

Buildings as a Carbon Drawdown Solution

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ABSTRACT

Net Zero Operational and Net Embodied Carbon goals need to merge, now, if we're going to meet carbon emission reduction targets. Ultimately, it doesn't matter where the emissions come from, where it's the operations of a building or the materials, construction process, and end of life. Reducing Green House Gas emissions is the ultimate goal and is only achievable through a holistic approach. This session will address where design decisions have the biggest impact and which assembly components are lower emitting. We'll explore current and future codes, prioritize measures, and review incentive programs to help project teams achieve Zero Carbon goals.

BIOGRAPHY

Christina Aßmann is an architect and building scientist with 20 years of professional experience working on various project types. Her work embraces design, sustainability, regenerative design, carbon reduction, social justice and the synergy of different high-performance building standards. Christina is passionate about incorporating her sustainability research into her role as an educator and Energy Code Trainer through NYSERDA's initiative to educate building professionals. She also serves on the advisory board for NYStretch 2023 Energy Code Development and Advancement. Her interest in sustainability strategies stems from her upbringing in Germany where her parents instilled her with a focus on environmental stewardship.

Michael Hindle is founder and principal of Passive to POSITIVE, a Building Enclosure and Energy Efficiency consulting firm specializing in PASSIVE HOUSE, Zero Energy, Low Carbon and Resilient Design. Michael became one of the nation's first Certified Passive House Consultants (CPHC) in late 2009. He has consulted on Passive House, zero-energy, and Living Building Challenge projects that include single-family and multi-family residential, mixed-use, and small commercial projects from Washington DC to New Hampshire. He has experience in both new construction and retrofits, and is committed to low toxicity, low Global Warming Potential, and carbon sequestering building methods.