

# Wednesday, February 22

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.**

	High Performance Systems	Existing Homes	Affordability and High Performance	Case Studies	Tightening the Envelope
		6:30–7:00 am • Early Session Registration			6:30–7:00 am • Early Session Registration
7:00–8:15 am		<b>Practical Methods of Conducting Lead-Safe Remodeling, Repair and Painting Activities</b>  <i>Dave Louis, Lake States Environmental, Ltd.</i>		<b>Passive House: Commercial Projects</b>  <i>Tim Eian, TE Studio, Ltd.</i>	<b>Recommended Window Installation</b>  <i>Eric Klein and Erick Filby, Marvin Windows and Doors</i>
		7:30–8:30 am • Registration • Exhibit Hall Opens			7:30–8:30 am • Registration • Exhibit Hall Opens
8:30–10:00 am	<b>High-Performance Mechanical Systems for High-Performance Enclosures</b>  <i>Patrick Huelman, University of Minnesota</i>	<b>Passive House: Residential Retrofit (EnerPHit)</b>  <i>Tim Eian, TE Studio, Ltd.</i>	<b>Building New Homes Above the Energy Code: Rewards, Rebates, and Incentives</b>  <i>Phil Anderson, Neighborhood Energy Connection; Aaron Riendeau, St. Croix Energy Solutions, Inc.</i>	<b>Case Study: Wrenshall Residence—A Local Architect Putting His Money Where His Mouth Is</b>  <i>Elden Lindamood, Wagner Zaun Architecture</i>	<b>Continuous Insulation Strategies—Building the Perfect Wall in an Imperfect World</b>  <i>Dean Seibert and Ed Scherrer, InSoFast LLC</i>
		10:00–10:30 am • Break • Exhibits			10:00–10:30 am • Break • Exhibits
10:30 am–12:00 pm	<b>Condensing Boiler Optimization</b>  <i>Ben Schoenbauer and Dave Bohac, Center for Energy and Environment (CEE); Rebecca Olson, Neighborhood Energy Connection</i>	<b>So, Tell Me about Your Problem House</b>  <i>Paul Morin, The Energy Conservatory</i>	<b>Building to Meet ZERH w/Multiple Layers of Foamboard: Lessons Learned</b>  <i>Brian Wimmer, Rochester Area Habitat for Humanity</i>	<b>The Ecologists’ House: Case Study of a Zero Net Energy Home in Duluth</b>  <i>Rachel Wagner, Wagner Zaun Architecture</i>	<b>High Performance Glazing and the Building Envelope</b>  <i>Mike Florence, DUXTON Windows &amp; Doors; Paul Kellner, Heritage Window &amp; Door</i>
		12:00–1:00 pm • Lunch • Exhibits			12:00–1:00 pm • Lunch • Exhibits
1:00–2:30 pm	<b>Lessons Learned from New Energy Code Testing</b>  <i>Ross Anderson, The Energy Network</i>	<b>Under the Belly of the Beast: A Closer Look at Energy Use in Manufactured Homes</b>  <i>Jeannette LeZaks and Scott Pigg, Seventhwave</i>	<b>Super Energy Efficient Homes Should Always Be the Goal: Case Study of An Affordable, Low Tech, High Performance Home in an Urban Environment</b>  <i>Kitrina Stratton, SunWindLight</i>	<b>Passive House: Residential New Construction—The “Northeast Nest”</b>  <i>Tim Eian, TE Studio, Ltd.</i>	<b>Aerosols—Seek and Seal Envelope Leaks</b>  <i>Dave Bohac, Center for Energy and Environment (CEE)</i>
		2:30–3:00 pm • Break • Exhibits			2:30–3:00 pm • Break • Exhibits
3:00–4:30 pm	<b>Emerging Technologies for Cold Weather Residential Heating</b>  <i>Josh Quinnell and Ben Schoenbauer, Center for Energy and Environment (CEE)</i>	<b>Pre- and Post-Retrofit Assessments and Inspections</b>  <i>Bill McAnally, McAnally Consulting</i>	<b>When Sustainability and Affordability Meet—Lessons from a High-Performance Habitat for Humanity Neighborhood Development</b>  <i>Jim Cooper, St Croix Valley Habitat for Humanity</i>	<b>The Clean Energy Community Awards Program: Recognizing Community Efforts</b> <i>Terry Webster, Minnesota Department of Commerce; Patrick Shea, City of St. Cloud, MN; Fernando Nacionales, 133 Airlift Wing, MN Air National Guard; John Paulson, City of Hutchinson, MN</i>	<b>Fundamentals of Door Installation</b>  <i>Eric Klein and Erick Filby, Marvin Windows and Doors</i>