#### **Stimulating Energy Efficiency Action**



Energy Efficiency & Renewable Energy



NASEO Annual Meeting San Antonio, Texas September 14, 2011

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Energy Efficiency & Renewable Energy

- DOE sought applications from states to achieve an annual minimum electricity savings target of 1%
  - FOA issued 04/09/2010, awards made ~09/30/10
  - Cooperative agreement between DOE and states
- Focus: helping states that are not harvesting low-cost energy efficiency resources become leaders in reducing energy use (states that have achieved less than 0.5% savings relative to electricity sales and/or States that have invested <1% of total electricity or gas revenues in energy efficiency\*)
- FOA Area of Interest repeated for FY 2011 competitive funds.

\* From the ACEEE 2009 State Energy Efficiency Scorecard

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- Builds on the National Action Plan for Energy Efficiency Vision for 2025
- Investment in cost-effective EE for the long term
- Establishment of statewide electricity savings goal min. 1%
- Policy and program framework to achieve goal
- Suite of ratepayer-funded EE programs
- Frameworks generated through inclusive stakeholder process



# National Action Plan for Energy Efficiency

- Released on July 31, 2006 at the National Association of Regulatory Utility Commissioners meeting
- Goal was to achieve all costeffective energy efficiency by 2025
- Successes:
  - 60 member public-private
     Leadership Group developed five
     key policy recommendations
  - Commitments to energy efficiency made by over 120 organizations
  - Released a suite of resources, including the <u>Vision for 2025</u>
- US DOE & US EPA facilitated
- Concluded in 2010
- http://www.epa.gov/cleanenergy/e nergyprograms/suca/resources.html

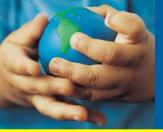
### National Action Plan for Energy Efficiency Recommendations

- 1. Recognize energy efficiency as a highpriority energy resource.
- 2. Make a strong, long-term commitment to implement cost-effective energy efficiency as a resource.
- 3. Broadly communicate the benefits of and opportunities for energy efficiency.
- 4. Provide sufficient, timely and stable program funding to deliver energy efficiency where cost-effective.
- 5. Modify policies to align utility incentives with the delivery of cost-effective energy efficiency and modify ratemaking practices to promote energy efficiency investments.



# The Action Plan's Vision for 2025

- Released in 2007, updated in 2008 to measure progress
- Long-term Aspirational Goal: To achieve all cost-effective energy efficiency by the year 2025
- Framework for implementing Action Plan recommendations
  - Puts the 5 recommendations into Action
  - Is a living document; open to new ideas and refinements
  - Is a plan need to know where you want to go in order to get there
  - A challenge for new thinking
- 10 Implementation Goals & 28 Policy Steps
  - Action needed over next 10-15 years to help lay policy foundation by 2025
  - Action encouraged by various parties, utilities, utility regulators, state legislatures, governors, energy offices, air offices, and all stakeholders
- Provides an approach to measure progress
- Not a mandate; respects state processes not one size fits all



# Action Plan Documents to Assist in Exploring Policy Options

Vision for 2025 Implementation Goal	Related Action Plan Resources	
1: Establishing Cost-Effective Energy	- Guide on Potential Studies	
Efficiency as a High-Priority Resource	- Guide on EE Resource Planning	
2: Developing Processes to Align Utility and Other Program Administrator Incentives Such That Efficiency and Supply Resources Are on a Level Playing Field	- Issue Paper on Aligning Utility Incentives	
3: Establishing Cost-Effectiveness Tests	- Discussed throughout Action Plan Guides	
	- Detailed Issue Paper on Understanding Cost-effectiveness of Efficiency Programs	
4: Establishing Evaluation, Measurement, and Verification Mechanisms	- Guide on Model EM&V	
5: Establishing Effective Energy Efficiency Delivery Mechanisms	- Program Best Practice Information	
	- Executive Briefing on Customer Incentives	
	Through Program Design	
	- Rapid Deployment EE Toolkit 6	



# Action Plan Documents to Assist in Exploring Policy Options (cont'd)

Vision for 2025 Implementation Goal	Related Action Plan Resources	
6: Developing State Policies to Ensure	- Fact Sheet on Role of Building Codes	
Robust Energy Efficiency Practices	- Lead-by-Example Guide	
	- EE Program and Codes Paper	
7: Aligning Customer Pricing & Incentives to Encourage Investment in Efficiency	<ul> <li>Executive Briefing on Customer Incentives</li> <li>Through Rate Design</li> </ul>	
8: Establishing State of the Art Billing Systems	- Utility Best Practices Guidance for Providing Customers with Energy Use and Cost Data	
9: Implementing State of the Art Efficiency Information Sharing & Delivery Systems	<ul> <li>Issue Paper on Coordinating EE and DR Programs</li> </ul>	
10: Implementing Advanced Technologies	<ul> <li>Scoping presentation on Most Energy Efficient Economy</li> </ul>	
Related Policy: Emissions Reductions	- EE as low-cost resource for carbon emissions reductions	



# Regulatory Assistance Project State Inventory of EE Policies

- RAP's research staff has compiled a state-by-state inventory of energy efficiency policies throughout the US, tracking recommendations contained in the National Action Plan for Energy Efficiency as well as other policy areas of interest.
- Information on resource planning, Energy Efficiency Resource Standards, decoupling, incentives, energy efficiency cost-recovery and cost-effectiveness tests are among the areas analyzed in the state inventory lists, which are updated through 2009.

http://www.raponline.org/featured-work/rap-offers-state-by-state-analysis-ofenergy-efficiency

# Cooperative Agreement Between DOE and Selected States

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- Financial assistance is a cooperative agreement (not a grant) between DOE and the state. DOE has "substantial involvement" to:
  - Review action plans and recommend alternate approaches
  - Determine whether benchmarks have been achieved to warrant continued phased funding
  - Integrate the project efforts with EERE programmatic goals
  - Promote and disseminate program results
  - Provide technical assistance for issues that develop during policy and program design and implementation
- Two funding phases (phase 2 funding provided upon states' successful achievement of agreed-upon benchmarks in phase 1):
  - 1. Establish an statewide energy savings goal of at least 1% through EE and develop action plan to achieve goal
  - 2. Implement the action plan to achieve the established goal

State	Recipient	Funding	Contacts
Texas	Texas State Energy Conservation Office	\$500,000	Pam Groce Dub Taylor
Mississippi	Mississippi Development Authority – Energy Division	\$500,000	Motice Bruce Janis Hill
Kentucky	Kentucky Department for Energy Development and Independence	\$500,000	Lee Colton Greg Guess John Davies
Alaska	Alaska Housing and Finance Corporation and Alaska Energy Authority	\$700,000	Katie Conway Sean Skaling Scott Waterman
Puerto Rico	Puerto Rico Energy Affairs Administration	\$659,965	Damarys Gonzalez Luis Bernal
Total :		\$2.86 MM	

## **General Project Phases**





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## Past Webcasts

- National Action Plan for Energy Efficiency Vision for 2025 A
   Framework for Change (Presenter: Stacy Angel, US EPA)
- The Role of Public Utility Commissions in Energy Efficiency Program Delivery (Presenter: Rich Sedano, RAP)

## Upcoming Webcast Topics

- Engaging stakeholders around energy efficiency
- Conducting energy efficiency potential studies
- Energy efficiency goal setting
- Evaluation, measurement and verification of energy savings
- Strategic energy planning

Presentations are available at

http://www1.eere.energy.gov/wip/solutioncenter/webcasts/default.html

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