Better Buildings Residential Network (BBRN) Orientation

Call Slides and Summary
March 27, 2014
Agenda

- Call Logistics and Introductions
- Opening Polls
- Better Buildings Residential Network Presentation
  - BBRN – Origins and Overview
    - Followed by Q&A
  - BBRN – Members
    - Followed by Q&A
  - BBRN – Tools and Resources
    - Followed by Q&A
- General Q&A
- Closing Polls
### Participating Programs and Organizations

- Alabama Department of Economic and Community Affairs (WISE)
- Austin Energy
- Clean Energy Works Oregon
- City of Indianapolis
- City of Kansas City, MO (EnergyWorks KC)
- City of Milwaukee (Me2)
- Climate Solutions
- Ecolibrium3
- Elevate Energy (Energy Impact Illinois)
- EnergySmart
- Fayette County, PA (Fayette County Better Buildings Initiative)
- Greensboro, NC (BetterBuildings Greensboro)
- Institute for Market Transformation
- M & K Electrical & Plumbing Heating & Air Conditioning
- New York State Energy Research and Development Authority (New York State Home Performance with Energy Star)
- Snohomish County Public Utility District
- U.S. Dept. of Housing and Urban Development
- Wisconsin Energy Conservation Corporation
Opening Poll #1 Results

- What is your current familiarity with the Better Buildings Residential Network and the tools and resources it offers?
  - Somewhat familiar, but not sure I am taking full advantage: 47%
  - Not at all familiar/ new to the Network: 32%
  - Very familiar; just listening in to ensure I haven’t overlooked anything: 21%
Do you currently use any of the following BBRN tools and resources? (Pick all that apply)

- Participate in Peer Exchange calls: 74%
- Read the Network View Newsletter: 58%
- Use the BBRN online community on the Home Energy Pros website: 32%
- Access the website for information: 21%
- None of the above: 16%
BBRN: Origins and Overview
Leveraged $508M in ARRA and FY10 funding to spur nationwide energy efficiency program innovation

- Targeted urban, suburban, and rural environments
- Capitalized on economies of scale
- Encouraged industry partnerships and investment
- Emphasized sustainability beyond the grant
- Goal: Learn what is effective and replicable

The Better Buildings Neighborhood Program used federal support to promote program innovation and market investment
BBNP Grantee Locations

41 grants: $1.4M - $40M each

www.betterbuildings.energy.gov/neighborhoods
BBNP Grantees

- 13 state governments
- 24 local governments
- 4 non-profit organizations
BBNP Grantee Sectors

Target Sectors

- Single Family
- Multi Family
- Low Income
- Middle Income
- Small Business
- Municipal, University, School, Hospital
- Commercial
- Industrial
- Government
- Agriculture
BBNP Accomplishments

BBNP Summary
Assessments and Upgrades

Source Energy Savings (MMBtu/yr)

Assessments & Upgrades

Q4-2010 | Q1-2011 | Q2-2011 | Q3-2011 | Q4-2011 | Q1-2012 | Q2-2012 | Q3-2012 | Q4-2012 | Q1-2013 | Q2-2013 | Q3-2013

Source Energy Savings
Assessments
Upgrades
Better Buildings Residential Network (BBRN)

- **Better Buildings Residential Network**: Connects energy efficiency programs and partners to share best practices to increase the number of homes that are energy efficient.

- **Membership**: Open to organizations committed to accelerating the pace of existing residential upgrades.

- **Benefits**:
  - Peer Exchange Calls
  - Tools, templates, resources
  - Newsletter, updates, trends
  - Recognition: Media, materials
  - Optional benchmarking
  - Residential Solution Center

- **Commitment**: Provide DOE with annual number of residential upgrades and information about benefits associated with them.
The Better Buildings Residential Network (BBRN) is no longer a grant program as it originally started.

The BBRN now exists to serve its members by helping to build the energy efficiency field in the residential sector.

Participation is simple and involves few requirements; at a minimum, organizations must report their annual number of residential upgrades.

The BBRN encourages broad participation; currently, the network has members across the U.S. and in British Columbia.
BBRN: Members
Inaugural Members

For information & to join, email bbresidentialnetwork.ee.doe.gov

AFC FIRST
Since 1947
Powering a Better Austin
Austin Energy

ENERGY RETURNS

energySMART
Boulder County

CLEAN ENERGY
Durham

ELEVATE ENERGY
Smarter energy use for all

gtech

Metropolitan Washington Council of Governments
One Region Moving Forward

Denver Energy Challenge

leap
Local Energy Alliance Program

Michigan Saves

Mountain Association for Community Economic Development

MACED

NYSERDA
Current Members (Slide 1 of 3)

- AFC First
- Alabama Energy Doctors
- Austin Energy
- BC Hydro
- Boulder County
- Building Sustainable Solutions
- California Center for Sustainable Energy
- California Energy Commission
- Center for Energy and Environment
- City and County of Denver
- City of Kansas City, MO
- City of Portland Bureau of Planning and Sustainability
- Civic Works

- Clean Energy Coalition
- Clean Energy Durham
- Clean Energy Finance and Investment Authority
- Clean Energy Works
- DC Sustainable Energy Utility
- E3 Power
- EcoWorks
- Efficiency First
- Efficiency First – Kansas City
- Efficiency First – Maryland/DC
- Efficiency Maine
- Efficient Windows Collaborative
- Elevate Energy
- Elysian Energy, LLC
- EMpower Devices
Current Members (Slide 2 of 3)

- EnergyFit Nevada
- Greater Cincinnati Energy Alliance
- GTech Strategies
- Hands On Nashville
- Historic Chicago Bungalow Association
- Home Energy Magazine
- Home Performance Guild of Oregon
- Institute for Market Transformation
- International Association of Certified Home Inspectors Local Energy Alliance Program
- Local Energy Alliance Program
- Maryland Department of Housing and Community Development
- Metropolitan Washington Council of Governments
- Midwest Energy Efficiency Alliance
- Michigan Saves
- Milwaukee Energy Efficiency
- Minnick’s, Inc.
- Mountain Association for Community Economic Development
- National Association of State Energy Officials (NASEO)
- Nexus Energy Center
- New England Geothermal Professional Association
Current Members (Slide 3 of 3)

- New York State Energy Research & Development Authority
- People United for Sustainable Housing, Buffalo
- Pure Eco Environmental Solutions
- Redevelopment Authority of the County of Fayette, Pennsylvania
- Richmond Region Energy Alliance
- Rural Ulster Preservation Company
- Southeast Energy Efficiency Alliance
- Spirit Foundation
- United Way of Long Island, NY
- University of Missouri-Columbia Midwest Energy Efficiency Research Consortium
- Upper Peninsula of Michigan Green Development Network
- Vermont Energy Investment Corporation
- Virginia Energy Sense
- Walker-Miller Energy Services
- WECC
- West Michigan Environmental Action Council
- William J. Clinton Foundation - Home Energy Affordability Loan Program
Member Types

- Consultant/Advisor (14)
- Contractor/Trade ally (9)
- Financial institution (3)
- Foundation (2)
- Gov't – Federal (0)
- Gov't – Local (4)
- Gov't – State (5)

- Manufacturer (0)
- Nonprofit (39)
- Program administrator or implementer (29)
- Retailer (0)
- University (1)
- Utility (2)
Q: Does the Network cover new construction?
A: No, the Network addresses existing buildings.

Q: Can individuals become members of the Network?
A: Institutions can become members of the Network, but not individuals.

Q: Does the Network offer grant funding?
A: The Network is not a grant program. It offers valuable resources other than funding, such as Peer Exchange Calls on a range of topics, tools, templates, and resources shared by members, optional benchmarking, newsletter updates on trends, and opportunities to be featured in media, case studies, and materials.
Presentation Highlights

- Membership is for institutions, not individuals.
- The network engages federal agencies as partners, but not as official members.
- The BBRN is not a grant program, it does not provide funding to members.
- The network encourages members to share news, but does not allow sales pitches.
- The full list of BBRN members is available online: http://energy.gov/eere/better-buildings-neighborhood-program/better-buildings-residential-network
Communications

AFC First is an Inaugural Member of New DOE Residential Network

AFC First Financial Corporation Is an Inaugural Member of New DOE Residential Network

On April 30, U.S. Department of Energy's Deputy Assistant Secretary for Energy Efficiency, Kathleen Hogan, announced at the ACI National Home Performance Conference and Leadership Summit in Denver, Colorado that AFC First Financial Corporation joined the launch of the new national Better Buildings Residential Network as an inaugural member.

The Better Buildings Residential Network connects energy efficiency programs and partners to share best practices and learn from each other to dramatically increase American homes that are energy efficient.

The Better Buildings Residential Network expands on existing energy efficiency programs that have operated for years. Since 2010, for example, the Better Buildings Neighborhood Program, and its partners, as well as Home Performance with ENERGY STAR Sponsors and their partners have leveraged over $1 billion in federal funding and local resources to build more energy efficient communities. These programs have saved Americans money, created jobs and lowered greenhouse gas emissions.

DOE is now expanding this network of residential energy efficiency programs and partners to new members. The new Better Buildings Residential Network is engaging energy efficiency programs, state and local governments, financial
Welcome to the First Issue

Stop to Take in the (Network) View

Welcome to the first issue of the Better Buildings Residential Network newsletter, the Better Buildings Network View. The Residential Network connects energy efficiency programs and partners to share best practices and learn from one another to dramatically increase the number of homes that are energy efficient. It also expands on the legacy of the $500 million Better Buildings Neighborhood Program that consisted of more than 40 competitively selected state and local governments that developed sustainable energy efficiency upgrade programs.

This year kicks off a new era for residential energy efficiency.

January 2014

In This Issue
- New Online Community Launched
- Upcoming Peer Exchange Calls
- Meet the Members
- Better Buildings Examples
- Stories From the Neighborhood
- Eye on the Energy Prize
- Tools to Create Better Buildings
- Resource Center
- Share the View

Upcoming Peer Exchange Calls
Existing Residential Network
Better Buildings Residential Network

The Better Buildings Residential Network connects energy efficiency programs and partners to share best practices and learn from one another to dramatically increase the number of American homes that are energy efficient.

Since 2010, the U.S. Department of Energy (DOE), local Better Buildings Neighborhood Program partners, and Home Performance with ENERGY STAR® Sponsors have leveraged over $1 billion in federal funding and local resources to build more energy efficient communities. DOE is now expanding this network of residential energy efficiency programs and partners to new members.

Who Should Join?

Network membership is open to all organizations that are committed to accelerating the pace of energy upgrades in American homes. Members include:

- Financial institutions
- Federal, state, and local governments
- Nonprofit organizations
- Program administrators and implementers
- Universities
- Utilities
- Home Performance with ENERGY STAR Sponsors

View a list of our current members.

What Benefits Do Members Receive?

- Invitations to monthly topical calls. Current areas of discussion include:
  - Business partners/workforce development
  - Driving demand
  - Evaluation & data collection
  - Financing
  - Moderate- and low-income markets
  - Program sustainability/revenue streams
  - Others, based on member requests
- Tools, templates, resources, and proven solutions shared by members.
Home Energy Pros Group

Better Buildings Residential Network
Created by Better Buildings Support
Send Message View Groups

Information

The Better Buildings Residential Network connects energy efficiency programs and partners to share best practices and learn from one another to increase the number of American homes that are energy efficient.

Website: http://betterbuildings.energy.gov/bbrn
Members: 52
Latest Activity: 2 hours ago

Join the conversation in the discussion forum below. You can use the “Follow” link at the bottom of the forum to receive an email whenever a new discussion is posted.
Tools for Program Benchmarking

Better Buildings Residential Network members are invited to help shape DOE’s new Guide for Program Benchmarking. You may send comments on the outline to Dale Hoffmeyer <dale.hoffmeyer@ee.doe.gov> by Wednesday, March 12, 2014.

- Guide for Program Benchmarking Draft Outline (MS Word)

Energy Efficiency Cost Effectiveness Tool (Beta Version)

Cost effectiveness analysis is a fundamental step in the design and evaluation of public utility commission-approved energy efficiency upgrade programs. In many cases, utilities must demonstrate the cost-effectiveness of their energy efficiency programs to obtain approval to carry them out. However, the estimation of cost effectiveness can be complicated and few publicly available, transparent and user-friendly tools exist for conducting this type of analysis. Furthermore, they are not designed around whole-building energy efficiency upgrades. The Cost Effectiveness Tool seeks to fill this void.

The Cost Effectiveness Tool, developed in Excel, supports the development and analysis of residential energy efficiency upgrade programs using standard cost-effectiveness analysis methods. Policy makers, utilities, energy efficiency program managers, architects and engineers may find the tool useful for supporting and scaling up residential energy efficiency programs. The tool estimates cost-effectiveness, using industry standard approaches, of both whole home energy efficiency upgrades and individual measures.

The user can build a program based on up to 5 different ‘project types’ (or measures implemented) and identify the number of homes to be targeted for upgrades over the program cycle. The tool reports cost-effectiveness metrics of the program, including program budgets, and allows the user to conduct sensitivity analysis against key inputs.

- Energy Efficiency Cost Effectiveness Tool (Beta Version) (MS Excel)
- Instructions (PDF)
- FAQs (PDF)
- Glossary (PDF)
Home Energy Pros Group (Cont.)

Peer Exchange Archive: Program Sustainability

Program Sustainability | Workforce/Business Partners | Financing and Revenue | Data and Evaluation | Multifamily/Low Income Housing | Working with Utilities | High Road Workforce Agreements | Marketing and Outreach | Other Calls

Peer exchange call summaries are listed below as available. Please check back periodically for new summaries.

Mastermind: Jim Mikel, Spirit Foundation
March 13, 2014

Energy Efficiency Program Models for Local Government
February 13, 2014

Coordinating EE with Other Disaster Resiliency Services
January 9, 2014

Presentation and Discussion Summary (PDF)
Better Buildings Residential Network Program
Sustainability Peer Exchange Call Series: Trends in Real Estate and Energy Efficiency

Call Slides and Discussion Summary

November 7, 2013
Poll Results

- What would be the biggest barrier for coordinating energy efficiency and disaster recovery in your community?
  - Lack of a clear response plan or protocol (46%)
  - Lack of awareness about energy efficiency (23%)
  - Lack of inter-agency coordination (15%)
  - Lack of adequate funding/resources (15%)
  - Other (0%)
To Join the BBRN Group on Home Energy Pros:


2) Welcome email, go to Home Energy Pros, click Groups, then BBRN, click to join in the top yellow bar

3) Welcome email, go to the group to start.

If you have any questions feel free to contact us at bbresidentialnetwork@ee.doe.gov.
Peer Exchange Call Series

- There are currently 6 Peer Exchange call series:
  - Data & Evaluation
  - Financing & Revenue
  - Marketing & Outreach
  - Multi-Family/ Low Income
  - Program Sustainability
  - Workforce/ Business Partners

- Calls are 2nd & 4th Thursday of each month at 12:30 & 3 pm ET

- Upcoming calls:
  - Mar 27, Workforce: Quality Control, Standardization, and Expectations
  - April 10, Program Sustainability: Complementary Energy - Health Strategies
  - April 10, Data & Evaluation: Cost-Effectiveness Tests; Measure Like a Utility
  - April 24, Marketing & Outreach: Working with Schools
  - April 24, Workforce: Contractor Rating and Feedback Systems

- Send call topic ideas, or requests to be added to email distribution lists to peerexchange@rossstrategic.com.
Optional Voluntary Member Initiatives

Example – Optional Program Benchmarking: Tracking your program’s performance over time, or comparing to achievements of other programs.

Value:
1) Communicate progress
   - Goals met (energy savings, jobs, etc.)
   - Spending of public funds is effective
2) Basis for program design changes
3) Justify continued or additional investment

Optional Program Benchmarking Guide:
- Action steps and templates for creating a benchmarking plan
- Information on useful outcome metrics, data challenges
- Examples of benchmarks from current programs
Web portal of residential EE upgrade program resources, & lessons learned to plan better, avoid reinventing wheel.

- **BB Neighborhood Program, Home Performance with ENERGY STAR Sponsors**

- **Provides:**
  - Step-by-step guidance
  - Examples
  - Tools
  - Templates
  - Lessons learned
  - Best practices
  - Tips
Continually add content, materials, videos, lessons learned and more to support residential EE upgrade programs

- Establish as 1-stop shop
- Keep dynamic, not snapshot
- EE program reference point
- Programming opportunities
- Member ideas wanted
Presentation Highlights

- The BBRN provides a template newsletter to announce membership
- There is a monthly Network View Newsletter distributed via email
  - The BBRN is always looking for newsletter topics of interest
- Home Energy Pros Online Community: have discussions with other members, upload your work, access resources and tools
- Peer Exchange calls and call archive: find summaries of past calls and the current call schedule on the Home Energy Pros website
- Energy Efficiency Cost Effectiveness Tool: estimates the cost-effectiveness of a residential EE program based on a program administrator’s inputs.
- Coming soon: Residential Program Solutions Center
Closing Poll #1 Results

- After today’s orientation, more information on the following would help to better understand BBRN resources (Pick all that apply):
  - Home Energy Pros Group site: 56%
  - Optional voluntary member initiatives: 50%
  - Peer Exchange calls: 25%
  - Network View Newsletter: 19%
  - None of the above: 19%
Closing Poll #2 Results

- After participating in the orientation today, how likely are you to use the following tools and resources? (Pick all that apply)
  - Participate in Peer Exchange calls: 89%
  - Use the BBRN online community on the Home Energy Pros website: 89%
  - Read the Network View Newsletter: 72%
  - Access the website for information: 50%

Please send ideas for additional tools or resources to peerexchange@rossstrategic.com.
Q: Is there a similar network focused on the small business market?

A: The Better Buildings Residential Network is focused on energy efficiency programs and retrofits for existing residential properties. Department of Energy has other initiatives oriented toward businesses and schools.

Q: Does the network offer information on advertising to home and business owners reluctant to spend money on upgrades?

A: The Marketing & Outreach Peer Exchange calls discuss this challenge and tactics programs can use to attract potential customers. Summaries of past Marketing & Outreach calls are archived in the Home Energy Pros online community.

The BBRN Solutions Center, launching this spring, will contain similar resources.
Q: What are Voluntary Initiatives?

A: Voluntary Initiatives can be anything to help aid members in their work and bring members together to work collaboratively. There was a recent Peer Exchange call to brainstorm ideas for new initiatives, which will be further discussed on a future call.

Example: Optional Program Benchmarking tracks an energy program’s performance over time and compares it to other programs in the network.

Q. Will network participants be able to submit materials for the Solutions Center?

A: Yes. Once the Solutions Center has launched, the BBRN will be inviting members to submit content to the Solutions Center based on their program experience. The Solutions Center will create a library of content covering everything an organization needs to run an energy efficiency program.
The Better Buildings Residential Network is a network by, of and for members:

- The network exists to serve the needs of its members.
- BBRN empowers members to suggest what resources and information they need to improve the organization's energy efficiency programs.
- Members are encouraged to suggest Peer Exchange call topics and Voluntary Initiative ideas, as well as submit content for the Solutions Center once launched.
Stay Connected

- Visit the Better Buildings Residential Network Website: http://energy.gov/eere/better-buildings-neighborhood-program/better-buildings-residential-network

- Contact BBRN to join the network, receive the Network View Newsletter and with any questions: bbresidentialnetwork@ee.doe.gov

- Join the Home Energy Pros online community: http://homeenergypros.lbl.gov/

- Contact peerexchange@rossstrategic.com for the following:
  - Ideas for Peer Exchange call topics and additional tools and resources
  - Requests to be added to the Peer Exchange call series email distribution lists.