

BUILDINGENERGY BOSTON

Wednesday-Friday, May 5-7, 2021

Online Event

#BE21

Brought to you by the Northeast
Sustainable Energy Association
(NESEA)

Welcome to BuildingEnergy Boston 2021!

NESEA's BuildingEnergy Boston is a conference designed by and for practitioners in the fields of high-performance building and design, energy efficiency, and renewable energy. It brings hundreds of industry leaders and emerging professionals together to learn from and share ideas with each other.

The 2021 conference will be held [virtually](#), Wednesday-Friday, May 5-7. Wednesday will feature a Methods & Materials Showcase with live product demonstrations, roundtable discussions, sponsored sessions, networking events, and a keynote presentation. Thursday and Friday will feature accredited conference sessions that offer best practices and lessons learned, case studies and proven data, technical how-to's, emerging technologies, and innovative policies and programs. You can click through this interactive digital program to learn more about this year's events, committee members, and partners.

Be sure to join us on Thursday, May 6, at 5pm for [NESEA Night](#), where we'll celebrate NESEA's 2021 Award Recipients. In addition to the live awards presentation, there will be trivia, prizes, and a chance to send your best wishes to this year's award recipients.

Kate Goldstein Emerging Leader Award Recipient



[Elizabeth Engoren](#) is a Senior Energy Engineer and Business Development Associate at EN-POWER GROUP, a full-service energy engineering firm. Elizabeth is passionate about bringing together building industry stakeholders to learn from each other, fostering inclusivity,

and expanding the building community – all of which made supporting NESEA's mission a natural fit.

This award recognizes a NESEA Member early in their career for current engagement and their demonstrated potential to continue to meaningfully affect the future of NESEA.

Distinguished Service Award Recipient



[Kurt Teichert](#) is a Senior Lecturer of Environmental Studies at Brown University and Critic in Interior Architecture at Rhode Island School of Design. He teaches courses and advises students on building science, sustainability in design, environmental stewardship, urban infrastructure, and

transportation technology and policy. Kurt worked as Research Associate and Facilities Manager at The New Alchemy Institute in the 1980s, which is when he first became active with NESEA.

This award recognizes a NESEA Member who has made a significant contribution of time and service to the organization.



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- ▶ College Internship Program
- ▶ Vocational Internship Program
- ▶ EmPower Massachusetts
- ▶ Clean Energy Lives Here Campaign

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Meet the 2021 Content Committee

The content of BuildingEnergy Boston is curated by a volunteer committee of NESEA Members who collectively put in hundreds of hours throughout the year to ensure that sessions are genuinely useful to attendees. Thank you to the 2021 BuildingEnergy Boston Content Committee and Conference Chairs for making this year's event possible! Click on their photos below to learn more about them.

Conference Chair



Nick Falkoff
Auburndale Builders

Conference Chair



Stephanie Horowitz
ZeroEnergy Design

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Anna Heath
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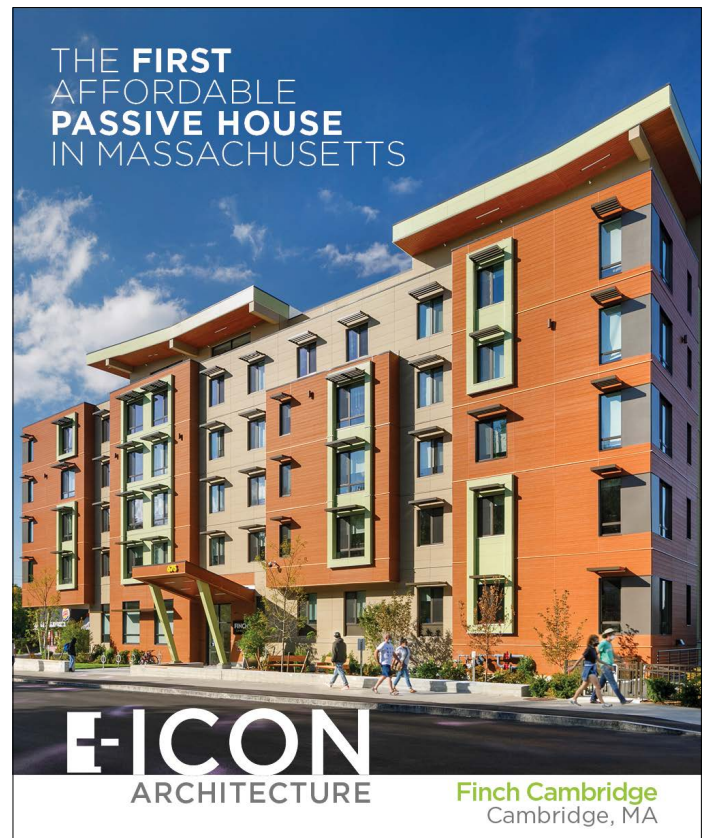
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QUEBEC MEETS NESEA




Wednesday, May 5th, 2021 | 2:30 p.m.

Sustainable expertise exchanges between NESEA members and Quebec BVI team of experts at Building Energy Boston



Wednesday Events (Methods & Materials Showcase)

10:30am	Keynote Session: Light + Justice		
11:00am			
11:30am	Continuing Carbon Sequestration in Wood by Pioneer Millworks	High Efficiency CHP Solutions by Dalkia Aegis	Stone Wool Insulation in Exterior Wall & Rainscreen Applications by ROCKWOOL
12:00pm	New Product Showcase by Huber Engineered Woods	Carbon-Competitive Construction with Local Wood Products by NEFF & Local Wood WORKS	Mapping Environmental Justice
12:30pm		Building Energy - A German Perspective by the German American Chamber of Commerce and the Consulate General of the Federal Republic of Germany in Boston	
1:00pm	The Latest and Greatest in Air Sealing Materials by 475 High Performance Building Supply		phius 2021: Emissions Down, Scale Up by PHIUS
1:30pm	Hot Topics in Clean Heat: Massachusetts' Roadmap to 2050 by MassCEC	Survival of the Flex-est: Creating a Culture that Works in a Changing World by Petersen Engineering	Whole-home Residential Electricity Monitor by Blue Line Innovations
2:00pm		Explore Zero Emission Water Heating Solutions by Eemax	Occupant-Oriented Decarbonization Strategies by Consigli Construction
2:30pm	Quebec Meets NESEA by Quebec BVI	Energy Saving All-Electric Water Heating: Solar Thermal and Solar Assisted Heat Pumps by NESHW	QuietCool Whole House Fans: A Better Way to Cool and Ventilate Homes by QuietCool
3:00pm		Get Smart about Offsite Construction by Bensonwood	Let's Talk Mitsubishi Electric by Mitsubishi Electric Trane HVAC US
3:30pm	Residential New Construction by Mass Save		
4:00pm	CERV2 Smart Ventilation Product Demo by Build Equinox	Evolution of Vinyl Window Efficiency by Kohltech	What's New at the Studio for High-Performance Design & Construction by Auburndale Builders
4:30pm	Community Happy Hour & Beer Tasting with Abode Energy Management		
5:00pm			

-  Community Event
-  Sponsored Session
-  Conference Session



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PASSIVE HOUSE CONSULTING


Thursday Events

8:00am	Achieving Performance Goals: Modular New vs. Retrofit Existing	Comparing the Operating Performance of High Performing Public Buildings to their Design	Net Zero Single Family Remodel: Whys & Woes	
8:30am				
9:00am	NESEA Membership Office Hours			
9:30am	Best Practices: Comparing Two Adjacent Multifamily Passive Houses	Public Health & the Built Environment: Putting Research into Action	Understanding Boston's Proposed Performance Standard	Why Do Startups Innovate Better than Design Firms & What Can We Learn from Them?
10:00am				
10:30am				
11:00am	Fostering Innovative Spirit			
11:30am	Electrifying Hard-to-Heat Buildings	Tracking the Greenhouse Gas Impacts of Your Energy Efficiency Measures	Virtual Power Plants: The Future of Distributed Energy Storage	Why Go Deep? Retrofit Lessons from Low-Income Multifamily Projects
12:00pm				
12:30pm	Diversity Caucus			
1:00pm				
1:30pm	Mass Timber Construction in the Northeast	The Next Frontier: Material Transparency Across Disciplines	Project Management from Afar	Light + Justice: In Practice
2:00pm				
2:30pm				Just Like Computing, Distributed Mechanical Systems are the Future by Minotair
3:00pm	Take Action with Your Municipality			
3:30pm	Multifamily Humidity Control Problems: Muggy Mayhem	Schools of Thought	Whose Role Is It Anyway? Understanding the Requirement of Diversity in the New Green Frontier	Lessons Learned from MassCEC's Triple Decker Challenge by MassCEC
4:00pm				
4:30pm				
5:00pm	NESEA Night			
5:30pm				

-  Community Event
-  Sponsored Session
-  Conference Session


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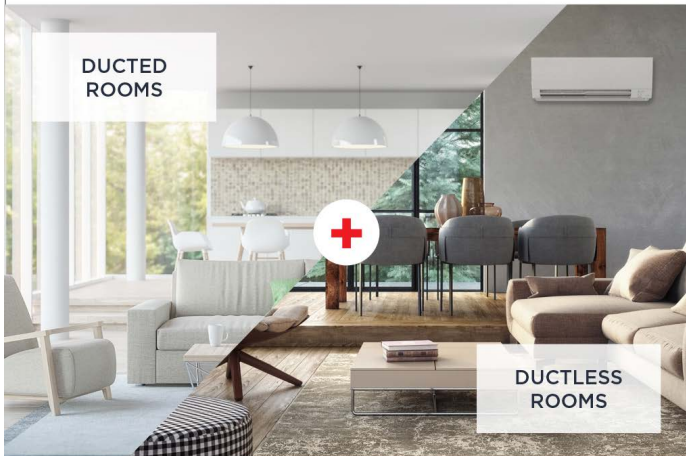

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Friday Events

8:00am	Case Study of a Low-Energy Multifamily Development: A Practical Discussion of Challenges & Success at The Flow Chelsea in NYC	HFC Refrigerants in Heat Pumps: Regulatory Update & Emissions Analysis by DXS		
8:30am				
9:00am	NESEA Membership Office Hours			
9:30am	The Glue That Binds PrePHab: How Designers & Builders SIMMplify Passive House	Integrating Sustainability into Practice	Low-Carbon Concrete & Steel Structures	Piloting, Scaling & Committing to Healthier Materials
10:00am				
10:30am				
11:00am	Carbon Smart Construction in Practice	Live Product Demo by Minotair		
11:30am	Decarbonization of Domestic Water Heating in Multifamily Buildings	Leaving the Mesozoic Behind: From Fossil Fuels to the Future via Carbon-Neutral Buildings	Modular vs. Stick-built: A Side-by-Side Comparison with Habitat for Humanity	Today's Acceptable Ventilation is Unacceptable
12:00pm				
12:30pm	Lifetime Member Lunch	Bottom Lines Business Development Roundtable	Everyday Climate Justice	
1:00pm				
1:30pm	Historic Buildings & Climate Change Mitigation: Case Study of a Low-Carbon Renovation	Leveraging Diversity to Meet the Climate Challenge	Proving Your Worth: Energy Loan Performance Monitoring, Verification & Marketing	Sheridan Small Homes: Affordable Passive Houses for In-Fill Development
2:00pm				
2:30pm				
3:00pm				
3:30pm	Electrification + Affordable Housing: What You Need to Know	The Proof is in the Project: Cost & Performance of Built Passive Multifamily	Single Family Retrofit to Passive House EnerPHit Standards	
4:00pm				
4:30pm	Closing Reception			



Community Event



Sponsored Session



Conference Session

CEU Information

We are pleased to offer AIA, BPI, GBCI, MA CSL, PHI, PHIUS, and RESNET credits at BuildingEnergy Boston 2021. With this year's virtual format, you can choose from 34 accredited sessions to earn up to 13 CEUs during the live event, and you'll be able to earn up to 20 CEUs by watching session recordings and taking quizzes after the event (post conference CEUs will be available starting June 1, 2021).

Certificates of Attendance

If you attend at least one session at BuildingEnergy Boston 2021, you will receive a detailed certificate of attendance via email in June. You can use that certificate to self-report your hours to your professional organizations.

If you want AIA, BPI, GBCI-LEED, and/or MA CSL credits: NESEA must report those credits directly to those organizations. When you login to the conference website in early May, be sure your participant profile includes your membership numbers to any applicable organizations.

AIA

All conference sessions on Thursday and Friday will offer AIA learning units, primarily LU/HSW. NESEA will report credits on your behalf.

BPI

19 sessions offer credits from the Building Performance Institute (BPI). You can use [this clickable PDF](#) to view all BPI-approved sessions. NESEA will report credits on your behalf.

GBCI-LEED

16 sessions offer GBCI credits for LEED certifications (BD+C, ID+C, O+M & WELL). You can use [this clickable PDF](#) to view all GBCI-approved sessions. NESEA will report credits on your behalf.

MA CSL

The conference has been approved for Massachusetts Construction Supervisor License (CSL) credits in Energy and in Business Practice. CSL credit-hours are given as a packet: 4.5 CEUs for attending Thursday and 4.5 CEUs for attending Friday. NESEA will report credits on your behalf, and you will use your Certificate of Attendance in your license renewal portfolio. Note that for each day you claim credit, you must sign in and attend at least 4.5 hours of sessions.

Passive House Institute

PHI has approved two sessions, both on Friday, May 7: [Case Study of a Low-Energy Multifamily Development](#) (1 credit point) and [Single Family Retrofit to Passive House EnerPHit Standards](#) (1 credit point). You will self-report your credits.

PHIUS CPHC

This year's conference has been approved for up to 9 PHIUS CPHC credits. Credit-hours are given as a packet: 4.5 credits for attending Thursday and 4.5 credits for attending Friday. You may self-report on PHIUS's website to receive credits. Your certificate of completion will include the codes you'll need to report which day(s) you attended.

RESNET

BuildingEnergy Boston 2021 has been designated a regional RESNET conference. RESNET raters, QADs, and instructors will automatically receive 4.5 credit hours for attending Thursday, May 6; 4.5 hours for attending Friday, May 7; and 9 hours for attending the full conference. You will self-report your credits.

Meet Our Partners

Thank you to our sponsors and other industry partners, whose support makes BuildingEnergy Boston possible. We encourage you to learn more about them by clicking on the logos below.

