

PASSIVE FOR ALL HOUSE

COMFORT · HEALTH · EQUITY · SECURITY



PH2021 CONFERENCE PROGRAM

THURSDAY, JUNE 10

Opening Plenary – Passive House: A Global Community of Action

Thursday, June 10, Noon-1 PM ET

PH2021-01

As Passive House grows, reaching across climates, countries, and continents, to China, and the global south, the conversations, and concerns are becoming more diverse. Hear how the Passive House Institute is not only embracing this reality but helping drive it, and perhaps surprisingly connecting the journey to its origins. Discover how a global movement is changing how the world thinks about buildings.

Opening Remarks:

- Bronwyn Barry, NAPHN Board Chair
- Ken Levenson, NAPHN Executive Director
- Janet Joseph, NYSERDA Senior Vice President for Strategy and Market Development

Speakers

- Dr. Wolfgang Feist, Passive House Institute
- Jessica Grove-Smith, Passive House Institute
- Elena Reyes Bernal, Passive House Institute
- Wei Kuang, Passive House Institute

As Goes The City of Exeter, So Goes The United Kingdom: experience Passive House acceleration

Thursday, June 10, 1:30-2:30 PM ET

PH2021-02

A decade ago the City of Exeter began a Passive House journey that has led to a transformation of the cities' development practices and has been at the vanguard of fast-growing Passive House development activity across the UK. Focused on occupant health, comfort, durability, and accessibility, hear the story, the lessons learned, and what is on the horizon from the UK's largest Passive House developer.

Speaker:

- Emma Osmundsen, Exeter City Living

Nuutsumut Lelum: Passive House multifamily in Service of an Indigenous Community

Thursday, June 10, 1:30-2:30 PM ET

PH2021-03

Designed for a diverse Indigenous community including families, elders, and youth, anchored by communal spaces - referencing Northwest Coastal Indigenous longhouse buildings. Hear from the owner, designer, builder, and operator about how a complex context set up this elegant solution and how it is being lived in today.

Speakers:

- Mark Ashby, Fold Architecture Inc.
- Tomas O'Brien, Nanaimo Aboriginal Centre
- David Simpson, dys architecture
- Darcy Imada, dys architecture
- Karl Binder, Saywell Contracting Ltd.
- Walter Hoogland, Telus

Designing to Scale Retrofits: A quest to make existing buildings climate solutions

Thursday, June 10, 1:30-2:30 PM ET

PH2021-04

This is a joint session with design teams from NYCHA's first deep energy retrofit and Syracuse University, Winding Ridge apartment retrofit project, and NYSERDA. Find out about what it means to design scalable and replicable low-energy retrofit solutions looking at the eight predominant multifamily building typologies in New York State and relevance to productized approach, including existing and emerging technologies.

Speakers:

- Nina Sharifi, Syracuse University
- Caitlin Martusewicz, Cycle Architecture + Planning
- Tony Daniels, Cycle Architecture + Planning
- James Geppner, NYSERDA

Let's Make a Passive House Deal: how does your banker get to "yes"

Thursday, June 10, 3-4 PM ET

PH2021-05

A panel discussion of lenders and dealmakers about lending, value, risk, Passive House certification, and getting Passive House deals done.

Moderator:

- Beth Eckenrode, Auros Group

Panelists:

- Sadie McKeown, Community Preservation Corporation
- Jennifer Leone, NYC Housing Preservation & Development
- Sharmi A Sobhan, Chase Bank
- Mark Curtiss, Massachusetts Housing Partnership

EnerPHit Retrofits to New Heights: a multifamily tower is reborn

Thursday, June 10, 3-4 PM ET

PH2021-06

The landmark, Ken Soble tower, undergoes a modernization program to ensure long-term asset viability, secure housing quality, and indoor comfort for seniors residents while reducing the building's environmental impact. Learn about the details, the systems, and process that made it happen.

Speakers:

- Ya'el Santopinto, ERA Architects Inc.
- Graeme Stewart, ERA Architects Inc.

Pride of Place: Investing in Downtown Transformation

Thursday, June 10, 3-4 PM ET

PH2021-07

New York State's Downtown Revitalization Initiative (DRI) is transforming downtown neighborhoods into vibrant communities for all New Yorkers. Recognizing that companies are increasingly seeking to relocate and invest in vibrant, walkable downtowns in an effort to attract and retain a talented workforce, DRI is an investment to improve the vitality of urban centers across New York State. Hear examples from across New York.

Speakers

- Lori Borowiak, NYSEERDA
- Mara Kravitz, MatriArch Development
- David Szlasa, Basilica Hudson

Practice, Passive House & Priorities: the new meanings of work balance

Thursday, June 10, 4:30-5:30 PM ET

PH2021-08

There is a growing awareness that our work must actively engage and support solutions to our climate, health, and social justice crises, providing new challenges and opportunities for positive transformation. A panel discussion and Q&A will explore how we are examining, prioritizing, and engaging these imperatives in our workplace and our building projects.

Moderator:

- Beth Eckenrode, Auros Group

Panelists:

- Jonathan Moody, Moody Nolan Architects
- John Rezvani, 475 High Performance Building Supply
- Shawn Hesse, International Living Futures Institute
- Sophia Rini, Rockwool

Breaking Ground: community, affordable housing & Passive House

Thursday, June 10, 4:30-5:30 PM ET

PH2021-09

Breaking Ground is a non-profit focused on affordable housing paired with wraparound services designed to help people maintain their homes for the long-term as a proven and cost-effective solution to chronic homelessness. Their new development, Betances Residence, designed by CookFox enlists Passive House as the latest evolution of their commitment to the complete integration of program, design, and engagement.

Speakers:

- Brenda Rosen, Breaking Ground
- Elissa Winzelberg, Breaking Ground
- Adam Beaulieu, CookFox Architects

Passive House Building Certification: quality assurance you can take to the bank

Thursday, June 10, 4:30-5:30 PM ET

PH2021-10

This session explores the key lessons learned by the PeelPHC certifier team over the course of several years certifying buildings. The impact of certification on performance, cost, project timelines, and more will be discussed. Best practices will be reviewed to identify how you can deliver assured quality with confidence in your next building.

Speakers:

- Andrew Peel, Peel Passive House

FRIDAY, JUNE 11

School, School & More School: a process of continual Passive House learning

Friday, June 11, 9:30-10:30 AM ET

PH2021-11

Science is at the heart of Passive House, but it is in its application - intersecting with cultures, communities, and the needs of people - that transform the science into architecture. Learn from a global leader in educational building design. See the data, the lessons, and applications across years and contexts.

Speaker:

· Anne-Marie Fallon, Architype

Feeding the Masses: making Passive House commercial kitchens work

Friday, June 11, 9:30-10:30 AM ET

PH2021-12

What could be more opposite to Passive House than a commercial kitchen? Do we write off the multitude of cafeterias and restaurants that we all, from every walk of life, depend on? No, it gets figured out. Through trailblazing project applications and the scientific rigor of the Passive House Institute, even this barn-burning function can be tamed in support of Passive House performance. Find out how they are doing it.

Speakers:

· Marine Sanchez, RDH Building Science
· Roberto Iannetti, Passive House Institute

All Aboard! strategies for Passive House outreach, training, and employment

Friday, June 11, 9:30-10:30 AM ET

PH2021-13

The skills of Passive House and high-performance sustainable building can be specific and intentional, but they are not difficult. As we set out to remake the built environment, enormous opportunities exist to upskill our (blue and white collar) workforce and provide good jobs to the unemployed and underemployed. A panel discussion on pathways that cultivate workforce participation of all people.

Moderator:

· Ken Levenson, NAPHN

Panelists:

· Daphany Sanchez, Kinetic Communities Consulting
· Darnell Dinkins, TD Construction Group
· Kevin Brennan, Brennan Brennan
· Josh Kriesberg, Massachusetts Clean Energy Center

Not Your Familiar Big Box Retailer: Passive House Supermarkets

Friday, June 11, 11 AM-12 AM ET

PH2021-14

From Walmart to Whole Foods, being more sustainable has become baked into business plans. But there's much more to be done. And Passive House supermarkets are showing the way. Take a deep dive into this trailblazing building type and find out how our "green retailers" can do much, much better.

Speakers:

· Jürgen Schnieders, Passive House Institute
· Laszlo Lepp, Passive House Institute

The Future of Affordable Housing: an examination of modular versus traditional site-build Passive House

Friday, June 11, 11 AM-12 AM ET

PH2021-15

Woodlawn Senior is a five-story, 80-unit project located in the Bronx, NY, nearing completion and used a traditional delivery method. Bethany Terrace, a 4-story, 58-unit, affordable housing to start construction in 2021, uses modular construction and is a Second Round NYSERDA Building of Excellence winner. This presentation illustrates challenges in building affordable Passive House projects and how modular construction can decrease construction time, control costs, increase quality, and decrease construction waste emissions.

Speakers:

· Asok Thirunavukarasu, Paul A. Castrucci Architects
· Grayson Jordan, Paul A. Castrucci Architects

Home on the Prairie: an American archetype remade for 2050 and beyond

Friday, June 11, 11 AM-12 AM ET

PH2021-16

From Indigenous teepees to settler cabins, to Frank Lloyd Wright designs, home on the prairie captures our imagination. See a leading practice's evolution of thought, details, and systems integration, in making Passive House homes for our emerging Anthropocene age.

Speaker:

· Tim Eian, TEstudio

Excellence for Everyone: Passive House examples from NYSERDA's market transforming building program

Friday, June 11, 1-2 PM ET

PH2021-17

The Buildings of Excellence is a \$40 million competition that recognizes the design, construction, and operation of very low or zero carbon-emitting multifamily buildings. Three winning projects will be explored: The Rise is a fully electric, mixed-use building with supportive and affordable housing for justice-involved families, in Brownsville, Brooklyn. The Seventy-Six Complex is a mixed-use structure with affordable and market-rate housing and the goal to demonstrate that buildings can be regenerative, creative, healthy, and inspiring in Albany. Park Avenue Green in the Bronx is a 154 unit building that the owner is now collecting data to compare to a similar non-passive building previously built.

Speakers:

· Patrick Fitzgerald, NYSERDA
· Avery Gray, Bright Power
· Abdulla Darrat, Renewal LLC
· Matthew Murphy, Bright Power
· James Garrison, Garrison Architects
· Corey Jones, South End Global
· Jordan Dentz, Levy Partnership
· Chris Lebron, Xenolith Partners
· Sara Bayer, Magnusson Architecture and Planning
· Julie Chou, Magnusson Architecture and Planning

Zero Carbon Emissions: a target with teeth

Friday, June 11, 1-2 PM ET

PH2021-18

As part of a global transition towards 'outcomes-based codes' US policymakers are now exploring various options for including the impact and calculation of embodied carbon into standardized code. This session will look at where this is happening, who is doing this, and at new tools and assessments that our Passive House community is supporting to seamlessly integrate embodied carbon into operational carbon models.

Speakers:

- Bronwyn Barry, Passive House BB
- Kim Cheslak, New Buildings Institute
- Mikhail Haramati, NYSERDA
- Tim Martel, AECB

Keeping It Real: the Passive House Standard meets American builders

Friday, June 11, 1-2 PM ET

PH2021-19

A contractor that "gets" Passive House, transforms the construction process and makes high-quality business as usual. Yet initial builder concerns can leave them skeptical and ultimately hobble the high-performance design. How do we address builder concerns, provide actionable training and make Passive House relevant for their business objectives? It starts with "Why".

Speaker:

- Enrico Bonilauri, Emu Systems

Passive House Community Amenity: The Clayton Community Centre

Friday, June 11, 2:30-3:30 PM ET

PH2021-20

Community centers by their very nature are ambitious, often serving a diversity of populations, needs, and desires. Few community centers are more ambitious than this one. Executed with capital A architectural design, and aggressive sustainability targets that include Passive House certification, public building is retaking a pride of place. Find out how they did it.

Speakers:

- Melissa Higgs, HCMA
- Scott Groves, HCMA
- Rebecca Holt, HCMA

Small-Town EnerPHit: where sustainable energy funding meets sustainable community building

Friday, June 11, 2:30-3:30 PM ET

PH2021-21

Smart infrastructure investment can ignite greater prosperity for the many. The town of Kane Pennsylvania is leading such an effort by investing a foundation grant into upgrading a 130-year-old downtown property to the Passive House EnerPHit Standard and committing to local job training, and material sourcing. Find out how this transformative effort is getting done.

Speakers:

- Brandy Schimp, Mayor, Kane, PA
- Joel Morrison, Penn State University
- Norm Horn, Envinity
- Gary Moshier, Moshier Studio

Where the Rubber Meets the Road: handing Passive House buildings over to operations & management

Friday, June 11, 2:30-3:30 PM ET

PH2021-22

Find out why, after the Passive House is built, the critical question is; Are operations and management staff trained and ready? This session will explore the need for O&M staff training and will identify the most critical building components and systems that should be targeted to ensure efficient operation, comfort and durability.

Speaker:

- Lois Arena, Steven Winter Associates

Closing Plenary – Defining Sustainable Community For All: discovering new pathways forward

Friday, June 11, 4-5 PM ET

PH2021-23

Housing shortages, restrictive zoning, underserved communities, poor public health, a climate emergency, and environmental and social injustice, are just some of the intersecting forces at play as we seek to transform the built environment to support solutions to all these issues and more. This closing plenary panel is a discussion of these intersections, some of the challenges and opportunities they present, and how the Passive House community and our work, might help lead in these efforts to recognize and realize sustainable communities for all.

Moderator:

- Lori Atwater, Transformation Village

Panelists:

- Sonal Jessel, WE ACT for Environmental Justice
- Jes McBride, YIMBY
- Lauren Hood, Detroit City Planning Commission
- Bronwyn Barry, Passive House BB

Closing Remarks & Announcements

Friday, June 11, 5-5:15 PM ET

Speakers:

- Bronwyn Barry, NAPHN Board Chair
- Craig Stevenson, NAPHN Treasurer
- Ken Levenson, NAPHN Executive Director