

LIVING UP TO ITS POTENTIAL: INDUSTRIAL ENERGY EFFICIENCY IN THE MIDWEST

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ACEEE 2015 Summer Study on Energy Efficiency in Industry

Midwest Energy Efficiency Alliance (MEEA)

 MEEA is a collaborative network whose purpose is to advance energy efficiency to support sustainable economic development and environmental preservation.



• Founded in 2000 to bring strategic partners together to improve market conditions for energy efficiency.



MEEA Membership





Objectives

Explore Industrial EE in the Midwest – which states/utilities are the biggest players?

Examine impact of Industrial/C&I efficiency programs on the cost-effectiveness of utility EE portfolios

Consider the effects of new Industrial Opt-Out policies on EE portfolios

Discuss what could enhance understanding of Industrial EE in the Midwest



Industrial EE is Important in the Midwest





Top Industrial EE Program Administrators in the Midwest





Top Industrial EE Program Administrators in the Midwest





These **10 program administrators** account for



*out of 79 Midwestern program administrators that reported non-zero Industrial Incremental EE savings on 2012 EIA-861

**out of 192 Midwestern program administrators that reported non-zero Total Incremental EE savings on 2012 EIA-861



Some Factors that Influence C&I Cost-Effectiveness

High C&I Cost-Effectiveness Reduced marketing costs Higher level of Participant investment



C&I is More Cost-Effective





No "Low Hanging Fruit" Problem for C&I Portfolios





The Source on Energy Efficiency ¹¹

Top Industrial EE Program Administrators in the Midwest









Magnitude of Lost Savings

In Ohio and Indiana, we have seen the following general trends in opt outs in current utility DSM Plan filings:

- 50-80% of eligible customers opted-out
 - Up to 65% of C&I sales
 - Up to 45% of total customer sales

Planned C&I energy efficiency savings reduced about 50% over previous impacts



Negative Impacts of Opt-Out

Reduces overall amount of energy saved

Loss of knowledge and data – utilities report EE spend & savings; opted-out companies don't report anything

Portfolio costs all borne by residential & small business customers

Reduces potential of efficiency as a path for Clean Power Plan compliance

Less cost-effective programs are a higher percent of overall portfolio

Reduced cost-effectiveness of portfolio



How Opt-Out Impacts the Overall Portfolio





Better Alternatives

Michigan	 2009 – 77 self-direct customers 2011 – threshold lowered 2013 – only 29 self-direct customers <i>"flexibility and comprehensive program options"</i> (MPSC 2012)
Minnesota	 Xcel's self-direct program for 2013 expected ten participants for electric and natural gas. In fact both had zero participants. <i>"customers gravitate to holistic, full-service programs"</i> (Xcel 2014)
lowa	• "the Board is not persuaded that allowing an opt-out is good public policy All utility customers, even those who do not directly participatebenefit from the avoided cost savings that are the primary goal of energy efficiency programs Iowa has a strong public policy of supporting and developing energy efficiency and the Board will not undermine Iowa's policy by allowing certain customers to opt-out of the energy efficiency paradigm" (IUB 2013)











Some of the Data, Some of the Time





How Do We Get Better Data?





Takeaways

Industrial EE is A Big Deal for the Midwest

C&I EE is the Most Cost-Effective Part of the Portfolio 5 of Top 10 Industrial PAs are losing about ½ of their Industrial EE

Opt-Outs Lose Energy Savings and Hurt Cost-Effectiveness Better Data Would Help Us Better Understand True Scale and Impacts



Upcoming Events

2016 Midwest Industrial EE Summit

Annual event held in partnership with Midwest Governors Association, DOE, and others

Details TBA

February 24, 2016 (preceding MES Conference) <image><section-header><text>

EDUCATION IMPACT INNOVATION LEADERSHIP MARKETING

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AWARDS





THANKS!

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