



BETTER
BUILDING
BY DESIGN

April 5 & 6, 2023

DoubleTree by Hilton Hotel

South Burlington, VT

2023 Conference Program

Mission to No Emissions: Connect, Create, Innovate

Efficiency
Vermont

The impact of Efficiency Vermont's technical, educational, and financial energy efficiency services

THE BENEFITS

Efficiency Vermont delivers energy savings that make Vermont economically stronger and more affordable for households, businesses, and communities, and help move the state toward its clean energy goals. Thanks to Vermonters' investment and participation, below are a few of the lifetime benefits cumulatively from 2000 to 2021:



Over
\$3 billion
will be saved by
Vermonters



Over
\$13 million
metric tons of pollutants
will be avoided



Equivalent to
**removing all
Vermont cars**
for 5 years



20.9 million
MWh will be saved
The electricity it takes to power
159 thousand homes for 20 years



32.2 million
MMBtu will be saved
The fuel it takes to heat
20 thousand homes for 20 years




BETTER BUILDING BY DESIGN



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- Thanks to Our Sponsors back cover

Attending sessions to earn CEU's? Be sure to pick up a credit reporting form from the registration desk and fill it out during the conference! Return a copy to the registration desk before you leave if you are eligible for AIA or BPI CEUs (we'll report these credits on your behalf), or if you need a custom certificate of attendance created. All other accrediting organizations are self-reporting; you may use the credit reporting form to verify your attendance in this conference.

 Follow us! Better Building by Design 2023 on Twitter. #BBD23

While the Better Buildings by Design conference is hosted by Efficiency Vermont, the views of session speakers are their own. The content of any session presentations do not necessarily reflect any policy or position of Efficiency Vermont, and presentations do not reflect an endorsement of any speaker, any policy, or any mentioned products, manufacturers, technologies, or opinions.

Workshops at-a-Glance

	EMERALD I	EMERALD II	EMERALD III
DAY 1: APRIL 5, 2023			
7:00 AM	Exhibit Hall opens for registration and breakfast (Breakfast sponsored by ABCO HVACR Supply + Solutions)		
8:30–9:40 AM	Opening Session: Welcome & Best of the Best Awards; Keynote Address—Getting Stuff Done Through the Noise: Complex Systems Change <i>Sarah Waring, State Director for Vermont and New Hampshire—U.S. Department of Agriculture (USDA) Rural Development</i>		
9:40–10:00 AM	Refreshment break in Exhibit Hall (Sponsored by Samsung HVAC)		
10:00–11:00 AM	The Past, Present, and Future of Light Sources	IDEAS by Design: Embedding Inclusion, Diversity, Equity, Access, and Social Justice	Hitchhikers Guide to Electrifying your Multifamily Building
11:00–11:20 AM	Refreshment break in Exhibit Hall (Sponsored by Samsung HVAC)		
11:20 AM–12:20 PM	Fusing High-Performance and Pragmatic HVAC Design	Workforce Development Training Center—Leading with Equity	VNRC Deep Energy/Net Zero retrofit: A Silk Purse out of a Sow's Ear
12:00–1:30 PM	Lunch (Sponsored by 475 High Performance Building Supply) in the Lake Champlain Exhibit Hall & The Atrium		
12:30–1:15 PM			
1:30–2:30 PM	The Future of EVs is Here!	Embodied and Operational Emissions in Retrofits	Kitchen Electrification: Trends, Opportunities, and Realities
2:30–3:00 PM	Refreshment break in Exhibit Hall (Sponsored by Samsung HVAC)		
3:00–4:30 PM	Air-to-Water Heat Pumps—Demystified	Closing the Loop between the Grid and Its Buildings with FLM	How to Be Energy Resilient
4:30–6:00 PM	Evening reception—all welcome to attend in the Lake Champlain Exhibit Hall (Sponsored by Andersen Windows)		

DAY 2: APRIL 6, 2023			
7:30 AM	Exhibit Hall opens for registration and breakfast (Breakfast sponsored by Daikin Comfort Technologies)		
8:30–9:30 AM	Addressing the Emissions in the Room	Overcoming the Hiring Challenge Using Marketing Strategies	Pretty Good House Details
9:30–10:00 AM	Refreshment break in Exhibit Hall (Sponsored by Henry)		
10:00–11:00 AM	Vapor Flow through Wall and Building Assemblies	Lighting Market Transformation: A Retrospective and Look Ahead	Who's Counting? A Critical Survey of Carbon Emissions Accounting Standards for Electricity
11:00–11:15 AM	Refreshment break in Exhibit Hall (Sponsored by Henry)		
11:15 AM–12:15 PM	Can Mass Timber Solve Vermont's Development and Housing Problems?	When More Is Worse: Life-Cycle Carbon in Low-EUI Buildings	Alliance for Equity in the Built Environment
12:00–1:30 PM	Lunch (Sponsored by Vermont Gas Systems) in the Lake Champlain Exhibit Hall & The Atrium		
12:30–1:15 PM			
1:30 PM	Exhibit Hall Closes		
1:30–3:00 PM	Choose the Right Heat Pump: Evaluating Performance and Heating Cost	Vermont Energy Code Update: 2023 CBES	Making It Easy for All to Electrify: Retrofit Solutions
3:00–3:15 PM	Refreshment break in Emerald Ballroom Promenade (Sponsored by Henry)		
3:15–4:30 PM	Closing Plenary—Innovation and Collaboration to Drive Down Emissions: Think Outside the Box <i>Geoff Robertson—DeltaClimateVT; Kamal Singh—Halitra; Ellie Rusling—MicroEra Power; Joseph Steig—ecosVC; James Gibbons—Burlington Electric Department</i>		
4:30 PM	Conference Adjourns		

DIAMOND I	DIAMOND II	AMPHITHEATRE
Exhibit Hall opens for registration and breakfast (Breakfast sponsored by ABCO HVACR Supply + Solutions)		
Refreshment break in Exhibit Hall (Sponsored by Samsung HVAC)		
Climate Friendly Heat Pump Design and Installation	HPwES for Efficiency Excellence Network Members—Part 1	Cannabis Cultivators and HVAC/ Dehumidification System Design
Refreshment break in Exhibit Hall (Sponsored by Samsung HVAC)		
Winooski School District Renovations	HPwES for Efficiency Excellence Network Members—Part 2	Preserving History with a Fossil-Free Future
Lunch (Sponsored by 475 High Performance Building Supply) in the Lake Champlain Exhibit Hall & The Atrium		
		EEN Overview
2023 Legislative Overview: The IRA Bill and New State Policies	Ten Variable Refrigerant Flow (VRF) Misconceptions	Key Steps to Successful Building HVAC Electrification
Refreshment break in Exhibit Hall (Sponsored by Samsung HVAC)		
Vermont Energy Code Update: 2023 RBES		Whole Building Airtightness Testing: The Meaning Behind the Numbers
Evening reception—all welcome to attend in the Lake Champlain Exhibit Hall (Sponsored by Andersen Windows)		

Exhibit Hall opens for registration and breakfast (Breakfast sponsored by Daikin Comfort Technologies)		
Ventilate Right: Tips for Effective Balanced Ventilation Design and Installation for Homes	Dirty Jobs: How to Manage Construction Waste & More	Artificial Intelligence and Simulation Calibration
Refreshment break in Exhibit Hall (Sponsored by Henry)		
Builders and Design Professionals Wanted: Homes for Socially Disadvantaged	Ask the Experts—How to Bring Electrification to Your Kitchen	Energy Modeling for Contractors and Architects
Refreshment break in Exhibit Hall (Sponsored by Henry)		
Thermal Decarbonization Policy: Burlington in the National Context	Contractors, Customers and Consumer Protection in Vermont	Wall and Roof Assembly Round Table—Builders Discuss Durability, Construction, and Carbon Impacts
Lunch (Sponsored by Vermont Gas Systems) in the Lake Champlain Exhibit Hall & The Atrium		
		EEN Overview
Exhibit Hall Closes		
What to Do with Existing Fossil Fuel Boilers?		How Indoor Environments Can Support Occupant Health
Refreshment break in Emerald Ballroom Promenade (Sponsored by Henry)		
Conference Adjourns		

Workshops

DAY 1: APRIL 5, 2023



Download the conference app for session descriptions, speaker bios, and more!

Search "Whova" in the App Store on your iPhone or in Google Play on your Android phone. Once downloaded, search for the event: BBD, in the Explore Events section.

10:00 AM–11:00 AM

🏠 Cannabis Cultivators and HVAC/ Dehumidification System Design AMPHITHEATRE

Paul Blanchard—F.W. Webb
Todd Bergeron—Logic Mechanical
AIA-LU, BPI

✝️ Climate Friendly Heat Pump Design and Installation DIAMOND I

Li Ling Young—Efficiency Vermont
Melissa Stewart—Efficiency Vermont
AIA-LU, BPI

🏠 Hitchhikers Guide to Electrifying your Multifamily Building EMERALD III

Steve O'Malley—Efficiency Vermont
Chris Boffa—Summit Properties
AIA-LU, BPI

≡ IDEAS by Design: Embedding Inclusion, Diversity, Equity, Access, and Social Justice EMERALD II

Dan Egol—IDEAS Generation
Baridilo Dube—IDEAS Generation
AIA-LU/HSW, BPI

✝️ The Past, Present, and Future of Light Sources EMERALD I

Benjamin Koyle—RAB Lighting
AIA-LU, BPI

🏠 HPwES for Efficiency Excellence Network Members—Part 1 DIAMOND II

Robyn King—Efficiency Vermont
AIA-LU, BPI

11:20 AM–12:20 PM

🏠 Fusing High-Performance and Pragmatic HVAC Design EMERALD I

Michael Gifford—Vermont Gas Systems
Jeremy Marrier—Nedde Real Estate
Grace Amao—Vermont Gas Systems
AIA-LU, BPI

🏠 Preserving History with a Fossil-Free Future AMPHITHEATRE

Liz Curry—CommonLand Solutions
Ryan Edwards—R. Edwards & Company
AIA-LU/HSW, BPI

🏠 VNRC Deep Energy/Net Zero retrofit: A Silk Purse out of a Sow's Ear EMERALD III

Megan Nedzinski—Vermont Integrated Architecture
Andrew Shapiro—Energy Balance
AIA-LU/HSW, BPI

🏠 Winooski School District Renovations DIAMOND I

David Epstein—TruexCullins Architecture and Interior Design
Cam Featherstonhaugh—TruexCullins Architecture and Interior Design
AIA-LU/HSW, BPI

≡ Workforce Development Training Center—Leading with Equity EMERALD II

Alison Donovan—VEIC
Cara Robeck—Energy Action Network
Paul Zabriskie—Capstone Community Action
AIA-LU, BPI

🏠 HPwES for Efficiency Excellence Network Members—Part 2 DIAMOND II

Robyn King—Efficiency Vermont
AIA-LU, BPI

12:30 PM–1:15 PM

EEN Overview AMPHITHEATRE

Cooper Thompson—Efficiency Vermont

1:30 PM–2:30 PM

✝️ 2023 Legislative Overview: The IRA Bill and New State Policies DIAMOND I

Dan Reilly—Efficiency Vermont
Haley Pero—Senator Sanders' Office
AIA-LU, BPI

🏠 Embodied and Operational Emissions in Retrofits EMERALD II

Jacob Racusin—New Frameworks
Megan Nedzinski—Vermont Integrated Architecture
AIA-LU/HSW, BPI

🏠 Key Steps to Successful Building HVAC Electrification AMPHITHEATRE

Mary Jane (MJ) Poynter—Efficiency Vermont
Jessica Thyme—Vermont Department of Buildings and General Services
AIA-LU, BPI

🏠 Kitchen Electrification: Trends, Opportunities, and Realities EMERALD III

Alec Bauer—Kitchen Restaurant + Bar Specialist
Christopher Galarza—Forward Dining Solutions
Jennifer Green—Burlington Electric Department
Joe McDonald—E3 Commercial Kitchen Solutions

AIA-LU/HSW, BPI

🏠 The Future of EVs is Here! EMERALD I

Tiana Smith—Green Mountain Power
Dan Goossen—Chittenden Solid Waste District
Jeff Weld—Casella Waste Systems

AIA-LU

✚ Ten Variable Refrigerant Flow (VRF) Misconceptions DIAMOND II

Lucas Knowles—Samsung HVAC

AIA-LU, BPI

3:00 PM–4:30 PM

🏠 Air-to-Water Heat Pumps—Demystified EMERALD I

Bill Chidsey—Solar Harvester
Steve Spatz—Efficiency Vermont

AIA-LU, BPI

🏠 Closing the Loop between the Grid and Its Buildings with FLM EMERALD II

Morgan Casella—Dynamic Organics
Cody Druschel—Dynamic Organics
Nick Rock—Control Technologies Inc.
Rick Stehmeyer—Control Technologies Inc.

AIA-LU, BPI

✚ How to Be Energy Resilient EMERALD III

Allison Ross—Efficiency Vermont
LTC Jacob Roy—Vermont Army National Guard
Cyril Brunner—Vermont Electric Co-Op

AIA-LU, BPI

🏠 Vermont Energy Code Update: 2023 RBES DIAMOND I

Richard Fasey—Energy Futures Group
Keith Levenson—Vermont Public Service Department

AIA-LU, BPI

🏠 Whole Building Airtightness Testing: The Meaning Behind the Numbers AMPHITHEATRE

Peter Yost—Energy Circle
Nate Gusakov—Zone 6 Energy

AIA-LU, BPI

DAY 2: THURSDAY, APRIL 6

8:30 AM–9:30 AM

✚ Addressing the Emissions in the Room EMERALD I

Erin Gallagher—Thornton Tomasetti

AIA-LU/HSW, BPI

🏠 Artificial Intelligence and Simulation Calibration AMPHITHEATRE

Josh Talbert—Efficiency Vermont
Jim Goldsmith—UVM Medical Center

AIA-LU, BPI

✚ Dirty Jobs: How to Manage Construction Waste & More DIAMOND II

Karen Knaebel—
VT Department of Environmental Conservation
Mia Roethlein—VT Department of Environmental Conservation
Jeff Bourdeau—VT Department of Environmental Conservation

AIA-LU/HSW, BPI

✚ Overcoming the Hiring Challenge Using Marketing Strategies EMERALD II

Peter Troast—Energy Circle

AIA-LU, BPI

KEY TO WORKSHOP TRACKS

🏠 C&I Co-sponsored by Ventacity Systems, Inc. and We Clean Heat Pumps

✚ Crossroads Sponsored by Minotair, Inc.

≡ DEI Sponsored by VEIC

🏠 Multifamily Sponsored by Mitsubishi Electric Trane HVAC US, LLC

🏠 Residential Sponsored by RST Thermal, Inc.



🏠 Pretty Good House Details EMERALD III
 Michael Maines—Maines Design
AIA-LU, BPI

🏠 Ventilate Right: Tips for Effective Balanced Ventilation Design and Installation for Homes DIAMOND I
 Karen S. Bushey—Efficiency Vermont
AIA-LU/HSW, BPI

10:00 AM–11:00 AM

🏠 Ask the Experts—How to Bring Electrification to Your Kitchen DIAMOND II
 Alec Bauer—Kitchen Restaurant + Bar Specialist
 Christopher Galarza—Forward Dining Solutions
 Joe McDonald—E3 Commercial Kitchen Solutions

🏠 Builders and Design Professionals Wanted: Homes for Socially Disadvantaged DIAMOND I
 Peter Schneider—Efficiency Vermont
AIA-LU/HSW, BPI

🏠 Energy Modeling for Contractors and Architects AMPHITHEATRE
 Gwendolen St.Sauveur—BTF Net Zero Designs
AIA-LU, BPI

🏠 Lighting Market Transformation: A Retrospective and Look Ahead EMERALD II
 Colin Santee—Efficiency Vermont
 Adam Tower—Efficiency Vermont
AIA-LU, BPI

🏠 Vapor Flow through Wall and Building Assemblies EMERALD I
 Steve Spatz—Efficiency Vermont
AIA-LU/HSW, BPI

🏠 Who's Counting? A Critical Survey of Carbon Emissions Accounting Standards for Electricity EMERALD III
 Daniel Jordan—Cx Associates
 Peter Sterling—Renewable Energy Vermont
AIA-LU, BPI

11:15 AM–12:15 PM

🏠 Alliance for Equity in the Built Environment EMERALD III
 Stephanie Clarke—White & Burke Real Estate Advisors
 Eveline Habermann—Cx Associates
 Catherine Lange—Freeman French Freeman
 Paul Suk-Hyun Yoon—CQ Strategies
 Nathalia Ellis—Freeman French Freeman
 Gail Henderson-King—White and Burke
AIA-LU/HSW, BPI

🏠 Can Mass Timber Solve Vermont's Development and Housing Problems? EMERALD I
 Ricky McLain—WoodWorks
AIA-LU/HSW, BPI

🏠 Contractors, Customers and Consumer Protection in Vermont DIAMOND II
 Christopher Curtis—VT Attorney General's Office
AIA-LU, BPI

✚ Thermal Decarbonization Policy: Burlington in the National Context DIAMOND I
 Darren Springer—Burlington Electric Department
 Chris Burns—Burlington Electric Department
 Jennifer Green—Burlington Electric Department
 Cristina Garcia—Building Electrification Institute
AIA-LU, BPI

🏠 Wall and Roof Assembly Round Table—Builders Discuss Durability, Construction, and Carbon Impacts AMPHITHEATRE
 Karen S. Bushey—Efficiency Vermont
 Alex Carver—Northern Timbers Construction
 Oakley Smith—Smith & McClain
 Andrew Leach—Leach Construction of Vermont
AIA-LU/HSW, BPI

✚ When More Is Worse: Life-Cycle Carbon in Low-EUI Buildings EMERALD II
 Heather Walters—Thornton Tomasetti
AIA-LU, BPI

12:30 PM–1:15 PM

EEN Overview AMPHITHEATRE
 Steve Casey—Efficiency Vermont

1:30 PM–3:00 PM

✚ 🏠 Choose the Right Heat Pump: Evaluating Performance and Heating Cost EMERALD I
 Li Ling Young—Efficiency Vermont
 Mary Jane (MJ) Poynter—Efficiency Vermont
AIA-LU, BPI

✚ 🏠 How Indoor Environments Can Support Occupant Health AMPHITHEATRE
 Dr. Stephanie Taylor—Building4Health
AIA-LU/HSW, BPI

✚ Making It Easy for All to Electrify: Retrofit Solutions EMERALD III
 Laura Capps—Efficiency Vermont
 Cyril Brunner—Vermont Electric Co-Op
 Zach Casey—Green Mountain Power
 Steve Fitzhugh—Northfield Electric Department
 Sarah Braese—Vermont Public Power Supply Authority
AIA-LU, BPI

🏠 Vermont Energy Code Update: 2023 CBES EMERALD II
 Keith Downes—Efficiency Vermont
 Keith Levenson—Vermont Public Service Department
 Eveline Habermann—Cx Associates
AIA-LU, BPI

🏠 What to Do with Existing Fossil Fuel Boilers? DIAMOND I
 Nick Thiltgen—DuBois & King
AIA-LU/HSW, BPI





Efficiency Excellence Network

Partner of the Year

company: **Vermont Foam Insulation**
contact: **Will Reed**
location: **Chester, VT**

Nomination criteria:

- A track record of positive customer interactions and feedback.
- Commitment to the principles and concepts needed to advance energy efficiency and drive the adoption of best practices.
- Embrace and promotion of Efficiency Vermont's mission, demonstrated through collaborations with Efficiency Vermont staff to understand and improve services offered and support a positive customer experience in the delivery of these services.

Leadership

company: **Al Jeffers & Sons**
contact: **Tim Jeffers**
location: **Townshend, VT**

Nomination criteria:

- Cutting edge or innovative approaches, willingness to try something new, participation in pilot programs.
 - Influence in the field of energy efficiency.
 - Commitment to the principles and concepts needed to advance energy efficiency and drive the adoption of best practices.
 - Integration of energy efficient solutions into projects, with a focus on achieving energy goals cost effectively for their customers.
-

Residential New Construction

Best of the Best

project: **Ridge Road**
company/owner: **Christopher & Amy Carey**
location: **Cornwall, VT**
partners: **Sheehan Construction,**
Vermont Integrated Architecture

Judging criteria:

- Demonstration of a comprehensive approach to energy-efficient new construction.
-

Affordability

project: **Stonewood Farms**
company/owner: **Peter Stone**
location: **Orwell, VT**
partners: **Pill-Maharam Architects,**
Tru Engineering, Harvestar

Judging criteria:

- Affordable construction costs and estimated energy costs.
-

Healthy Homes

project: **Morningside Drive**
company: **Turnkey Builders**
location: **Charlotte, VT**
partners: **Will Bown—Designer**

Judging criteria:

- Demonstration of a commitment to healthy home principles.
-

Commercial Building Design & Construction

CEA Cannabis Cultivation Facility

building: Clean Cannabis Cultivation Facility
owner/entrant: The Clean Cannabis Company
location: Hardwick, VT

Small New Construction

building: Upper Valley Community Transit Center
owner: Tri Valley Transit
entrant: Black River Design, Architects
location: Bradford, VT

Large New Construction

building: South Burlington City Hall,
Library & Senior Center
owner: City of South Burlington
entrant: Wiemann Lamphere Architects
location: South Burlington, VT

Small Renovation

building: Springfield Food Co-op
owner/entrant: Springfield Food Co-op
location: Springfield, VT

Judging criteria:

High Performance

- Demonstration of a comprehensive, whole-building approach to efficiency; Incorporation of innovative measures for optimal energy use.

Economics

- Energy efficiency, economic benefits, and cost-effectiveness of measures and strategies.

Building Design

- Overall design approach for purpose and/or site; Sustainability of measures/resources, including consideration of the embodied carbon of building materials; non-energy benefits.



Exhibitors & Sponsors



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Search "WhoVa" in the App Store on your iPhone or in Google Play on your Android phone. Once downloaded, search for the event: BBD, in the Explore Events section.

3E Thermal

Second Floor

Randy Drury
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475 High Performance Building Supply

Gold Sponsor / Booth 51

Johnny Rezvani
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ABCO HVACR Supply + Solutions

Platinum Sponsor / Booth 5

Esther Persons
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Andersen Windows

Platinum Sponsor / Booth 41

Derek Taylor
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<https://www.andersenwindows.com>



Better Business Bureau

Second Floor

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Bosch Thermotechnologies

Booth 29

Makyshia Brathwaite
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Build Equinox

Booth 20

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Building Performance Professionals Association of Vermont

Second Floor

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Burlington Electric Department (BED)

Bronze Sponsor / Second Floor

Chris Burns
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<https://www.burlingtonelectric.com>

Carroll Concrete

Booth 28

Erik Palmer
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Daikin Comfort Technologies

Gold Sponsor / Booth 57

Douglas Belokopitsky
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Darn Tough

Speaker Gift Sponsor / Second Floor

Andrew Oliveri
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EDOS Manufacturers' Reps

Booth 22

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Emerson Swan

Gold Sponsor / Booth 48

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Enertech Global

Booth 59

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Fujitsu General America, Inc.

Booth 35

Kim Banos
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Green Mountain Power

Silver Sponsor / Booth 50

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Green Mountain Solar

Booth 47

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Henry

Gold Sponsor / Booth 11

Shawn Spear
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Huber Engineered Woods

Booth 24

Will Contento
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<https://www.huberwood.com>

International Code Council

Second Floor

Bill Nash
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<https://www.iccsafe.org>

Johnstone Supply, The Balsan Group Gold Sponsor / Booth 55

Kristen Hoffman
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Kingspan Insulation Booth 32

Alec Minne
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<https://www.kingspan.com/us/en/business-groups/kingspan-insulation>

LFD Solutions Booth 17

Jeff Mann
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LG Electronics Bronze Sponsor / Booth 16

Mark Thomson
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Mestek (SpacePak) Booth 13

Meagan Harrington
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Minotair, Inc. Silver Sponsor / Booth 10

Alex De Gagné
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Mitsubishi Electric Trane HVAC US, LLC Silver Sponsor / Booth 40

Rachel Roy
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Modern Mill Booth 7

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New Frameworks Natural Design/Build Booth 43

Ace McArleton
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Pella Products, Inc. Bronze Sponsor / Booth 53

Jeff Stetter
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Pinnacle Window Solutions Booth 15

Kristopher Brill
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Renewal by Andersen of Vermont Booth 21

Cole Carrier
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ROCKWOOL Silver Sponsor / Booth 26

Pamela Jay
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Rotho Blaas USA, Inc. Bronze Sponsor / Booth 54

Eleonora Dalfovo
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RST Thermal, Inc. Silver Sponsor / Booth 60

Maryellen Hickey
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Samsung HVAC Diamond Sponsor / Booth 1

Lucas Knowles
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SAMSUNG
HVAC. Built brave.

Sierra Pacific Windows Silver Sponsor / Booth 19

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Stark Tech Silver Sponsor / Booth 25

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SunWood Biomass Booth 45

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Thermal Building Supply Second Floor

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Thermal Environment Sales Pre-Conference Tour Sponsor

Erik Bruhns
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<http://teshvac.com>

TimberHP Booth 3

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<https://www.timberhp.com>

Trane Technologies Booth 27

Brenda Amarant
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Urell Booth 18

Rich Fredette
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Ventacity Systems, Inc. Silver Sponsor / Booth 37

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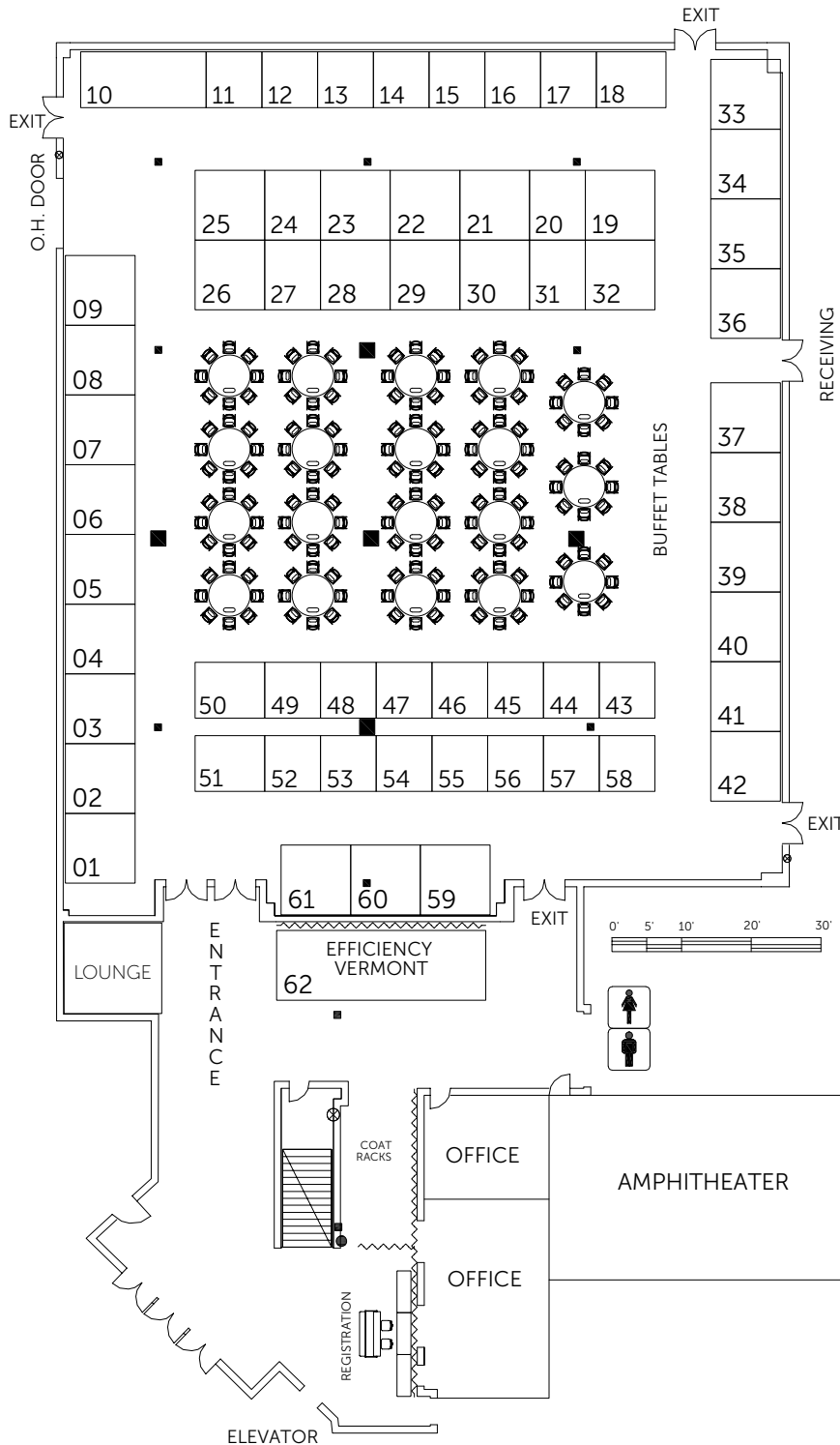
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Lake Champlain Exhibit Hall Floor Plan



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