ALL-COLLABORATIVES SHARING WEBINAR

Nov 24, 2014

ID, NE, CO, DE, MN, NH, NV, PA, TX, OK

HOSTED BY

BCAP
Building Codes Assistance Project

Agenda

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Welcome

- Webinar objectives (BCAP)
  - Background on collaboratives
  - Retiring code officials report
  - Forthcoming resources (ERI)
- Briefings from state coll. reps
  - ID | NE | CO | DE | MN | NH | NV | PA | TX | OK
- Q&A / wrap up

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Webinar Objectives

Purpose

Convene state collaborative representatives to share ideas, best practices, and insights about managing and improving the collaboratives

Goals

Gain information from each collaborative on its successes, lessons learned, barriers to pursuing its tasks, and needs for continued success

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Background

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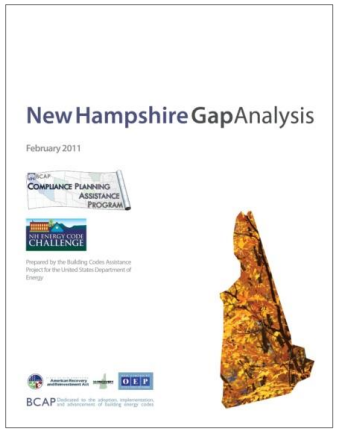
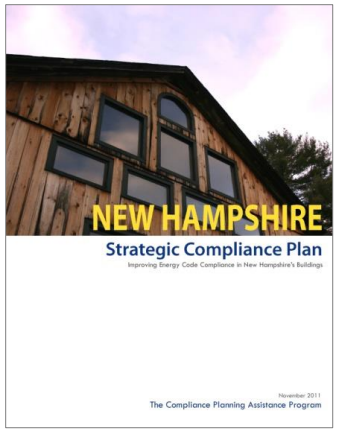
Compliance Planning Assistance (CPA) Program



Gap Analysis Report (23 states)

Identified areas states fall short of compliance goals and recommendations to bridge those gaps



Strategic Compliance Plan (18 states)

Provided roadmap for executing recommendations in the form of action items and projects.

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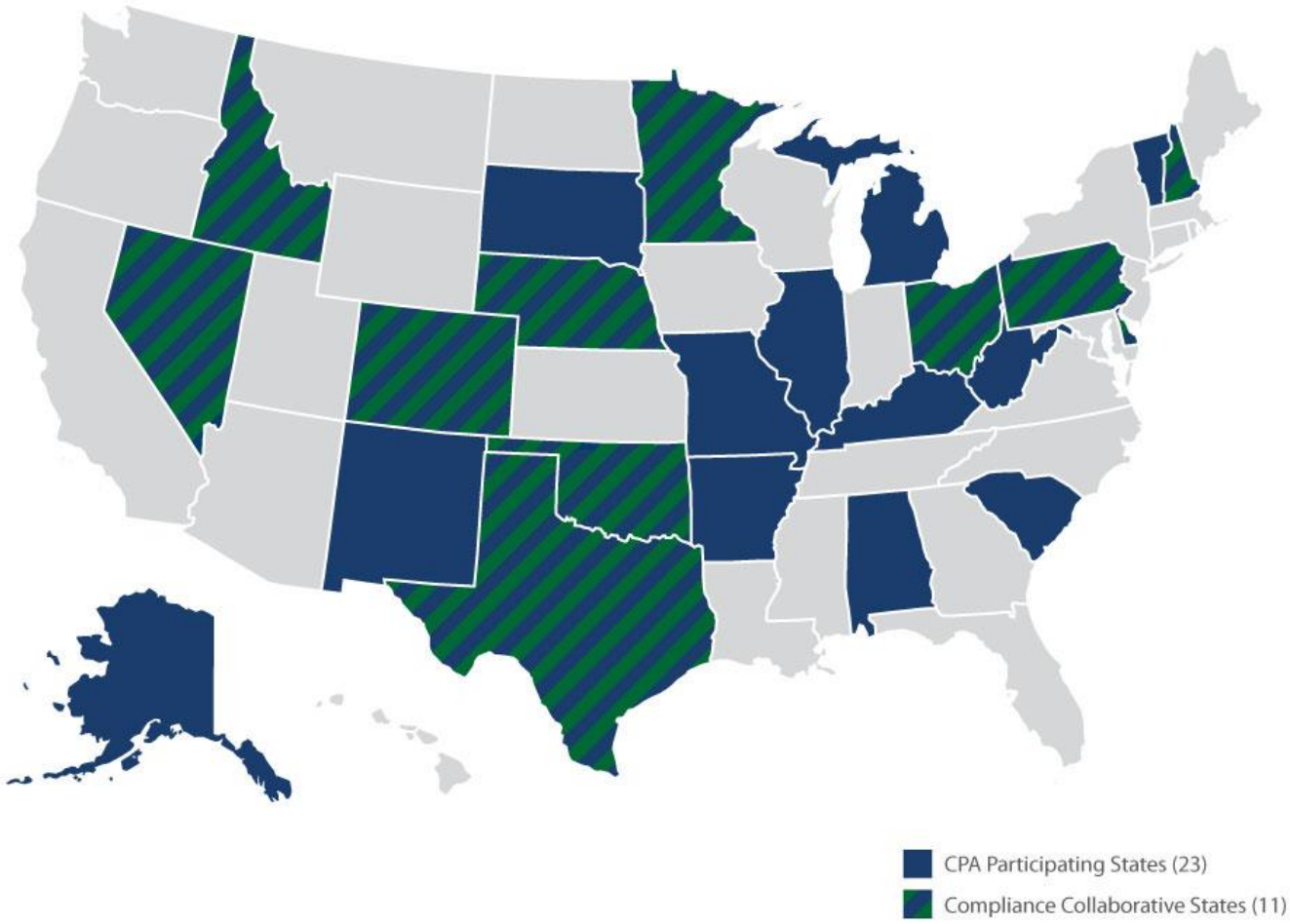
A common best practice emerged…



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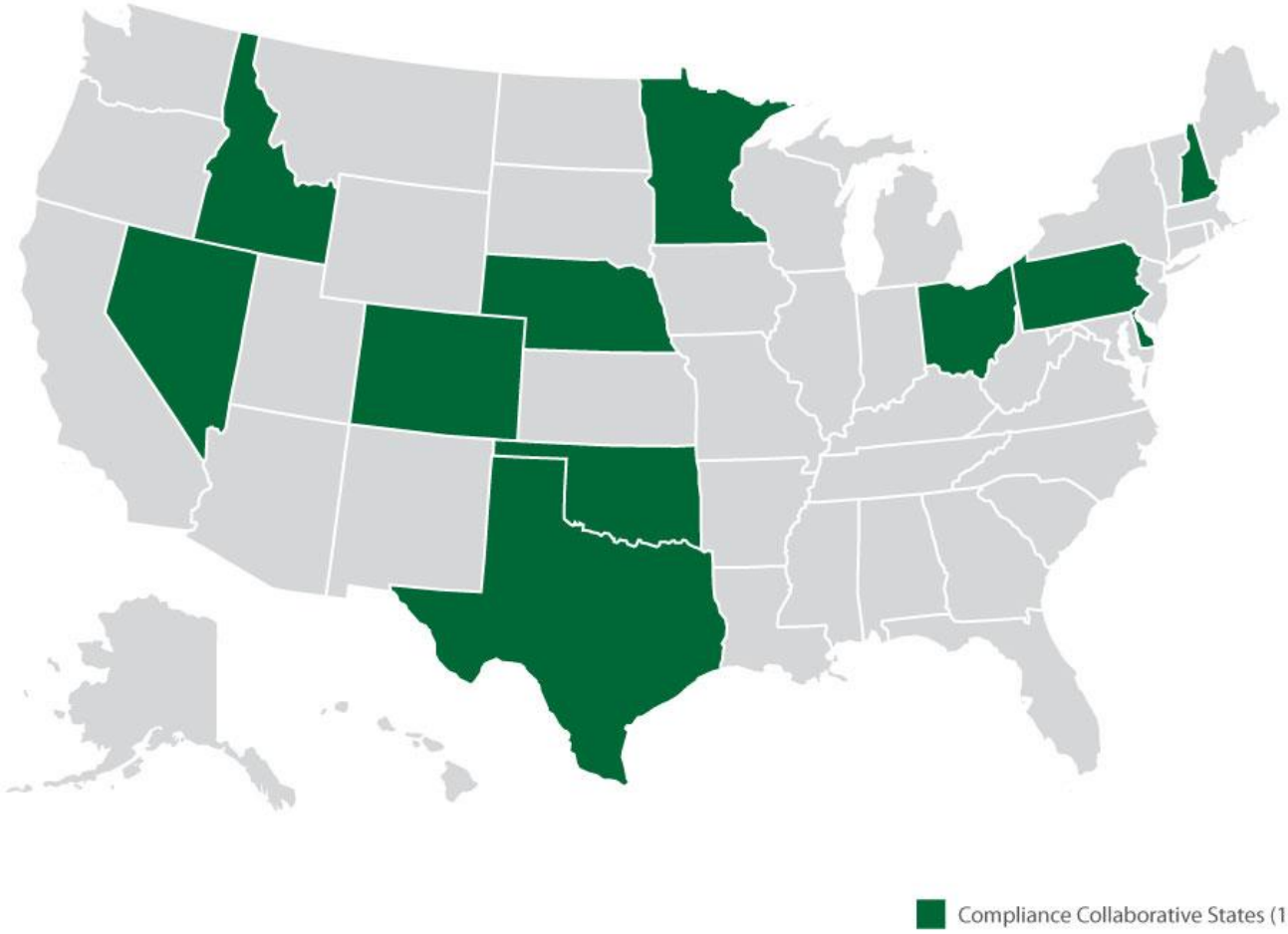
…Form a Compliance Collaborative



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Purpose of Forming a Collaborative

- Bring together expert stakeholders to help solve problems and work on solutions together
- Ensure all stakeholders have a voice

- Develop a strategy for meeting energy code compliance goals
- May serve as an advisory board to state department or policy makers

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Info for Collaboratives

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"Mass Retirement of Code Officials Looming" – ICC, NIBS survey of 3,850

- 80% plan to retire in next 15 yrs (30% in next 5 years)
- More than half entered the profession under the age of 39
  - Today: only 3% are under 35 yrs old; 15.6% are under 45
- Most work in dept's with 9 or fewer employees and hold many job functions (making roles hard to fill)
- Many let go during recession and not replaced
- Significant loss of institutional memory is forthcoming

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Considerations for Collaboratives

- Develop vocational and college programs to train and educate our next generation of code officials
- Educate local governments re: importance of code officials

The safety, sustainability, and energy efficiency of our current and future building stock depend on it.

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Forthcoming resources from BCAP

- Fact sheet: Energy Rating Index 2015 IECC
  - Why NOT to change the IECC-assigned ERI
- Fact sheet: Adding to the Appraised Value
- Others you need? Let us know

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State Collaborative Progress Reports

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State Collaborative Progress Reports

- 3 Accomplishments or current focuses
- 3 Challenges / Needs to improve success
- 1 Lesson learned

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State Progress Reports

ID: Sharon Patterson Grant, Eco Edge and Green Steps

NE: Danielle Jensen, Nebraska Energy Office (NEO)

CO: Lauren Smith, Southwest Energy Efficiency Project (SWEEP)

DE: Crystal Nagyiski, Dept. of Natural Resources and Environmental Control (DNREC)

MN: Alison Lindburg, Fresh Energy

NH: Autumn Carilla, GDS Associates

NV: Jim Meyers, Southwest Energy Efficiency Project (SWEEP)

PA: Shari Shapiro, Caliope Communications LLC

TX & OK: Chris Herbert, South-central Partnership for Energy Efficiency as a Resources (SPEER)

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idaho
Energy Code Collaborative

Idaho Energy Code Collaborative – Who We Are

Our Mission

The Idaho Energy Code Collaborative facilitates energy code implementation through education, outreach and technical assistance and prepares for the adoption of new energy codes by vetting changes and providing an open forum for stakeholders to voice concerns and reach consensus.

Our Vision

Be the forward-thinking and trusted resource for adopting and implementing energy codes that are consistent with national standards and appropriate for Idaho on a regular and predictable schedule.

Members

The collaborative meets quarterly and is made up of members from the following organizations: Association of Idaho Cities (AIC), Idaho Division of Building Safety (DBS), Idaho Association of Building Officials (IDABO), Idaho Power Company, State Office of Energy Resources (OER), U of I Integrated Design Lab (IDL), Eco Edge and Britt Makela Group. This is the core collaborative that facilitates a larger group of stakeholders who provide recommendations to the Idaho Building Code Board on code adoption for the State. Stakeholders also include elected officials, builders/contractors, design professionals and code officials—***if you are interested in joining this open forum of stakeholders, contact Ron Whitney, DBS, at Ron.Whitney@dbs.idaho.gov.***

What the Research Tells Us

The collaborative strives to identify opportunities and overcome barriers to code adoption and implementation by conducting research. Industry surveys were done in 2012, and homeowner surveys in 2013.

In 2012, we sent email surveys to city and county elected officials, building officials and architects across the state. The majority of all audiences consider it highly or moderately important that Idaho building codes are consistent with a national standard, according to 90% of building officials, 78% of elected officials and 84% of architects. Cost was identified as the most significant barrier to code adoption and compliance, and education and training as the second most. Therefore, the collaborative encourages being consistent with national standards and prioritizes conducting cost analysis and providing education and training.

Phone surveys were conducted in 2013 by Northwest Research Group in collaboration with BSU, OER and Eco Edge. A random sample of 600 Idahoans was stratified by county into three geographic areas (Southwest, South Central/Southeast and Northern) to ensure sampling was proportionate to population. All work was performed in accordance with ISO 20252:2012 Market Research Standards. Surveys revealed that 65% of Idahoans are in favor of energy codes that are consistent with national standards. Monthly operating costs are the top driver of whether someone supports energy codes. Additional reasons are that energy code standards ensure quality construction and homeowners purchasing a new home should have a right to a home that meets national energy standards. In addition, 88% somewhat or strongly agree that an energy efficient home has a higher resale value. Therefore, outreach by the collaborative communicates the benefits of energy codes based on these top reasons to Idahoans.

Code Adoption Process

The code adoption process is dictated by Title 39 Health and Safety Chapter 41 Idaho Building Code Act. Codes are evaluated by the Idaho Building Code Board through the negotiated rulemaking process as established in section 67-5221 of the Idaho Code, which requires two public hearings that are not less than 60 days apart before they make a formal recommendation regarding adoption to the Idaho Legislature before the next session begins. The collaborative actively participates in this process.

Circuit Rider – *A Free Resource for*

oject

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IDAHO

4 Collaborative Accomplishments

- ✓ 2012 IECC commercial was adopted, and Collaborative seen as THE resource for codes
- ✓ Completed energy code survey of homeowners
- ✓ Developed logo and branding for Collaborative
- ✓ Forged outreach partnership with local utility

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IDAHO

3 Needs to Improve Chances for Success

- ❑ Better outreach on 2012/2015 IECC Residential
- ❑ Greater participation from builders in trainings
- ❑ Equipment, training and outreach on blower door testing and air barriers

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1 Lesson Learned

It is extremely valuable to survey stakeholders to assess their needs—whether it be decision makers to understand barriers, builders to understand costs, homeowners to understand what they REALLY think.

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STATE OF NEBRASKA

NEBRASKA

Collaborative Organization

- ✓ Membership is open
  - ✓Utilities, builders, architects, general contractors, advocacy groups, HVAC, HERS, code officials, policy makers
  - ✓NEO & MEEA lead the Collaborative (Triumvirate)
- ✓ Four Standing Committees
  - ✓ One special committee (UNL education)

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NEBRASKA

Collaborative Funding

- ✓All volunteer
  - ✓SEP funding for NEO time and special projects
  - ✓ Seek grants for other projects (NET grant)
  - ✓How can we get utility funding
    - ✓Non-EEPS State

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STATE OF NEBRASKA

NEBRASKA

3 Collaborative Accomplishments

- ✓ Energy Codes 101
  - ✓State Senators
  - ✓League Of Municipalities
- ✓ Commercial Code Compliance Study
  - ✓ Value of UNL Students Education=Priceless
- ✓ Peak Demand
  - ✓Have figured how to do it, just haven't done it.

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3 Needs to Improve Chances for Success

- Define new goals
  - December meeting
- Continuous outreach
  - Training
  - Information to stakeholders
- Constant evaluation of membership

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1 Lesson Learned

KEEP FOCUSED!

-Communication with committee chairs

-Stay on point with mission and goals

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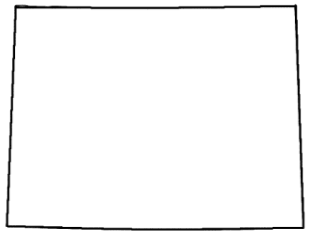

COLORADO

3 Collaborative Accomplishments

- ✓ Developed and implemented energy code trainings in partnership with the Colorado Energy Office

- ✓ Local adoptions of the 2012 IECC and upcoming adoptions of the 2015 IECC

- ✓ Submitted application for residential compliance study with NREL, CCC, DOLA, CEO, SWEEP, TRC as partners; currently developing small study on commercial compliance in the state

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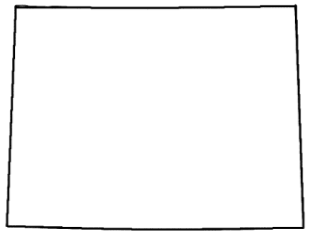

COLORADO

3 Needs to Improve Chances for Success

[within context of state's Strategic Compliance Plan]

- ❑ Funding for facilitation of the collaborative, strategic studies, and other efforts.
- ❑ Established methodology for assessing energy code compliance and simplified energy code checklists
- ❑ Assistance from professional associations in providing or promoting education to membership

*We would also be interested in ideas about improving compliance in a home-rule state with multiple versions of the code (and different compliance pathways)

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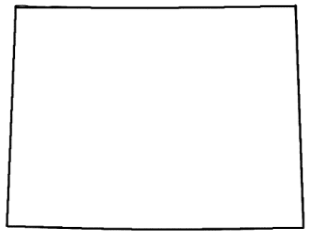

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1 Lesson Learned

Key findings from the 2013-2014 training program include: the timing of trainings is important in Colorado, the webinar training format has been successful, rural communities often lack a competitive HERS and Manual J market, there is some confusion about the 2012 IECC versus the 2015 IECC.

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Delaware

3 Collaborative Accomplishments

- ✓ worked together to adopt 2012 IECC and ASHRAE 90.1-2010 Standard
- ✓ provided coordinated training on updated code and new required building tests
- ✓ developed 2012 Delaware Energy Code FAQs

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Delaware

3 Needs

- ❑ Additional training
- ❑ Additional jurisdictional involvement
- ❑ Additional training again

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Delaware

1 Lesson Learned

Communication is the key!

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Fresh Energy

MEEA Midwest Energy Efficiency Alliance

MINNESOTA

3 Collaborative Accomplishments

- ✓ Held first all-collaborative meeting; over 20 participants
- ✓ Identified key barriers and opportunities in (mainly residential) energy code compliance
- ✓ Agreed to form a collaborative – next meeting will be held in December 2014

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Fresh Energy

MEEA Midwest Energy Efficiency Alliance

MINNESOTA

3 Needs to Improve Chances for Success

- ❑ Complete buy-in from state agencies
- ❑ Financing/funding?
- ❑ Participation from all stakeholder groups

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MEEA
Midwest Energy Efficiency Alliance

MINNESOTA

1 Lesson Learned

Too early to tell!

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Nevada

3 Collaborative Accomplishments

- ✓ Worked with collaborative members to respond to a US DOE funding opportunity
- ✓ Gained new participants and maintained quarterly meeting schedule
- ✓ Coordinated collaborative member participation in 2012 IECC state adoption

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Nevada

3 Needs to Improve Chances for Success

- ❑ Funding
- ❑ Champions willing to commit time
- ❑ Gain new members to offset attrition and participation levels

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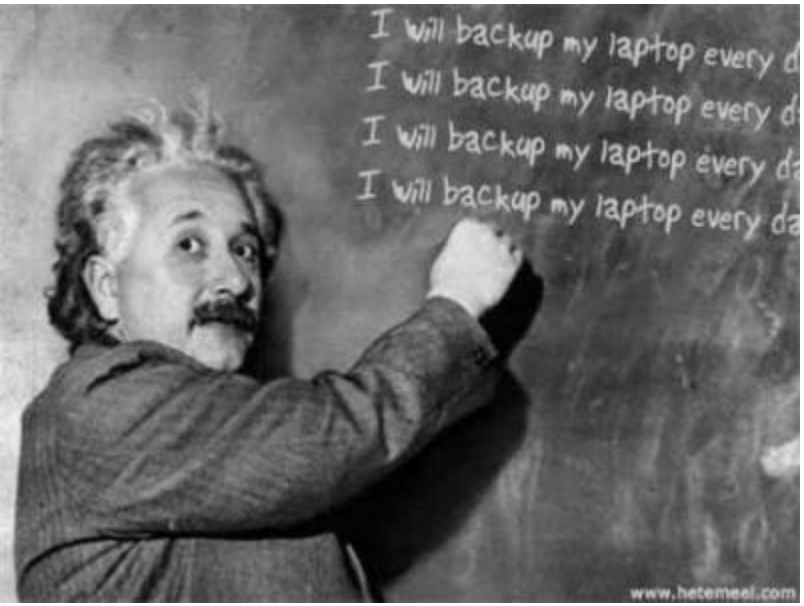
Nevada

1 Lesson Learned



It takes time and effort to maintain a functioning and valuable state collaborative

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New Hampshire

3 Collaborative Accomplishments

- ✓ Reviewed recommendations of the NH Energy Code Roadmap, and set a priority to focus on Outreach & Education
- ✓ Won DOE funding; launching pilot program w/VT
- ✓ Set our short term focus on exploring Building Energy Labeling

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New Hampshire

3 Needs to Improve Chances for Success

- IECC 2015 (*State Building Code Review Board is Currently Reviewing*)
- Continued leadership and member commitment
  - Have had good participation thus far, but will need to re-engage some stakeholder groups to successfully move forward with Building Energy Labeling efforts.
- Funding
  - DOE grant and partnership with Utilities

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New Hampshire

1 Lesson Learned

- Refining our focus had been helpful in directing our activates and meetings over the last few months.

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PENNSYLVANIA

3 Accomplishments

- ✓Setting up Collaborative
- ✓ Funding from PA Dept. of Environmental Protection
- ✓Selecting two projects
  - ✓Builder/Owner/Design Professional Training
  - ✓Utility Engagement

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PENNSYLVANIA

3 Needs to Improve Chances for Success

- ❑ Engage additional stakeholders
- ❑ Increase meeting attendance
- ❑ Contractor participation

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PENNSYLVANIA

2 Lessons Learned

One-on-one invitations is important.

Momentum is important.

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SPEER
The South-central Partnership for Energy Efficiency as a Resource

TEXAS

3 Collaborative Accomplishments

- ✓Published baseline report on state adoption, reporting progress in first year of activity.
- ✓ Established the largest group of Energy Code Ambassadors to help reach this large geographic area – will be 25 in December!
- ✓ Texas was selected to participate in the DOE Code Compliance project, which will enable us to evaluate building practices and focus training.

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SPEER
The South-central Partnership for Energy Efficiency as a Resource

TEXAS

3 Needs to Improve Chances for Success

- ❑ Initiating energy code working groups across the state, utilizing existing groups whenever possible.
- ❑ Developing curriculum to deliver information on code compliant building practices, for all building industry stakeholders.
- ❑ Developing a “Speakers Bureau” or list of existing resources that can expand our offering to working groups around the state.

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SPEER
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TEXAS

1 Lesson Learned

We found there is a three or four year lag in our local jurisdictions adopting and enforcing a state adopted code, so we are focusing our efforts specifically on reducing this lag time and increasing compliance with the existing code.

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SPEER
The South-central Partnership for Energy Efficiency as a Resource

OKLAHOMA

Established

- ✓First meeting in September 2014.
- ✓ Identified the regulatory support for both residential and commercial energy codes, as well as the regulation of energy code inspectors.
- ✓Identified funding for code training.
- ✓ Identified barriers to implementation and enforcement.
- ✓Identified stakeholders to assist in the next steps.

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Discussion

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Thank you.

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