



# VIRTUAL CONFERENCE

FEBRUARY 2–4, 2021

Conference agenda (subject to change; as of January 27, 2021).

## February 1, 2021

8:00am - 9:00am | Get the most out of virtual BBD - a pre-conference demonstration

## February 2, 2021

7:30am - 9:30am | Help Desk

8:00am - 9:00am | Welcome, Awards Presentation & Keynote Address

Multi-Solving Through Resilient Design: Addressing Our Co-Crises of Climate, Equity, and Health

*Candace Pearson, BuildingGreen*

9:00am - 9:15am | Break/Transition - Check out the Sponsor Engagement section!

9:15am - 10:15am | Concurrent Sessions

Challenges and Opportunities for Conditioning High-Performance Buildings

*Nick Thiltgen, Dubois & King*

Track: Building systems - HVAC, Lighting, Plumbing, Electrical, Controls

Market Focus: Commercial

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

## Energy Hardening, Energy Resilience, and Return on Investment

*Allison Ross, Efficiency Vermont*

Track: Commercial & Industrial

Market Focus: Commercial

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, LEED

## How Grid-Interactive Homes Are Beginning to Flatten the Duck Curve in Vermont

*JJ Vandette, Efficiency Vermont*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

## Introduction to Indoor Air Quality

*Laura Capps, Efficiency Vermont*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

10:15am - 10:30am | [Break/Transition - Check out the Sponsor Engagement section!](#)

10:30am - 12:00pm | Concurrent Sessions

Showing Up: Climate Justice Solutions in Design / Build Practices

*Chris Magwood, Endeavour Centre; Ace McArleton, New Frameworks; Jacob Racusin, New Frameworks*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, AIA-LU/HSW (1.5)

Sustainable Preservation

*Katie Buckley, M&S Development; Elizabeth Gamache, The Preservation Trust of Vermont; Gary Holloway, State of Vermont; Paul Wyncoop, Bread Loaf Corporation*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Commercial

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, AIA-LU (1.5)

Taking Back Control: Building Resiliency through HVAC Controls and the Internet of Things

*Juliette Juillerat, Efficiency Vermont; Lauren Morlino, Efficiency Vermont; Alexandra Rowe, Efficiency Vermont; AJ Rossman, IoT Conduit*

Track: Building systems - HVAC, Lighting, Plumbing, Electrical, Controls

Market Focus: Commercial

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, AIA-LU (1.5)

The RASA Table: Make the Design Process as Efficient as Our Buildings

*Ryan Edwards, R. Edwards and Company, PLC*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, AIA-LU (1.5)

12:00pm - 12:30pm | Lunch Break

12:00pm - 12:30pm | Sponsor Virtual Booths Open for Drop-ins - Stop by and thank them for their support!

12:30pm - 1:30pm | Roundtable Discussions

Deep Dive: Ducted heat pumps

Paying for weatherization and thermal efficiency projects

Resilient Energy: There are no bad ideas

Unprecedented: Running a business during COVID

What is energy resilience?

What is the Efficiency Excellence Network?

12:30pm - 1:30pm | Guided Tours of the Sponsor Exhibit Hall: HVAC and Refrigeration Track

*Lead by Steve Casey*

1:30pm - 4:00pm | Consider Scheduling a 1:1 Meetings with Sponsors!

## February 3, 2021

8:00am - 8:45am | Welcome, Awards Presentation & Keynote Address

*Krista Egger, Enterprise Community Partners*

8:45am - 9:00am | Break/Transition - Check out the Sponsor Engagement section!

9:00am - 10:30am | Manufacturer Training Sessions

9:00am - 9:30am | Hempcrete, a Natural, Resilient, & Carbon-beneficial Solution for New and Existing Buildings

*Alex Escher, Vermont Hemp Collective; Bob Escher, Escher Design; Jennifer Martin, HempStone*

9:30am - 10:00am | Wheel Pad: The Making of Efficient Accessible Living Situations

*Joseph Cincotta, LineSync Architecture; Ryan Edwards, R. Edwards and Company, PLC; Julie Lineberger, LineSync Architecture; WheelPad*

10:00am - 10:30am | RAB Lighting: Residential Lighting Products

*Ravi Parikh, RAB Lighting; Ben Koyle, RAB Lighting*

## 9:00am - 10:30am | Concurrent Sessions

Anti-Racism in the Trades: Building a Resilient Climate Justice Movement

*Mel Baiser, HELM Construction Solutions; Ace McArleton, New Frameworks*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, AIA-LU (1.5)

Residential New Construction and Commercial Retrofit Case Studies in Resiliency

*Laura Fitch, Fitch Architecture & Community Design; Randall Walter, Consultant*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Commercial

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, BPI (1.5), AIA-LU (1.5)

The Future Is Now: Smart Homes and Energy Efficiency

*Hillary Andrews, Efficiency Vermont; Lara Bonn, Efficiency Vermont; Nick Neverisky, VEIC*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, ASHRAE, CSI, GBCI General CE, BPI (1.5), AIA-LU (1.5), Eligible for CEUs post-conference after completing practice and final quizzes

## 10:30am - 10:45am | Break/Transition - Check out the Sponsor Engagement section!

10:45am - 11:45am | Concurrent Sessions

Equity, Justice, and Energy Efficiency in First-Generation American Families: Lessons from Burlington

*Jennifer Green, Burlington Electric Department; Anu Makinde, Burlington Electric Department; Tiana Smith, Vermont Gas*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, LEED

Healthy Lighting. Healthy People. An Overview of Circadian Lighting

*Ben Koyle, RAB Lighting; Ravi Parikh, RAB Lighting*

Track: Building systems - HVAC, Lighting, Plumbing, Electrical, Controls

Market Focus: Commercial

Level of Difficulty: Advanced

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, LEED

Keeping Our Cool

*Abiodun Iwayemi, Efficiency Vermont; Stephen Cote, Heatcraft Refrigeration*

Track: Building systems - HVAC, Lighting, Plumbing, Electrical, Controls

Market Focus: Commercial

Level of Difficulty: Advanced

CEUs Eligible: AEE, AFE, ASHRAE, CSI, LEED

Tracking the Greenhouse Gas Impacts of Energy Efficiency Measures: New Tools and Lessons Learned for Designers and Contractors

*Brian Just, Efficiency Vermont; Daniel Jordan, Efficiency Vermont; Jacob Racusin, New Frameworks; Megan Nedzinski, Vermont Integrated Architecture, PC*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

11:45am - 12:15pm | Lunch Break

11:45am - 12:15pm | Sponsor Virtual Booths Open for Drop-ins - Stop by and thank them for their support!

12:15pm - 1:15pm | Concurrent Sessions

Advanced Wood Heat - The Ultimate Resilient Heating Solution in the Northeast

*Emma Hanson, Vermont Department of Forests, Parks & Recreation; Adam Sherman, Biomass Energy Resource Center*

Track: Building systems - HVAC, Lighting, Plumbing, Electrical, Controls

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, LEED

Design and Performance - the Crossroads

*Steven Baczek, Steven Baczek Architect*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1)

Kick-Start Your Company' Gender Equity Journey: Strategies and Stories to Drive Action

*Andrew Catlin, TimberHomes; Rick Kuehnast, New Frameworks Design/Build; Alison Lamagna, Vermont Works for Women; Jessica Nordhaus, Change the Story VT*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, LEED

Multifamily Ventilation Deep Dive

*Allison Ross, Efficiency Vermont*

Track: Commercial & Industrial

Market Focus: Commercial

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

1:15pm - 1:30pm | Break/Transition - Check out the Sponsor Engagement section!

1:30pm - 2:30pm | Roundtable Discussions

Can we implement remote sales and performance financing in Vermont?

Deep Dive: Compartmentalization in Multifamily Units

Deep Dive: Heat pump controls

Learn from the Best of the Best

The Heat's On: HVAC businesses booming in Vermont

What is the Efficiency Excellence Network?

1:30pm - 2:30pm | Guided Tours of the Sponsor Exhibit Hall: Building Supply and Weatherization Track

*Lead by Steve Spatz*

2:30pm - 5:00pm | Consider Scheduling a 1:1 Meetings with Sponsors!

## February 4, 2021

### 8:00am - 9:00am | Manufacturer Training Sessions

8:00am - 8:30am | Bosch High-Efficiency Air-to-Air Heat Pumps

*Dave Feyoc*

8:30am - 9:00am | What are the Advantages with A2W/W2W Compared to Traditional Systems

*Tim Simpson, Outside Sales Heating*

### 8:00am - 9:00am | Concurrent Sessions

Pressurized Aerosol Sealing, Near Zero Leakage, Every Building

*Jeffrey Goldstone, Goldstone Architecture; Andrew Shapiro, Energy Balance Inc.; John Unger Murphy, Murphy's CELL-TECH LLC & Murphy's Zero Energy Building Inc.; ,*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

Save Energy and Improve Indoor Environmental Quality (IEQ) with HVAC System Retrocommissioning in Healthcare Facilities

*Walker Calderwood, Cx Associates; Matthew Napolitan, Cx Associates*

Track: Commercial & Industrial

Market Focus: Commercial

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, LEED

## The Pretty Good House Movement - What It Is, How It Started, and Where It's Going

*Dan Kolbert, Kolbert Building; Michael Maines, Michel Maines Residential Design; Emily Mottram, Mottram Architecture; Robert Swinburne, Robert Swinburne Architect*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

9:00am - 9:15am | Break/Transition - Check out the Sponsor Engagement section!

9:15am - 10:15am | Concurrent Sessions

### Alternative Transportation and Housing as a Catalyst for Downtown Renewal and a Resilient Lifestyle

*Gregg Gossens, gbA; Eileen Peltier, Downstreet Housing and Community Development*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Commercial

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, LEED

### Energy Consumption Impact of the Pandemic

*Eveline Killian, Cx Associates*

Track: Commercial & Industrial

Market Focus: Commercial

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, LEED

Healthy Homes and COVID-19: Lessons in Business Resiliency

*Robyn King, Efficiency Vermont; Peter Troast, Energy Circle*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1)

Wingnut Test Facility - Real-World Testing of Building Materials

*Peter Yost, Building-Wright*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1)

10:15am - 10:30am | Break/Transition - Check out the Sponsor Engagement section!

10:30am - 11:30am | Concurrent Sessions

IAQ Best Practices: Everyone Cares about Ventilation Strategies in a Pandemic

*Rachael Mascolino, VEIC; Alex Rowe, Efficiency Vermont*

Track: Crossroads - Financing, Healthy Homes, Real Estate, Innovation

Market Focus: Residential

Level of Difficulty: Introductory

CEUs Eligible: AEE, AFE, AIA-LU/HSW (1), ASHRAE, CSI, GBCI General CE, BPI (1), Eligible for CEUs post-conference after completing practice and final quizzes

## NYSERDA' RetrofitNY Initiative and the Market Opportunity for NZE Retrofits

*Saul Brown, NYSEERDA*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1)

Thermal Comfort: The Next Energy Efficiency Frontier?

*Brian Just, Efficiency Vermont; Steve Spatz, Efficiency Vermont*

Track: Enclosure - Insulation, Wall systems, Roof systems

Market Focus: Residential

Level of Difficulty: Intermediate

CEUs Eligible: AEE, AFE, AIA-LU (1), ASHRAE, CSI, GBCI General CE, BPI (1)

### 10:30am - 11:30am | Manufacturer Training Sessions

10:30am - 11:00am | Mass Timber as Market Distinction: The Why and How of Modern Timber

*Ricky McLain, WoodWorks*

11:00am - 11:30am | Why Not Demountable Wall?

*Justin T. Mikolyski, KI; John Molitor, KI*

11:30am - 11:45am | Break/Transition - Check out the Sponsor Engagement section!

11:45am - 12:45pm | Closing Plenary Panel: The Crystal Ball: 2021 and Beyond

*Becca White, Efficiency Vermont; Michael Shank, Carbon Neutral Cities Alliance; Graham Turk, Green Mountain Power; Jeanne Morrissey, J.A. Morrissey, Inc.*

12:45pm - 1:15pm | Sponsor Virtual Booths Open for Drop-ins - Stop by and thank them for their support!

12:45pm - 4:45pm | Consider Scheduling a 1:1 Meetings with Sponsors!

1:15pm - 2:15pm | Guided Tours of the Sponsor Exhibit Hall: Partner Organizations Track

*Lead by Cooper Thompson*