

## The American Council for an Energy-Efficient Economy (ACEEE) Nonprofit 501(c)(3) dedicated to advancing energy efficiency through research, communications, and conferences. Founded in 1980. ~40 staff in Washington DC, + field offices in DE, MI, and WI. · Focus on End-Use Efficiency in Industry, Buildings, Utilities, and Transportation; and State & National Policy • Funding: Foundations (34%), Federal & State Grants (7%), Contract work (21%) Conferences and Publications (34%), Contributions and Other (4%) Martin Kushler, Ph.D. (Senior Fellow, ACEEE) 30 years conducting research in the utility industry, including: 10 years as Director of the ACEEE Utilities Program 10 years as the Supervisor of the Evaluation section at the Michigan PSC Have assisted over a dozen states with utility EE policies ACEEE



















4 COMMON STATE POLICIES FOR ACHIEVING UTILIY EE EE Spending EE Savings							
		<u>(% revenues)</u>	(% of sales)				
1. Integr	ated Resource Planning (	IRP)					
40	states 'yes'	1.79	0.78				
10	states 'no'	1.53	0.50				
2. Decouping/Lost Revenue Recovery							
27	states 'yes'	2.04	0.85				
23	states 'no'	1.53	0.59				
3. Utility	3. Utility Shareholder Incentives						
25	states 'yes'	1.79	0.90				
25	states 'no'	1.66	0.50				
4. Energy Efficiency Resource Standard (EERS)							
26	states 'yes'	2.63	1.11				
24	states 'no'	0.76	0.30				
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KEY P NATIONAL DATA OVER ENERGY EFFICIENCY RE ARE EXTREA (e.g., produce nearly 4X th	EY POINT #3: VERWHELMINGLY SHOW THAT RESOURCE STANDARDS (EERS) REMELY EFFECTIVE X the savings national data below) EE spending as EE savings as				
	EE spending as a % of Revenues	EE savings as a % of Sales			
States with EERS (n=26) States w/o EERS (n=24)	2.63 0.76 (p<.001)	1.11 0.30 (p<.001)			
ACEEEE: Arentran Douroil for an Evergy-Efficient Economy					



	A COMPREHENSIVE APPROACH (EERS PLUS INCENTIVES AND DECOUPLING) CLEARLY PRODUCES THE STRONGEST RESULTS					
	Policy	No. of States	Average EE investment as % of revenues	Average EE savings as % of sales		
	EERS, plus Incentives and Decoupling	8	4.0	1.5	000	
_	Partial set of policies	42	1.3	0.6		
10						
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UNDERSTANDING UTILITY ECONOMICS REGARDING CUSTOMER ENERGY EFFICIENCY <u>TWO KEY FINANCIAL MOTIVATING FACTORS</u>: 1) **Drive to increase sales revenues** - - Under traditional regulation, once rates are set, if utility sales go up the utility's profits generally increase.... .... and if utility sales go down (e.g., through customer energy efficiency) the utility's profits decline. Therefore, utilities have strong economic incentives to seek greater energy sales and avoid declines in sales [This is sometimes referred to as: "throughput addiction". Affects ALL utilities, whether traditional vertically integrated or "restructured"]<sub>3</sub>









