

Regional Energy Efficiency Organizations (REEOs)





Northeast Energy Efficiency Partnerships

Regional Roundup: Northeast/Mid-Atlantic

Jim O'Reilly, Director of Public Policy
Northeast Energy Efficiency Partnerships

September 21, 2015

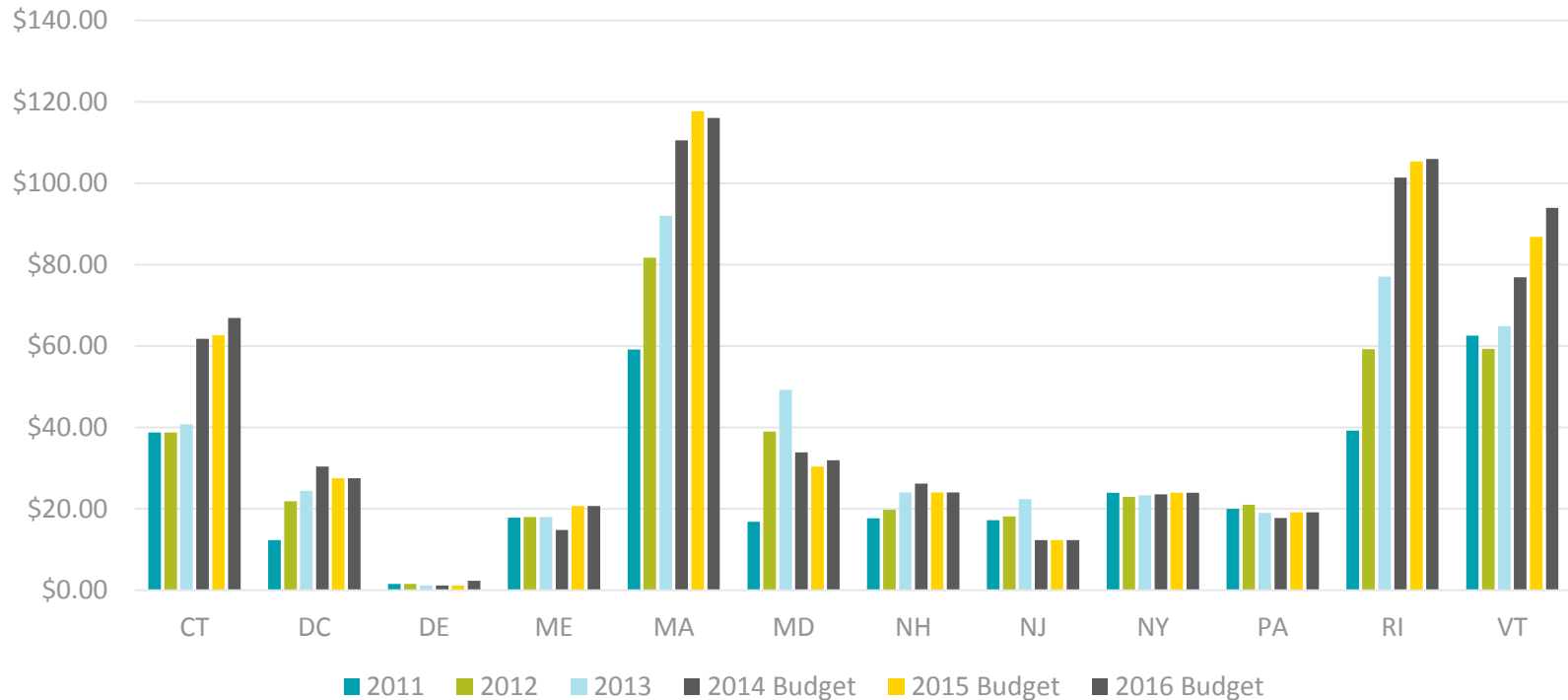
Efficiency Policies



State	Policy Type	Program Administrator	Energy Savings Goals
Connecticut	All Cost-Effective EE	Electric & Gas Utilities	~1.4% electric sales (proceeding pending)
Maine	All Cost-Effective EE	Efficiency Maine Trust	~1.5% electric sales by 2016
Massachusetts	All Cost-Effective EE	Electric & Gas Utilities, CLC	2.5% electric, 1.08% gas sales/year by 2018 <i>pending</i>
New Hampshire	<i>Program Funding Only</i>	Electric & Gas Utilities	<i>No mandated goals, but EERS proceeding pending</i>
Rhode Island	All Cost-Effective EE	Electric & Gas Utilities	2.6% electric & 1.1% gas sales/year by 2017
Vermont	All Cost-Effective EE	Energy Efficiency Utility	2.1% electric sales/year by 2017
Delaware	All Cost-Effective	Utilities+ SEU	<i>In Progress</i>
D.C.	Efficiency Utility Goals	Sustainable Energy Utility	<i>N/A</i>
Maryland	EERS	Electric and Gas Utilities	~2.0% electric sales in 2020
New Jersey	<i>Efficiency Funding</i>	Office of Clean Energy + Utilities	<i>No mandated savings goals</i>
New York	EERS	NYSERDA + Utilities	Proceeding pending
Pennsylvania	<i>EERS_Funding Capped</i>	Electric Utilities	~0.8% of electric sales/year through 2021*

State Spending on Energy Efficiency

Comparison of 2011 to 2016 Per Capita Program Spending

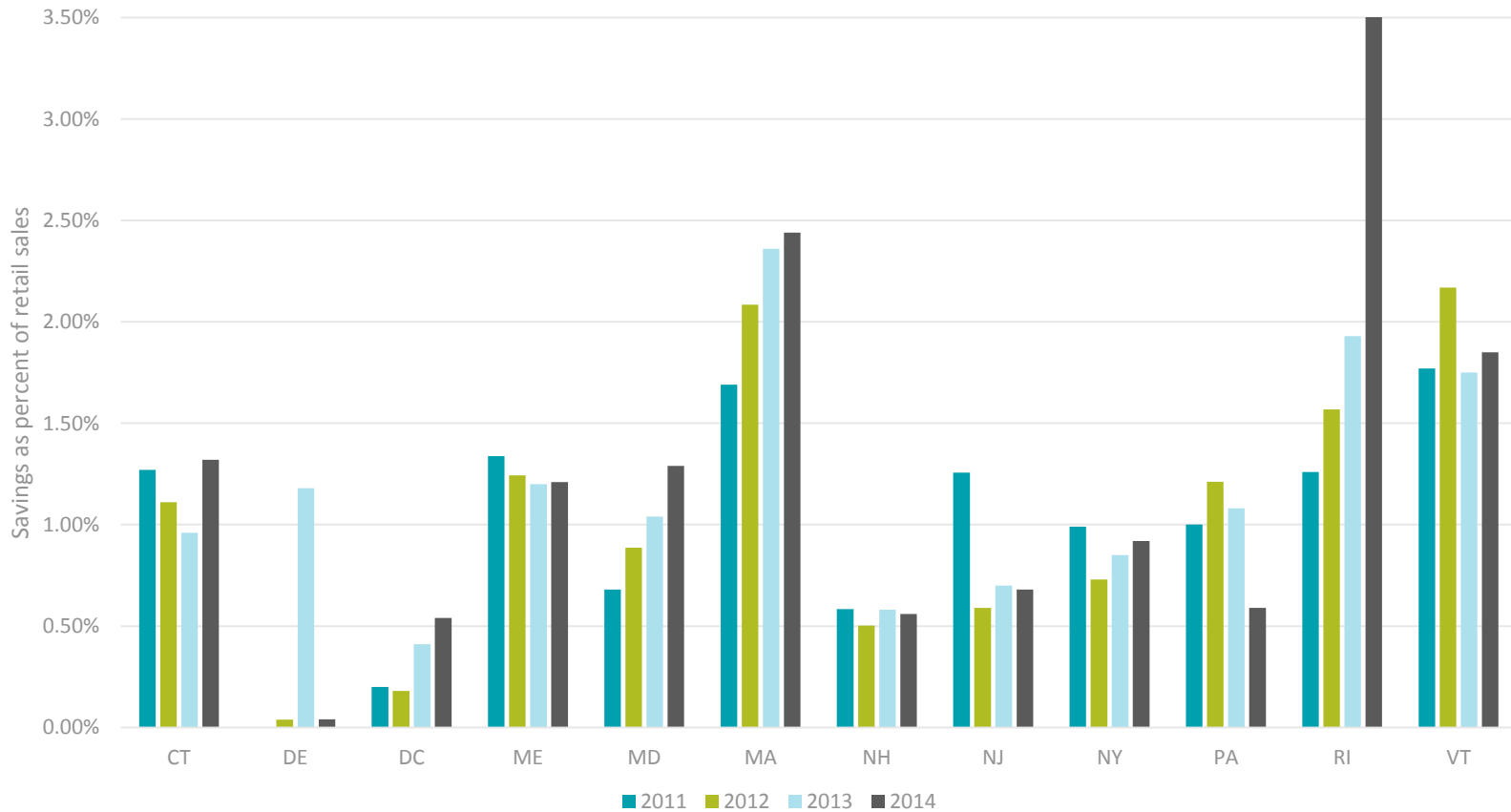


Efficiency investments are rising in many states in New England and in the Mid-Atlantic. The next generation of three year plans continues the trend towards robust investments in energy efficiency. Combined efficiency program investments per-capita will average approximately \$45 in 2016.

Expenditures include all electric and natural gas ratepayer funding and funding from RGGI and wholesale markets like the Forward Capacity Market.. 2010-2013 are year-end reported data while 2014-16 expenditures are forecasted data that are subject to change. Population figures are taken from the U.S. Census Bureau via Google, and 2014 population figures used for 2014-16.

Electric Savings, 2010-2014

Electric Savings as a Percentage of State Retail electric Sales



Policy has driven energy efficiency to make up a growing portion of our electricity demand, with leading states achieving savings just above 2 percent of annual electric sales.

Electricity savings are taken from NEEP's [REED Database](#), [EIA File 861](#), and the [ISO New England EE Forecast](#). Electricity sales data are taken from the [EIA's State Electricity Profiles website](#). New York and New Jersey figures for 2013 are taken from ACEEE.

Region's latest developments

LEADING THE PACK



2015 % Retail Sales	Electric Savings	Gas Savings
Massachusetts	2.6%	1.19%
Rhode Island	2.5%	1.0%
Vermont	2.2%	1.0%

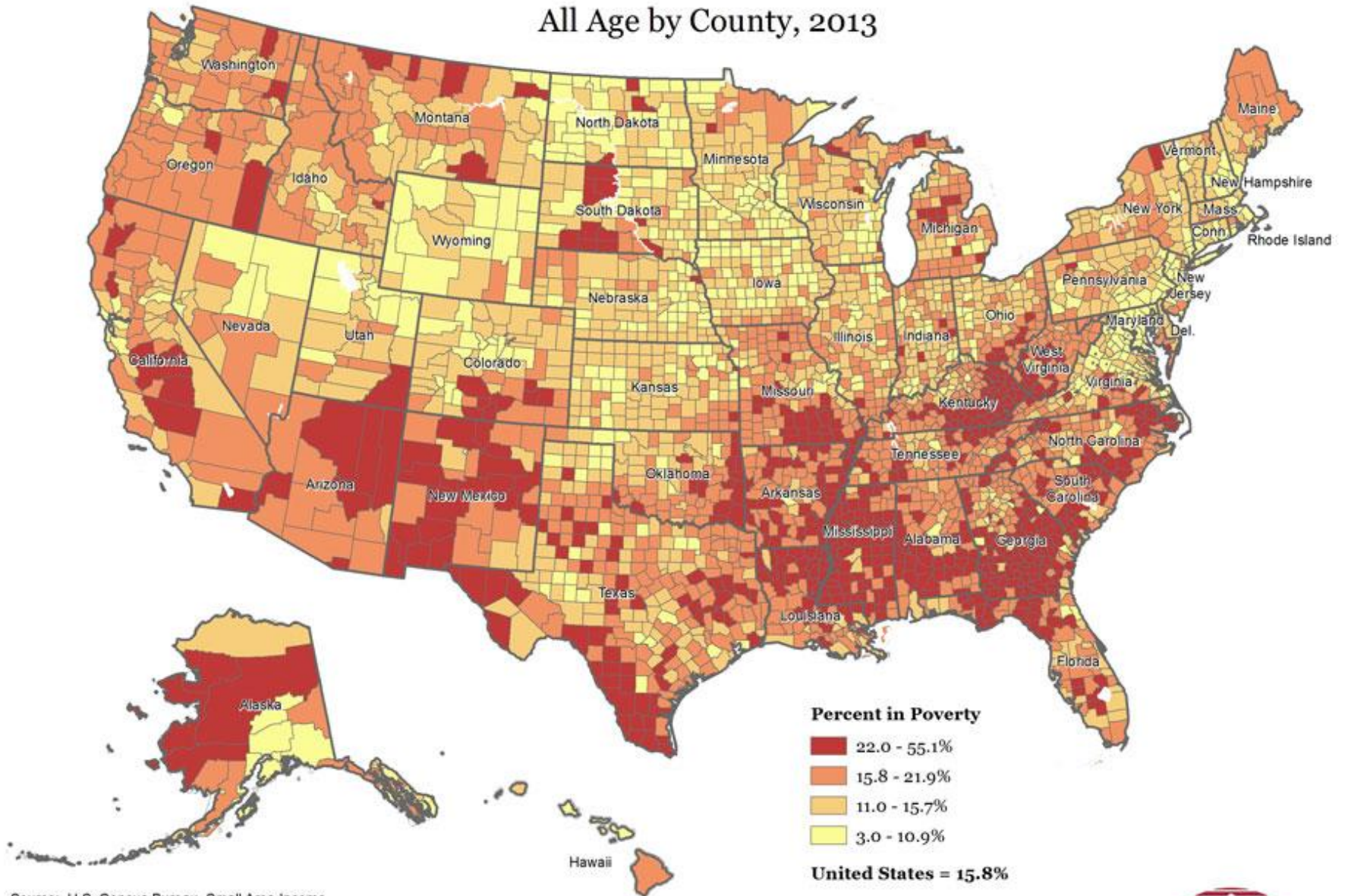
NOTABLE TRENDS

- Geo-targeting efficiency measures and distributed generation as a substitute for T&D upgrades
- Incorporating expected 111(d) compliance into cost effectiveness screening
- Shareholder incentives targeting peak demand savings goals
- Energy transformation portfolios in Vermont, fuel neutrality in New York
- Market segmentation within programs

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Estimated Percent of Population in Poverty All Age by County, 2013



Source: U.S. Census Bureau, Small Area Income & Poverty Estimates (SAIPE), 2013.

Note: Alaska and Hawaii not shown to scale.



MEEA
Midwest Energy Efficiency Alliance

REGIONAL ROUND-UP – MIDWEST

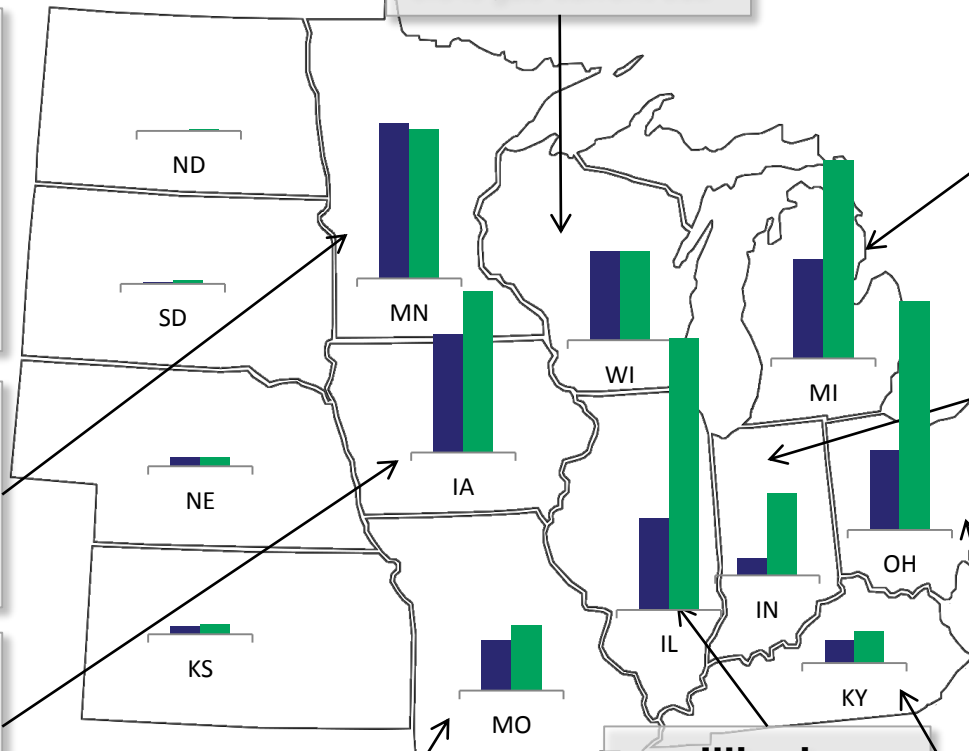
2015 ACEEE National Conference on Energy
Efficiency as a Resource

September 2015

The Source On Energy Efficiency

Midwest Efficiency Targets and Funding Levels

2010 \$1.01 billion
 2015 \$1.78 billion



Wisconsin
 No specific targets
 0.6% elec current est.
 0.5% gas current est.

**North Dakota
 South Dakota
 Nebraska
 Kansas**
 Voluntary energy efficiency only

Michigan
 1% elec by 2012
 0.75% gas by 2012
 Legislative rollback proposed

Minnesota
 1.5% elec by 2010
 1.0% gas by 2010
 (gas goal reduced by commission)

Indiana
 Overturned 2014
 Future legislation & funding unclear

Iowa
 Set on a utility basis
 1.2% elec current plans
 0.85% gas current plans

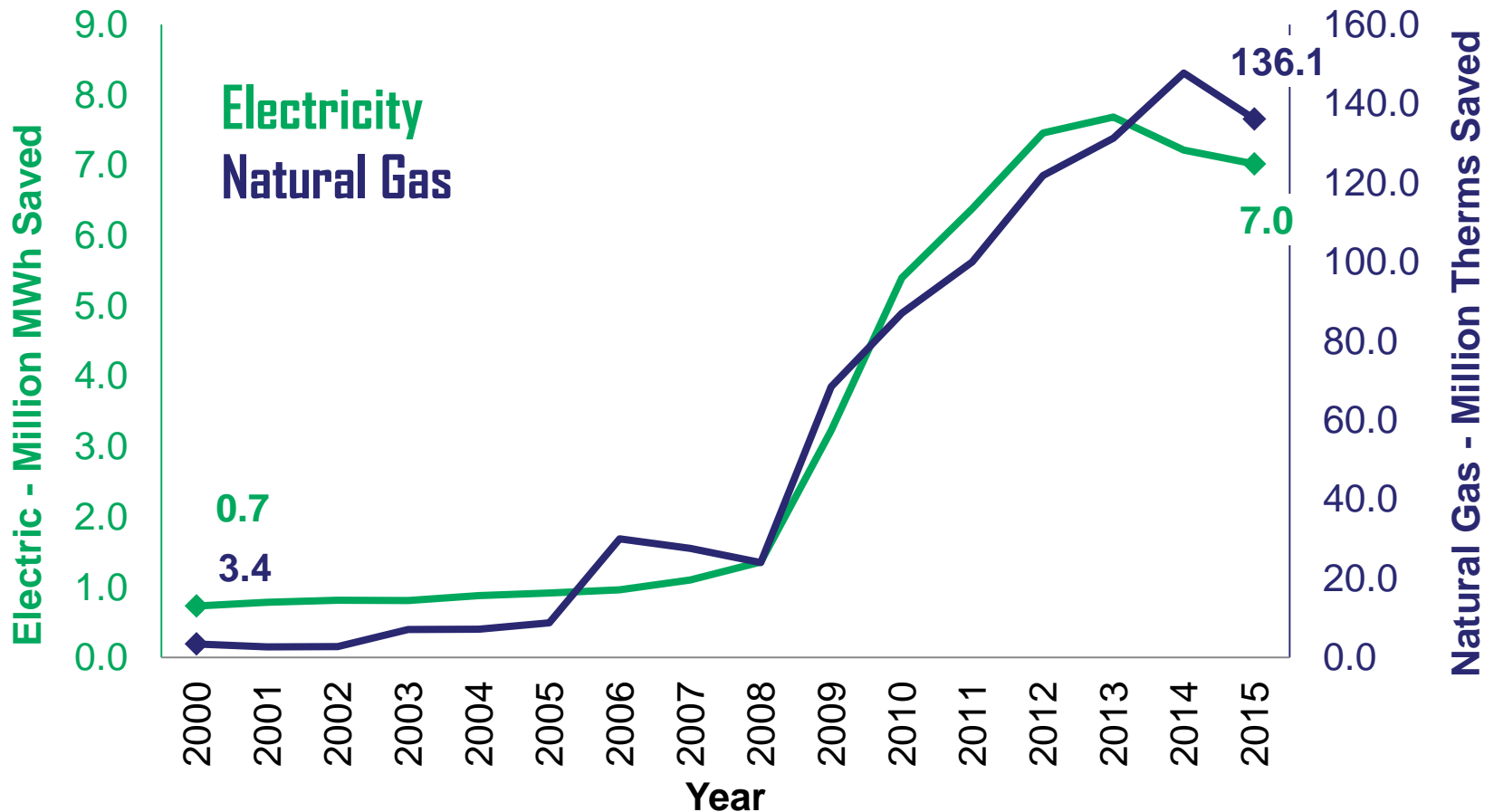
Ohio
 Two-year "freeze" after 2014.
 Future legislation & funding unclear.

Missouri
 IRP process;
 Voluntary electric

Illinois
 2% elec by 2015
 1.5% gas by 2017
 Fund sweep of State program proposed

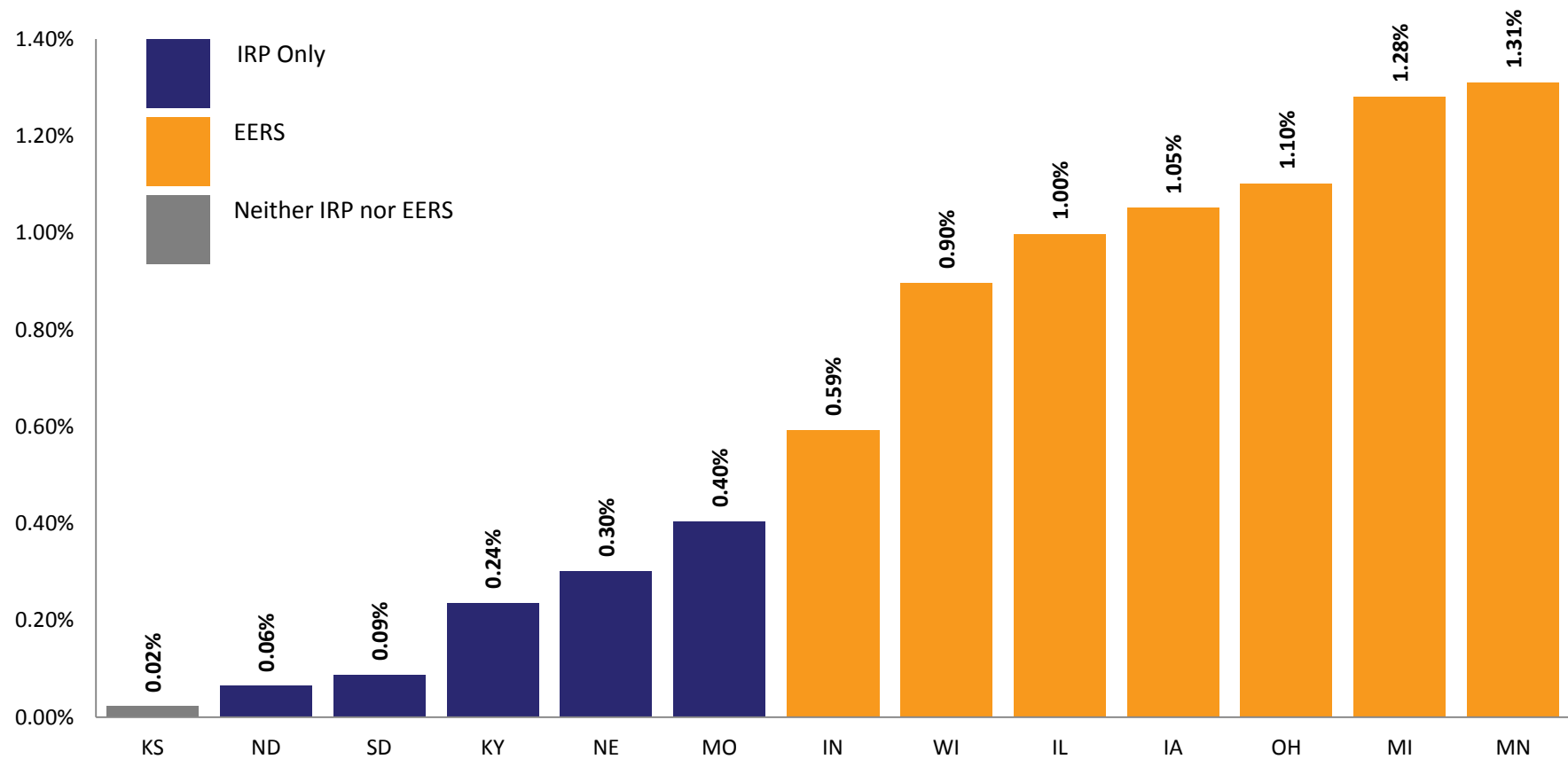
Kentucky
 Voluntary electric and gas

Energy Savings Through Utility Energy Efficiency in the Midwest



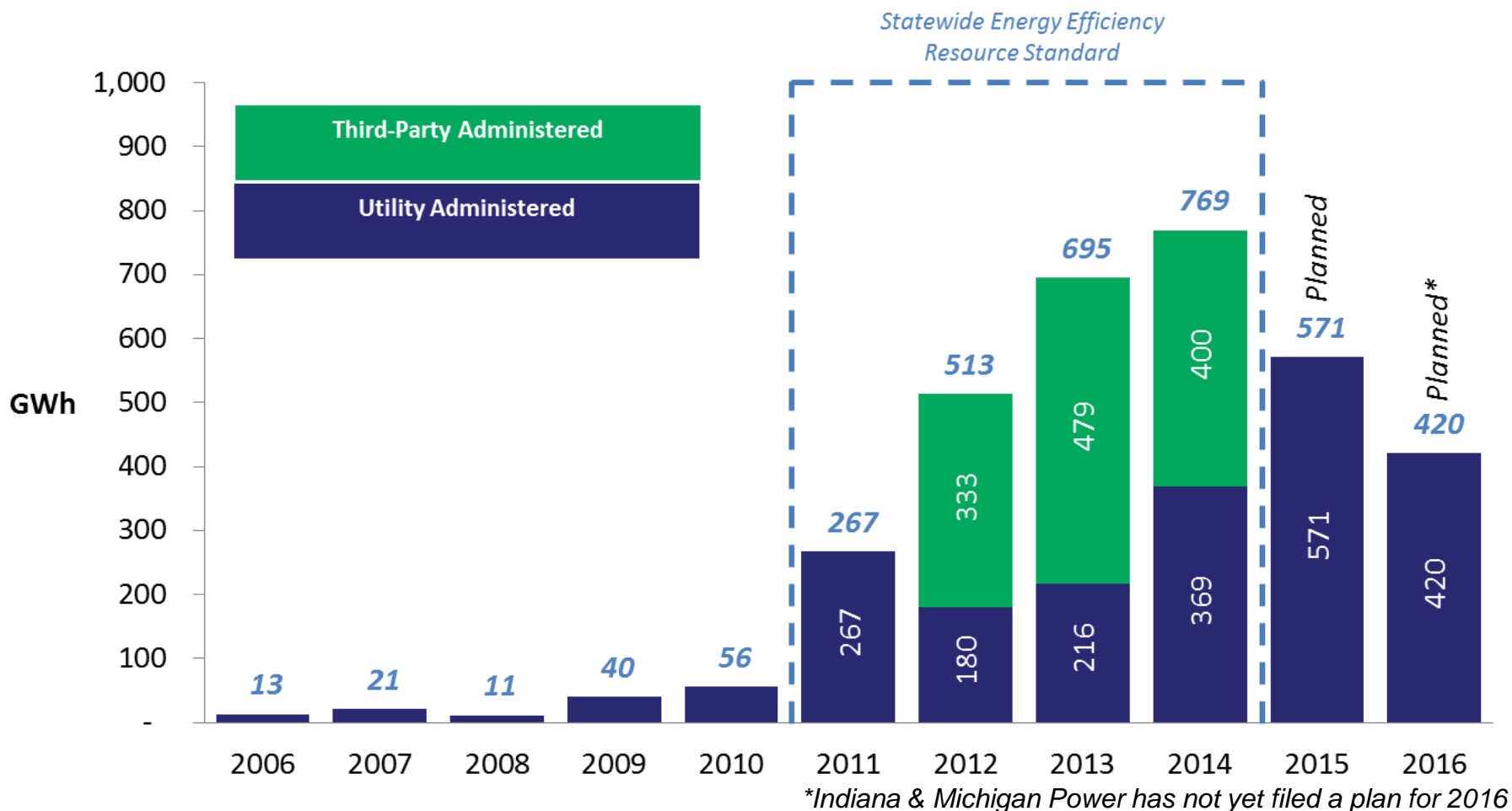
Energy Efficiency in Midwest States

Saved electricity as percent of total retail electricity sales, 2013



Sources: MEEA, 2015; EIA, 2015

Energy Savings Reduced in Indiana after the Repeal of their Energy Efficiency Resource Standard



Current Challenges and Opportunities

- Rollbacks of EERS
 - Indiana and Ohio in 2014
 - Legislation proposed in Michigan in 2015
- IRP in place of EERS
- 10 States have more stringent emissions targets under final Clean Power Plan
- 40% of all Industrial energy efficiency potential in Midwest
- Increased adoption and compliance with building energy codes
- New utility business model
 - Minnesota

Questions and Contact Information

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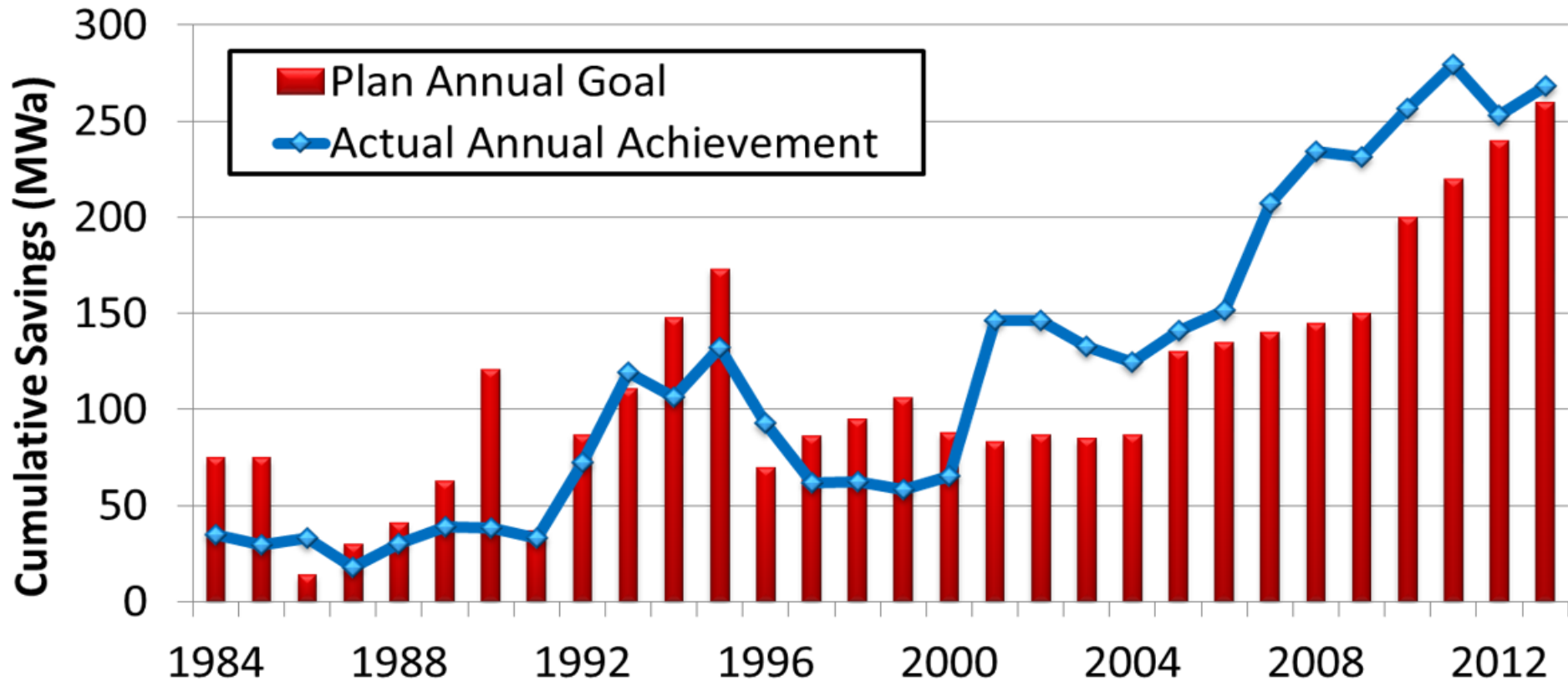


Northwest Energy Efficiency Alliance

2015 ACEEE National Conference on
Energy Efficiency as a Resource
Susan E. Stratton

NORTHWEST ENERGY EFFICIENCY ALLIANCE

NW Has Exceeded EE Goals Consistently Since 2000

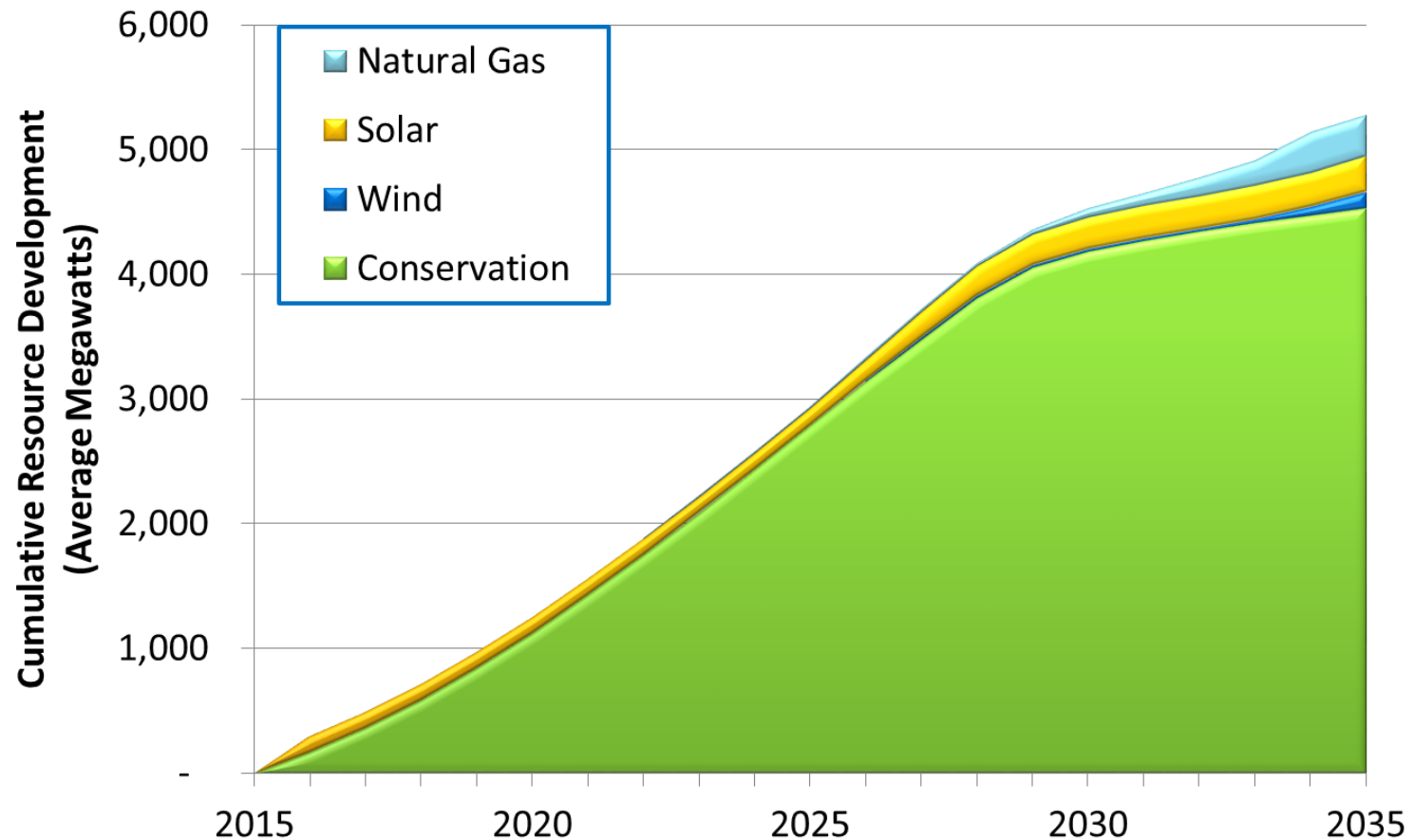


2013	% Revenue	% Sales
ID	2.1	.78
MT	1.5	.65
OR	4.3	1.43
WA	4.6	1.35



NW: EE Will Meet Load Growth through 2030

7th Plan Resource Portfolio



Status of Electric Utility Energy Efficiency Programs in the Southwest

Howard Geller



Presentation at ACEEE Energy Efficiency as a
Resource Conference

Little Rock, AR

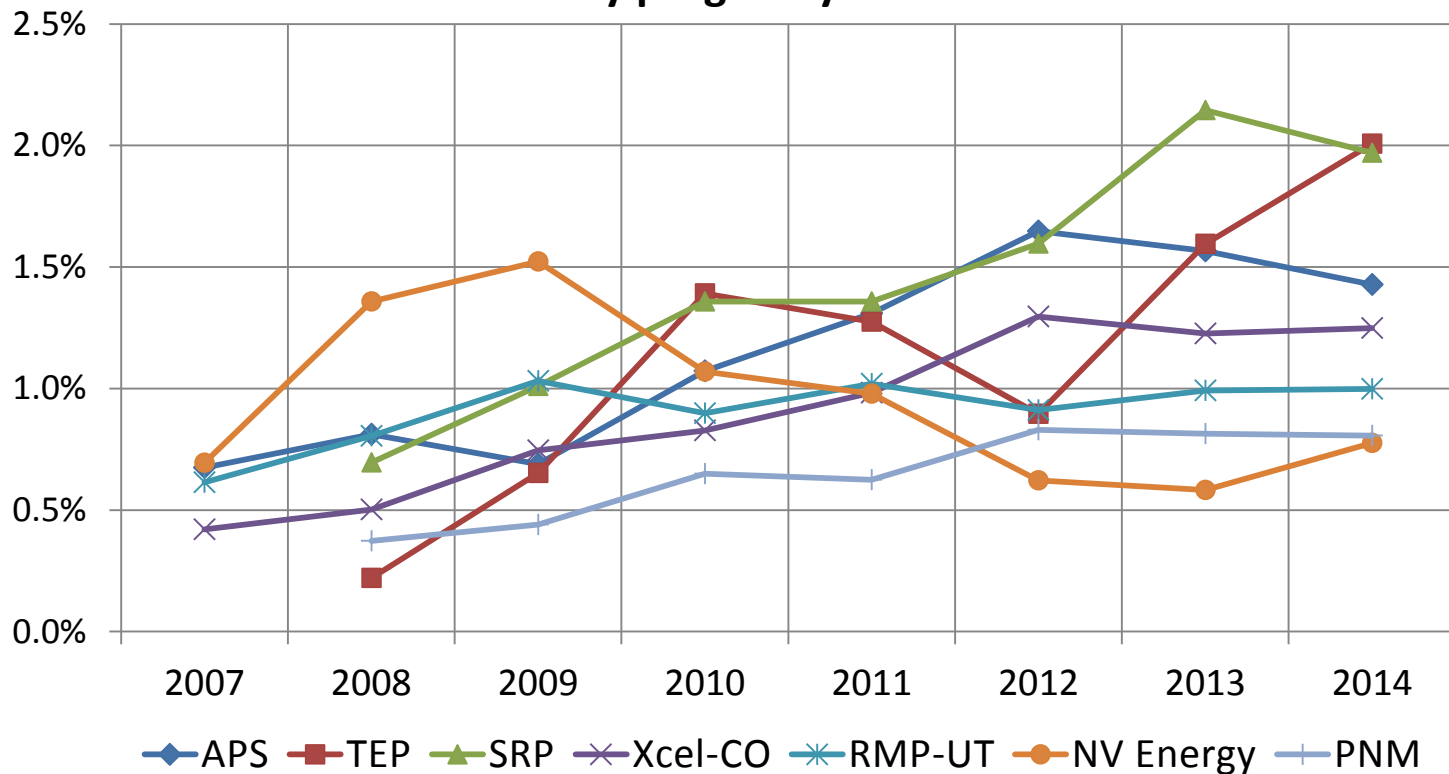
Sept. 21-22, 2015

Electric Utility DSM Program Spending Trends in the Southwest

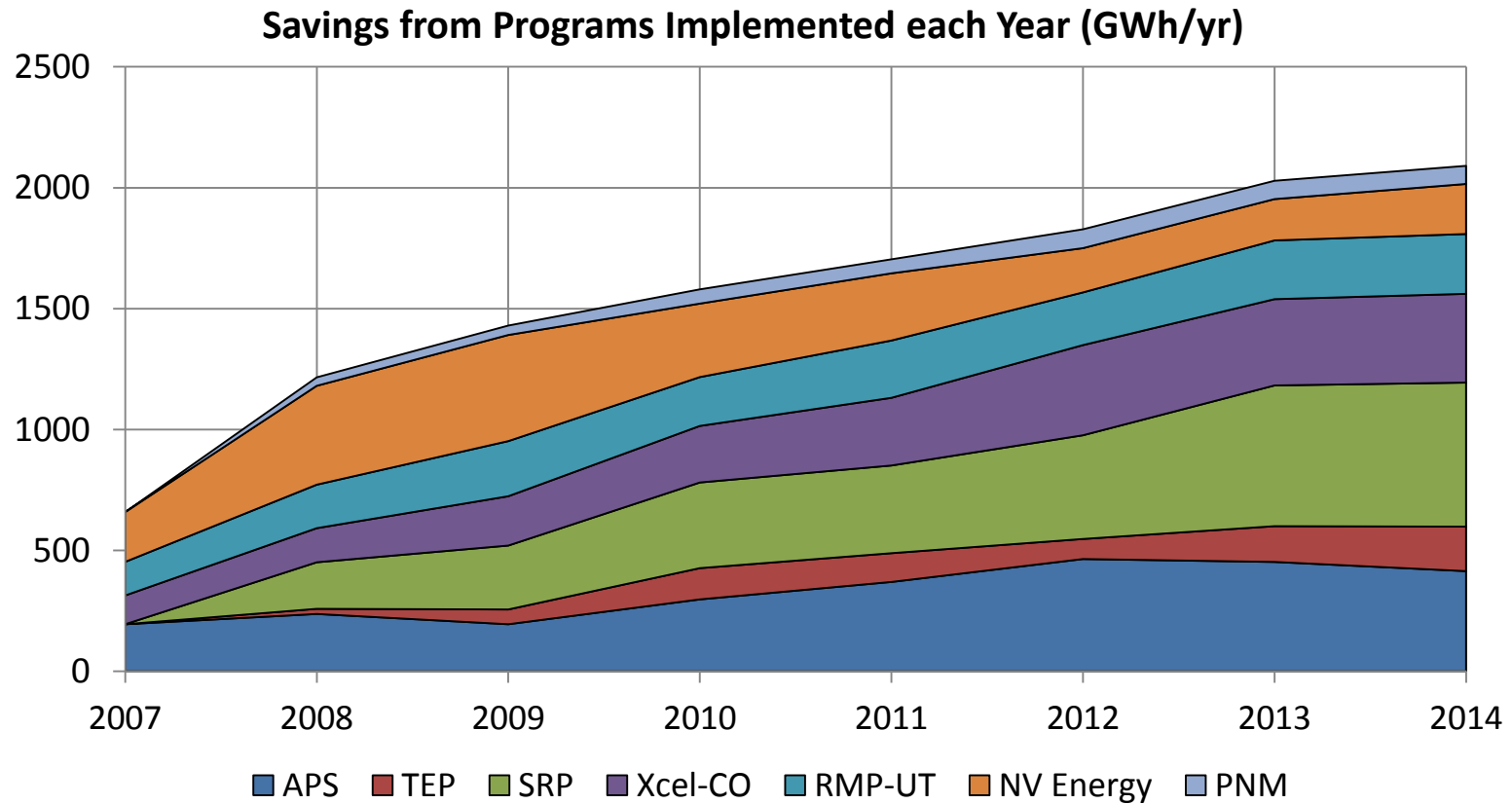
State	Electric DSM Program Spending (million \$ per year)							
	2002	2004	2006	2008	2010	2012	2014	2015 (est.)
AZ	4	4	19	45	94	130	126	130
CO	11	21	18	28	66	96	96	112
NV	3	11	30	55	46	39	52	59
NM	1	1	1	10	24	28	34	41
UT	9	16	27	36	51	47	82	64
WY	~0	~0	~0	~0	3	4	5	6
Region	29	54	95	174	284	343	395	412

First Year Savings as a Fraction of Retail Electricity Sales

Annual Energy Savings as a % of Retail Sales,
by program year



Electric Utility Energy Efficiency Program Trends in the Southwest



SWEEP:

Dedicated to More Efficient Energy Use in the Southwest

Resources available online at:

www.swenergy.org

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