Join us for the region’s premier design and construction conference, which features interactive learning about building durability, efficiency, and value for both residential and commercial projects.

Keynote Presentation:
Carbon Drawdown
Now: Turning Buildings into Carbon Sinks

1,000 Attendees
40 Workshops
60+ Exhibitors

www.efficiencyvermont.com/bbd • 877-248-9900
Join us!

**Earn continuing education credits**
Attend workshops at Better Buildings by Design and earn credits from many of the industry’s most recognized organizations. For a complete list of organizations and details on credits, visit [www.efficiencyvermont.com/bbd](http://www.efficiencyvermont.com/bbd) or call 877-248-9900.

**Technical workshops**
Participate in high-quality presentations throughout both days of the conference. Workshops are 90 minutes long and are held simultaneously in four learning tracks: Building Systems, Commercial, Crossroads, and Enclosure. Forty workshops will be offered this year.

**Exhibit hall trade show**
See the latest innovations in energy-efficient products and services for the design and construction industry. Speak with service providers and manufacturers’ representatives about cutting-edge techniques, materials, equipment, and systems for superior building performance, energy efficiency, and indoor air quality.

**Best of the Best**
Winners of Efficiency Vermont’s 2020 Best of the Best Awards in residential and commercial construction will be honored on Wednesday, February 5, during the opening session. Throughout the conference, browse inspiring plans, drawings, and photos of the award-winning homes and commercial buildings from this year’s design competition.

**Learn more**
Session descriptions, exhibition information, speaker bios, workshop presentations (post-conference), and more will be posted on the Efficiency Vermont website at [www.efficiencyvermont.com/bbd](http://www.efficiencyvermont.com/bbd).

**EVENING RECEPTION**
**Wednesday, February 5, 4:45 pm–7:00 pm**
Join other professionals in the exhibit hall for hors d’oeuvres and a cash bar. The reception is free to attend and open to the public. Please invite your colleagues, clients, subcontractors, and others.
Name: ____________________________________________

Organization Name: ____________________________________________

Profession: [ ] Architect   [ ] Developer   [ ] Manufacturer   [ ] Student
[ ] Builder   [ ] Engineer   [ ] Nonprofit   [ ] Supplier
[ ] Contractor   [ ] Government   [ ] Real Estate   [ ]

Organization Address: ____________________________________________

City: ___________________________ State: ___________________________ Zip: ___________________________

Phone: ___________________________ Fax: ___________________________

E-mail: __________________________________________________________

☐ Please send me e-mail updates about the BBD conference.
☐ Do not share my contact information with sponsors of the BBD conference.

Are you seeking continuing education credits that will need to be submitted by Efficiency Vermont? If self-reporting credits, select "no."  ☐ Yes  ☐ No  ☐ Unsure

Please check ALL of the CEU organizations you are planning to receive credits from. AIA and BPI will be directly reported by Efficiency Vermont on your behalf and require your member ID #. All other organizations require self-reporting.

☐ American Institute of Architects (AIA), Member ID # ___________________________
☐ American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
☐ Association of Energy Engineers (AEE)
☐ Association for Facilities Engineering (AFE)
☐ Building Performance Institute (BPI), Member ID # ___________________________
☐ Construction Specifications Institute (CSI)
☐ Leadership in Energy and Environmental Design (LEED)
☐ National Council on Qualifications for the Lighting Professions (NCQLP)
☐ Passive House Institute US (PHIUS)
☐ Passivhaus Institute (PHI)
☐ Other(s) __________________________________________________________

Are you a first-time attendee? ☐ Yes  ☐ No

Are you interested in receiving e-mails about carpooling with other attendees?  ☐ Yes  ☐ No

If yes, provide the city and state you will be departing from ___________________________

Please indicate special needs or food restrictions below. For physical or mobility disabilities that require special accommodation, please call 877-248-9900.

__________________________________________________________

__________________________________________________________
One form per person (feel free to photocopy). Please fill out both sides.

### Full Conference Fee
- $325 per person if fee is received by December 31, 2019
- $375 per person if fee is received by January 27, 2020
- $200 per person student rate*
- $400 if fee is received after January 27, 2020

### One-Day Conference Fee
- $225 per person if fee is received by December 31, 2019
- $275 per person if fee is received by January 27, 2020
- $100 per person student rate*
- $300 if fee is received after January 27, 2020

Please indicate the day you will be attending:
- Wednesday, February 5, 2020
- Thursday, February 6, 2020

**ATTENTION PRESENTERS:** You receive a discounted registration fee. Visit www.efficiencyvermont.com/bbd for special pricing.

<table>
<thead>
<tr>
<th>Total Amount</th>
<th>$________</th>
</tr>
</thead>
</table>

- Check (payable to Efficiency Vermont) or
- Credit card**

Call Delaney Meeting & Event Management to provide payment over the phone: 877-248-9900.

*Students must show a current student ID at registration to qualify for the discounted student fee.

**Statement will say Delaney Meeting & Event Management.

### FOUR WAYS TO REGISTER:

**Online:**
www.efficiencyvermont.com/bbd

**Phone:** 877-248-9900

**Fax:** 802-865-8066

**Mail:** Better Buildings by Design 2020
c/o Delaney Meeting & Event Management
46B Main Street, 4th Floor
Winooski, VT 05404

**REGISTER BY DECEMBER 31, 2019, AND SAVE!**
### DAY 1: WEDNESDAY, FEBRUARY 5

#### 10:20 AM–11:50 AM CONCURRENT WORKSHOPS

<table>
<thead>
<tr>
<th>Session</th>
<th>Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction Phase Carbon Impact</td>
<td>C / Intermediate</td>
</tr>
<tr>
<td>Quality Assurance for Low-Pressure Disposable Foam Systems</td>
<td>R / Intermediate</td>
</tr>
<tr>
<td>Solar Fire Investigation Analysis: The Unintended Consequence of Reflective Low-E Glass Technology</td>
<td>R / Intermediate</td>
</tr>
<tr>
<td>Understanding Basic Dew Point Calculations for High-Performance Basement, Wall, and Roof Systems</td>
<td>R / Introductory</td>
</tr>
<tr>
<td>When Persistence Pays Off: A Retrospective of Early Adoption of ASHRAE Guideline 36</td>
<td>C / Advanced</td>
</tr>
<tr>
<td>Fixing Existing Homes (Part 1)</td>
<td>R / Intermediate</td>
</tr>
</tbody>
</table>

#### 1:20 PM–2:50 PM CONCURRENT WORKSHOPS

<table>
<thead>
<tr>
<th>Session</th>
<th>Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Doing Better for Less: R-30 Walls and Beyond—High Performance, Less Cost</td>
<td>R / Intermediate</td>
</tr>
<tr>
<td>Ensuring Your Energy Remains Affordable, Using Existing Data for Energy Optimization</td>
<td>C / Intermediate</td>
</tr>
<tr>
<td>Selling Lower-Cost High-Performance Building Envelopes</td>
<td>C / Advanced</td>
</tr>
<tr>
<td>The Future of Water Heating: Hybrid Water Heaters, Smart Home Applications and Grid Optimization</td>
<td>R / Introductory</td>
</tr>
<tr>
<td>Fixing Existing Homes (Part 2)</td>
<td>R / Intermediate</td>
</tr>
</tbody>
</table>

#### 3:15 PM–4:45 PM CONCURRENT WORKSHOPS

<table>
<thead>
<tr>
<th>Session</th>
<th>Complexity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill, Baby, Drill! Residential Geothermal: Can it Scale?</td>
<td>R / Introductory</td>
</tr>
<tr>
<td>Encouraging Building Airtightness: A New Five-Story Building in Maine</td>
<td>C / Intermediate</td>
</tr>
<tr>
<td>Innovations in Zero Energy Modular (ZEM)</td>
<td>R / Intermediate</td>
</tr>
<tr>
<td>Lessons from Large-Scale Hippie Design-Build Projects in the 1970s</td>
<td>R / Intermediate</td>
</tr>
<tr>
<td>Low Temperature Heating Applications and Economics</td>
<td>C / Intermediate</td>
</tr>
</tbody>
</table>

**Learning Track:**  
- Commercial  
- Building Systems  
- Enclosure  
- Crossroads

**Market Focus:**  
- R = Residential;  
- C = Commercial
DAY 2: THURSDAY, FEBRUARY 6

9:00 AM–10:30 AM CONCURRENT WORKSHOPS

📅 2020 HVAC, a Showcase of Emerging Systems R / Intermediate
📅 Ensuring Demand for Efficiency Over Time:
   Energy Education in Vermont R / Introductory
📅 Fossil Fuel Free at Last:
   Air-to-Water Heat Pump and Ventilation Retrofit R / Intermediate
📅 Healthy Homes and Home Performance:
   Making the Homeowner Connection R / Introductory
📅 Lean Thinking Applied to All Energy Usage C / Intermediate
📅 The Evolution of Mid-Rise Design:
   Increasing Opportunities with Wood C / Intermediate

11:00 AM–12:30 PM CONCURRENT WORKSHOPS

📅 Good Enough—Hitting the Energy Jackpot R / Introductory
📅 Grid-Connected Homes and Businesses R / Introductory
📅 How to Draw Down Carbon Now with our Buildings:
   Practical Solutions and Design Strategies (Part 1) R / Intermediate
📅 Non Energy Benefits—Three Exciting New Programs at
   Efficiency Vermont C / Intermediate
📅 Water, Vapor, Air: How Physics Can Help You
   Choose the Right Membrane R / Intermediate

Details

Need a place to stay?
Accommodations are available at the DoubleTree by Hilton Hotel at a special rate of $132 per room plus applicable taxes. Call 802-865-6600 by January 13, 2020, at 5:00 pm to reserve this rate. Be sure to mention Better Buildings by Design / Efficiency Vermont when making your reservation.

Group discounts
Register four people and get the fifth registration free! Call toll-free 877-248-9900 to learn more about this special discount.

Updates / Questions
To keep posted on updates, visit www.efficiencyvermont.com/bbd.
Questions? Call 877-248-9900 or e-mail info@delaneymeetingevent.com.
### DAY 2: THURSDAY, FEBRUARY 6, continued

#### 1:45 PM–3:15 PM CONCURRENT WORKSHOPS

<table>
<thead>
<tr>
<th>Workshop Title</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy Efficiency Upgrades for Addison Northwest School District Save Taxpayer Money</td>
<td>Intermediate</td>
</tr>
<tr>
<td>How to Draw Down Carbon Now with Our Buildings: Practical Solutions and Design Strategies (Part 2)</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Is There Anybody Here? Using Building Occupancy To Drive Deep Energy Savings</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Solar Plus—Electrifying our Lives Provides a Better ROI</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Zero Energy Now—Vermont’s Existing Homes Solution</td>
<td>Intermediate</td>
</tr>
</tbody>
</table>

#### 3:30 PM–5:00 PM CONCURRENT WORKSHOPS

<table>
<thead>
<tr>
<th>Workshop Title</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessing Financial Assistance with the AIA Green Addendum</td>
<td>Introductory</td>
</tr>
<tr>
<td>Being Your Own Client—Lessons Learned from Designing and Living in a Net-Zero, High-Performance Home</td>
<td>Intermediate</td>
</tr>
<tr>
<td>Better Buildings through Better Chemistry</td>
<td>Intermediate</td>
</tr>
<tr>
<td>The Environmental Impact of Refrigerants: Past, Present, and Future</td>
<td>Introductory</td>
</tr>
<tr>
<td>Want to Save Energy? Its About The Outside Air!</td>
<td>Intermediate</td>
</tr>
</tbody>
</table>

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Follow us on Twitter. Use #BBD20 to follow the Better Buildings by Design Conference 2020

How to Register

Register online at www.efficiencyvermont.com/bbd, call 877-248-9900, or mail or fax the registration form to the address / number listed on side 2.

**REGISTER BY DECEMBER 31, 2019, AND SAVE!**
Register by December 31, 2019, and save!