	3,262
NV Home Energy Report	90,240	0
TOTAL	373,605	40,825

Preliminary 2017 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)
Residential	N/A	N/A
Commercial	N/A	N/A
Other		
Education	255,000	0
TOTAL	255,000	0

Tucson Electric Power

2016 EE Programs (Estimated YE results as of October 2016)

Program	Est. \$ Spending	Est. Annual Energy Savings (MWh)	Est. Peak Demand Savings (MW)
Efficient Products	\$ 4,191,188	44,525	4.17
Appliance Recycling	\$ (3,121)	0	0.00
Res. New Construction	\$ 450,000	1,850	1.36
Existing Homes and Audit Direct Install	\$ 3,520,000	7,329	6.31
Shade Tree	\$ 325,000	719	0.30
Low Income Weatherization	\$ 470,000	1,409	0.96
Multi-Family	\$ 3,300,000	5,879	4.03
Subtotal	\$ 12,253,067	61,711.40	17.12
C&I Comprehensive Program	\$ 4,777,806	38,788	5.30
Small Business Direct Install	\$ 1,489,369	7,156	0.59
Schools EE Pilot Program	\$ 752,307	1,584	0.22
Commercial New Construction	\$ 387,732	4,953	2.40
Bid for Efficiency	\$ 253,949	985	0.11
Retro-Commissioning	\$ 179,748	1,760	0.19
CHP Joint Program	\$ -	0	0
Subtotal	\$ 7,840,911	55,226.00	8.81
Behavioral Comprehensive Program	\$ 725,117	6,189	0.56
Home Energy Reports	\$ 50,000	0	0
Subtotal	\$ 775,117	6,189.00	0.56
Education and Outreach	\$ 663,883	0	0
PreRule Credits	\$ -	17,558	0
In-Storage Adder	\$ -	11,289	0.51
Codes Support	\$ 60,000	19,169	0.00
Program Development, Analysis and Reporting Software	\$ 900,000	0	
Subtotal	\$ 1,623,883	48,016.00	0.51
Facility Improv	\$ -	0	0.00
Conservation Voltage Reduction	\$ -	0	0.00
Subtotal	\$ -	-	0.00
Commercial Direct Load Control	\$ 449,627	20,235	18.48
Subtotal	\$ 449,627	20,235.00	18.48
Total	\$ 22,942,605	191,377.40	45.48

Tucson Electric Power

2017 EE Programs

Program	Est. \$ Spending	Est. Annual Energy Savings (MWh)	Est. Peak Demand Savings (MW)
Efficient Products	\$ 4,596,689	52,984	5.32
Appliance Recycling	\$ 416,200	2,789	0.43
Res. New Construction	\$ 479,537	1,158	0.94
Existing Homes and Audit Direct Install	\$ 5,237,642	9,560	9.11
Shade Tree	\$ 294,219	477	0.23
Low Income Weatherization	\$ 451,873	428	0.05
Multi-Family	\$ 808,542	2,151	1.27
Subtotal	\$ 12,284,702	69,547.00	17.35
C&I Comprehensive Program	\$ 3,793,703	29,301	8.61
Small Business Direct Install	\$ 1,838,418	6,609	2.36
Schools EE Pilot Program	\$ 500,000	1,584	0.89
Commercial New Construction	\$ 572,800	3,735	2.08
Bid for Efficiency	\$ 200,000	1,752	0.98
Retro-Commissioning	\$ 212,000	1,314	0.73
CHP Joint Program	\$ 5,500	504	
Subtotal	\$ 7,122,421	44,799.00	15.65
Behavioral Comprehensive Program	\$ 725,818	6,010	0.63
Subtotal	\$ 725,818	6,010.00	0.63
Education and Outreach	\$ 663,883	0	0
PreRule Credits	\$ -	35,294	0
In-Storage Adder	\$ -	11,289	0.88
Codes Support	\$ 173,000	13,125	2.01
Program Development, Analysis and Reporting Software	\$ 695,000	0	0.00
Subtotal	\$ 1,531,883	59,707.98	2.89
Facility Improv	\$ -	0	0.00
Conservation Voltage Reduction			0.07
Subtotal	\$ -	-	0.00
Commercial Direct Load Control	\$ 1,241,300	18,946	0.00
Subtotal	\$ 1,241,300	18,946.00	0.00
Total	\$ 22,906,124	199,009.98	36.52

UNSE**2016 EE Programs (Estimated YE results as of October 2016)**

Program	Est. \$ Spending	Est. Annual Energy Savings (MWh)	Est. Peak Demand Savings (MW)
Efficient Products	\$ 1,610,976	11,201	0.00
Appliance Recycling	\$ 40,000	0	0.00
Res. New Construction	\$ 282,618	196	0.00
Existing Homes and Audit Direct Install	\$ 1,796,855	1,600	0.00
Shade Tree	\$ 35,343	78	0.00
Low Income Weatherization	\$ 351,817	363	0.00
Multi-Family	\$ 1,341,565	4,214	0.00
Subtotal	\$ 5,459,174	17,652.17	0.00
C&I Comprehensive Program	\$ 710,482	5,569	0.00
Bid for Efficiency - Pilot	\$ 65,391	501	0.00
Retro-Commissioning	\$ 19,404	69	0.00
CHP Joint Program - Pilot	\$ -	0	0.00
Subtotal	\$ 795,277	6,139.00	0.00
Behavioral Comprehensive Program	\$ 309,442	1,725	0.00
Home Energy Reports		0	0
Subtotal	\$ 309,442	1,724.54	0.00
Education and Outreach	\$ 106,050	0	0
PreRule Credits	\$ -	1,991	0.00
In-Storage Adder	\$ -	2,033	0.07
Codes Support	\$ -	4,974	0.40
Program Development, Analysis and Reporting Software	\$ 200,000	0	0.00
Subtotal	\$ 306,050	8,998.00	0.47
Subtotal	\$ -	-	0.00
Commercial Direct Load Control	\$ 65,202	3,061	
Subtotal	\$ 65,202	3,061.00	0.00
Total	\$ 6,935,146	37,574.70	0.47

UNSE

2017 EE Programs

Program	Est. \$ Spending	Est. Annual Energy Savings (MWh)	Est. Peak Demand Savings (MW)
Efficient Products	\$ 1,090,512	12,821	0.64
Appliance Recycling	\$ -	-	0.00
Res. New Construction	\$ 282,618	287	0.21
Existing Homes and Audit Direct Install	\$ 1,084,397	1,800	1.77
Shade Tree	\$ 35,343	110	0.05
Low Income Weatherization	\$ 421,485	376.00	0.21
Multi-Family	\$ 220,578	1,000	0.01
Subtotal	\$ 3,134,933	16,394	2.89
C&I Comprehensive Program	\$ 1,023,501	5,222	0.92
Bid for Efficiency	\$ 292,005	500	1.98
Retro-Commissioning	\$ 205,815	1,000	0.86
CHP Joint Program	\$ -	-	0
Subtotal	\$ 1,521,321	6,722	3.76
Behavioral Comprehensive Program	\$ 336,106	3,066	0.13
Subtotal	\$ 336,106	3,066	0.13
Education and Outreach	\$ 146,050	-	0.00
PreRule Credits	\$ -	3,981	0.00
In-Storage Adder	\$ -	1,344	0.13
Codes Support	\$ 34,020	4,908	0.39
Program Development, Analysis and Reporting Software	\$ 200,000		
Subtotal	\$ 380,070	10,234	0.52
Subtotal	\$ -	-	0.00
Commercial Direct Load Control	\$ 374,850	3,631	4.00
Subtotal	\$ 374,850	3,631	4.00
Total	\$ 5,747,280	40,047	11.30

Xcel Energy

2016 Electric EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (kWHs)	Est. Peak Demand Savings (kW)
Residential			
Energy Efficient Showerhead	56,946	706,159	54
Energy Feedback Residential	3,062,404	22,912,843	12032
ENERGY STAR New Homes	859,822	3,036,877	1058
Evaporative Cooling	2,993,071	5,078,655	5641
High Efficiency Air Conditioning	2,688,656	2,120,925	2353
Home Energy Squad	452,303	701,109	275
Home Lighting and Recycling	11,395,617	90,793,678	13455
Home Performance with ENERGY STAR	362,031	594,532	288
Insulation & Air Sealing	84,548	179,911	150
Refrigerator & Freezer	1,281,931	3,571,262	408
Residential Heating	321,715	2,557,160	242
School Education Kits	1,479,212	4,106,097	454
Water Heating	37,224	89,082	18
Total Residential	25,075,480	136,448,290	36428
Commercial			
Commercial Refrigeration Efficiency	1,882,895	9,797,162	901
Compressed Air Efficiency	794,746	3,268,876	513
Computer Efficiency	886,254	8,691,702	1,166
Cooling	3,310,810	9,597,040	2,875
Custom Efficiency	1,522,696	6,777,536	762
Data Center Efficiency	1,289,422	8,310,341	863
Energy Management Systems	183,100	4,352,945	144
Heating Efficiency	1,314,635	8,770,020	233
LED Street Lighting	0	0	0
Lighting Efficiency	43,000	11,500,207	0
Lighting - Small Business	11,926,086	80,618,858	12,425
Motor & Drive Efficiency	3,625,780	20,754,224	3,128
Multifamily Buildings	2,796,843	9,766,456	1,473
New Construction	9,234,537	34,681,037	9,429
Process Efficiency	3,104,922	27,450,217	2,184
Recommissioning	979,014	6,449,641	350
Self Direct	1,280,124	8,515,333	1,296
Total Commercial	44,174,864	259,301,595	37,742
Education/Market Transformation			
Business Education	152,457		
Business Energy Analysis	986,149		

Consumer Education	1,082,674		
Energy Efficiency Financing	60,000		
Home Energy Audit	580,542		
Total Education/Market Transformation	2,861,822	0	0
Low-Income Program			
Energy Savings Kit	289,831	1,008,759	112
Multifamily Weatherization	816,964	1,917,554	252
Non-Profit	518,267	1,838,130	216
Single-Family Weatherization	1,358,190	2,379,324	223
Total low income	2,983,252	7,143,767	803
Planning and Research			
DSM Planning & Administration	519,364		
Program Evaluations	427,266		
Market Research	1,060,924		
Measurement & Verification	15,340		
Product Development	1,360,582		
Multifamily Building Pilot	193,655	560,772	206
Smart Thermostat Pilot	204,563	1,023,251	602
Building Optimization DR Pilot EE	59,904	2,607,231	321
Product Development Total	3,841,598	4,191,254	1,129
TOTAL	78,936,836	407,084,906	76,102

Xcel Energy

2016 Gas EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (Dkths)
Residential		
Energy Efficient Showerhead	664,569	43,555
Energy Feedback Residential	502,034	73,660
ENERGY STAR New Homes	2,753,619	126899
Evaporative Cooling		
High Efficiency Air Conditioning		
Home Energy Squad	380,546	7476
Home Lighting and Recycling		
Home Performance with ENERGY STAR	415,724	16109
Insulation & Air Sealing	289,297	16102
Refrigerator & Freezer		
Residential Heating	725,665	35935
School Education Kits	368,852	31687
Water Heating	109,006	1766
Total Residential	6,209,312	353,189
Commercial		
Commercial Refrigeration Efficiency	23,231	2,458
Compressed Air Efficiency		
Computer Efficiency		
Cooling		
Custom Efficiency	75,044	4,775
Data Center Efficiency		
Energy Management Systems	132,400	18,400
Heating Efficiency	52,443	3,075
LED Street Lighting	369,899	17,193
Lighting Efficiency		
Lighting - Small Business		
Motor & Drive Efficiency	6,329	2,175
Multifamily Buildings		
New Construction	1,117,607	136,535
Process Efficiency		
Recommissioning	29,587	3,351
Self Direct		
Total Commercial	1,806,540	187,962
Other		
Education/Market Transformation		
Business Education	43,920	

Business Energy Analysis	98,563	
Consumer Education	250,557	
Energy Efficiency Financing	60,000	
Home Energy Audit	596,304	
Total Education/Market Transformation	1,049,344	0
Low-Income Program		
Energy Savings Kit	121,186	8,623
Multifamily Weatherization	686,120	10,442
Non-Profit	309,044	2,429
Single-Family Weatherization	2,268,610	35,754
Total Low- Income Program	3,384,960	57,248
Planning and Research		
DSM Planning & Administration	110,826	
Program Evaluations	320,148	
Market Research	381,001	
Measurement & Verification	2,250	
Total	814,225	0
Product Development	254,640	
Multifamily Buildings Pilot EE	132,698	8,428
Smart Thermostat Pilot EE	68,188	8,215
Product Development Total	455,526	16,643
TOTAL	13,719,907	615,042

Xcel Energy

2017 Electric EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (kWhs)	Est. Peak Demand Savings (kW)
Residential			
Energy Efficient Showerhead	55,406	991,735	80
Energy Feedback Residential	3,085,489	20,670,112	4,441
ENERGY STAR New Homes	964,113	3,283,030	985
Evaporative Cooling	3,039,697	3,444,940	5,166
High Efficiency Air Conditioning	3,593,259	3,303,344	3,502
Home Energy Squad	295,465	1,737,542	224
Home Lighting and Recycling	7,545,986	104,667,777	10,177
Home Performance with ENERGY STAR	293,121	760,044	517
Insulation & Air Sealing	198,969	443,437	423
Refrigerator & Freezer	1,292,935	4,954,115	566
Residential Heating	777,897	4,883,086	861
School Education Kits	1,419,329	5,672,969	498
Water Heating	28,468	102,246	21
Total Residential	22,590,134	154,914,377	27,460
Commercial			
Commercial Refrigeration Efficiency	1,059,035	5,679,594	573
Compressed Air Efficiency	769,707	3,896,022	624
Computer Efficiency	267,205	2,293,385	293
Cooling	4,337,058	11,110,802	4,238
Custom Efficiency	1,246,983	5,926,973	973
Data Center Efficiency	1,284,624	8,242,586	755
Energy Management Systems	1,269,885	8,534,453	135
Heating Efficiency	10,341	44,967	8
LED Street Lighting	43,000	7,380,270	0
Lighting Efficiency	11,233,085	83,203,875	10,421
Lighting - Small Business	5,819,878	26,324,295	3,123
Motor & Drive Efficiency	2,637,576	11,274,543	1,863
Multifamily Buildings	900,003	3,949,551	538
New Construction	10,575,780	46,601,300	9,124
Process Efficiency	2,238,671	18,084,744	1,700
Recommissioning	678,307	6,277,029	302
Self Direct	979,907	10,233,982	1,517
Total Commercial	45,351,045	259,058,371	36,187
Other			
Education/Market Transformation			

Business Education	176,739		
Business Energy Analysis	619,499		
Consumer Education	899,908		
Energy Benchmarking	89,000		
Energy Efficiency Financing	57,711		
Home Energy Audit	417,763		
Total Education/Market Transformation	2,260,620	0	0
Low-Income Program			
Energy Savings Kit	319,057	908,428	80
Multifamily Weatherization	1,156,816	1,900,602	266
Non-Profit	1,106,947	1,493,941	304
Single-Family Weatherization	1,191,267	1,231,383	101
Total Low- Income Program	3,774,087	5,534,354	751
Planning and Research			
DSM Planning & Administration	573,390		
Program Evaluations	674,600		
Market Research	345,940		
Measurement & Verification	10,738		
Product Development	3,871,093		
Building Optimization DR Pilot EE	36,750		
ENERGY STAR Retail Products Platform Pilot	886,065	2,149,899	636
Total Planning and Research	6,398,576	2,149,899	636
TOTAL	80,374,462	421,657,001	65034

Xcel Energy

2017 EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (Dkths)
Residential		
Energy Efficient Showerhead	460,118	52,190
Energy Feedback Residential	483,345	63,873
ENERGY STAR New Homes	2150945	93,054
Evaporative Cooling		
High Efficiency Air Conditioning		
Home Energy Squad	336108	11,592
Home Lighting and Recycling		
Home Performance with ENERGY STAR	559460	26,853
Insulation & Air Sealing	385385	20,687
Refrigerator & Freezer		
Residential Heating	533403	47,981
School Education Kits	438447	34,972
Water Heating	122080	2,283
Total Residential	5,469,291	353,485
Commercial		
Commercial Refrigeration Efficiency	11,095	2,434
Compressed Air Efficiency		
Computer Efficiency		
Cooling		
Custom Efficiency	83,213	3,768
Data Center Efficiency		
Energy Management Systems	51,303	8,810
Heating Efficiency	488,280	18,032
LED Street Lighting		
Lighting Efficiency		
Lighting - Small Business	17,940	3,497
Motor & Drive Efficiency		
Multifamily Buildings	558,090	20,184
New Construction	1,716,943	152,646
Process Efficiency		
Recommissioning	59,198	3,450
Self Direct		
Total Commercial	2,986,062	212,821
Other		
Education/Market Transformation		
Business Education	19,638	

Business Energy Analysis	65,507	
Consumer Education	133,323	
Energy Benchmarking	31,000	
Energy Efficiency Financing	60,000	
Home Energy Audit	545,006	
Total Education/Market Transformation	854,474	0
Low-Income Program		
Energy Savings Kit	116,094	8,005
Multifamily Weatherization	592,539	10,835
Non-Profit	293,413	3,821
Single-Family Weatherization	2,297,347	46,842
Total Low- Income Program	3,299,393	69,503
Planning and Research		
DSM Planning & Administration	63,124	
Program Evaluations	168,400	
Market Research	96,732	
Measurement & Verification	1,193	
Total	329,449	
Product Development	170,668	
ENERGY STAR Retail Products Platform Pilot	34,430	269
Product Development Total	205,098	269
TOTAL	13,143,767	636,078