

Tuesday, February 20

Complete seven hours of your MN Builder credit CEU requirements per day (pending approval from the Minnesota Department of Labor and Industry). **You must attend the 7:00 a.m. session to receive all seven credits.**

Not all sessions qualify for credits; please see the Continuing Education Credit Guide provided in your registration packet to be sure you attend classes approved for continuing education by your educational authority.

	U.S. Green Building Council (USGBC)	Envelope	Healthy Housing	High Performance	Building Science—High Performance Housing—EEBA Houses That Work™
		6:30–7:00 am • Early Session Registration		6:30–7:00 am • Early Session Registration	
7:00–8:15 am	Energy Storage 201 <i>Christopher LaForge, Great Northern Solar</i>	Aerosol Envelope Sealing for Residential New Construction <i>Ben Schoenbauer, Center for Energy and Environment</i>	Asbestos—Yes, it's Still Around <i>Bob Rogalla, Lake States Environmental, Ltd.</i>	High-Performance Homes Bring New Challenges for Mechanical Systems <i>Patrick Huelman, University of Minnesota Extension</i>	EEBA: Houses That Work Part 1 <i>Andy Oding, Building Knowledge Canada</i>
		7:30–8:30 am • Registration • Exhibit Hall Opens		7:30–8:30 am • Registration • Exhibit Hall Opens	
8:30–10:00 am	Opening Keynote: The Art, the Science, and the Business of High Performance Homes <i>Peter Yost, BuildingGreen, Inc.</i>		Opening Keynote: The Art, the Science, and the Business of High Performance Homes <i>Peter Yost, BuildingGreen, Inc.</i>		
		10:00–10:30 am • Break • Exhibits		10:00–10:30 am • Break • Exhibits	
10:30 am–12:00 pm	Smart Buildings Improve Your Bottom Line <i>Bob French, 75F</i>	Building Zero Energy Ready Homes: Improvements and Moving to Remodel, plus Fortified Build <i>Brian Wimmer and Lou Behrens, Rochester Area Habitat for Humanity</i>	Achieving a Moisture Balance Within the Home!? <i>Mike Wilson, Dakota Supply Group</i>	Zeroing In <i>Patrick Huelman, University of Minnesota Extension</i>	EEBA: Houses That Work Part 2 <i>Andy Oding, Building Knowledge Canada</i>
		12:00–1:00 pm • Lunch • Exhibits		12:00–1:00 pm • Lunch • Exhibits	
1:00–2:30 pm	Advancing the Last Frontier—Reduction of Commercial Plug Loads <i>Rick Carter, LHB Christopher Plum, Center for Energy and Environment</i>	Choosing Insulation: So Many Options, So Little Time, and So Much Need For Information <i>Peter Yost, BuildingGreen, Inc.</i>	Smart Remodeling <i>Paul Morin, The Energy Conservatory</i>	Residential Foundations: The Dos and the Don'ts According to the Codes (must attend entire session to receive credits) <i>Don Sivigny, Minnesota Department of Labor and Industry</i>	EEBA: Houses That Work Part 3 <i>Andy Oding, Building Knowledge Canada</i>
		2:30–3:00 pm • Break • Exhibits			2:30–3:00 pm • Break • Exhibits
3:00–4:30 pm	Tools and Best Practices for City Energy Planning <i>Becky Alexander, LHB Brian Ross, Great Plains Institute</i>	If These Walls Could Talk <i>Rachel Wagner, Wagner Zaun Architecture</i>	Customer First—Let's Remember the Family Is #1 When Making Construction Decisions <i>Bill McAnally, McAnally Consulting</i>		EEBA: Houses That Work Part 4 <i>Andy Oding, Building Knowledge Canada</i>
	4:30–6:30 pm • Reception • Door Prizes • Refreshments • Exhibits			4:30–6:30 pm • Reception • Door Prizes • Refreshments • Exhibits	

Wednesday, February 21

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	HVAC and Mechanical Systems	High Performance Case Study	Multifamily	Solar	Building Science—High Performance Housing—EEBA Houses That Work™
		6:30–7:00 am • Early Session Registration		6:30–7:00 am • Early Session Registration	
7:00–8:15 am	Recommended Window Installation <i>Eric Klein and Erick Filby, Marvin Windows and Doors</i>	The American Dream Renewed—Passive House for Everyone <i>Tim Eian, TE Studio, Ltd.</i>	Practical Methods of Conducting Lead-Safe Remodeling, Repair and Painting Activities <i>Bob Rogalla and Dave Louis, Lake States Environmental, Ltd.</i>	Introduction to Solar <i>Paul Helstrom, Minnesota Power</i>	
		7:30–8:30 am • Registration • Exhibit Hall Opens		7:30–8:30 am • Registration • Exhibit Hall Opens	
8:30–10:00 am	Energy Efficient Options for Residential Water Heating <i>Ben Schoenbauer, Center for Energy and Environment</i>	Wrenshall Residence: A Passive Solar, Low-Energy House Put to the Test <i>Elden Lindamood, Wagner Zaun Architecture</i>	Multifamily Green Building Programs <i>Chris Johnson, Johnson Environmental</i>	Home of the Future: Automated, Electric, and Renewable <i>Terry Webster and Stacy Miller, Minnesota Department of Commerce</i>	EEBA: High Performance Mechanicals Part 1 <i>Andy Oding, Building Knowledge Canada</i>
		10:00–10:30 am • Break • Exhibits		10:00–10:30 am • Break • Exhibits	
10:30 am–12:00 pm	What You Need to Know about Furnaces and Air Conditioners if You're NOT an HVAC Professional <i>Scott Pigg, Seventhwave</i>	It's All in the Details! <i>Bill McAnally, McAnally Consulting</i>	Multifamily Residential Passive House Prototypes and Net-Zero Energy Potential in Cold Climates <i>Rolf Jacobson and Elizabeth Kutschke, Center for Sustainable Building Research, University of Minnesota</i>	Renewable Energy and Resiliency <i>Christopher LaForge, Great Northern Solar</i>	EEBA: High Performance Mechanicals Part 2 <i>Andy Oding, Building Knowledge Canada</i>
		12:00–1:00 pm • Lunch • Exhibits		12:00–1:00 pm • Lunch • Exhibits	
1:00–2:30 pm	Commission of Homes—What is it? Is it Needed? <i>Mike Wilson, Dakota Supply Group</i>	Self-Build Zero-Energy Homes: Two Minnesota Case Studies <i>Lucas Alm, ALM Design Studio Bill Peterson, Friends of San Lucas Muffi Abrahamson Tim Abrahamson</i>	Ultra-Efficient Housing—The Solution for a Sustainable Future <i>Tim Eian, TE Studio, Ltd.</i>	Efficient Solar Photovoltaic Deployment <i>Mouli Vaidyanathan, SolarPod Mouli Engineering</i>	EEBA: High Performance Mechanicals Part 3 <i>Andy Oding, Building Knowledge Canada</i>
		2:30–3:00 pm • Break • Exhibits		2:30–3:00 pm • Break • Exhibits	
3:00–4:30 pm	Performance and Applications of Cold-Climate Air Source Heat Pumps <i>Ben Schoenbauer, Center for Energy and Environment</i>	EnerPHit—Retrofitting with Passive House Tools <i>Tim Eian, TE Studio, Ltd.</i>	Electric Cars and Buildings; What Should Real Estate Owners and Building Industry Professionals Know About Charging? (With Electric Vehicle Owners' Panel) <i>Jukka Kukkonen, PlugInConnect</i>	Advancements In Solar Electric Design and Equipment <i>Christopher LaForge, Great Northern Solar</i>	EEBA: High Performance Mechanicals Part 4 <i>Andy Oding, Building Knowledge Canada</i>