



Pacific Northwest
NATIONAL LABORATORY

*Proudly Operated by **Battelle** Since 1965*

REScheck-Web: New Features and Functions

Bob Schultz - Pacific Northwest National Laboratory



U.S. Department of Energy Building Energy Codes Program

Energy Codes Commentator Webinar Series

AIA Provider #: I014 AIA Course #: BECPWS0617

ICC Provider Course #12384

June 8, 2017

PNNL-SA-126678



RES*check-Web* is a web-based application that enables designers/developers of residential buildings to enter building envelope assemblies per their proposed plans and specifications, and in turn, will determine whether or not the project is in compliance with the applicable energy code for their jurisdiction. A new version of RES*check-Web*, to be released Summer 2017, will include a modernized interface with several new and updated functions, including a dashboard of your projects, the ability to share projects with colleagues, the ability to create individual user profiles, and more.

Learning Objectives

At the end of this course, participants should be able to understand:

- ▶ The REScheck-Web registration requirements and procedures.
- ▶ How to manage projects.
- ▶ How to create new projects and specify inputs for both new and existing projects.
- ▶ How to evaluate and document mandatory checklist report requirements.
- ▶ How to check compliance and create reports.

REScheck-Web Registration and Account Log-In



Pacific Northwest
NATIONAL LABORATORY

Proudly Operated by **Battelle** Since 1965

Login Register

Email Address*

Confirm email Address*

Password*

Confirm Password*

Register

Login Register

Email Address

Remember me

Password

Forgot Password? Log In

First-Time User Info Page



Pacific Northwest
NATIONAL LABORATORY

Proudly Operated by **Battelle** Since 1965

REScheck-Web™

Home

Create a new project from scratch

New Project Create Sample Project Import

Search

When you have projects to view, you will see a table with your projects list.

Quick start

<input type="checkbox"/>	Project	Last Updated ^	Energy Code	Status	Sharing
<input type="checkbox"/>	Project	Last Updated ^	Energy Code	Status	You can share projects with your colleagues
<input type="checkbox"/>	A Sample Project	Jun 2, 2017 11:58:02 AM	2015 IECC	Draft v	
<input type="checkbox"/>	New test	Jun 2, 2017 11:54:38 AM	2012 IECC	Draft v	
<input type="checkbox"/>	Performance test 3	Jun 2, 2017 9:58:38 AM	2012 IECC	Draft v	
<input type="checkbox"/>	Performance test 2	Jun 1, 2017 1:06:44 PM	2012 IECC	Draft v	
<input type="checkbox"/>	Performance project test	Jun 1, 2017 11:53:02 AM	2015 IECC	Draft v	

« < 1 2 3 4 > »

Got it!

Home (Project Dashboard)



Pacific Northwest
NATIONAL LABORATORY

Proudly Operated by **Battelle** Since 1965



robert.schultz@pnnl.gov | Help | Sign off | ⚙️

Home

My Projects

New Project

Create Sample Project

Import

<input type="checkbox"/>	Project	Last Updated [▲]	Energy Code	Status	Sharing
<input type="checkbox"/>	A Sample Project	Jun 2, 2017 11:58:02 AM	2015 IECC	Draft [▼]	
<input type="checkbox"/>	Performance test 3	Jun 2, 2017 9:58:38 AM	2012 IECC	Draft [▼]	
<input type="checkbox"/>	Performance project test	Jun 1, 2017 11:53:02 AM	2015 IECC	Draft [▼]	
<input type="checkbox"/>	North Meadows Development	May 30, 2017 5:46:56 PM	2015 IECC	Draft [▼]	
<input type="checkbox"/>	Test	May 24, 2017 11:14:30 AM	2012 IECC	Draft [▼]	

1 projects selected: | |

Help

[Getting Started](#)

[Check if you can use REScheck](#)

[Subscribe to mailing list](#)

[Help Center](#)

Sharing Projects: Email Invitation



Pacific Northwest
NATIONAL LABORATORY

Proudly Operated by **Battelle** Since 1965

Shared project recipient will receive email with invitation to accept the “share”

From: donotreply@rescheckweb.energycodes.gov [mailto:donotreply@rescheckweb.energycodes.gov]
Sent: Thursday, June 8, 2017 9:22 AM
To: User, Joe <Joseph.User@myMailService.com>
Subject: Rescheck Project Shared

jane.doe@myMailService.com has shared a project with you via [RescheckWeb](#).

Please click [here](#) to accept the share. If the link does not work, copy this URL into a browser window:

<https://rescheckweb.energycodes.gov/#/login?token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiJ9.eyJhZGRyZXRzOm9va0VudHJ5Ijp7IklEIjoyOSwiTld0RVJfSUQiOiJ1eMzA3LCJUQVJHRVRFsUQiOm51bGwsIiRBUkdFVF90QU1FIjoiUm9zZSBCYXJ0bGV0dCIiIiRBUkdFVF9FTUFJTCI6InJvc2VtYXJpZS5iYXJ0bGV0dEBlbm5sLmdvdiIsIkNBTl9XUklURSI6dHJ1ZX0s>

InNoYXJp

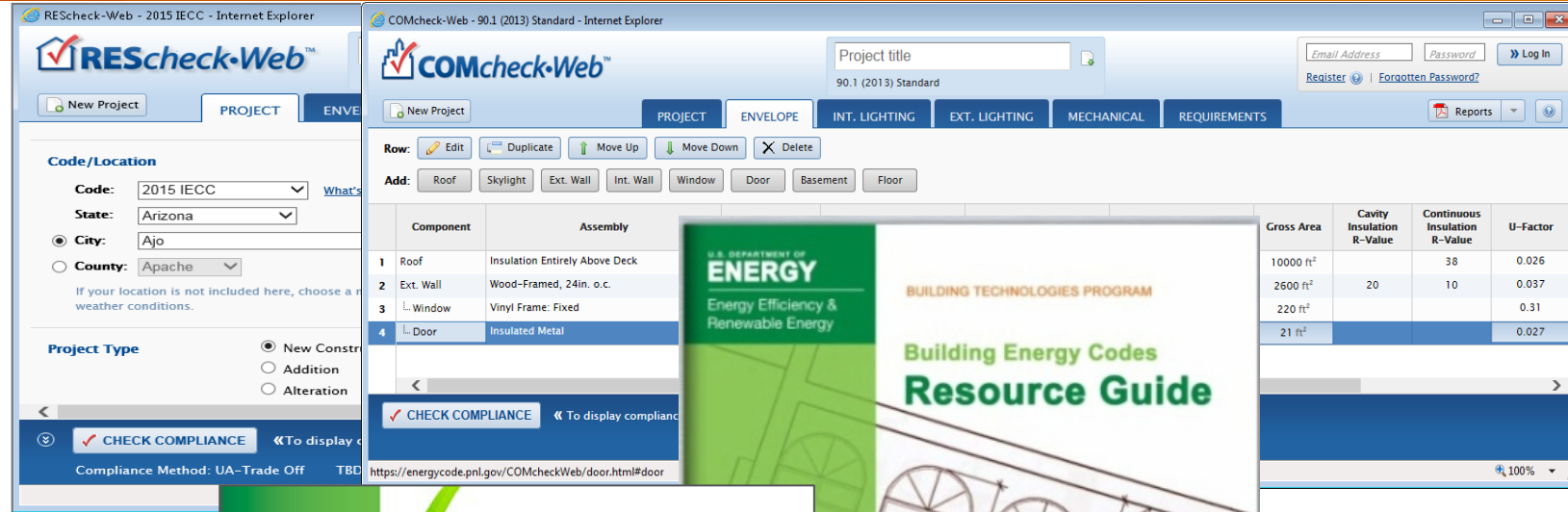
bmdFbnRyeSI6eyJJRCI6NzgsIkJSUxESU5HX01EiJo1OTAyNicsI1NIQVJFRF9XSURIX01EiJoyQSwiQ0FOX1dSSVRFIip0cnVlfx0.Z-VTWZT0LuFgh7u8ngA6J50FktZ_5vDNDvzFARM21AU

If you do not want to accept the share, you do not have to do anything.

U.S. DOE: Building Energy Codes Program Resources

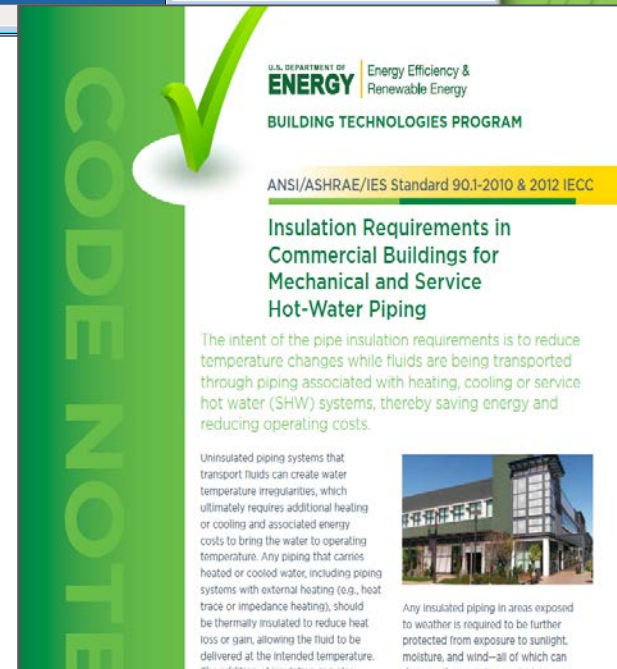
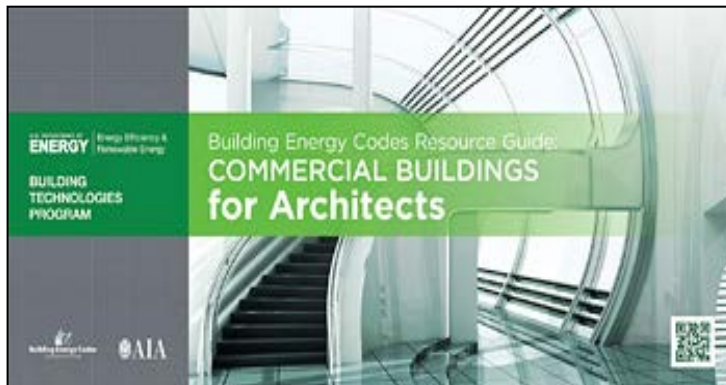
- ▶ Compliance software
- ▶ Technical support
- ▶ Code notes
- ▶ Publications
- ▶ Resource guides
- ▶ Training materials

www.energycodes.gov

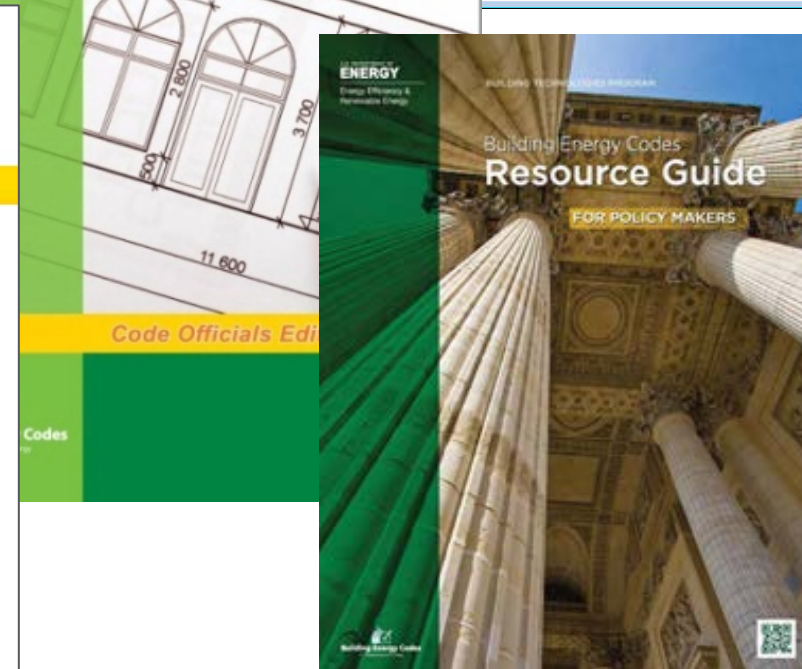


The image shows two web-based software interfaces. The left interface is REScheck-Web, showing a 'Code/Location' section with dropdowns for Code (2015 IECC), State (Arizona), and City (Ajo). The right interface is COMcheck-Web, showing a table of building components and assemblies. The table has columns for Component, Assembly, Gross Area, Cavity Insulation R-Value, Continuous Insulation R-Value, and U-Factor.

Component	Assembly	Gross Area	Cavity Insulation R-Value	Continuous Insulation R-Value	U-Factor
1 Roof	Insulation Entirely Above Deck	10000 ft ²		38	0.026
2 Ext. Wall	Wood-Framed, 24in. o.c.	2600 ft ²	20	10	0.037
3 L. Window	Vinyl Frame: Fixed	220 ft ²			0.31
4 L. Door	Insulated Metal	21 ft ²			0.027



The cover features a large green checkmark and the text 'U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy', 'BUILDING TECHNOLOGIES PROGRAM', and 'ANSI/ASHRAE/IES Standard 90.1-2010 & 2012 IECC'. The title is 'Insulation Requirements in Commercial Buildings for Mechanical and Service Hot-Water Piping'. The text explains the intent of the pipe insulation requirements and includes a small image of a building.

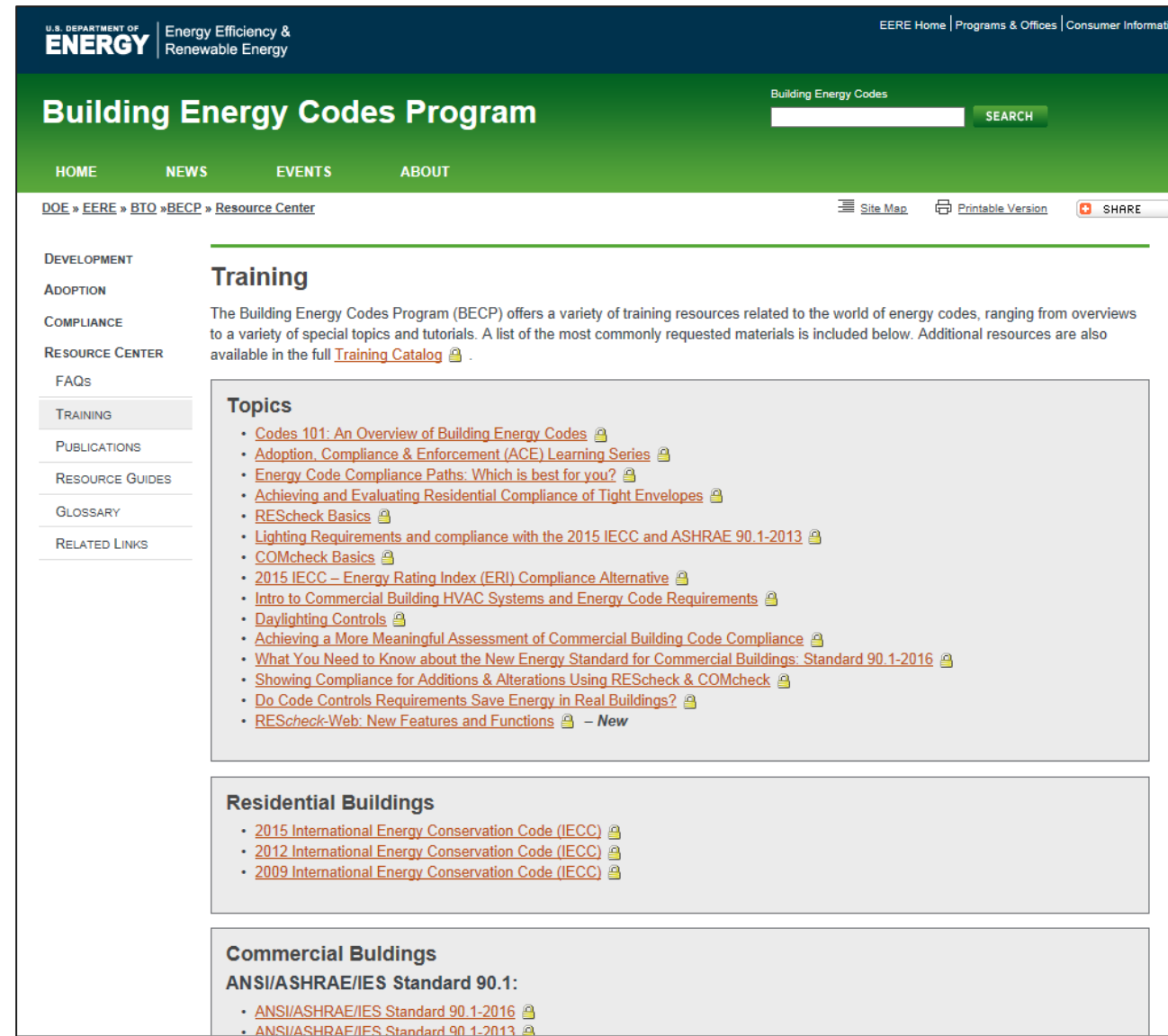


The cover features a classical building with columns and the text 'U.S. DEPARTMENT OF ENERGY Energy Efficiency & Renewable Energy', 'BUILDING TECHNOLOGIES PROGRAM', and 'Building Energy Codes Resource Guide FOR POLICY MAKERS'. It also includes the text 'Code Officials Edition'.

Building Energy Codes Commentator Series Training Topic Ideas?

► Give us your topic ideas

<https://www.energycodes.gov/training>



The screenshot shows the 'Building Energy Codes Program' website. The header includes the U.S. Department of Energy logo and navigation links for 'EERE Home', 'Programs & Offices', and 'Consumer Information'. The main navigation bar has 'HOME', 'NEWS', 'EVENTS', and 'ABOUT'. A search bar is located in the top right. The left sidebar contains a menu with 'DEVELOPMENT', 'ADOPTION', 'COMPLIANCE', 'RESOURCE CENTER', 'FAQs', 'TRAINING' (highlighted), 'PUBLICATIONS', 'RESOURCE GUIDES', 'GLOSSARY', and 'RELATED LINKS'. The main content area is titled 'Training' and includes a paragraph about the program's resources. Below this are three sections: 'Topics' with a list of 13 links, 'Residential Buildings' with 3 links, and 'Commercial Buildings' with 2 links under the heading 'ANSI/ASHRAE/IES Standard 90.1:'.

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

EERE Home | Programs & Offices | Consumer Information

Building Energy Codes Program

Building Energy Codes

HOME NEWS EVENTS ABOUT

DOE » EERE » BTO » BECP » Resource Center

DEVELOPMENT

ADOPTION

COMPLIANCE

RESOURCE CENTER

FAQs

TRAINING

PUBLICATIONS

RESOURCE GUIDES

GLOSSARY

RELATED LINKS

Training

The Building Energy Codes Program (BECP) offers a variety of training resources related to the world of energy codes, ranging from overviews to a variety of special topics and tutorials. A list of the most commonly requested materials is included below. Additional resources are also available in the full [Training Catalog](#).

Topics

- [Codes 101: An Overview of Building Energy Codes](#)
- [Adoption, Compliance & Enforcement \(ACE\) Learning Series](#)
- [Energy Code Compliance Paths: Which is best for you?](#)
- [Achieving and Evaluating Residential Compliance of Tight Envelopes](#)
- [REScheck Basics](#)
- [Lighting Requirements and compliance with the 2015 IECC and ASHRAE 90.1-2013](#)
- [COMcheck Basics](#)
- [2015 IECC – Energy Rating Index \(ERI\) Compliance Alternative](#)
- [Intro to Commercial Building HVAC Systems and Energy Code Requirements](#)
- [Daylighting Controls](#)
- [Achieving a More Meaningful Assessment of Commercial Building Code Compliance](#)
- [What You Need to Know about the New Energy Standard for Commercial Buildings: Standard 90.1-2016](#)
- [Showing Compliance for Additions & Alterations Using REScheck & COMcheck](#)
- [Do Code Controls Requirements Save Energy in Real Buildings?](#)
- [REScheck-Web: New Features and Functions](#) – New

Residential Buildings

- [2015 International Energy Conservation Code \(IECC\)](#)
- [2012 International Energy Conservation Code \(IECC\)](#)
- [2009 International Energy Conservation Code \(IECC\)](#)

Commercial Buildings

ANSI/ASHRAE/IES Standard 90.1:

- [ANSI/ASHRAE/IES Standard 90.1-2016](#)
- [ANSI/ASHRAE/IES Standard 90.1-2013](#)

THANK YOU!

Building Energy Codes Program
www.energycodes.gov/training

BECP help desk
<https://www.energycodes.gov/HelpDesk>

