



# EM&V: Concepts, Definitions, and Context

ICC Policy Session  
February 27, 2017



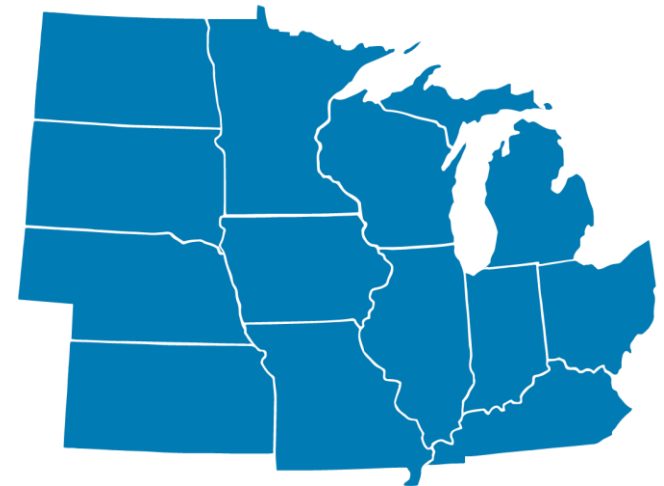
# About MEEA

## *The Trusted Source on Energy Efficiency*

We are a nonprofit membership organization with **160+ members**, including:

- Utilities
- Research institutions
- State and local governments
- Energy efficiency-related businesses

As the key resource and champion for energy efficiency in the Midwest, MEEA helps a diverse range of stakeholders understand and implement cost-effective energy efficiency strategies that provide economic and environmental benefits.



# What is EM&V and M&V 2.0

## The Counterfactual

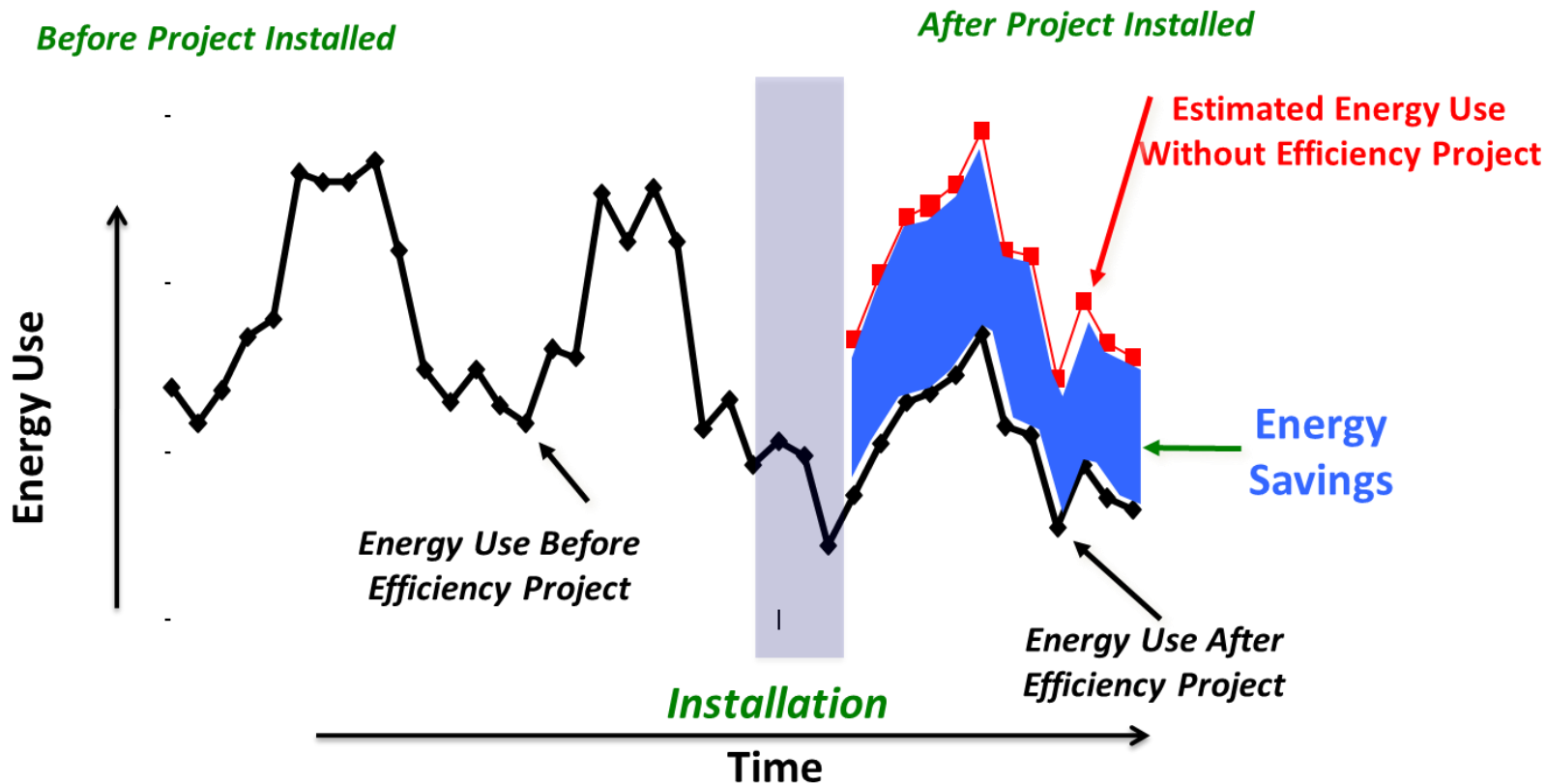


Image Source: Lawrence Berkeley National Lab

# EM&V Is Part Of A Process

*Planning, Implementation, Evaluation*

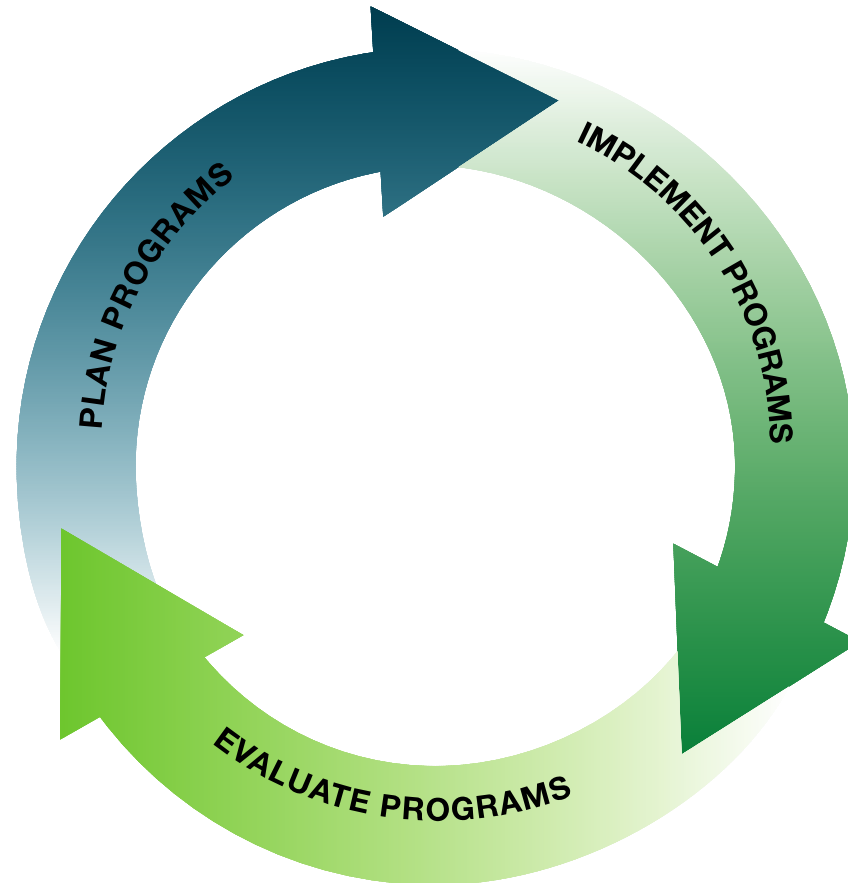


Image Source: Lawrence Berkeley National Lab

# Key Terms

## EM&V

- Impact Evaluations
- Deemed Savings
- Technical Reference Manuals
- Net to Gross

# National Perspective

Statewide TRMs		
Arkansas	Massachusetts	Ohio <sup>^</sup>
California	Michigan	Pennsylvania
Connecticut	Minnesota	Rhode Island
Illinois	Missouri*	Texas
Indiana <sup>^</sup>	New Jersey	Vermont
Iowa*	New York	Wisconsin

# National Perspective

Regional TRMs		
Region	States	Administrator
Mid-Atlantic	Maryland, Delaware, DC	Northeast Energy Efficiency Partnership
Northwest	Idaho, Montana, Oregon, Washington	Regional Technical Forum

# Net or Gross Savings

Summary of Net vs. Gross in the Midwest			
State	Net or Gross Reported	Measures Free-Riders	Measures Spillover
Illinois	Net	✓	Partial/Sometimes
Indiana	Both	✓	✓
Iowa	Both	✓	
Kansas	Net	✓	
Kentucky	Both	varies by utility	
Michigan	Net	✓	✓
Minnesota	Gross		
Missouri	Both	✓	✓
Nebraska	Varies by utility		
North Dakota	No program reporting has been identified in North Dakota		
Ohio	Gross		
South Dakota	Varies by utility		
Wisconsin	Both	✓	✓



Thank you!

*Julia Friedman*

*Midwest Energy Efficiency Alliance*

*[jfriedman@mwalliance.org](mailto:jfriedman@mwalliance.org)*

