version 1.4

PASSIVE HOUSE FOR ALL

EFFICIENCY
ELECTRIFICATION
EMBODIED CARBON
EQUITY

PHN 2022 Conference Overview

- Overview
- Acknowledgements
- Program Overview
- Program Detail
- District Hall Plan

Join us in Boston & Online June 10 & 17

The Passive House Network

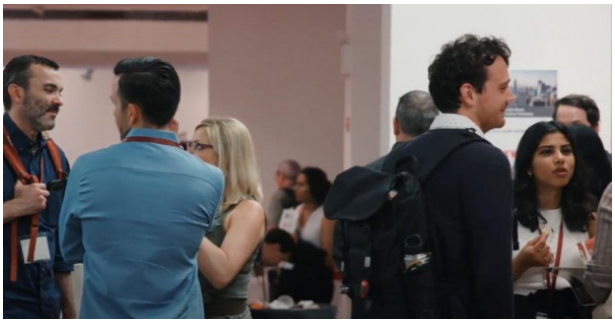
www.phnconference.org

Event Overview

The PHN 2022 Conference - Passive House for All - is a national event that connects building industry stakeholders to address the core social, health, and environmental imperatives of our time. Integrated strategies focused on energy efficiency, social equity, electrification, and embodied carbon emissions hold the key.

Discover how Passive House raises performance, supports electrification, and a green grid: How Passive House produces healthy, more equitable, and safer outcomes. Buildings built or renovated to Passive House standards address our fundamental needs. No matter your sustainability priorities, Passive House lays the foundation for your success. Join us and learn how Passive House can supercharge your efforts.


Winthrop Center



Join us in Boston and Online: You can attend 100% online or attend remotely on June 10 and then attend the in-person event on June 17. The event will include over 25 sessions, a manufacturers expo, workshops, building tours, and multiple occasions for happy hour social networking. Meet and mingle with your fellow change-makers. Register.

Pricing: The event is priced for accessibility. $225 for online only & $325 including in-person at District Hall. PHN Members receive a 20% discount. Students & Faculty: 75% OFF. Other discounts are available for NGOs and Public Employees. Email info@phnconference.org


District Hall



Get a Great Hotel Deal, Mitigate Your Carbon Footprint For Free: We've partnered with TripZero to provide discounted group hotel deals and mitigate the carbon footprint created by travel to this event. Find out more and make a reservation.

Acknowledgements

The Passive House Network would like to acknowledge the support of our sponsors, and outreach partners. We couldn't do it without you. Thank you!

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An additional thank you to everyone who helped provide input and facilitate our event content. A short list appears here. Apologies to those we've missed!

Aaron Gunderson, Passive House Massachusetts
Bronwyn Barry, PassiveHouseBB
Beverly Craig, MassCEC
Craig Stevenson, AUROS Group
Emily Jones, LISC
Gregory King, TSK Energy Solutions LLC
Hank Keating, Passive House Massachusetts
Heather Clark, RMI
Jessica Grove-Smith, Passive House Institute
John Dalzell, City of Boston
Julie Janiski, Buro Happold
Julie Klump, POAH
Kathryn Wright, Barr Foundation
Marine Sanchez, RDH
Stephen Moore, Steven Winter Associates
Yu Ann Tan, RMI

And a final deep felt thank you to the speakers, moderators, volunteers, tour guides and more, you are the heart of what makes this a high-quality event.

Exhibitor Sponsors

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vermont passive house

Passive House For All
Conference Program Overview

Efficiency | Electrification | Embodied Carbon | Equity

Boston & Online | June 10 & 17

www.phnconference.org

Friday, June 10

10:30 AM - 7 PM ET | Remote attendance only.

Opening Remarks

Meeting the Market with Efficiency
A market-rate multifamily case study at 52 FIsher Avenue, Boston.

Speculative Solutions: Passive House Potential in the Biolab Building Boom
How might the Passive House approach help tame these energy leviathans.

Nice outPHit!
The panelized Passive House Institute retrofit program emerges to scale Passive House renovations.

IAQ at the World's Largest Passive House Premium Building
Initial post-occupancy indoor air quality performance on the Erne Campus.

An Education in Harnessing Efficiency
A University of Southern Maine student residence delivers affordability for students.

PER & PHribbon: The Passive House Dynamic Duo
Passive House practitioners have tools to drive electrification and embodied carbon.

Passive House from the Grassroots
Democratic community control and Passive House in a battle to disrupt and fight gentrification.

Get Cool, Stay Cool
Overheating mitigation and efficient cooling strategies in our neighborhoods and buildings.

Passive House, Large Scale Development & Electrification
A case study in commitment to low-carbon long-term sustainability in Newton MA.

Financing the Energy Transition
Innovations in financing building energy efficiency.

Scaling Historic Masonry Retrofits
Historic preservation, efficient construction process, Certified Passive House performance.

Who's Going to Build It All?
Workforce development, incentives, and equitable outcomes. What's been working, what's planned, what's missing.

Certified Efficiency
An exploration of building certification, the process, the players, the reasons and the outcomes.

A Kitchen for 750 Please, Hold the Gas
Making commercial all-electric kitchens Passive House efficient with a focus on ventilation and waste water heat recovery.

Advancing All-Wood Design & Carbon Storage in the Built Environment
A pilot project case study of a Maine school pushes the boundaries.

Racism, Housing, Community Development, Passive House
The history, legacy, and commitment to break down structural barriers.

The New Frontier, Downtown: The Passive House Office Building
Winthrop Center, Boston, is reshaping workplace expectations.

The Chef's Kitchen: All-Electric
In our quest to electrify everything, all-electric kitchens are counterintuitively compelling. Hear it from the chef.

Retrofit First: Occupied Apartment Tower Step-by-Step EnerPHit
Lessons learned from multi-phase 20-story retrofit with occupants in place.

The Future of Building Standards
A new mix of codes, incentives, and zoning must quickly drive our industry transformation. What's to come?

Online Social

Thursday, June 16

PHPP10 Preview Plus
A review of the new features and adjustments in the updated Passive House energy modeling platform & other PHI news with PHI Director, Jessica Grove-Smith.

2 - 5:00 PM ET | In-Person Attendance
(not included in conference registration)

Welcome Reception & Expo
Meet and greet speakers, attendees and expo suppliers & service providers over drinks, opening remarks & a special trailblazer award presentation.

6 - 8 PM ET | In-Person Attendance
(INCLUDED)

Saturday, June 18

Buildings Tour

#1 Office Tower
Winthrop Center, the first Passive House office high-rise in North America.

#2 Multifamily
The Loop at Mattapan Station.

#3 Single-Family Home
Get the details from owner and Passive House Certifier.

#4 The Waring School
Experience Passive House supporting students education.

8:30 AM - 5:00 PM ET | In-Person Attendance
Not included.
Conference registration required.

Friday, June 17

8 AM - 8 PM ET | Remote & In-Person Attendance

Expo

Welcome Remarks

The Power of Efficiency
How is energy efficiency driving performance & sustainability?

Making All-Electric Choices
What electrification pathways can we plug into the grid and optimally leverage efficiency?

Lunch Expo

Tackling Embodied Carbon
How will our efficient all-electric buildings drive down embodied carbon?

The Equity Imperative
Making social equity a full partner in our definition of sustainability.

Supporting Equitable Sustainability
How do we fund, incentivize an support choices that drive sustainable communities?

Closing Remarks

Happy Hour Social & Expo

Overview:

The PHN 2022 Conference - Passive House for All - is a national event that connects building industry stakeholders to successfully address the core social, health, and environmental imperatives of our time.

Integrated strategies focused on efficiency, equity, electrification, and embodied carbon holds the key.

June 10 provides expert topic-specific sessions, in support of June 17 panel discussions. Then on June 17, expert panel discussions organized around efficiency, equity, electrification, and embodied carbon connect the dots and push us to action.

www.phnconference.org
www.passivehousenetwork.org
Questions or comments?
Email info@phnconference.org

Produced by:
The Passive House Network

Host Sponsor: ROCKWOOL

Host Partner: PASSIVEhouse MASSACHUSETTS

Global Partner: Passive House Institute

Online Only

June 10
10:30 - 11 am ET
Opening Remarks
Welcome from The Passive House Network, Passive House Massachusetts, and the Passive House Institute. With opening remarks on war driven energy instability and the imperative for Efficiency Now! by PHI Founder, Wolfgang Feist.

Speakers:
Craig Stevenson, AUROS Group
Hank Keating, Passive House Massachusetts
Wolfgang Feist, Passive House Institute

June 10
11 am - Noon ET
Meeting the Market with Efficiency (AIA# 219)
A market-rate multifamily case study at 52 Fisher Avenue, Boston.

Targeting first-time homebuyers, high levels of sustainability and an aggressive schedule on a tricky site, this condo project is a case study in getting it done. Find out how from the developer and architect.

Speakers:
Zeina Talje, Z Capital Investments
Travis Anderson, City of Boston, BPDA

June 10
11 am - Noon ET
Speculative Solutions: Passive House Potential in the Biolab Building Boom (AIA# 224)
A panel discussion about how the Passive House approach can help tame these energy leviathans.

The world is awash in building laboratory research facilities and nowhere can likely claim a higher concentration than the Boston metro area. They are massive energy consumers and traditionally rely heavily on fossil fuel combustion. But shouldn't cutting-edge research be supported by future-proof buildings? So, today with the push to eliminate on-site combustion, energy efficiency and integrated approaches to drive down the energy loads are a logical focus. Passive House should be well suited to help, but to what extent? This expert panel discussion dives into the misconceptions, the opportunities, the gaps, and future areas of inquiry.

Speakers:
Alejandra Menchaca, Thornton Tomasetti
Blake Jackson, Stantec
Jacob Knowles, BR+A Consulting Engineers
Wolfgang Hasper, Passive House Institute

Moderator:
Beth Eckenrode, AUROS Group

June 10
11 am - Noon ET
Nice outPHit! (AIA# 229)
The Passive House Institute panelized retrofit program emerges to scale Passive House renovations.

Energiesprong meets Passive House performance in this emerging PHI program developed to drive scalable deep energy retrofits. Find out about initial case studies and the results from the PHI program manager and project leaders.

Speakers:
Etienne Vekemans, Propassif
Fabian Ochs, University of Innsbruck
Jan Steiger, Passive House Institute
Nuria Diaz, Formacion Passivhaus
Stefan Pallantzas, Hellenic Passive House Institute

June 10
11 am - Noon ET
Indoor Air Quality at the World's Largest Passive House Premium Building (AIA# 234)
Initial post-occupancy Indoor Air Quality data on the Erne Campus - the world's largest Passive House Premium Building.

The Erne Campus is the first Passive House Premium Building in the UK and is the largest Passive House Premium Building in the World. Indoor Air Quality (IAQ) in buildings has never been as relevant as in current times with the issues such as the transmission of Covid-19. This exciting real-world study will present initial post-occupancy CO2 and Temperature data in the heating season for this new fully-certified Passive House Premium Building. This presentation will also contextualize the benefits with projected running costs against existing energy data. The crux of the session will focus on initial performance data accrued to date since October 2021, consisting of CO2 and Temperature.

Speakers:
Barry McCarron, Passive House Association Ireland
Siobhan Ferguson, South West College

Online Only

June 10
12:30 - 1:30 pm ET
The New Frontier, Downtown: The Passive Spec Office Building (AIA# 223)
A downtown Boston high rise case study in reshaping workplace expectations.

Winthrop Center, located in the heart of Downtown Boston, is set to feature the largest core and shell Passive House office space in the world when completed in 2023. Construction on the 21 floors of Passive House office, totaling 800,000 gross SF, is currently nearing completion. Take an in depth look at the project's overall progress as well lessons learned from the construction. Floor by floor compartmentalization air sealing strategies, testing methods for large-scale projects, unitized curtain wall installation, and duct sealing. The coordination effort and synergy required to ensure a project of this scale and complexity is completed successfully.

Speakers:
Brad Mahoney, MP Boston
Dylan Martello, Steven Winter Associates
Frank Delledera, Suffolk
Joelle Jahn, WSP USA

June 10
12:30 - 1:30 pm ET
PER & PHribbon: A Passive House Dynamic Duo (AIA# 225)
Passive House practitioner tools to drive electrification up and embodied carbon down.

The Passive House Institute (PHI) and the global Passive House community are constantly pushing to accomplish sustainable future-proof outcomes. Two complementary aspects are the drive toward optimizing buildings for a future all-renewable energy supply and the need to radically reduce embodied carbon emissions. In 2015 PHI launched the concept and practical strategy of "Primary Energy Renewable" or PER, a methodology that pushes buildings toward electrification and greater efficiency - and transforms how we can understand and achieve optimized outcomes. And led by the AECB in the UK, Passive House practitioners began to build and popularize the PHribbon, a tool to enable Passive House consultants to calculate embodied carbon emissions in an integrated manner with the PHPP Passive House energy model - providing teams to tackle embodied carbon as part of their optimization process. Get the basics for both and discover how it can support your goals in this session.

Speakers:
Bronwyn Barry, PassiveHouseBB
Jessica Grove-Smith, Passive House Institute

June 10
12:30 - 1:30 pm ET
Passive House from the Grassroots (AIA# 231)
Democratic community control and Passive House in a battle to disrupt and fight gentrification.

How are low-income grassroots POC using Passive House to fight gentrification? The answer may lie in democratic community control that by-passes the non-profit industrial complex, not just speculative real estate development. The Montopolis CDC in Austin, Texas has been at the forefront of these struggles and offers some lessons learned in this presentation.

Speaker:
Fred McGhee, Montopolis Community Development Corporation

June 10
12:30 - 1:30 pm ET
Get Cool, Stay Cool (AIA# 237)
Overheating mitigation and efficient cooling strategies in our neighborhoods and buildings.

Staying cool is becoming a hot topic. From underinvestment in neighborhood infrastructure to buildings seemingly constructed oblivious to the thermal and economic needs of occupants, as heat waves reach greater extremes and regularity - Passive House and the physical and social context the buildings occupy will determine how successful we can be. Hear strategies for environmental and social investment in combination with the latest thinking about passive cooling strategies that mitigate active cooling loads, and then provide appropriate active strategies we can implement. Let's be sure everyone is comfortable and healthy as the pavement melts outside.

Speakers:
Oliver Styles, Praxis Resilient Buildings
Sahara James, Kinetic Communities Consulting

Online Only

June 10
2 - 3 pm ET
Passive House, Large Scale Development & Electrification (AIA# 221)
A case study in commitment to low-carbon long-term sustainability in Newton MA.

The Northland Newton Development in Newton, MA, is set to become one of the largest all-electric Passive House multifamily developments in the world. 800 units, both market rate and affordable, spread out over 9 buildings in a 22 acre-village style setting are being designed to the Passive House standard utilizing all electric MEP systems. This session will cover the evolution of the project from early conceptual design and planning to Construction Documents. Specific topics that will be covered include the importance of a fully integrated team, all electric heating and DHW systems in the challenging climate of Eastern Massachusetts, marketability of Passive House construction, and occupant comfort.

Speakers:
Dylan Martello, Steven Winter Associates
Kent Gonzales, Northland
Michelle Lambert, Lambert Sustainability

June 10
2 - 3 pm ET
Financing the Energy Transition (AIA# 238)
Innovations in financing building energy efficiency.

The capital stack of building development financing is, if complicated, fairly well understood, as is the need to underwrite to energy efficiency savings. Yet, in a world of seemingly endless financial instrument innovations, there are new financial possibilities that Passive House buildings can utilize to not just save money but perhaps even, to make money. This panel discussion looks at some new emerging vehicles for making Passive House energy efficiency pay.

Speakers:
Matt Golden, Recurve
Steve Fawkes, ep group
Rob Harmon, MEETS Coalition

Moderator:
Katelyn Meehan, Wells Fargo

June 10
2 - 3 pm ET
Scaling Historic Masonry Retrofits (AIA# 230)
Historic masonry factories, warehouses and housing abound. Let's apply lessons learned and upgrade them to Passive House performance.

An 1899 masonry townhouse retrofit serves as the incubator and exemplar of historic masonry Passive House retrofit strategies. Hear from the architect, consultant and builder about real-world conditions and strategies - and how we can connect the dots to address at scale the needs of industrial building upgrades.

Speakers:
Andrew Fishman, SMR Craftworks, Inc.
John Mitchell, bldgtyp, llc
Michael Ingui, Baxt Ingui Architects
Will Conner, Baxt Ingui Architects

June 10
2 - 3 pm ET
Who's Going to Build It All? Workforce Development, Incentives & Equitable Outcomes (AIA# 236)
What's been working, what's being planned, what's missing? How will we drive prosperous employment for all.

Massachusetts has been an exemplar in engaging and funding workforce development. Yet the difficulty in connecting job training with emerging market needs is well appreciated, as is the need to close the gaps, reach the under-represented, and provide a workforce that is capable of implementing the market transformation being designed. Hear from a variety of experiences and perspectives in a discussion of what needs to happen next to push for social equity and industry capacity.

Speakers:
Aaron Gunderson, Passive House Massachusetts
Beverly Craig, MassCEC
Chris Legiadre, The Community Builders Inc.
Mark Pignatelli, ICF

Online Only

June 10
3:30 - 4:30 pm ET
Certified Efficiency (AIA# 222)
An exploration of building certification, the process, the players, the reasons and the outcomes.

Certified Passive House Consultant and an Accredited Passive House Certifier tell their personal journeys through Passive House design, construction and certification of their homes, what the process meant to them, the lessons learned and tips for all to benefit from, going forward.

Speakers:
Matthew Bowers, Rochester Passive House
Vlad Pezel, eMod Studio

June 10
3:30 - 4:30 pm ET
A Kitchen For 750 Please, Hold the Gas (AIA# 226)
Making commercial all-electric kitchens Passive House efficient with a focus on ventilation and wastewater heat recovery.

When the University of Toronto committed to go all-electric for its new student residence building - one of the biggest challenges to hit Passive House certification would be the full commercial kitchen required. This presentation hits unique strategies incorporated in the mechanical systems design to recover thermal energy from the buildings wastewater and the kitchen's exhaust air. Find out the methods to implement in your next commercial kitchen project - and hit Passive House performance.

Speakers:
David MacKeracher, MCW
Marine Sanchez, RDH Building Science
Melissa Light, MCW

June 10
3:30 - 4:30 pm ET
Advancing All-Wood Design and Carbon Storage in the Built Environment (AIA# 232)
A pilot project case study of a Maine school pushes the boundaries of sustainability and collects the data.

In the quest for beautiful high-performance Passive House buildings that utilize low carbon biogenic materials, and prefabrication, hear about this in-depth pilot test case. This session investigates lessons learned and data collected from a 1,000sf CLT + wood fiber panelized prefab schoolhouse project in Maine. As emerging technologies, both CLT and wood fiber insulation deserve detailed study in how they perform in a real world application. The session will dive into the process and details, and see the results as measured by over 100 thermal/moisture sensors at various depths in the wall and roof assemblies.

Speakers:
Matthew O'Malia, OPAL Architecture / Timber HP by GO Lab

June 10
3:30 - 4:30 pm ET
Racism, Housing, Community Development, Passive House (AIA# 235)
The history, legacy, and commitment to break down structural barriers.

Understanding the compounding effects of systemic racism over time is critical to deconstructing our built environment, and to create new initiatives and policies that are both transformational and measurable. Rebuilding communities to a higher standard has become a means of building critical infrastructure, which must be viewed through the lens of social justice to create an aesthetic focused on equal and equitable development, which are socially and economically responsible and reflective of the community and the immediate needs of the people.

Speakers:
Alan Dones, Strategic Urban Development Alliance, LLC
Ana McPhail, Leadership in Engineering Equitable Participation (LEEP)
Eddy Voltaire, Design Construction & Sustainability Inc.
Derrick Tillman, Bridging the Gap Development, LLC

Online Only

June 10
5 - 6 pm ET
An Education in Harnessing Efficiency (AIA# 220)
A new residence hall at the University of Southern Maine delivers institutional sustainability goals with Passive House efficiency.

The Portland Commons Residence Hall is part of the University of Southern Maine's Portland Campus transformation. The 580-bed residence will provide an affordable housing option with amenities that include Passive House certified comfort. Now under construction, hear from project team members about how the financing, design, engineering, and integrated optimization are delivering this state-of-the-art facility for students.

Speakers:
Aaron Witham, University of Southern Maine
John Martin, Elkus Manfredi Architects
Thomas Moore, Steven Winter Associates
Walker May, Capstone Development Partners, LLC

June 10
5 - 6 pm ET
The Chef's Kitchen: All-Electric (AIA# 227)
In our quest to electrify everything, all-electric kitchens - residential & commercial - are counterintuitively compelling. Hear it from the chef.

Do you care about cooking quality? Your health? Your comfort? Then stop blindly hugging your gas stove! For both residential and commercial applications, hear about the where what, and why of kitchen electrification. Find out about the fast-moving electrification of kitchen systems and deployment of alternative cooking technologies. Don't let the kitchen be an excuse to not electrify. Chef Christopher Galarza will show you the way.

Speaker:
Christopher Galarza, Forward Dining Solutions LLC

June 10
5 - 6 pm ET
Retrofit First: Occupied Apartment Tower Step-by-Step EnerPHit (AIA# 233)
Lessons learned from multi-phase 20-story retrofit with occupants in place.

A 20-story, 300 unit, affordable housing tower built-in 1974, the Raymond Desmond Manor, was often uncomfortable in the winter and summer, while energy consumed half the operating budget. Fully occupied and in need of upgrades to all significant building components, the building owner, Windsor Essex Community Housing Corporation, set out to do a 4-phase step-by-step EnerPHit renovation, while leaving the tenants in place. Hear about the challenges and solutions that have emerged during Phase 3 of the exterior envelope upgrades. From design concepts, to sequencing of measures, to airtightness testing with live-in tenants, the presentation will reveal the practical lessons learned and transferable knowledge gained from this beacon project.

Speakers:
Andrew Peel, Peel Passive House
Hans Kogel, Windsor Essex Community Housing Corporation
Jennifer Hogan, Pretium

June 10
5 - 6 pm ET
The Future of Building Standards (AIA# 228)
A new potent mix of codes, incentives, and zoning must quickly drive our industry transformation. What's going on? A panel discussion.

The building code has been the driver of performance standards historically - but in the race to decarbonize, new regulatory and market drivers are competing for dominance. What's shifting? Who's leading? What's to come?

Speakers:
Christopher Higgins, City of Vancouver
Greg Hale, NYSERDA
Hank Keating, Passive House Massachusetts

Moderator:
Bronwyn Barry, PassiveHouseBB

June 10
6 - 6:45 pm ET
Online Social
Join other participants in a round robin of breakout rooms to meet and discuss the topics and issues of the day and more. Relax, connect, and build your Passive House community.

District Hall, Boston & Online

8:00 - 9:00 am ET
EXPO & COFFEE
Grab your badge and coffee and meet Passive House component and service providers before settling in for the opening.

9 - 9:30 am ET
Welcome Remarks
Welcome from host group Passive House Massachusetts, host sponsor Rockwool, The Passive House Network and more.
speakers to be announced.

9:30 - 10:45 am ET
The Power of Efficiency (AIA# 241)
How is energy efficiency driving performance today?

That conservation is fundamental to moving in the world successfully has been well understood from Newtonian Laws to the enduring wisdom of Native Peoples' Traditions and Cultures. Yet the rush of modernity discounted this view to devastating effects. Today as we work to repair our broken world, setting a course for sustainable outcomes, energy conservation struggles to be defined in today's cultural currency of ROI. Passive House is a methodology that takes energy conservation to heart and leverages efficiency to produce wide-ranging positive impacts. How does Passive House wield efficiency to drive high performance? What are the new frontiers? How can efficiency underpin better regulation and commerce - providing comfort and quality that supports all people and communities? This opening panel establishes and explores Passive House's core message: efficiency first.

Speakers:
Alea German, Frontier Energy
Brad Mahoney, MP Boston
Jessica Grove-Smith, Passive House Institute
Paul Ormond, DOER
Moderator:
Beth Eckenrode, AUROS Group

10:45 am - 11:15 pm ET
EXPO BREAK

11:15 am - 12:30 pm ET
Making All-Electric Choices (AIA# 242)
What electrification pathways can we plug into the grid and optimally leverage efficiency?

Just stop burning fossil fuels. It's a simple & effective mantra. But as we push combustion out of our cars, buildings, and grid, success becomes increasingly contingent. What are the choices we're confronting at the building and grid levels? What are the opportunities and obstacles to greater resilience and faster implementation? How can Passive House buildings best support our energy transformation? Where are the gaps in whole systems thinking, and how can we close them? This panel challenges us to make optimized all-electric choices.

Panelists:
Ariel Horowitz, MassCEC
Kent Gonzales, Northland
Marine Sanchez, RDH
Matt Rusteika, Building Decarbonization Coalition
Rob Buchanan, Xcel Energy
Moderator:
Lori Atwater, Transformation Village Inc.

12:30 am - 1:30 pm ET
LUNCH EXPO BREAK
Happening in-person and online.

District Hall, Boston & Online

1:30 - 2:45 pm ET

Tackling Embodied Carbon (AIA# 243)

How will our efficient all-electric buildings drive down embodied carbon emissions?

To maximize climate impact, in addition to conserving building operational energy, we need to address the energy that goes into making and maintaining our buildings. The energy we expend to make building components and construct & maintain buildings is called embodied energy. The emissions produced by those energy expenditures are called embodied carbon emissions, or embodied carbon. Because the window for meaningful climate action is closing rapidly, emissions saved today in constructing the building can be exponentially more impactful than emissions saved in the future. Consequently, the benefits of Passive House efficiency should be paired, as a tag-team, with very low and even negative embodied carbon emissions strategies. Can we tackle one without discounting the other? Will they compete or complement each other? The convergence of these efforts is at the front edge of sustainable building. This panel discussion explores this convergence and its implications.

Speakers:
Jennifer Taranto, STO Building Group
Matt O'Malia, OPAL Architecture / Timber HP by GO Lab
Patrick Haydon, Haycon
Travis Anderson, City of Boston, BPDA
Moderator:
Julie Janiski, Buro Happold

2:45 pm - 3:15 pm ET

EXPO BREAK

3:15 - 4:15 pm ET

The Equity Imperative (AIA# 244)

Making social equity a full partner in our definition of sustainability.

What are the mechanisms to ensure that the building revolution reaches and enriches all people? What are the benefits of high-quality Passive House buildings? In our "energy transition," what are the priorities? How do we make high-performance new-build and retrofit construction more inclusive? Varied perspectives - from delivering health and affordability benefits to community development, and student care, to growing entrepreneurship for people of color - will explore what's happening, what's missing, and what could be next in our drive to make social equity a full partner in our definition of sustainability.

Speakers:
Aaron Witham, University of Southern Maine
Alexis Washburn, Emerald Cities Collaborative
Derrick Tillman, Bridging the Gap Development, LLC
Yu Ann Tan, RMI
Moderator:
Eddy Voltaire, Design Construction & Sustainability Inc.

4:15 am - 4:30 pm ET

STRETCH BREAK

4:30 - 5:30 pm ET

Supporting Equitable Sustainability (AIA# 245)

How do we fund, incentivize and support choices that drive sustainable communities?

Achieving more sustainable outcomes cannot be separated from more equitable outcomes. Intertwined, how is the building industry recognizing and supporting this reality? How aren't we? And how should we? How do we fund, incentivize and support choices that drive equitable, deep sustainability? Gentrification, public housing, economic opportunities, breakdown of structural impediments, access to capital, inclusive processes, and more are all issues in play. This panel looks to connect the dots and point toward strategies for sustainable communities that Passive House and the building industry can support.

Speakers:
Aidan Callan, City of Boston
Beverly Craig, MassCEC
Corey Thompson, Mobius Community Builders
Gregory King, Managing Director, TSK Energy Solutions LLC
Moderator:
Ken Levenson, The Passive House Network

5:30 - 5:45 pm ET

Closing Remarks

Closing thoughts, thanks and announcing 2023 conference plans.
speakers to be announced...

5:45 - 7:30 pm ET

Happy Hour Expo Social

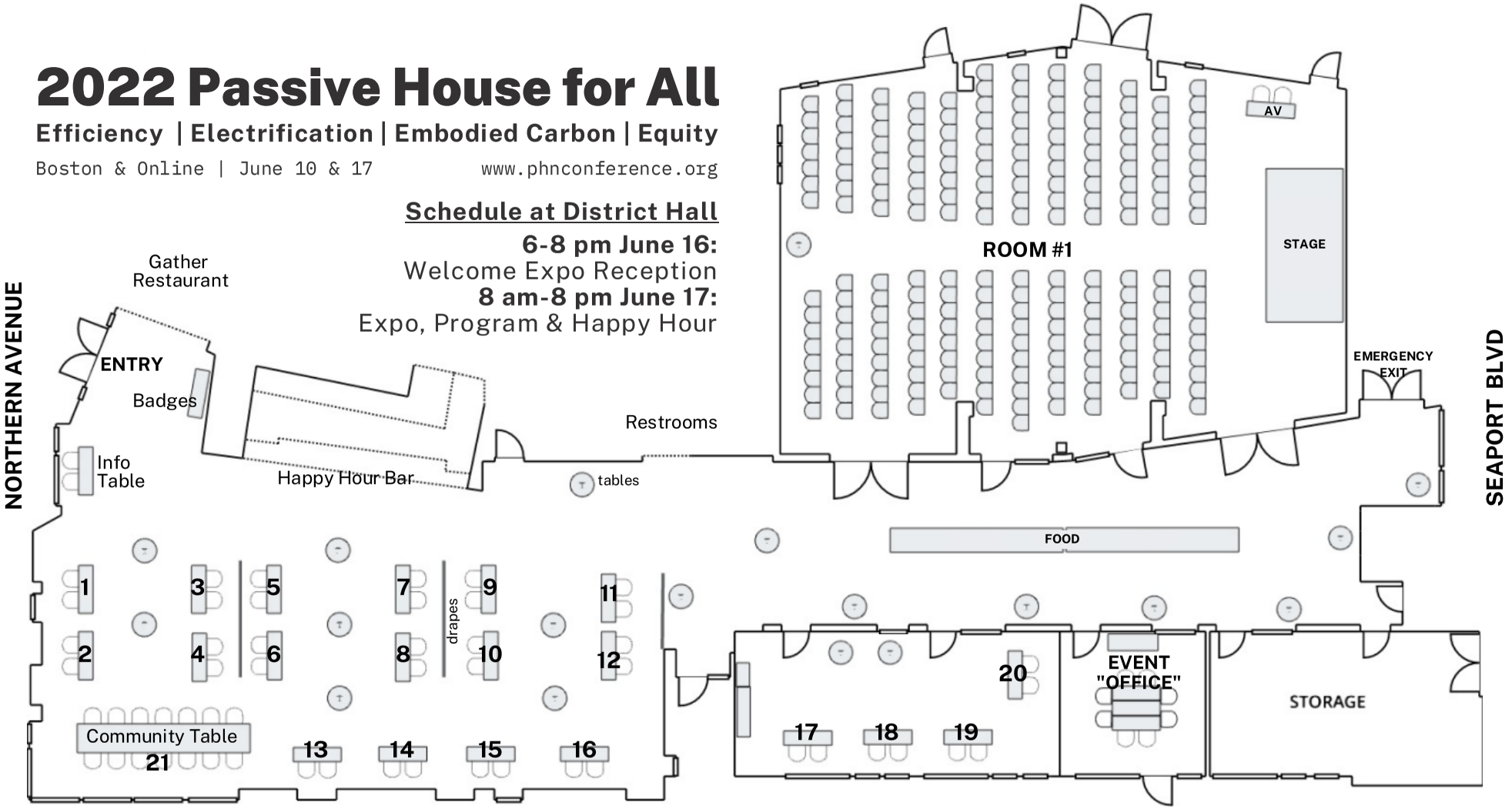
2022 Passive House for All

Efficiency | Electrification | Embodied Carbon | Equity

Boston & Online | June 10 & 17 www.phnconference.org

Schedule at District Hall

6-8 pm June 16:
Welcome Expo Reception
8 am-8 pm June 17:
Expo, Program & Happy Hour



Exhibitor Locations

1. Wythe Windows
2. 475 High Performance Building supply
3. Zehnder America
4. Steven Winter Associates
5. Alpen High Performance Products
6. AHA Engineers
7. Aero Aggregates of North America
8. Ventacity
9. INTUS Windows & Doors
10. Blueprint Robotics
11. Rothoblaas
12. Swegon
13. Rockwool
14. Schuco America
15. Stantec Architecture
16. Owens Corning
17. Minotair
18. Cranshaw Construction
19. SIGA
20. MassCEC

Floor Plan

District Hall
75 Northern Avenue, Boston

The Passive House Network