

2024 Net Zero Buildings Week

Hosted by NBI

Events:				Monday, 9/16	Tuesday, 9/17	Wednesday, 9/18	Thursday, 9/19	Friday, 9/20
Pacific	Mountain	Central	Eastern		sponsored by Legence	sponsored by GBI	sponsored by Velux	
6 a.m.	7 a.m.	8 a.m.	9 a.m.					
7 a.m.	8 a.m.	9 a.m.	10 a.m.					
8 a.m.	9 a.m.	10 a.m.	11 a.m.				Recognize. Respond. Resilience. Climate Risk Mitigation for Commercial Real Estate	
9 a.m.	10 a.m.	11 a.m.	12 p.m.				Empowering Climate Action: An Overview of ILFI’s Zero Energy, Zero Carbon, and Living Building Challenge Certifications	Ask an Expert: Kids Edition The Future of Clean Heat and Building Electrification in Maryland
10 a.m.	11 a.m.	12 p.m.	1 p.m.				Energy Code Advocacy Playbook: Walkthrough & Training	The Guide to Creating the ZEDlifestyle by Design Pumping Up Sustainability: Myth-Busting Heat Pumps in Commercial Real Estate
11 a.m.	12 p.m.	1 p.m.	2 p.m.	Using Vehicles to Enhance Building Resilience			Framing the Future: Marketing Net Zero Buildings	Circular Intelligence: AI & the Path to Sustainable Design
12 p.m.	1 p.m.	2 p.m.	3 p.m.			Ask an Expert: Heat Pump Water Heaters with Joe Wachunas Embodied Carbon: Lifecycle Analysis Tools—EPIC, Tally, EC3 (12 – 2 p.m.)		The Frontier of High Performance Homebuilding (12:30 – 1 p.m.)
1 p.m.	2 p.m.	3 p.m.	4 p.m.					
2 p.m.	3 p.m.	4 p.m.	5 p.m.					
3 p.m.	4 p.m.	5 p.m.	6 p.m.					
4 p.m.	5 p.m.	6 p.m.	7 p.m.					
5 p.m.	6 p.m.	7 p.m.	8 p.m.		USGBC-CA Inland Empire Committee (5:30 – 6:30 p.m.)		Heat Pump Curious? AMA w/ Elephant Energy, Sierra Club & Electrified Homeowners	

Resources:

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Architecture Towards Neutral	Case Study: LeClair Village	
AUROS Group	Using Building Science & Data Science to Decarbonize Existing Buildings	Pre-recorded training for building owners and developers to learn how to use building science (efficiency first strategies) and data science (physics-based modeling and simulation) to determine a building's optimum decarbonization potential. Only then can you de-risk investments in decarbonization.
B.Public Prefab	Design and Panelized Construction for NetZero and Passive House	<p>We use Lego-like off-site construction to build fast, beautiful, outrageously sustainable homes. This is nearly NetZero simplified. We support local builders, partner with architects, and help homeowners. "Better than code" is just the start.</p> <p>AEC Online Lunch & Learns, Homeowner Open Houses, and in-person Builder Trainings.</p>
Build Change	Saving Embodied Carbon Through Strengthening Existing Housing	Informed by cases in Colombia, Haiti, Honduras, Nepal, Philippines, and Sint Maarten and a total of 335 built projects, Saving Embodied Carbon Through Strengthening Existing Housing provides compelling evidence that improving existing housing significantly avoids carbon emissions in the housing construction value chain, thereby having substantial implications for achieving net zero in the built environment. By applying the findings from this study, we estimate there's an opportunity to save 4.8 gigatons of CO2 emissions while addressing the more than 268 million inadequate houses globally.
ClearlyEnergy	<p>The Climate Impacts of Building Performance Standards: Measuring the Pathway to Net Zero</p> <p>The Center for Building Performance Standards</p>	<p>The Climate Impacts of Building Performance Standards (BPS): Measuring the Pathway to Net Zero aims to understand and measure the potential avoided GHG emissions from BPS policies and the role BPS can play in climate strategies. The second version of this report will reevaluate policies with the most recent available data and measure these policies against new metrics, including equity and impact on Environmental Justice communities.</p> <p>The Center for Building Performance Standards is a platform to collect and centralize resources relating to building performance standards to help policymakers, building owners, and contractors navigate this new policy type.</p>
Cold Climate Housing Research Center	Creating a Tight Home in Northern Communities	Taking a look at various insulation techniques, CCHRC explores how to create a tight home in northern communities, placing emphasis on reducing energy consumption and improving energy efficiency.

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Fordje	Code Clarifier Beta Access	<p>Codes are complex and often confusing, whether you're a developer looking to quickly understand what codes apply to your project or you're a city planner creating new codes that benefit your citizens.</p> <p>That is why we're building Fordje: Clarifying city codes so everyone can move faster with confidence.</p> <p>Request access to our beta product and quickly query your city's codes, see applicable code summaries and link directly to codes to dive deeper.</p>
GBI	Green Globes Journey to Net Zero™ Certification	GBI’s Green Globes Journey to Net Zero™ certification advances decarbonization in the global built environment by empowering all commercial real estate owners to evaluate performance and implement impactful change.
Griffin EnerG Consulting	Guide to Zero Net Energy, Multifamily All-Electric Guide to Zero Net Energy, Multifamily Gas and Electric Guide to Zero Net Energy, Single Family Home	
ID360	Resilient Building Design Strategies Webinar	The goal of this webinar is to provide knowledge about resilient building design strategies and how to implement them within the sustainable building design process. Designing with resiliency in mind is important today as climate change has increasingly become a challenge in our daily lives. As we experience extreme weather events, power outages, wildfires, resilient building design will become more critical. Students will learn about what makes a building resilient and discover strategies that can be applied in the planning process of building a sustainable and resilient building.
ILFI	Carbon Accounting Scaling Progress: The International Living Future Institute Announces Strategic Collaboration with Four Major Companies to Advance Carbon Verification in Buildings	
KTGY	The Path to Net Zero: Leading the Future of Responsible Design	Join KTGY on Instagram and LinkedIn as we celebrate the path toward Net Zero design, sharing insights and strategies from our Director of Sustainability, Megan Valentine. Throughout the week, we'll investigate the collective impact of sustainable practices, reveal how synergy in design leads to success, and explore the future of net zero buildings. Engage with us through interactive content, including polls, Q&A sessions, and more, as we chart the course for a more sustainable built environment.
Next Generation, Inc.	ByBlock: Cinder blocks made from recycled plastic yet stronger than concrete	We will showcase the way a cinder block made of plastic trash could revolutionize the way we build everything.

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NYSERDA	Buildings of Excellence Round 2 Winner, Cooper Park Commons, Breaks Ground Today!	
Phius	A Better Way to Zero	Phius ZERO sets the industry standard for net zero energy design. It focuses on passive conservation measures first, and sets the net source energy target at ZERO, does not allow for fossil-fueled combustion on site, and provides both on-site and off-site renewable energy options to get to ZERO. The net zero standard emphasizes quality, durability, health, safety, and cost-optimized conservation.
Precision Ambiance	Uninterruptable Air Handling Unit	We are introducing the next generation, smart building HVAC air handling unit that offers significantly reduced energy consumption, waste stream minimization, and significantly reduced embodied carbon. Additionally, the UAHU is designed with future-proof modularity for servicing, repairs, upgrades, and AHU replacements without shutdowns. And we will buy it back at the end of usage for a near zero carbon footprint.
Slipstream	Air Source Heat Pumps and Electrification	<p>The industry, but what does that really mean for the future of HVAC? In this webinar, our experts will review how air source heat pumps (ASHPs) fit into the residential electrification landscape. We will also explore how the new generation of ASHPs are equipped to provide space heating needs in cold climates. Our experts will highlight ASHP applications with the strongest value proposition in new and existing homes in the upper Midwest. Finally, attendees will come away with tips on how to integrate ASHPs into their business, including:</p> <ul style="list-style-type: none"> • ASHP sizing best practices • ASHP selection best practices • Basic controls strategies for ASHP
The San Diego LEARN Program	Carbon Negative Building & Nature Based Innovation	Online course for California residents.
U.S. General Services Administration (GSA)	Sustainable Facilities Tool page about Net Zero Energy Buildings How GSA Supports Administration Sustainability Priorities	
Verdani Institute for the Built Environment	Corporate Sustainability Strategies Guidance Report	A collection of educational resources that teach the critical aspects of sustainability in commercial real estate and the built environment. From green building strategies to ESG and real estate finance, the guidance report series will serve as the go-to resource for professionals, educators, students and all those inspired to take positive climate action through the practice of sustainable real estate.