

SEE Action

STATE ENERGY EFFICIENCY ACTION NETWORK

Overview of the State and Local Energy Efficiency Action Network

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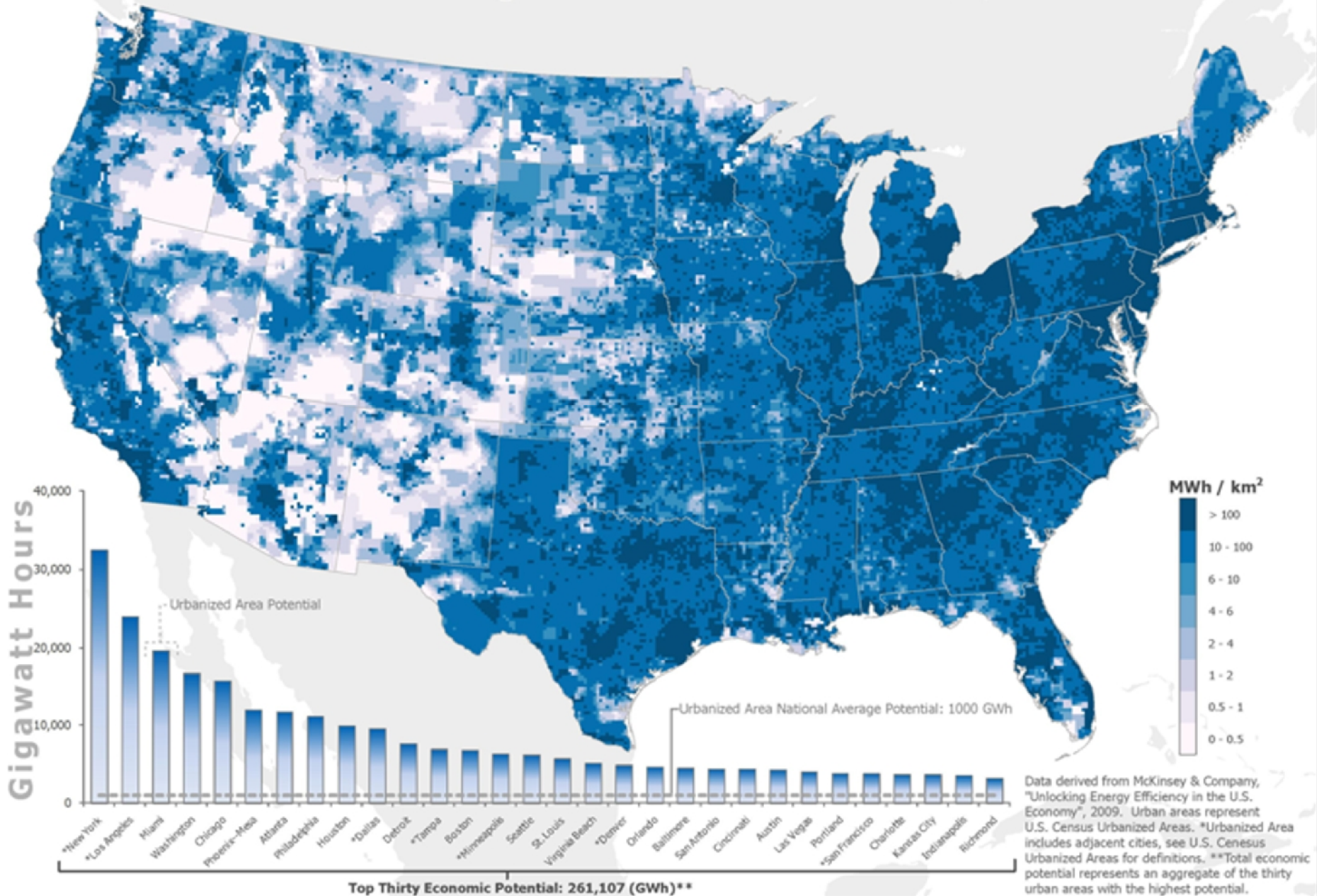
Coordinator, SEE Action Network

US Department of Energy

Electricity Energy Efficiency

Total Economic Potential Savings - 2020

Date: 06-21-2010; Map Authors: Anthony Lopez & Seung-Jae Lee
 Map produced by NREL for the U.S. Department of Energy



Data derived from McKinsey & Company, "Unlocking Energy Efficiency in the U.S. Economy", 2009. Urban areas represent U.S. Census Urbanized Areas. *Urbanized Area includes adjacent cities, see U.S. Census Urbanized Areas for definitions. **Total economic potential represents an aggregate of the thirty urban areas with the highest potential.

Achieving the Potential

- EE remains one of the most cost effective¹ ways to address challenges
 - High consumer energy prices
 - Fuel price volatility
 - Transmission and distribution infrastructure expansion costs
 - Localized system reliability
 - Environmental and public health costs of GHGs and air pollution
 - National energy security and independence
- Cost-effective EE can play a significant role in meeting energy requirements and save hundreds of millions of dollars²
 - \$50B/year² cost-effective investment potential; at height of Recovery Act investment was approx. half of potential. **Not yet achieving full potential**
- Decision makers can benefit from information on best practice approaches to overcoming barriers to greater investment in EE

¹Average cost of efficiency savings ~ 4.6 cents per kWh including participant costs. ACEEE, *Saving Energy Cost-Effectively: A National Review of the Cost of Energy Saved Through Utility-Sector Energy Efficiency Programs*

²McKinsey, *Unlocking EE in the US Economy*



The SEE Action Network

Goal: achieve all cost-effective energy efficiency by 2020

- Successor to the National Action Plan for Energy Efficiency
- State- and local-led initiative to take energy efficiency to scale through state and local policies and programs, facilitated by US DOE and US EPA
- Information resources to support agents of change
 - City and county leaders
 - State energy officials, policymakers, utility regulators
 - Utilities and other implementation partners

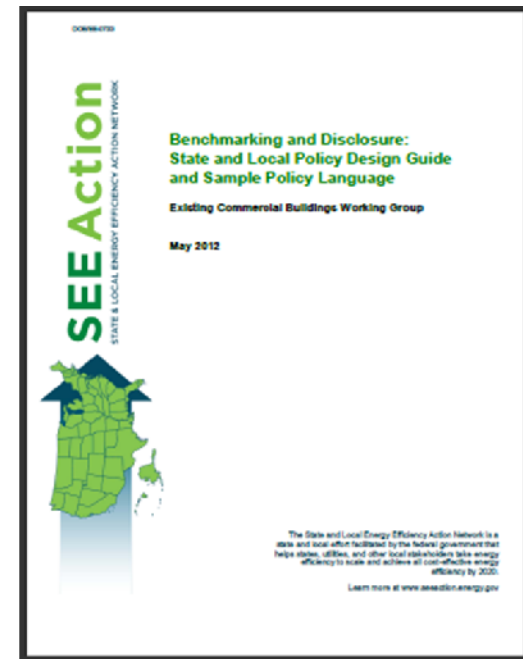


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What SEE Action Offers

- Decision-grade guidance documents based on state and local experience
 - Best practices & model policies
 - Successful approaches
 - Recommendations
 - What's working
- Discussion forums to identify solutions to known barriers
- Technical assistance from the best subject matter experts in the country



How SEE Action Works

Working Groups
decision
information
based on s
exper

Working Groups **educate**
and engage with state
and local decision
makers through Network
connections

Working Groups support
decision maker action
with expert technical
assistance and peer
exchanges



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SEE Action Leadership

Executive Group of more than 30 executive leaders from state and local governments, associations, business, NGOs, and others provide vision and strategic direction.

Eight Working Groups develop resources and engage with state and local decision makers to provide support.



Working Group Co-Chairs

Working Group	Co-Chairs
Residential Retrofit	Susan Ackerman, OR PUC Frank Murray, NY SEO
Existing Commercial Buildings	Jim Gallagher, NY ISO Janet Streff, MN SEO
Industrial Energy Efficiency and CHP	Todd Currier, WA SEO Joshua Epel, CO PUC
Evaluation, Measurement & Verification	Pat Oshie, WA PUC Malcolm Woolf, MD SEO
Financing Solutions	Bryan Garcia, CT Clean Energy Fund Keith Welks, PA Treasury
Ratepayer-Funded Efficiency	Jennifer Easler, IA Consumer Advocate Cheryl Roberto, OH PUC
Customer Information and Behavior	Vaughn Clark, OK SEO Phyllis Reha, MN PUC



SEE Action Executive Group

Executive Group Co-Chairs

Dave Danielson, US DOE EERE

Pat Hoffman, US DOE OE

Gina McCarthy, US EPA OAR

Amy Royden-Bloom NACAA

Chuck Gray NARUC

David Terry NASEO

Debra DeHaney-Howard USCM

Derek Murrow Environment Northeast

Dian Grueneich Dian Grueneich Consulting

Don Gilligan NAESCO

Ed Wisniewski CEE

Gene Rodrigues Southern California Edison

Glen Andersen NCSL

Greg Bergtold Dow Chemical Company

Jared Lawrence Duke Energy

Jennifer Easler IA Office of Consumer Advocate

Kateri Callahan Alliance to Save Energy

Kit Kennedy NRDC

Larry Downes NJ Resources

Len Peters KY Energy & Environment Cabinet

Lisa Jacobson Bus. Council for Sustainable Energy

Lisa Wood Institute for Electric Efficiency

Malcolm Woolf Maryland Energy Administration

Mary Ann Ralls NRECA

Patrick Hays City of North Little Rock, AR

Paula Gant American Gas Association

Rebecca Craft Consolidated Edison

Rick Tempchin Edison Electric Institute

Sandra Byrd Arkansas Electric Cooperative Corp.

Steve Nadel ACEEE

Sue Gander NGA Center for Best Practices

Tony Clark North Dakota Public Service Commission

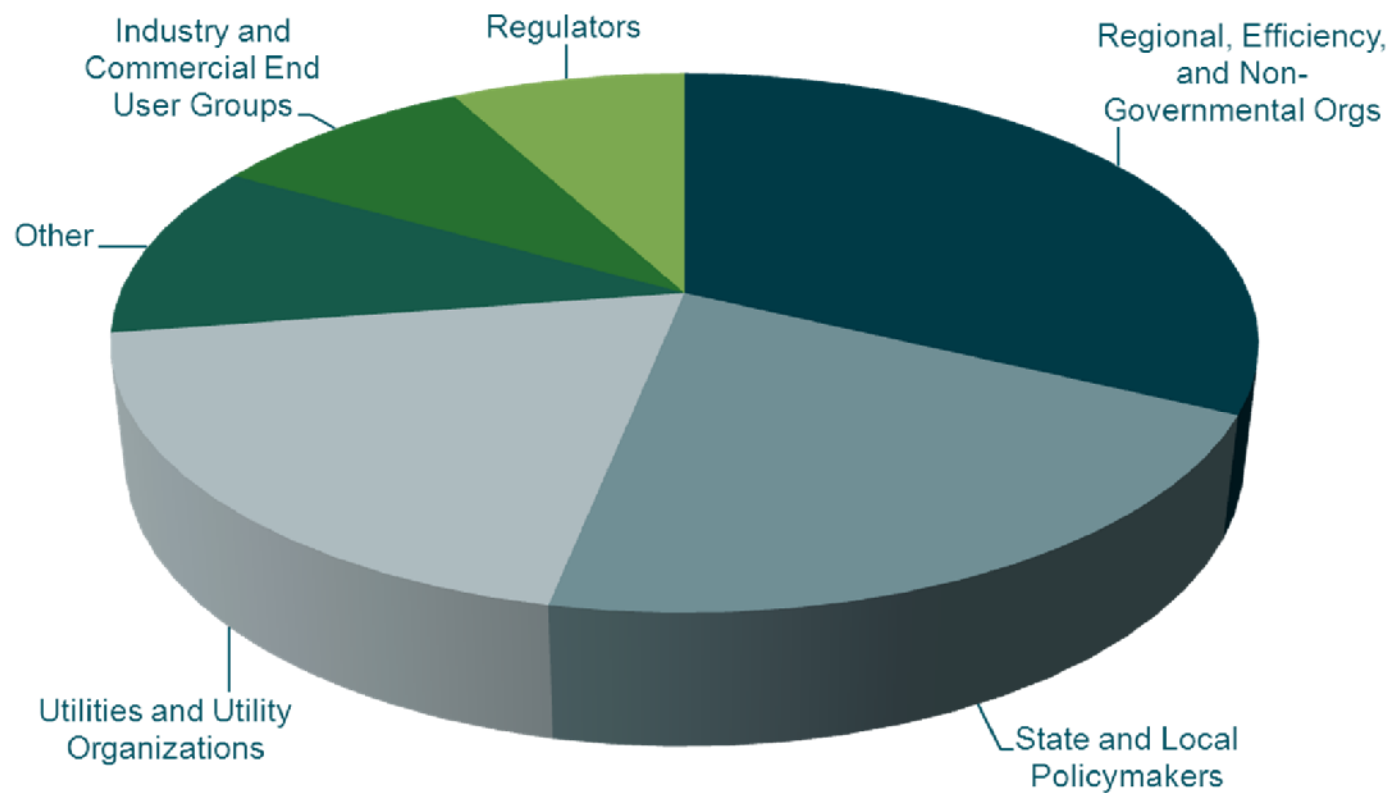
Ursula Schryver American Public Power Association

Valerie Brown Sonoma County Board of Supervisors



Network Membership

Over 200 professionals representing over 130 organizations



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Guidance Documents – Available Now

Benchmarking and Disclosure: State and Local Policy Design Guide and Sample Policy Language provides sample policy language based on a synthesis of existing state and local policies, and discussion on key provisions, for the design of a commercial benchmarking and disclosure policy to make building energy performance visible and enable energy and cost savings through increased efficiency.

Evaluation, Measurement, and Verification (EM&V) of Residential Behavior-Based Energy Efficiency Programs: Issues and Recommendations offers technically valid methods for state policymakers to estimate the energy savings from behavior-based energy efficiency programs.

Using Integrated Resource Planning to Encourage Investment in Cost-Effective Energy Efficiency How state policy can promote cost-effective energy efficiency by requiring or encouraging utility planning processes that allow demand side resources to compete with supply-side resources.

Setting Energy Savings Targets for Utilities How electric and natural gas utilities can achieve greater efficiency through numeric energy savings targets.

Analyzing and Managing Bill Impacts of Energy Efficiency Programs: Principles and Recommendations provides policymakers with principles and recommendations to understand and manage concerns about bill and rate impacts resulting from requiring utilities to provide efficiency programs

Delivering Energy Efficiency to Middle Income Single Family Households provides successful approaches to middle income energy efficiency program design and implementation.



Guidance Documents – Coming Soon

Model Energy Efficiency Program Impact Evaluation Guide will provide guidance on model approaches for calculating energy, demand, and emissions savings resulting from energy efficiency programs. It describes several standard approaches that can be used for calculating savings, defines terms, provides advice on key evaluation issues, and lists efficiency evaluation resources.

Guide for Regulators and Utilities on Providing Customers with Energy Use Data will address technical and implementation considerations as utilities and regulators respond to increased demand for customer energy usage data access, including the emerging issues of cost allocation and data transfer standards.

Regulator’s Guide to Data Access and Privacy

Guidance on how states are approaching customer and third-party access to energy use information to drive energy efficiency savings while respecting privacy concerns.

Guide to the Successful Implementation of State Combined Heat and Power (CHP) Policies. This guide will provide state utility commissions with actionable information based on effective state strategies to assist them in implementing CHP policies.

Industrial Energy Efficiency (IEE) Best Practice Program Guide will inform policymakers, program administrators, commissioners, and industrial end-users on effective approaches to IEE program design.

Report on the Energy Efficiency Financing Needs of Financial Institutions and Customers will provide a detailed needs analysis of energy efficiency finance structures based on interviews with capital providers, originators, commercial/residential customers, and service providers.



Technical Assistance Providers



CLEAN ENERGY APPLICATION CENTERS



www.seeaction.energy.gov

5 Ways to Get Involved

1. Help spread the word
2. Read and share SEE Action guidance documents
3. Join the conversation at an upcoming event
4. Join or send referrals for working groups
5. Sign up for news alerts at www.seeaction.energy.gov



Thank You

Visit www.seeaction.energy.gov

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