



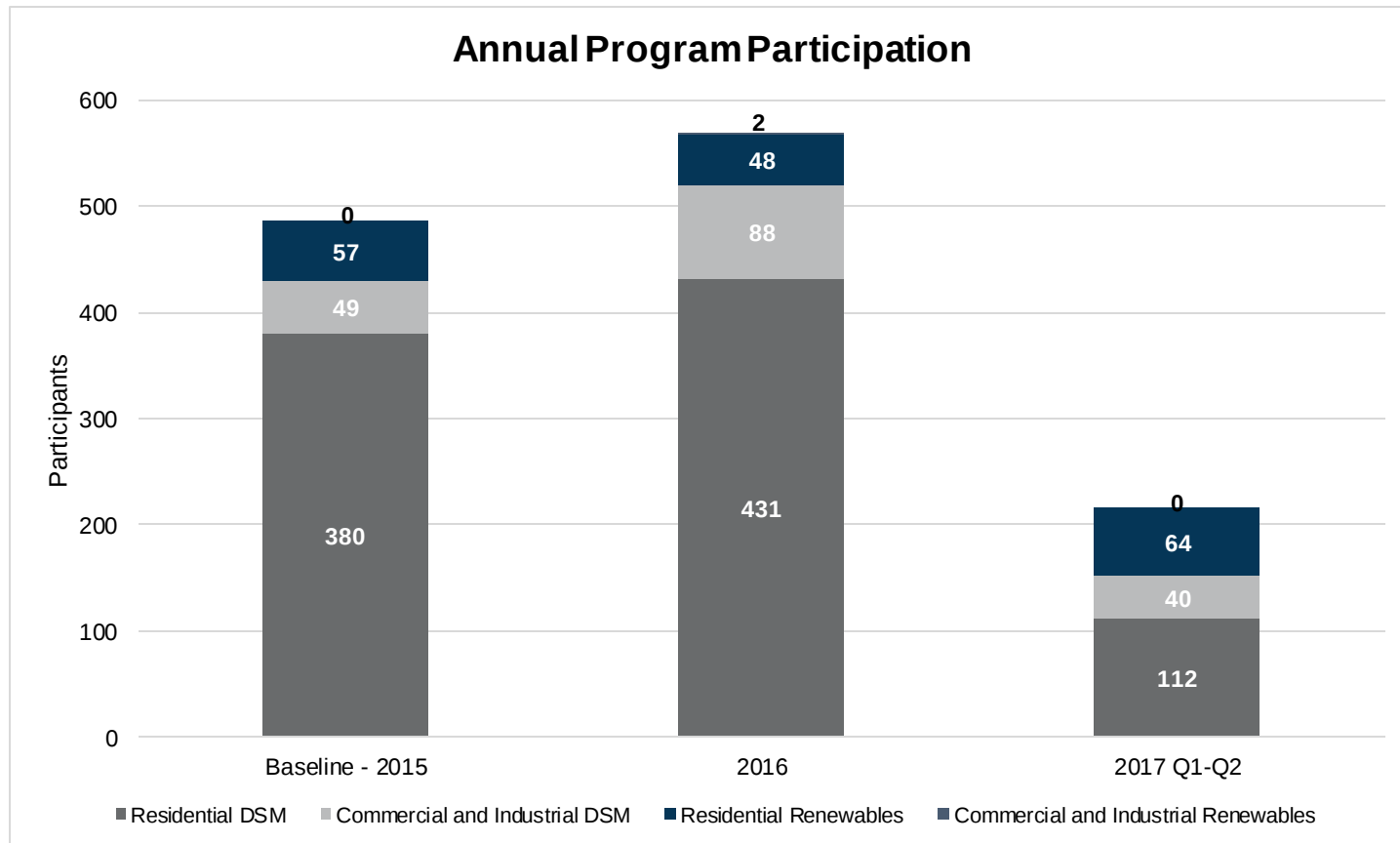
Program Participation Summary

Q1-Q2 2017 Progress Update

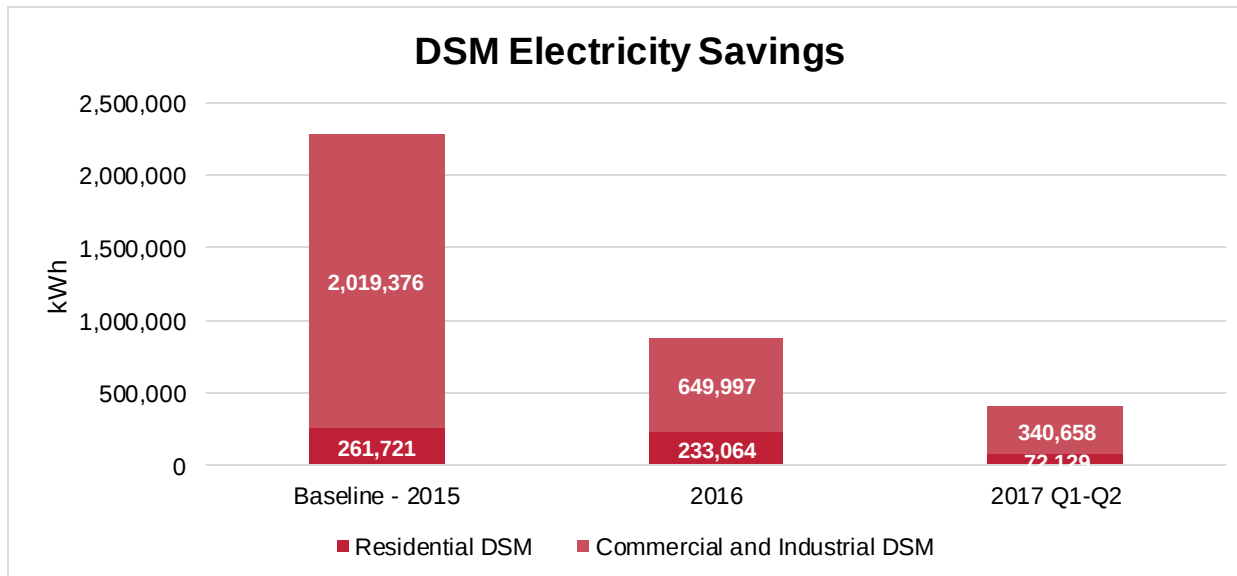
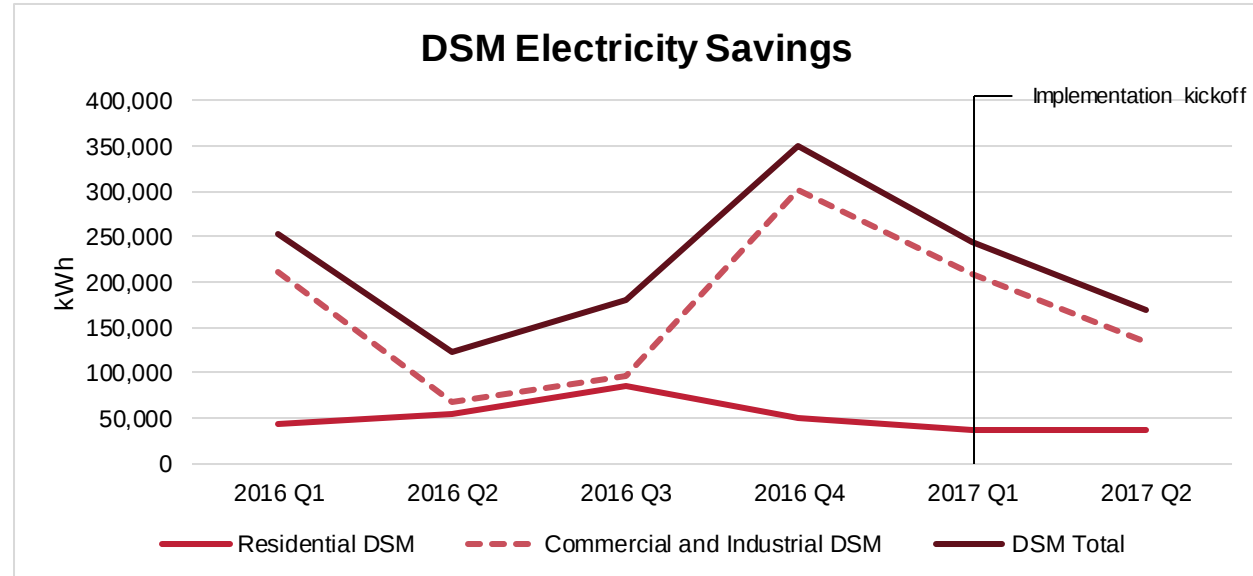
Background Context

- Implementation period: Feb. 1, 2017- Sept. 30, 2018
- Xcel Energy PiE Support: About 23/hrs per month budgeted, tracking higher during first six months
- Overall goals
 - *The City of Louisville, in collaboration with residents and businesses, encourages energy efficiency and renewable energy, leveraging resources, and benefitting our economic vitality, environmental health, and community well-being.*
 - Reduce total energy use 1% annually over 2015 baseline
- Tracking timeline
 - Program participation and savings: Bi-annual tracking
 - Consumption: Annual tracking
 - Data pulls are dependent on when data is populated
 - Note – Some program vendors report at end of the year

Annual Program Participation



Electricity Savings



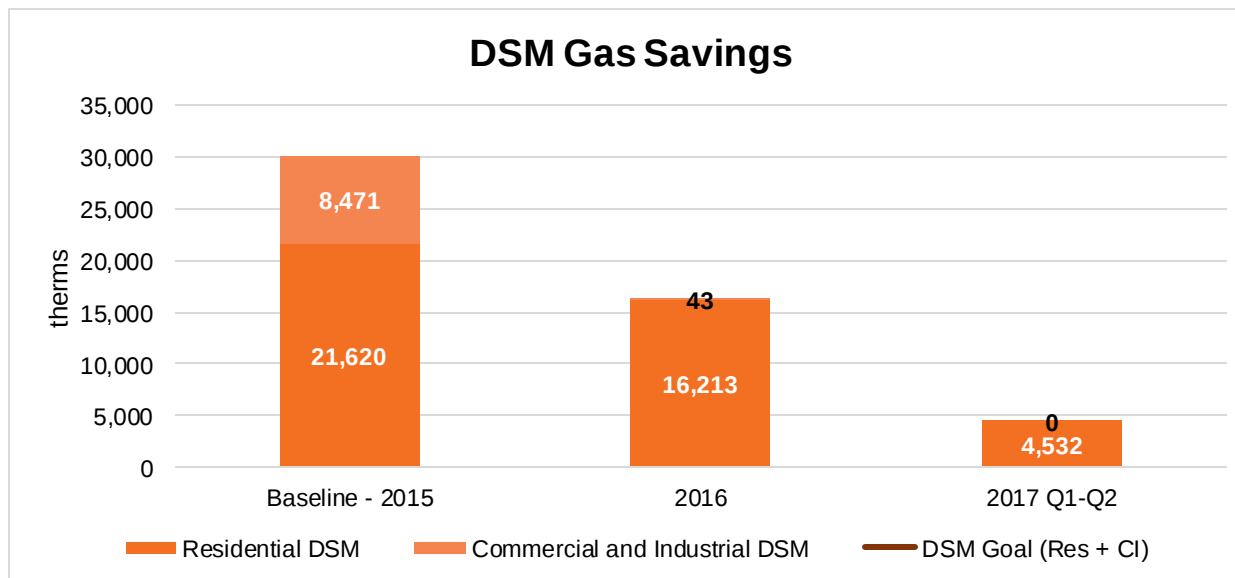
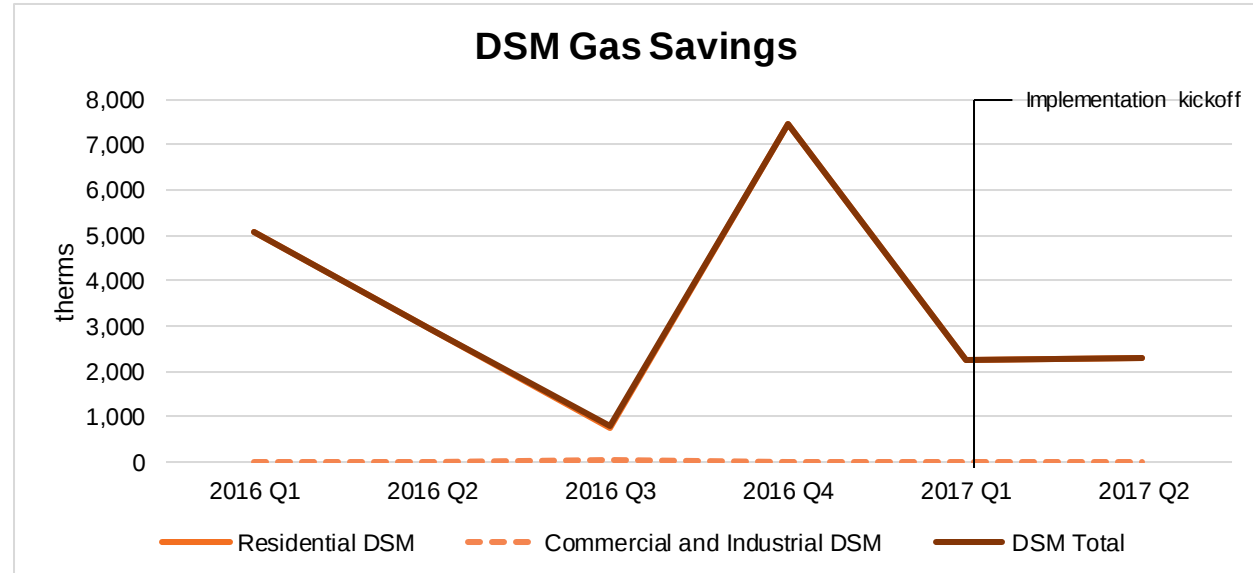
Electricity Savings

	Average kWh Savings per Participant	
	2015	2016
Residential Program		
Evaporative Cooling	1,215	1,493
ENERGY STAR® New Homes	1,152	1,293
High Efficiency Air Conditioning	1,074	1,136
Refrigerator & Freezer Recycling	1,030	977
Home Performance with ENERGY STAR®	646	912
Residential Heating	702	744
Single Family Weatherization	465	420
Home Energy Squad	0	297
Energy Savings Kit	300	252
Insulation & Air Sealing	253	246
Saver's Switch	14	13
Water Heating	246	0
Home Energy Audit	0	0

Electricity Savings

Commercial/ Industrial Program	Average kWh Savings per Participant	
	2015	2016
Motor & Drive Efficiency	330,419	0
Energy Efficiency Buildings	147,651	0
Energy Design Assistance	95,200	0
Lighting Efficiency	35,935	21,964
Lighting – Small Business	8,077	3,375
Cooling	1,588	4,857
Commercial Refrigeration Efficiency	0	12,412

Natural Gas Savings



Natural Gas Savings

	Average therm Savings per Participant	
Residential Program	2015	2016
Home Performance with ENERGY STAR®	69	806
Insulation & Air Sealing	188	259
ENERGY STAR® New Homes	195	143
Single Family Weatherization	150	125
Residential Heating	99	78
Water Heating	41	69
Energy Savings Kit	18	21
Home Energy Squad	0	54

	Average therm Savings per Participant	
Commercial/ Industrial Program	2015	2016
Energy Efficiency Buildings	8,218	0
Heating Efficiency	127	0

Residential Program Notes

- Trends

- Higher overall residential program participation compared to Q1-Q2 2015
- Continued uptake of home comfort programs

- Increased participation to date

- Home Energy Audit

- Participation to watch

- ENERGY STAR New Homes
- Home Energy Squad
- Evaporative Cooling
- Single Family Weatherization
- Refrigerator & Freezer Recycling
- Smart Thermostat
- School Education Kits

Residential Program Participation	Baseline - 2015	2016	2017 Q1-Q2
High Efficiency Air Conditioning	48	49	33
ENERGY STAR New Homes	24	10	0
Evaporative Cooling	11	17	5
Home Energy Audit	23	18	16
Home Energy Squad	0	5	0
Home Performance with ENERGY STAR	1	2	0
Insulation & Air Sealing	15	19	10
Energy Savings Kit	18	20	0
Multifamily Weatherization	1	0	0
Single-Family Weatherization	3	7	0
Multifamily Buildings		0	0
Refrigerator & Freezer Recycling	79	68	0
Residential Heating	88	75	39
Saver's Switch	45	65	7
Smart Thermostat	12	64	0
Water Heating	12	12	2
School Education Kits		413	0
Solar Rewards for Residential	43	24	34
Residential Non Incentive Small DG - Solar	0	7	30
Windsorce for Residential	14	17	0

Business Program Notes

- Trends
 - Participation almost 2015 baseline total and equal to Q1-Q2 2016
 - Lighting programs are seeing most use
- Participation to watch
 - Cooling
 - Business Energy Analysis
 - Heating Efficiency

Business Program Participation	Baseline - 2015	2016	2017 Q1-Q2
Commercial Refrigeration Efficiency	1	2	1
Compressed Air Efficiency	0	0	0
Computer Efficiency	0	0	0
Cooling	3	9	2
Custom Efficiency	0	0	0
Data Center Efficiency	0	0	0
Business Energy Analysis	1	4	0
Energy Design Assistance	1	0	0
Energy Efficient Buildings	1	0	0
Energy Management Systems	0	0	0
Heating Efficiency	2	0	0
ISOC	0	0	0
Lighting Efficiency	17	19	11
Lighting - Small Business	21	56	25
Motor & Drive Efficiency	3	0	2
Process Efficiency	0	0	0
Recommissioning	0	0	0
Self Direct	0	0	0
LED Street Lighting	0	0	0
Small Business Smart Thermostat Pilot	0	0	0
Building Optimization DR Pilot	0	0	0
Non-Profit	0	0	0
Solar Rewards for Business	0	2	0
Business Non Incentive Small DG - Solar	0	0	0
Windsorce for Business	0	0	0

At a Glance: Q1-Q2 2017

Areas of Progress

- Uptick in Small Business Lighting attributable in part to the Green Business Program efforts
- Residential renewables on the upswing – residents choosing to connect on their own

Areas to Watch

- Programs reporting 0, should increase towards end of year
- Multiple municipal projects in the works

DSM	Participation Counts					Electric kWh Savings					Natural Gas Therm Savings				
	Baseline - 2015	2016	2017 Q1-Q2			Baseline - 2015	2016	2017 Q1-Q2			Baseline - 2015	2016	2017 Q1-Q2		
Residential DSM	380	431	112	0	0	261,721	233,064	72,129	0	0	21,620	16,213	4,532	0	0
Commercial and Industrial DSM	49	88	40	0	0	2,019,376	649,997	340,658	0	0	8,471	43	0	0	0
DSM Total	429	519	152	0	0	2,281,097	883,061	412,787	0	0	30,091	16,256	4,532	0	0
DSM GHG Savings, MTCO2e	1,696	615	266	0	0	1,534	529	242	0	0	161	86	24	0	0



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An Xcel Energy Community Collaboration