



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

# Utility DSM Program Data

## *2016 and 2017*

- Arizona Public Service*
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# 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)
<b>Residential</b>			
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
<b>Total Residential</b>	<b>31,175,000</b>	<b>227,000</b>	<b>42.9</b>
<b>Commercial</b>			
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
<b>Total Commercial</b>	<b>30,996,000</b>	<b>240,000</b>	<b>43.2</b>
<b>Other</b>			
Demand Response	2,000,000	56,000	25
APS System Savings	0	5,000	1.7
Codes and Standards	100,000	42,000	7
<b>TOTAL</b>	<b>64,271,000</b>	<b>570,000</b>	<b>119.8</b>

# Arizona Public Service

## Preliminary 2017 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings	Est. Peak Demand Savings
<b>Residential</b>			
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
<b>Total Residential</b>	<b>26,814,000</b>	<b>213,000</b>	<b>60</b>
<b>Commercial</b>			
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
<b>Total Commercial</b>	<b>27,289,000</b>	<b>228,000</b>	<b>56.4</b>
<b>Other</b>			
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
<b>TOTAL</b>	<b>57,353,000</b>	<b>562,000</b>	<b>176.6</b>

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

Program	Approved Budget	Annual Energy Savings Goal (kWh)*	Peak Demand Savings (kW)*
<b>Residential</b>			
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
<b>Total Residential</b>	<b>\$ 1,327,979</b>	<b>6,020,341</b>	<b>1443</b>
<b>Commercial &amp; Industrial</b>			
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
<b>Total Commercial</b>	<b>\$ 2,945,307</b>	<b>8,891,015</b>	<b>2514</b>
<b>Special Programs</b>			
Low Income Assistance	\$ 840,776	929,404	835
School Based Energy Education	\$ 187,250	1,084,487	124
<b>Total Special Programs</b>	<b>\$ 1,028,026</b>	<b>2,013,891</b>	<b>959</b>
<b>Other</b>			
General Administration	\$ 187,500	0	0
General Marketing/Education	\$ 187,500	0	0
Evaluation (EM&V)	\$ 283,816	0	0
<b>Total Other</b>	<b>\$ 658,816</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>\$ 5,960,128</b>	<b>16,925,247</b>	<b>4,916</b>

\*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)*
<b>Residential</b>			
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
<b>Total Residential</b>	<b>\$ 1,353,506</b>	<b>7,117,048</b>	<b>1,646</b>
<b>Commercial &amp; Industrial</b>			
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	678,181	1,989
<b>Total Commercial</b>	<b>\$ 3,126,355</b>	<b>9,443,589</b>	<b>2,658</b>
<b>Special Programs</b>			
Low Income Assistance	\$ 840,776	929,404	835
School Based Energy Education	\$ 187,250	1,084,487	124
<b>Total Special Programs</b>	<b>\$ 1,028,026</b>	<b>2,013,891</b>	<b>959</b>
<b>Other</b>			
General Administration	\$ 187,500	0	0
General Marketing/Education	\$ 187,500	0	0
Evaluation (EM&V)	\$ 294,144	0	0
<b>Total Other</b>	<b>\$ 669,144</b>	<b>0</b>	<b>0</b>
<b>TOTAL</b>	<b>\$ 6,177,031</b>	<b>18,574,528</b>	<b>5,263</b>

\*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)
<b>Residential</b>		
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
<b>Total Residential</b>	<b>900,091</b>	<b>456,100</b>
<b>Commercial</b>		
Efficient Buildings	394,715	302,000
<b>Other</b>		
Portfolio Costs	46,673	0
<b>TOTAL</b>	<b>1,341,479</b>	<b>758,100</b>

## New Mexico Gas Company

### 2017 Proposed EE Programs

Program	Proposed Annual \$ Spending	Est. Annual Energy Savings (Therms)
<b>Residential</b>		
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
<b>Total Residential</b>	<b>3,428,606</b>	<b>603,554</b>
<b>Commercial</b>		
Efficient Buildings	1,576,850	443,822
Multi-Family	750,871	96,344
<b>Total Commercial</b>	<b>2,327,721</b>	<b>540,166</b>
<b>Other</b>		
Portfolio Costs	141,847	N/A
<b>TOTAL</b>	<b>5,898,174</b>	<b>1,143,720</b>

# NV Energy

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

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
<b>Residential</b>			
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
<b>Total Residential</b>	<b>\$ 8,073,895.00</b>	<b>22,622</b>	<b>0</b>
<b>Commercial</b>			
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
<b>Total Commercial</b>	<b>\$ 8,379,553.00</b>	<b>54,732</b>	<b>0</b>
<b>Other</b>			
Demand Response (Build Only)	\$ 6,082,532.00	15,106	31.95
System Savings	\$ -	0	0
Codes and Standards	\$ -	0	0
<b>TOTAL</b>	<b>\$ 22,535,980.00</b>	<b>92,460</b>	<b>31.95</b>

# NV Energy

## Proposed 2017 EE Program

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
<b>Residential</b>			
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
<b>Total Residential</b>	<b>\$ 14,100,000.00</b>	<b>13,300</b>	<b>7.125</b>
<b>Commercial</b>			
Commercial Services	\$ 15,750,000.00	124,000	14.216
Schools	\$ 5,600,000.00	13,160	0.819
Energy Information Systems	\$ -	0	0
<b>Total Commercial</b>	<b>\$ 21,350,000.00</b>	<b>137,160</b>	<b>15.035</b>
<b>Other</b>			
Demand Response (Build Only)	\$ 11,950,000.00	7,432	39
System Savings	\$ -	0	0
Codes and Standards	\$ -	0	0
<b>TOTAL</b>	<b>\$ 47,400,000.00</b>	<b>157,892</b>	<b>61.16</b>



# PNM

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

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
<b>Residential</b>			
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
<b>Total Residential</b>	<b>9,344,078</b>	<b>31,982</b>	<b>7.08</b>
<b>Commercial</b>			
Commercial Comprehensive	9,186,345	40,500	5.1
<b>Total Commercial</b>	<b>9,186,345</b>	<b>40,500</b>	<b>5.1</b>
<b>Other</b>			
Power Saver Load Management	5,049,041	563	40.0
Peak Saver Load Management	1,688,428	900	18.0
Market Transformation	610,476		
<b>TOTAL</b>	<b>25,878,368</b>	<b>73,945</b>	<b>70</b>

**PNM****Preliminary 2017 EE Program Estimates**

<b>Program</b>	<b>Est. \$ Spending</b>	<b>Est. Annual Energy Savings (MWHs)</b>	<b>Est. Peak Demand Savings (MWs)</b>
<b>Residential</b>			
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
<b>Total Residential</b>	<b>10,474,868</b>	<b>30,772</b>	<b>6.91</b>
<b>Commercial</b>			
Commercial Comprehensive	8,485,249	40,245	5.1
<b>Total Commercial</b>	<b>8,485,249</b>	<b>40,245</b>	<b>5.1</b>
<b>Other</b>			
Power Saver Load Management	4,429,288	563	45.0
Peak Saver Load Management	1,950,158	900	18.0
Market Transformation	617,326		
<b>TOTAL</b>	<b>25,956,890</b>	<b>72,480</b>	<b>75</b>

# 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
1 0 <b>TOTAL</b>	<b>\$ 23,293,368</b>	<b>\$ 26,729,448</b>	<b>87%</b>	<b>900,896</b>	<b>\$ 25,101,962</b>	<b>1,064,611</b>

# Rocky Mountain Power

## Preliminary 2016 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
<b>Residential</b>			
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	
<b>Total Residential</b>	<b>19,970,895</b>	<b>137,579</b>	
<b>Commercial and Industrial</b>			
wattsmart Business	31,235,000	208,654	
Midstream (Wholesale)	1,315,300	9,342	
Small Business Direct Install	2,858,000	6,902	
<b>Total Commercial</b>	<b>35,408,300</b>	<b>224,898</b>	
<b>Other</b>			
Demand Response	5,000,000		135
Outreach and Communications	1,400,000		
Evaluations and Studies	771,000		
<b>TOTAL</b>	<b>62,550,195</b>	<b>362,477</b>	<b>135</b>

## Rocky Mountain Power

### Preliminary 2016 EE Program Estimates

Program	Est. \$ Spending	Est. Annual Energy Savings (MWHs)	Est. Peak Demand Savings (MWs)
<b>Residential</b>			
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	
<b>Total Residential</b>	<b>16,843,112</b>	<b>132,054</b>	
<b>Commercial and Industrial</b>			
wattsmart Business	31,497,000	224,368	
Midstream (Wholesale)	2,422,950	13,996	
Small Business Direct Install	4,453,953	13,589	
<b>Total Commercial</b>	<b>38,373,903</b>	<b>251,953</b>	
<b>Other</b>			
Demand Response	5,000,000		135
Outreach and Communications	1,400,000		
Evaluations and Studies	790,900		
<b>TOTAL</b>	<b>62,407,915</b>	<b>384,007</b>	<b>135</b>

## 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
<b>TOTAL Res (No M-Power)</b>	<b>\$18,414,208</b>	<b>115,264</b>	<b>31.48</b>
M-Power	\$14,939	266,613	69.09
<b>TOTAL Res (Incl M-Power)</b>	<b>\$18,429,147</b>	<b>381,877</b>	<b>100.57</b>
<b>Commercial</b>	<b>Total Program Costs</b>	<b>MWh Savings</b>	<b>MW Demand Reduction</b>
	<b>Actual</b>	<b>Actual</b>	<b>Actual</b>
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
<b>TOTAL</b>	<b>\$15,601,612</b>	<b>144,624</b>	<b>24.80</b>
<b>PowerPartner Demand Response</b>	<b>\$13,584</b>		<b>0.00</b>
<b>General Market Activities</b>	<b>\$1,335,679</b>		
<b>TOTAL</b>	<b>\$35,380,022</b>	<b>526,502</b>	<b>125.37</b>

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
<b>TOTAL Res (No M-Power)</b>	<b>\$19,485,055</b>	<b>105,444</b>	<b>29.55</b>
M-Power	\$8,834	271,152	57.73
<b>TOTAL Res (Incl M-Power)</b>	<b>\$19,493,889</b>	<b>376,596</b>	<b>87.27</b>
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
<b>TOTAL</b>	<b>\$18,681,165</b>	<b>129,064</b>	<b>22.28</b>
General Market Activities	\$1,425,281		
<b>TOTAL</b>	<b>\$39,600,335</b>	<b>505,661</b>	<b>109.56</b>

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
<b>Residential</b>		
SGB Homes	2,596,130	1,204,086
<b>Total Residential</b>	<b>2,596,130</b>	<b>1,204,086</b>
<b>Commercial</b>		
SGB Custom Commercial Rebates	31,708	10,263
<b>Total Commercial</b>	<b>31,708</b>	<b>10,263</b>
<b>Other</b>		
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
<b>TOTAL</b>	<b>2,871,663</b>	<b>1,217,654</b>
<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)
<b>Residential</b>		
Residential Rebates	295,000	79,548
Homes	2,705,000	610,666
<b>Total Residential</b>	<b>3,000,000</b>	<b>690,214</b>
<b>Commercial</b>		
Commercial Rebates	40,000	210,037
Custom Commercial Rebates	330,000	2,278,708
<b>Total Commercial</b>	<b>370,000</b>	<b>2,488,745</b>
<b>Other</b>		
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
<b>TOTAL</b>	<b>4,620,000</b>	<b>3,727,750</b>
<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
<b>Residential</b>		
NV Residential Rebates	59,016	14,777
<b>Total Residential</b>	<b>59,016</b>	<b>14,777</b>
<b>Commercial</b>		
NV Commercial Rebates	107,045	22,786
<b>Total Commercial</b>	<b>107,045</b>	<b>22,786</b>
<b>Other</b>		
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
<b>TOTAL</b>	<b>373,605</b>	<b>40,825</b>

### Preliminary 2017 EE Program Estimates

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

## 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
<b>Total</b>	<b>\$ 22,942,605</b>	<b>191,377.40</b>	<b>45.48</b>

# 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
<b>Total</b>	<b>\$ 22,906,124</b>	<b>199,009.98</b>	<b>36.52</b>

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

<b>Program</b>	<b>Est. \$ Spending</b>	<b>Est. Annual Energy Savings (MWh)</b>	<b>Est. Peak Demand Savings (MW)</b>
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
<b>Subtotal</b>	<b>\$ 5,459,174</b>	<b>17,652.17</b>	<b>0.00</b>
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
<b>Subtotal</b>	<b>\$ 795,277</b>	<b>6,139.00</b>	<b>0.00</b>
Behavioral Comprehensive Program	\$ 309,442	1,725	0.00
Home Energy Reports		0	0
<b>Subtotal</b>	<b>\$ 309,442</b>	<b>1,724.54</b>	<b>0.00</b>
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
<b>Subtotal</b>	<b>\$ 306,050</b>	<b>8,998.00</b>	<b>0.47</b>
<b>Subtotal</b>	<b>\$ -</b>	<b>-</b>	<b>0.00</b>
Commercial Direct Load Control	\$ 65,202	3,061	
<b>Subtotal</b>	<b>\$ 65,202</b>	<b>3,061.00</b>	<b>0.00</b>
<b>Total</b>	<b>\$ 6,935,146</b>	<b>37,574.70</b>	<b>0.47</b>

# 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
<b>Subtotal</b>	<b>\$ 3,134,933</b>	<b>16,394</b>	<b>2.89</b>
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
<b>Subtotal</b>	<b>\$ 1,521,321</b>	<b>6,722</b>	<b>3.76</b>
Behavioral Comprehensive Program	\$ 336,106	3,066	0.13
<b>Subtotal</b>	<b>\$ 336,106</b>	<b>3,066</b>	<b>0.13</b>
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		
<b>Subtotal</b>	<b>\$ 380,070</b>	<b>10,234</b>	<b>0.52</b>
<b>Subtotal</b>	<b>\$ -</b>	<b>-</b>	<b>0.00</b>
Commercial Direct Load Control	\$ 374,850	3,631	4.00
<b>Subtotal</b>	<b>\$ 374,850</b>	<b>3,631</b>	<b>4.00</b>
<b>Total</b>	<b>\$ 5,747,280</b>	<b>40,047</b>	<b>11.30</b>

# Xcel Energy

## 2016 Electric EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (kWHs)	Est. Peak Demand Savings (kW)
<b>Residential</b>			
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
<b>Total Residential</b>	<b>25,075,480</b>	<b>136,448,290</b>	<b>36428</b>
<b>Commercial</b>			
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
<b>Total Commercial</b>	<b>44,174,864</b>	<b>259,301,595</b>	<b>37,742</b>
<b>Education/Market Transformation</b>			
Business Education	152,457		
Business Energy Analysis	986,149		

Consumer Education	1,082,674		
Energy Efficiency Financing	60,000		
Home Energy Audit	580,542		
<b>Total Education/Market Transformation</b>	<b>2,861,822</b>	<b>0</b>	<b>0</b>
<b>Low-Income Program</b>			
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
<b>Total low income</b>	<b>2,983,252</b>	<b>7,143,767</b>	<b>803</b>
<b>Planning and Research</b>			
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
<b>Product Development Total</b>	<b>3,841,598</b>	<b>4,191,254</b>	<b>1,129</b>
<b>TOTAL</b>	<b>78,936,836</b>	<b>407,084,906</b>	<b>76,102</b>

# Xcel Energy

## 2016 Gas EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (Dkths)
<b>Residential</b>		
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
<b>Total Residential</b>	<b>6,209,312</b>	<b>353,189</b>
<b>Commercial</b>		
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		
<b>Total Commercial</b>	<b>1,806,540</b>	<b>187,962</b>
<b>Other</b>		
<b>Education/Market Transformation</b>		
Business Education	43,920	



Business Energy Analysis	98,563	
Consumer Education	250,557	
Energy Efficiency Financing	60,000	
Home Energy Audit	596,304	
<b>Total Education/Market Transformation</b>	<b>1,049,344</b>	<b>0</b>
<b>Low-Income Program</b>		
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
<b>Total Low- Income Program</b>	<b>3,384,960</b>	<b>57,248</b>
<b>Planning and Research</b>		
DSM Planning & Administration	110,826	
Program Evaluations	320,148	
Market Research	381,001	
Measurement & Verification	2,250	
<b>Total</b>	<b>814,225</b>	<b>0</b>
Product Development	254,640	
Multifamily Buildings Pilot EE	132,698	8,428
Smart Thermostat Pilot EE	68,188	8,215
<b>Product Development Total</b>	<b>455,526</b>	<b>16,643</b>
<b>TOTAL</b>	<b>13,719,907</b>	<b>615,042</b>

# Xcel Energy

## 2017 Electric EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (kWhs)	Est. Peak Demand Savings (kW)
<b>Residential</b>			
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
<b>Total Residential</b>	<b>22,590,134</b>	<b>154,914,377</b>	<b>27,460</b>
<b>Commercial</b>			
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
<b>Total Commercial</b>	<b>45,351,045</b>	<b>259,058,371</b>	<b>36,187</b>
<b>Other</b>			
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		
<b>Total Education/Market Transformation</b>	<b>2,260,620</b>	<b>0</b>	<b>0</b>
<b>Low-Income Program</b>			
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
<b>Total Low- Income Program</b>	<b>3,774,087</b>	<b>5,534,354</b>	<b>751</b>
<b>Planning and Research</b>			
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
<b>Total Planning and Research</b>	<b>6,398,576</b>	<b>2,149,899</b>	<b>636</b>
<b>TOTAL</b>	<b>80,374,462</b>	<b>421,657,001</b>	<b>65034</b>

## Xcel Energy

### 2017 EE Programs (Filed)

Program	Est. \$ Spending	Est. Annual Energy Savings (Dkths)
<b>Residential</b>		
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
<b>Total Residential</b>	<b>5,469,291</b>	<b>353,485</b>
<b>Commercial</b>		
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		
<b>Total Commercial</b>	<b>2,986,062</b>	<b>212,821</b>
<b>Other</b>		
<b>Education/Market Transformation</b>		
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	
<b>Total Education/Market Transformation</b>	<b>854,474</b>	<b>0</b>
<b>Low-Income Program</b>		
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
<b>Total Low- Income Program</b>	<b>3,299,393</b>	<b>69,503</b>
<b>Planning and Research</b>		
DSM Planning & Administration	63,124	
Program Evaluations	168,400	
Market Research	96,732	
Measurement & Verification	1,193	
<b>Total</b>	<b>329,449</b>	
<b>Product Development</b>	170,668	
ENERGY STAR Retail Products Platform Pilot	34,430	269
<b>Product Development Total</b>	<b>205,098</b>	<b>269</b>
<b>TOTAL</b>	<b>13,143,767</b>	<b>636,078</b>