

# Tuesday, February 21

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.**

	Solar	Next Level Savings	Race to the Top	HVAC	Old to New	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	<b>The Form and Function of Solar Energy in Cold Climates</b>  <i>Jason Edens, Rural Renewable Energy Alliance (RREAL)</i>			<b>Asbestos—Yes, It's Still Around</b>  <i>Bob Rogalla, Lake States Environmental, Ltd.</i>	<b>Building Clean—Do You Know What You're Putting in Your Houses? A Discussion on Energy-Efficient Products</b>  <i>Dale Reckman, BlueGreen Alliance</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>Renewable Energy Systems and the NEC—2017 Update (Part 1 of 2)</b>  <i>Chris Laforge, Great Northern Solar</i>	<b>Steam vs. Hot Water Boiler Systems: Pros and Cons</b>  <i>Matt Kiemen, Ryan Company Inc.</i>	<b>Beyond Code Programs That Give You and Your Customer the Edge (Part 1 of 4)</b>  <i>Patrick Huelman, University of Minnesota; Marilou Cheple, Marilou Cheple Consulting; Rachel Wagner, Wagner Zaun Architecture; Michael Resch, Residential Science Resources</i>	<b>What You Need to Know About Residential Furnaces, Air Conditioners and Heat Pumps if You're NOT an HVAC Professional</b>  <i>Scott Pigg, Seventhwave</i>	<b>EV Charging Strategies</b>  <i>Jukka Kukkonen, PlugInConnect</i>	<b>EEBA Houses That Work™ (Part 1 of 4)</b>  <i>Justin Wilson, Construction Instruction, Inc.</i>
		10:00–10:30 am • Break • Exhibits			10:00–10:30 am • Break • Exhibits	
10:30 am–12:00 pm	<b>Renewable Energy Systems and the National Electrical Code (NEC)—2017 Update (Part 2 of 2)</b>  <i>Chris Laforge, Great Northern Solar</i>	<b>Saving Energy In Existing Multifamily Buildings</b>  <i>Daniel May, Center for Energy and Environment (CEE)</i>	<b>Beyond Code Programs That Give You and Your Customer the Edge (Part 2 of 4)</b>  <i>Patrick Huelman, University of Minnesota; Marilou Cheple, Marilou Cheple Consulting; Rachel Wagner, Wagner Zaun Architecture; Michael Resch, Residential Science Resources</i>	<b>Balanced Ventilation Strategies for Cold Climate Housing</b>  <i>Mike Wilson, Dakota Supply Group</i>	<b>Hearth Products 101 For Today's Builders</b>  <i>Rodger Holland, Holland &amp; Hearth; Michael Norby, Brownstone Distributing; Peter Solac, Woodland Stoves and Fireplaces</i>	<b>EEBA Houses That Work™ (Part 2 of 4)</b>  <i>Justin Wilson, Construction Instruction, Inc.</i>
		12:00–1:00 pm • Lunch • Exhibits			12:00–1:00 pm • Lunch • Exhibits	
1:00–2:30 pm	<b>Incorporating Solar into Residential New Construction</b>  <i>Jack Kluempke, Minnesota Department of Commerce</i>	<b>Pre- and Post-Retrofit Assessments and Inspections</b>  <i>Bill McAnally, McAnally Consulting</i>	<b>Beyond Code Programs That Give You and Your Customer the Edge (Part 3 of 4)</b>  <i>Patrick Huelman, University of Minnesota; Marilou Cheple, Marilou Cheple Consulting; Rachel Wagner, Wagner Zaun Architecture; Michael Resch, Residential Science Resources</i>	<b>Slab on Grade Construction: Meeting the MN Energy Code Shell and HVAC Requirements</b>  <i>Mike Wilson, Dakota Supply Group</i>	<b>The Internet of Things (IOT)—The Nexus of Technologies in the Home and Business</b>  <i>Chris Laforge, Great Northern Solar</i>	<b>EEBA Houses That Work™ (Part 3 of 4)</b>  <i>Justin Wilson, Construction Instruction, Inc.</i>
		2:30–3:00 pm • Break • Exhibits			2:30–3:00 pm • Break • Exhibits	
3:00–4:30 pm	<b>Solar Electric and Energy Storage—Hartley Nature Center Project—A Case Study</b>  <i>Chris Laforge, Great Northern Solar</i>	<b>Breaking Down Barriers to Multifamily Energy Efficiency: Data and Financing</b>  <i>Billy Weber, University of Minnesota; Virginia Rutter, Eutectics; Drew Quirk, Xcel Energy</i>	<b>Beyond Code Programs That Give You and Your Customer the Edge (Part 4 of 4)</b>  <i>Patrick Huelman, University of Minnesota; Marilou Cheple, Marilou Cheple Consulting; Rachel Wagner, Wagner Zaun Architecture; Michael Resch, Residential Science Resources</i>	<b>Keeping Ground Source Heat Pump Systems on the Table</b>  <i>Ed Lohrenz, GEOptimize Inc.</i>	<b>Heating and Cooling a Minnesota Home with a SkyTherm (roof pond) North</b>  <i>Kitrina Stratton, SunWindLight</i>	<b>EEBA Houses That Work™ (Part 4 of 4)</b>  <i>Justin Wilson, Construction Instruction, Inc.</i>
		4:30–6:00 pm • Reception • Door Prizes • Refreshments • Exhibits			4:30–6:00 pm • Reception • Door Prizes • Refreshments • Exhibits	