



RESNET CONFERENCE

ATTRIBUTING BUILDING ENERGY CODE SAVINGS TO ENERGY EFFICIENCY PROGRAMS

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Richard Faesy, Energy Futures Group

Energy Futures Group Consulting

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Areas of Expertise

- Policy Development
- Program Design
- Building Codes
- Evaluation
- Cost-Effectiveness

Range of Clients

- Government Agencies
- Advocates
- Regulators
- Utilities

Clients in 15 states/provinces plus regional, national and international organizations.

Presentation Overview

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1. The relationship between utilities and energy codes
2. The concept of code savings attribution
3. State examples
4. Opportunities for advocacy
5. Q&A

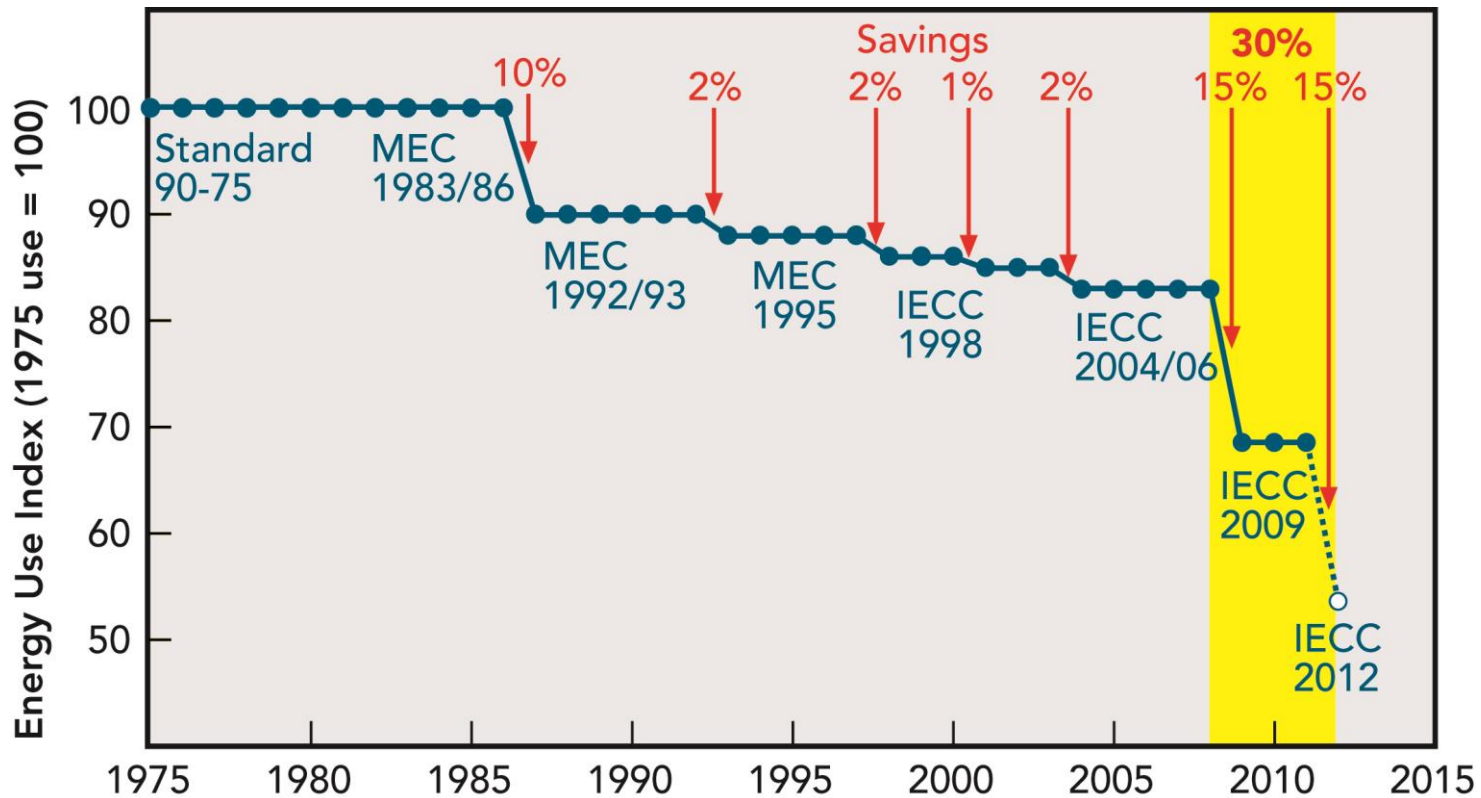
Energy Codes in a Utility Program Environment

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- Many utilities (PAs) have supported energy codes as part of Residential New Construction programs
- Most have not claimed savings for supporting energy codes
- Natural disincentive to support increased compliance or adoption of more stringent codes
- As baselines rise (through compliance & new codes):
 - ▣ Less savings available
 - ▣ More expensive to capture
 - ▣ Programs become less “cost-effective”
- So, why should utilities support better energy codes?

Energy Code Trends

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Source: PNNL

New Utility Savings Paradigm

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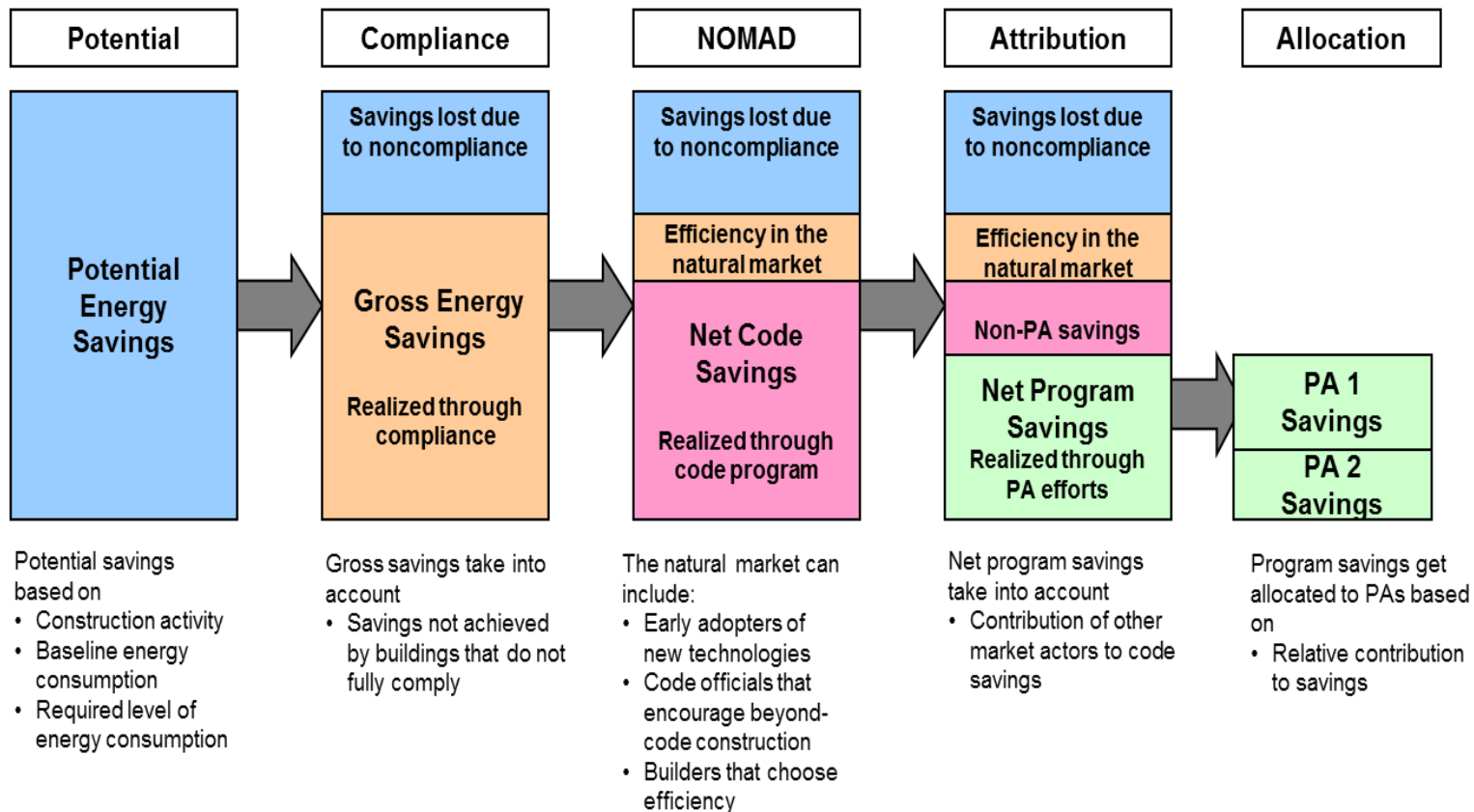
- If utilities can *claim* savings from supporting codes, they will want to support (and not resist) more stringent energy codes and code compliance
- Savings options:
 - ▣ Changes in compliance rates
 - ▣ Adoption of energy codes that are:
 - ▣ More stringent
 - ▣ Adopted sooner than would have occurred otherwise
 - ▣ Implementation of “stretch codes”
 - ▣ Building energy codes *and* appliance standards

Code Savings Attribution to Utilities/PAs

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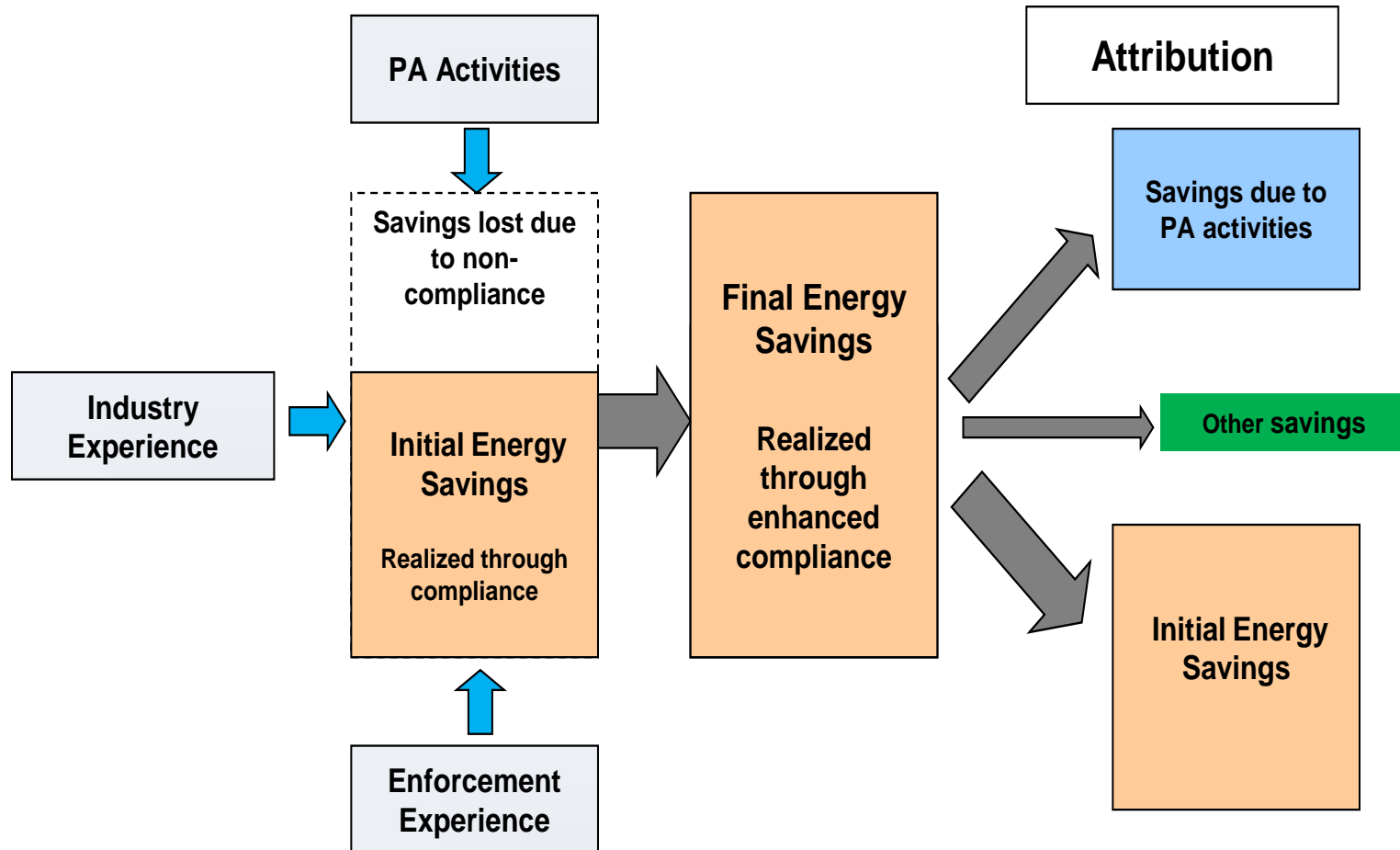
PA efforts can affect::

- Potential savings through measures and stringency of adopted code
- Gross savings through level of code compliance



Savings to Utilities/PAs

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States Where Code Savings Count

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- California***
- Arizona***
- Rhode Island***
- New York***
- Oregon***
- Washington***

Rhode Island

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1. Code compliance support
 - ▣ Trainings
 - ▣ Technical assistance energy code circuit riders
 - ▣ Support for third-party inspections
 - ▣ Documentation tools
2. Appliance standards development & advocacy
3. Development of voluntary “stretch” codes
4. Base (IECC) code advocacy

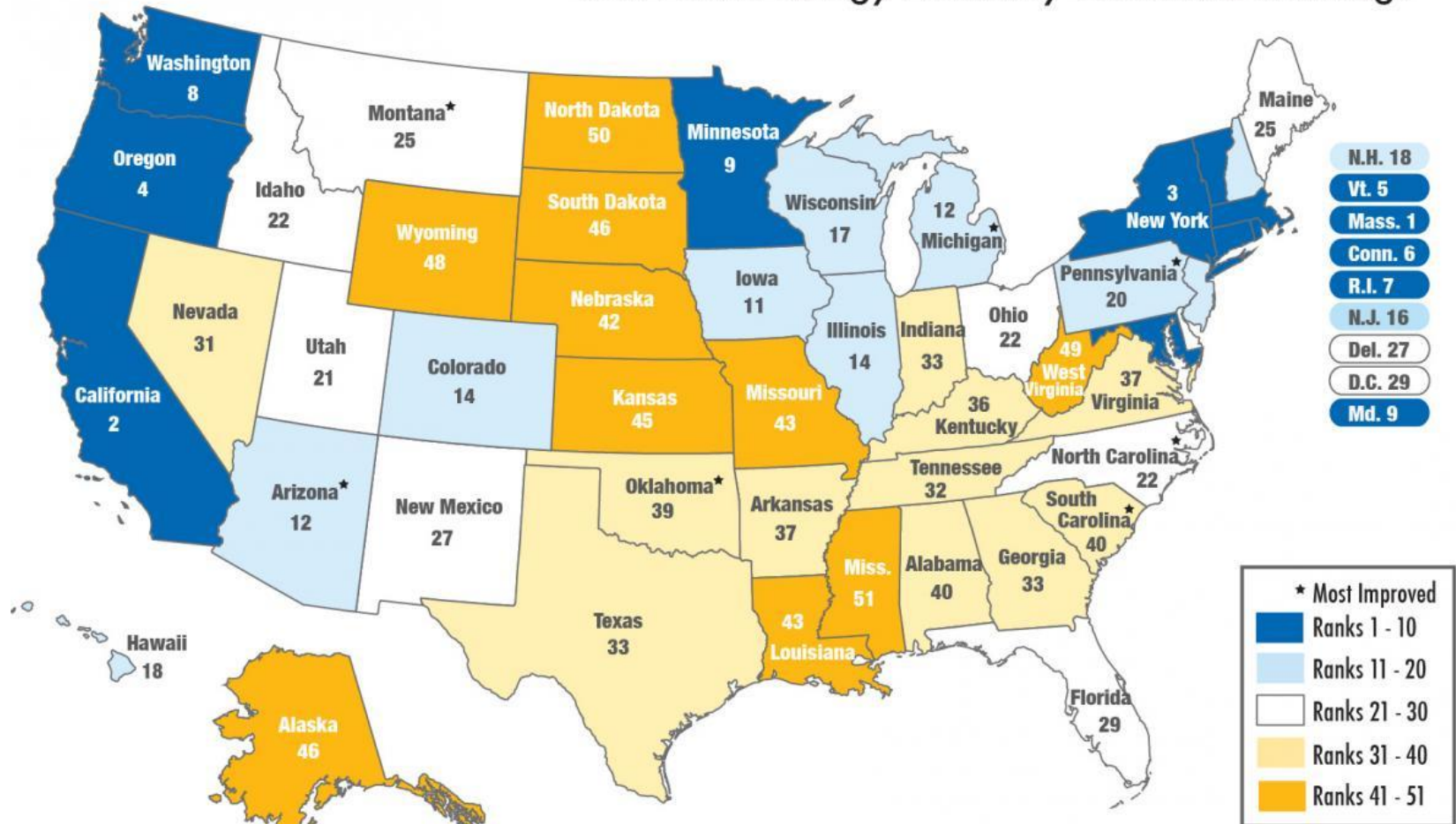
Advocate for Code Savings Attribution

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- Utilities
- Regulators (PUC)
- Energy Office
- Local Energy Advocates
- Legislators

States More Likely to Consider Savings Attribution Policies

2012 State Energy Efficiency Scorecard Rankings



Source: American Council for an Energy-Efficient Economy

NEEP Report

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THE
CADMUS
GROUP, INC.

**Attributing Building
Energy Code Savings
to Energy Efficiency
Programs**

<http://neep.org/emv-forum/forum-products-and-guidelines#codes>

Q&A

Richard Faesy

Energy Futures Group

rfaesy@energyfuturesgroup.com

Phone: 802-482-5001 x2

Cell: 802-355-9153

