



Rhode Island CCEI 2014 Report

Overview

The Rhode Island CCEI had a strong, successful year. Forty-five Code Compliance Enhancement Initiative (CCEI) events were hosted with 791 attendees. The initiative succeeded despite continued weakness in the local economy resulting in limited housing and commercial building starts. For residential code events, a robust offering of classroom, hands on, and infield trainings contributed momentum with 509 attendees. Training participant surveys continue to be extremely positive and the data is provided to National Grid monthly.

Commercial code events which had limited attendance in 2013 were restarted in April. With proactive marketing and outreach, commercial classroom trainings, webinars and on-site tours netted 282 participants including an increasing participation from the architectural sector (46 attendees). Compliance tools were delivered to support the RI design and construction teams. Two mid-initiative focus groups provided valuable feedback to fine tune the initiative. Proactive marketing of the Circuit Rider offering increased participation and continues into 2015.

Marketing, Website Development, and Customer Relationship Management (CRM)

In the second half of 2014, CSG worked with the National Grid marketing team with the goal of increasing the number of design and construction participants. This collaborative effort resulted in two direct and electronic mail campaigns to over one thousand targets in Rhode Island. Combined with ongoing, increased outreach to organizations including the Rhode Island chapters of AIA and USGBC, this resulted in an increasing number of initiative participants from the design and construction communities. Website improvements were made to enhance National Grid branding and provide a direct link to up-to-date training schedules.

CSG sent eighteen regular electronic mailings to a database of over 840 contacts (first example below). Multiple custom flyers were created for specific events including the circuit rider tours and other unique technical trainings (second and third examples below).

Rhode Island Energy Code Trainings

What are they? NATIONAL GRID'S ENERGY CODES TRAINING PROGRAM provides Rhode Island CODE OFFICIALS, SUBMITTERS, SUBCONTRACTORS, and DESIGN PROFESSIONALS with FREE classroom and residential building energy code trainings.

These trainings are part of a larger effort to support energy code compliance in Rhode Island. For assistance with the energy code call the program toll free at 855-343-9165.

Date & Time	Event Name	Location
11/12/2014 8:00 AM - 12:00 PM	RI Commercial Energy Code Classroom - Commercial Air & Ventilation in the Building Envelope	Westerly http://www.nationalgrid.com/energycode
11/12/2014 8:00 AM - 12:00 PM	RI Commercial Energy Code Classroom - HVAC Center Tour	East Bay, 162 Center 1400 Wetherill Ave Narragansett, RI 02882
11/12/2014 8:00 AM - 12:00 PM	RI Commercial Energy Code Classroom - Lighting Requirements	Westerly http://www.nationalgrid.com/energycode
11/12/2014 8:00 AM - 12:00 PM	RI Commercial Energy Code Classroom - Understanding Air Barrier Systems and Design Options	Westerly http://www.nationalgrid.com/energycode
11/12/2014 8:00 AM - 12:00 PM	RI Commercial Energy Code Classroom - Overview	Rhode Island Building Association 140 Weybosset Terminal, Pawtucket, Building 4, Pawtucket, RI 02860
11/19/2014 8:00 AM - 12:00 PM	RI Commercial Energy Code Classroom and Building Science	Providence 450 Veterans Memorial Parkway, Building 5, Providence, RI 02903
12/10/2014 8:00 AM - 12:00 PM	RI Residential Energy Code Classroom and Building Science	Rhode Island Building Association 140 Weybosset Terminal, Pawtucket, Building 4, Pawtucket, RI 02860
12/10/2014 8:00 AM - 12:00 PM	RI Residential Energy Code Classroom and Infield Air Quality	450 Veterans Memorial Parkway, Building 5, Providence, RI 02903

Additional training dates available. For questions about the program or to register, please visit www.ngrid.com/energycode or call 855-343-9165.

Brown University Renovation Tour
Building for Environment Research & Teaching

Sponsored by the AIA RI COTE and USGBC RI

WHEN: Thursday, December 11, 2014
WHERE: Brown University
82 Waterman Street
Providence, RI 02908
TIME: 9:30 - 1:00 PM
COST: Donation is Free

PROJECT DESCRIPTION
This renovation project is a model of passive and active systems that were implemented in the building for the Environmental Research & Teaching (ERT) project to reduce its predicted air energy use by more than 50%, when compared to the code minimum baseline. The building for Environmental Research & Teaching (ERT) project included the complete renovation of the existing 100,000 square foot, four-story brick structure, historic lab building.

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The project is planned to reduce annual energy costs by 20%, energy efficiency measures include smart lighting, heat recovery, energy recovery, smart power, smart heat, solar and green products, and sustainable occupancy and daylight harvesting controls.

AIA and USGBC (Green Education Centers) are available for this tour (2 hours).

CLICK HERE to register or visit
www.environmentalresearchandteaching.com/brown-university-renovation-tour - 402-863-9000 ext. 423 or info@brown-university-renovation-tour.com

Rhode Island Energy Code Trainings

Understanding Air Barrier Systems and Design Options

WHEN: Wednesday, November 13, 2014
WHERE: County Center
2000 Narragansett Ave
Cranston, RI 02910
TIME: 9:30 AM - 12:00 PM
COST: Training session is free, pizza will be served

YOU WILL LEARN

- What is an air barrier? What is it different from a vapor barrier?
- What is the difference between air and a wall divider or weather resistant barrier?
- What is a breathable membrane?
- How to incorporate the technology into your wall system
- What are the effects of air gaps on energy?
- What are the air barrier energy savings?

Let the experts at Every Company answer those questions and more. Every Company has completed over 400 million sq ft of air wall barriers throughout North America. Find out what makes us 100% for your project.

CLICK HERE to register or visit
www.environmentalresearchandteaching.com/energycode/understanding-air-barrier-systems-and-design-options-registration - 1389660387

Trainings

The following trainings, webinars, and tours were offered in 2014 (split by residential versus commercial with number in parenthesis denoting number of sessions):

Residential

- Classroom trainings held at RI Builders Association (RIBA) included Overview (3 sessions), Envelope and Building Science (4), HVAC and Indoor Air Quality (2), Building Science with Hands-On Air Barrier (1).
- All three of the core courses were offered at RI Housing in Providence (3 courses in total).
- Community College of RI (CCRI) was the site for multiple courses including Overview (1) and HVAC and Indoor Air Quality (1).
- Five blower door trainings were held at Apeiron Institute in Coventry.
- Two classroom trainings sponsored at Scouter's Hall in North Smithfield; Overview and Envelope and Building Science.
- At NE Institute of Technology, a condensed energy codes course and hands-on session was presented to 16 students.
- Preparation for the next generation of energy professionals occurred with two trainings at Woonsocket Career Center for a total of 34 students.
- Hands-on training at Warwick Area Career and Tech Center, a vocational high school.
- The RI Association of Plumbing and Mechanical Inspectors received energy code training at an association meeting at Spumoni's Restaurant in Pawtucket.

Commercial

- Classroom trainings held at RI Builders Association (RIBA) included Overview (2), Envelope and Building Science (3), Lighting, Lighting Control and Other Electrical Provisions (3), Mechanical Provisions (3).
- An Overview of the 2012 Commercial Energy Code was sponsored at the AIA New England Conference at the Biltmore Hotel in Providence.
- An Understanding Air Barrier Systems and Design Options training was sponsored at Coventry Lumber with the Henry Company providing information on air and rain barrier systems.
- Two building tours cosponsored with the AIA and USGBC RI Chapters; including a new building tour of the Met Center in Newport and the renovated Building for Engineering and Technology (BERT) at Brown University. Both tours focused on challenging areas for code compliance (daylighting and lighting controls along with building enclosure).

Energy code webinars were launched with two different commercial courses; Controlling Air and Moisture in the Building Enclosure (3 webinars) and Daylighting Requirements (2). Webinar registration and attendance was low despite promotional efforts.



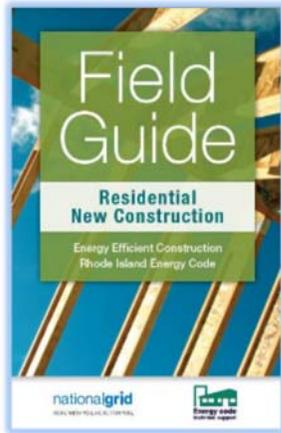
Hands on Duct Training at WATC



Commercial Training for AIA in Providence

Documentation Tools

The Rhode Island Residential Field Guide was delivered in electronic form in November. With over one hundred pages of text and drawings, this comprehensive guide provides extensive information on code compliance and a systems approach to residential building. Frequently Asked Question (FAQ) guides were provided for both the commercial and residential building sectors. Technical bulletins, both residential and commercial, were produced to emphasize the importance of controlling air and moisture.



Circuit Riders

The technical assistance/circuit rider service has been actively promoted throughout the year. There has been an increase in the volume of calls primarily for residential buildings.

Stephen Turner Inc. (STI) joined the initiative as subcontractor to CSG to support commercial technical assistance/circuit rider replacing Jim Fikiet who was unable to continue providing support. Two proactive circuit rider building tours were held (one at a new building which is net zero ready and the other at a renovated Brown University building). The tours are designed to focus on challenging areas of the code including requirements for continuous air barrier and daylighting and controls. Tour handouts included summaries of how each building met and exceeded the commercial energy code.

Evaluation

CSG worked closely with National Grid staff to develop a methodology for claiming CCEI savings on existing building projects that have pulled permits. We reviewed statewide data from 2013 and 2014 and used permit descriptions to estimate the new-home-equivalent of each residential project that was filed. (i.e., what was the percentage savings for the project compared with a new home?). The average new-home-equivalent percentage was then totaled to estimate the savings of retrofits as a number of new homes. This approach was reviewed and approved by the evaluation working group.

Outreach Activity

Significant outreach has resulted in an increasing number of attendees from the design sectors, particularly residential builders in the residential sector and architects, engineers, and energy specialists. Additional partners for hosting trainings have included RI Housing, technical schools, several lumber yards, the RI chapters of USGBC and many others. The Rhode Island Builders Association continues to be an important partner and provides a convenient training location.