Local Government Meet Up

5/09/2016
2:00 Welcome & Roll Call - Sarah Zaleski (DOE)
2:45 Engaging with Local Governments: Updates & New Resources – Jenah Zweig (DOE)
3:05 SEE Action Network and Local Governments - Eric Coffman (Montgomery County), Johanna Zetterberg (DOE)
3:30 Break
3:45 Roundtable Breakout Discussion
4:20 COP 21 Experiences & Next Steps - Brendan Shane (C40), Penni Redford (West Palm Beach)
4:45 General Feedback & Wrap-Up
5:00 Adjourn
What’s the story with the stickers?

- Utility Partnership around Data Access
- Outdoor Lighting
- Creative Financing
- Building Energy Efficiency Policies
- Water Savings Projects
Roundtable Breakout Discussions

Coordination across Departments
Cleveland & Arlington County
*Moderator: Adam Guzzo*

Organizational Strategies for Energy Efficiency Financing
King County & Pittsburgh
*Moderator: Joe Indvik*

Private Sector Engagement
Los Angeles, Atlanta & Seattle
*Moderator: John Jameson*

Operationalizing Energy & Sustainability Planning
Philadelphia & Chula Vista
*Moderator: Chris Cloutier*
Questions / Contact

Sarah Zaleski

202-287-1892
Sarah.Zaleski@EE.Doe.Gov
Informal Happy Hour/Dinner

5:30-8 at Front Page
1333 New Hampshire Avenue

Half mile south of hotel

Walk down Connecticut Ave. to Dupont Circle right around circle to New Hampshire Ave, restaurant on the left.
State and Local Energy Efficiency Action Network

Johanna Zetterberg
SEE Action Network Coordinator
Office of Energy Efficiency and Renewable Energy
US Department of Energy
About SEE Action

**Goal:** All cost-effective energy efficiency by 2020

- Network of 200+ leaders and professionals, led by state and local policymakers, bringing EE to scale at state & local levels
- Facilitated by DOE and EPA; successor to the National Action Plan for Energy Efficiency

The SEE Action Network is active in the largest areas of challenge and opportunity to advance energy efficiency
Why Energy Efficiency

- Least cost solution
- Energy resource at ½ cost of new supply
- Improves air quality
- Reduces all types of power-plant related emissions
- Yields policy bang-for-buck
- Energy cost savings, jobs, competitiveness
- Increases electric system reliability
- Increases economic development
- Lowers overall energy consumption on transmission & distribution systems
- Help meet state, local, federal & private sector goals

SEE Action
STATE AND LOCAL ENERGY EFFICIENCY ACTION NETWORK
www.seeaction.energy.gov
What SEE Action Does

Support on energy efficiency policy and program decision making for:

- Energy office directors, utility regulators, air directors
- Legislators, governors, mayors, county officials
- Consumer advocates, other stakeholders

Based on experience, a library of:
- Best practices
- Considerations for decision making
- Analysis of current approaches
Audiences
SEE Action Guidance Documents

- Produce superior results against benchmarks and alternatives
- Demonstrate energy and cost savings that are well understood
- Are proven, documented, and verifiable using robust data & rigorous criteria
- Meet approval of national-caliber Subject Matter Experts in field of practice
A Unique and Effective Effort

The great thing about SEE Action is that they are leveraging the expertise of a diverse group of stakeholders to develop valuable resources that can help any stakeholder gain a better understanding of these issues and barriers, as well as potential solutions.

Often there are no quick fixes or absolute best practices, but the SEE Action materials and events can help you gain a better understanding of key considerations very quickly. If you are actively engaged in energy efficiency policy, you should definitely have SEE Action on your radar.

Anne-Marie Peracchio
Director, Conservation and Affordability
New Jersey Natural Gas
Network Membership and Structure

Over 200 professionals representing over 130 organizations

Executive Group
- Provides visionary leadership, strategic direction, and drive to meet goals

Working Group Co-Chairs
- Oversee development and dissemination of information resources for state/local leaders

Working Group Members
- Provide technical expertise to ensure quality; help shape Working Group goals & activities

www.seeaction.energy.gov
SEE Action Leadership: Executive Group

Al Skodowski  Transwestern  
Clay Nesler  Johnson Controls  
Greg White  NARUC  
David Jacot,  Los Angeles Dept of Water & Power  
David Terry  NASEO  
Debra DeHaney-Howard  USCM  
Dian Grueneich  Stanford Precourt Center  
Don Gilligan  NAESCO  
Ed Wisniewski  CEE  
Gene Rodrigues  ICF International  
Glen Andersen  NCSL  
Greg Bergtold  Dow Chemical Company  
Jennifer Easler  IA Office of Consumer Advocate  
Kateri Callahan  Alliance to Save Energy  
Derek Murrow  Natural Resources Defense Council  

Larry Downes  NJ Resources  
Lisa Jacobson  Bus. Council for Sustainable Energy  
Adam Cooper  IEE – Innovation, Electricity, Efficiency  
Malcolm Woolf  Advanced Energy Economy  
Mary Ann Ralls  NRECA  
Nancy Seidman,  MA Dept of Environmental Protection  
Ashley Duckman  American Gas Association  
Rick Tempchin  Edison Electric Institute  
Sandra Byrd  Arkansas Electric Cooperative Corp.  
Steve Bicker  Tacoma Power  
Steve Nadel  ACEEE  
Sue Gander  NGA Center for Best Practices  
Alex Hofmann  American Public Power Association  
Garrett Fitzgerald,  Urban Sustain. Directors Network  
David Springe,  NASUCA  
Susan Stratton,  Northwest Energy Efficiency Partnerships
## SEE Action Leadership: Working Groups

<table>
<thead>
<tr>
<th>Working Group</th>
<th>Co-Chairs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing Commercial Buildings</td>
<td><strong>Eric Coffman</strong>, Dept. of Environmental Protection, Montgomery County MD</td>
</tr>
<tr>
<td></td>
<td><strong>Carolyn Sarno</strong>, Northeast Energy Efficiency Partnerships</td>
</tr>
<tr>
<td>Industrial Energy Efficiency</td>
<td><strong>Todd Currier</strong>, Washington State University Extension Energy Program</td>
</tr>
<tr>
<td>and CHP</td>
<td><strong>Chad Smith</strong>, Ohio Air Quality Development Authority</td>
</tr>
<tr>
<td>Evaluation, Measurement &amp;</td>
<td><strong>Lauren Gage</strong>, Bonneville Power Administration</td>
</tr>
<tr>
<td>Verification</td>
<td><strong>Tom Eckman</strong>, Northwest Power and Conservation Council</td>
</tr>
<tr>
<td>Financing Solutions</td>
<td><strong>Bryan Garcia</strong>, Connecticut Green Bank</td>
</tr>
<tr>
<td></td>
<td><strong>Bruce Schlein</strong>, Citi</td>
</tr>
<tr>
<td>Customer Information and</td>
<td><strong>vacant</strong></td>
</tr>
<tr>
<td>Behavior</td>
<td><strong>Jessica Burdette</strong>, Minnesota Dept of Commerce, Div of Energy Resources</td>
</tr>
<tr>
<td>Residential Retrofit</td>
<td><strong>vacant</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Frank Murray</strong>, formerly NYSERDA</td>
</tr>
</tbody>
</table>
Publications Sample

- Benchmarking and Disclosure: State and Local Policy Design Guide and Sample Policy Language
- Energy Audits and Retro-Commissioning: State and Local Policy Design Guide and Sample Policy Language
- Energy Benchmarking, Rating, and Disclosure for Local Governments
- High-Performance Leasing for State and Local Governments
- Retro-Commissioning for State and Local Governments
- Strategic Energy Management for State and Local Governments
“Pathways” Paper

- About EE
  - Addresses multiple pollutants (including \( \text{CO}_2 \)) for state-specific reasons
  - Is an established energy resource
  - Saves money and is cost-effective

- Approaches to documenting energy savings and emission reductions

- Practical Considerations
  - Intergovernmental coordination
  - Workforce development

- Pathways – for each pathway:
  - Definition/description
  - Policies foundation for success
  - Brief case studies
  - Methods for estimating and determining energy savings
  - Expected range of energy savings and emissions reductions

- EE for low income communities

www.seeaction.energy.gov
Energy Efficiency Pathways

Ratepayer-Funded Programs

Industrial Efficiency

Combined Heat & Power

Energy Savings Performance Contracting

Building Energy Codes

City-Led Efficiency

www.seeaction.energy.gov
Considering Pathways

- How does it work?
- What are the benefits?
- Is policy action required?
- Show me some examples
- Who is doing it?
- What does it take to implement?
- What support is available?
- How are savings documented?
- What are they achieving?
- What are the best practices?
- Is it cost effective?

Energy Efficiency & Renewable Energy

U.S. DEPARTMENT OF ENERGY
New! Commercial Building Leadership Agenda
Thank You

Visit www.seeaction.energy.gov

Contact
Johanna Zetterberg
Coordinator, SEE Action Network
U.S. Department of Energy
202-288-7414
johanna.zetterberg@ee.doe.gov
Engaging with Local Governments: Updates & New Resources

Weatherization & Intergovernmental Programs Office

Jenah Zweig
Supervisor of Policy & Technical Assistance
Why Cities?

Cities consume approximately 70% of global energy.

Cities are projected to house approximately 60% of the global population by 2030.

EERE Vision, Mission, and Principles

**Vision**
A strong and prosperous America, powered by clean, affordable, and secure energy

**Mission**
To create and sustain American leadership in the transition to a global clean energy economy

**Organizational Principles**
- Economic Prosperity
- Affordability
- Reduced Environmental Impact
- Energy Security
- Consumer Choice
Weatherization & Intergovernmental Programs (WIP) Office

WIP activities are focused in three primary areas:

- **State Energy Program (SEP):** State-led energy projects serve as an important foundation for reducing energy use and costs, developing environmentally conscious state economies, and increasing renewable energy generation.

- **Weatherization Assistance Program (WAP):** State/local agencies carry out residential energy retrofits in low-income residences that reduce energy consumption while concurrently reducing energy costs for these families.

- **Policy & Technical Assistance (P&TA) Team:** Assists in developing tools and solutions to barriers facing state and local government expansion of energy efficiency policies and programs and replicating successful efforts demonstrated by public sector leaders.
# WIP Budget Summary

<table>
<thead>
<tr>
<th>Breakdown</th>
<th>FY 2015 Enacted</th>
<th>FY 2016 Enacted</th>
<th>FY 2017 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weatherization Assistance Program Grants (formula and competitive grants)</td>
<td>$190M</td>
<td>$212M</td>
<td>$225M</td>
</tr>
<tr>
<td>Training and Technical Assistance</td>
<td>$3M</td>
<td>$3M</td>
<td>$5M</td>
</tr>
<tr>
<td><strong>Total, Weatherization Assistance Program</strong></td>
<td>$193M</td>
<td>$215M</td>
<td>$230M</td>
</tr>
<tr>
<td>State Energy Program</td>
<td>$50M</td>
<td>$50M</td>
<td>$70M</td>
</tr>
<tr>
<td><strong>Cities, Counties &amp; Communities Energy Program</strong></td>
<td>-</td>
<td>-</td>
<td>$26M</td>
</tr>
<tr>
<td><strong>Total, Weatherization and Intergovernmental</strong></td>
<td>$243M</td>
<td>$265M</td>
<td>$326M</td>
</tr>
</tbody>
</table>
Better Buildings®
U.S. DEPARTMENT OF ENERGY

- Better Buildings Challenge
- Better Buildings Alliance
- Better Buildings, Better Plants
- Better Buildings Accelerators
- Better Buildings Residential
- Superior Energy Performance

- Developing Innovative, Replicable Solutions with Market Leaders

- Developing a Skilled Clean Energy Workforce
- Better Buildings Workforce Guidelines

- Building Performance Database
- Building Energy Data Exchange Specification
- New Financing Solutions
- Building Energy Asset Scoring Tool
- Home Energy Score
- Appraisal Foundation Memorandum of Understanding

- Leading by Example in the Federal Government
- New Executive Order
- President’s Performance Contracting Challenge
- DOE Leadership
Better Buildings Accelerators

http://betterbuildingssolutioncenter.energy.gov/accelerators
Energy Data Accelerator Data Toolkit

http://betterbuildingssolutioncenter.energy.gov/toolkits/energy-data-access-blueprint-action

SECTOR:
Commercial, Local Government, State Government, Utility

BARRIER:
Getting access to data and information

TOOL TYPE:
Toolkit

Toolkit: Energy Data Access: Blueprint for Action

Across the nation, building owners are measuring and tracking the energy performance of their buildings more than ever before. Known as energy benchmarking, this process helps building owners manage energy consumption and reduce wasted energy. Yet, many owners are prevented from benchmarking and making energy efficiency improvements because they cannot access simple energy information for tenant-occupied spaces within their buildings. Building owners can't manage what they can't measure.

MORE

TOOLS

Better Buildings Energy Data Accelerator Key Accomplishments and Results
As a result of best practices developed by the EDA, 18 utilities serving more than 2.6 million commercial customers nationwide will provide whole-building
Example of Accelerator Technical Assistance Tools

Energy Data Accelerator


JANUARY 2016
Outdoor Lighting Accelerator: Decision Tree Tool

http://betterbuildingssolutioncenter.energy.gov/accelerators/outdoor-lighting
New Accelerators

- **Clean Energy for Low Income Communities**: Develop plans to identify funding that will lead to the implementation of expanded installation of energy efficiency and distributed renewables in low income communities.

- **Combined Heat and Power for Resiliency**: Develop plans for communities to capitalize on CHP’s strengths as a reliable, high efficiency, lower emissions electricity and heating/cooling source for critical infrastructure.

- **Wastewater Infrastructure**: State, regional, and local agencies will work to improve the energy efficiency of water resource recovery facilities by at least 30 percent on their path to more sustainable infrastructure of the future.
Additional DOE Opportunities for Local Governments
CITIES LEADING THROUGH ENERGY ANALYSIS AND PLANNING

Now Accepting Applications for Funding Opportunity Announcement

READ MORE

The Cities Leading through Energy Analysis and Planning (Cities-LEAP) project delivers standardized, localized energy data and analysis that enables cities to lead clean energy innovation and integrate strategic energy analysis into decision making.

Cities-LEAP supports the widespread implementation of city-sponsored data-driven energy policies, programs, and projects that have the potential to drive a sea change in the national energy landscape. Through Cities-LEAP, cities will be able to:

- Set climate or energy goals
- Prioritize and implement energy strategies
- See the impacts of potential climate or energy action plans
- Learn from peers about city energy planning best practices
- Get access to credible data and transparent, usable analytic methodologies

Current funding opportunity available (DE-FOA 0001403):
https://eere-exchange.energy.gov/

More information:
http://energy.gov/eere/cities-leading-through-energy-analysis-and-planning
Interested communities can apply for designation using an online intake form at

www.SolSmart.org/Apply
The State and Local Energy Efficiency Action Network (SEE Action) offers resources, discussion forums, and technical assistance to state and local decision makers as they provide low-cost, reliable energy to their communities through energy efficiency.

http://www4.eere.energy.gov/seeaction/
State & Local Solution Center - *New and Improved!*

![Energy.gov homepage](energy.gov)

**STATE AND LOCAL SOLUTION CENTER**

**Take Action**

- Develop a Clean Energy Plan
- Design and Implement Clean Energy Programs
- Pay for Clean Energy
- Access and Use Energy Data

**Policy Information**

- Database of State Incentives for Renewables & Efficiency
- Cities LEAP
- SEE Action Network

**Additional Links**

- Weatherization and Intergovernmental Programs Office
- Better Buildings
- Energy Literacy

**Search State & Local Resources**

- Take a Closer Look
  - Energy Savings Performance Contracts
  - Outdoor Lighting
  - Benchmarking
  - Energy Efficiency Savings Opportunities & Benefits

**Get Updates**

Sign up to receive news, events, and more from the State and Local Solution Center.

**Download Our Resource Guide**
State and Local Spotlight

Clean Energy News and Events for State and Local Leaders

A monthly update from EERE's Weatherization and Intergovernmental Programs Office (WIP) for state, local, and K-12 officials featuring resources to advance successful, high-impact, and long-lasting clean energy policies, programs, and projects.

- State & Local News
- New Implementation Models
- April State and Local Webinar
- Funding Opportunities

State & Local News
Thirteen Alaska Community Efficiency Champions Selected to Receive Technical Assistance from the Energy Department
At the Rural Energy Conference in Fairbanks,

Subscribe:
http://wip.energy.gov/solutioncenter

or Email Us:
stateandlocal@ee.doe.gov