A Year in Review 2021 Built Green Canada

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An Overview – Eyes on the Prize

2021 saw COVID-19 continue for a second year, and with it multiple variants, leaving ongoing uncertainty about safety measures and the economy. During this time, we were reminded of both the fragility and resilience of the human condition. Across the country there were countless acts of kindness, support and generosity. Alongside this, there has been an increasing focus on health and wellness. Coronavirus has reminded us that public health and healthcare delivery are paramount to our collective well-being. It has also shone a light on another health emergency—climate change and its impact on our health and well-being. COVID-19 and climate change are inextricably linked as they both share our need for improved health.

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As we look ahead, our trajectory will see increased attention on sustainable living—economical, societal, and ecological factors will all be considered to a greater extent because these can impact our welfare, security, and health. As we navigated through this unprecedented period, we continue to focus on improved ways to stay safe and be well. Healthier, more resilient homes is a part of this as we rebuild our economy, offering an important opportunity for the residential building sector: to build more sustainably—to build better. This means consideration beyond energy performance to other critical areas, such as materials and methods, indoor air quality and ventilation, occupant wellness, waste management, water conservation, our business practices, alongside reducing carbon.

Due to COVID-19 and its variants, supply chain issues, increased material prices, labour shortages and an ongoing housing affordability crisis, we faced an unpredictable economy. Despite all of this, we kept our eyes on the prize, forging ahead collectively, with more sustainable building and finding ways to support industry.

Activity Overview:

Built Green Canada continued its reset in 2021, focused on program development as a means to further diversify its program offerings. In this way, new programs offer additional ways for industry to remain competitive, alongside accommodating the ongoing changing housing types and homebuyers' interests.

In reviewing the year, some key highlights include:

- The delivery of our webinar, A Business Case for Sustainability: Business Practices at the end of April. Consistent with our previous webinars, the RSVPs were high and this was recognized with Continuing Professional Development credits from BC Housing, and Master Builder training credits through the Professional Builders Institute. This completed our webinar series focused on Built Green's concentrated program areas and with this, our attention turned to other training opportunities to be launched in 2022.
- Our training courses BUILT GREEN® Program Fundamentals and Construction Technology for BUILT GREEN®, the latter in partnership with Blue House Energy, continued to be acknowledged with Continuing Professional Development credits from BC Housing and Master Building credits through Professional Home Builders Institute.
- Earned media remained steady while COVID 19 news remained front and centre, with a few highlights including CBC Radio-Saskatchewan's interview with Built Green for their " Anecdotes to climate anxiety: Tips for making your home more energy efficient and sustainable (and what money is available to do it)" and CBC Edmonton's interview with Built Green for their " Home energy labels would lower emissions, reduce mystery for buyers".
- The declaration of BUILT GREEN® Day, in parallel to National Environment Week; participation in Habitat for Humanity's National Annual Conference, CHBA BC's Georgie Awards, Victoria Residential Builders Association's CARE Awards (Construction Achievements and Renovations of Excellence) and... Read more.

BUILDER FEATURES

Developer Sustainably Repurposes Office Buildings into Homes

Strategic Group Projects: First Certified through BUILT GREEN® High Density Reno Pilot

The BUILT GREEN® High Density Renovation program in pilot has seen its first two successful certifications, with Strategic Group's Cube in Calgary and E11even in Edmonton! This pilot follows Built Green Canada's holistic sustainable building program for new High Density projects, while offering options for builders like Strategic Group, who retrofit existing buildings.

Riaz Mamdani, chief executive and founder of Strategic Group, says, "We do office-to-residential repurposing because it is good for our economy, good for our community, good for our environment, and good for our business." They're proud of their work recycling buildings, while reducing office vacancy and creating vibrancy in city centres.

To begin with, repurposing has its challenges and requires creative solutions; Strategic decided to do it sustainably—and verify with certification.

While they're strong believers in environmental stewardship, Strategic Group also recognizes the financial benefits. Mamdani continues, "As we move forward with our business plan and strategy, we know it makes good economic sense to include environmentally sustainable practices in our work. Our tenants and residents, stakeholders and neighbours expect a collaborative approach to environmental action, and together we are making smart and creative choices that limit our collective environmental impact."

Repurposing a high density building is not without its challenges and expenses; yet, with thoughtful strategy and planning, there are significant long-term rewards for both business and environment.

For a building to qualify for Built Green's High Density Reno Program, substantial upgrades must be made to the energy systems, including the envelope and mechanical and electrical systems—plus, green features must go beyond energy, to other aspects of sustainability.

Within the former office buildings, Strategic used as much existing equipment and systems as possible. Although there were instances where equipment did not perform to standards, so had to be replaced. The process required effort and diligence, but Mamdani and his team believes if they can reuse more of an existing building, it's worth it.

Through the guidance of the BUILT GREEN® certification program, he says they dramatically improved the efficiency of energy and water systems, used high quality construction materials, upgraded indoor air quality and ventilation, and created a thorough waste diversion program.

To start with, the most sustainable building is the one you never demolish. Mamdani says, "By repurposing aging office spaces into multi-family homes, we have saved tens of thousands of tons of material from going to waste. This is in addition to full suite of sustainability focused renovations that lead to our high density renovation projects being BUILT GREEN® certified." Read more.

First BUILT GREEN® Community Certified: Spring Creek Mountain Village Phase One

Built Green's Communities Program Pilot well underway with builder leadership

In parallel to Earth Day, Built Green Canada celebrates the first project certification awarded through their BUILT GREEN® Communities Pilot Program—Spring Creek's Phase One of their Spring Creek Mountain Village in Canmore, Alberta.

The timing is fitting. Earth Day is an annual, worldwide event devoted to environmental action, and this year, the theme is Restore Our Earth. Alongside advocacy around methods that will capture carbon, like reforestation, this year's theme is aimed at encouraging the reduction of carbon pollution, as is critical to limiting global warming.

Clean energy is one of the key features of the BUILT GREEN® Spring Creek Mountain Village; Owner and President, Frank Kernick, B of S, M.E., estimates that, on an annual basis, their geothermal heating and cooling system will eliminate 600 tons of greenhouse gas emissions. It pumps heat to and from the earth by circulating fluid through a ground loop: using the natural heat of the earth, instead of the more conventional method of burning fossil fuels for energy.

"We were one of the first to adopt geothermal technologies in Alberta to meet our goal: to create a truly sustainable mountain community," Kernick explains, "this is a nod to my parents and grandparents and to Canmore—a legacy for the town in which I grew up."

Spring Creek Mountain Village is 28-hectare redevelopment in the heart of Canmore that has seen massive transformation. In 2004, the Town of Canmore approved the master plan to create this distinct, new urban neighborhood, and construction started in 2006. Spring Creek notes that they have strived to achieve the highest levels of BUILT GREEN® certification on all residential building projects and they are honoured to be the first recognized in the BUILT GREEN® Community program, combining environmental, social, and economic sustainability throughout the community.

Ensuring healthy waterways and banks, all Spring Creek projects are designed to maximize riparian habitat standards—and this main development area has a unique and defining edge with Spring Creek and Policeman's Creek. A perimeter trail system has been incorporated to allow public enjoyment of the creek and to facilitate trail connections. Several bridges have also been added, which provide pedestrian and bicycle access through the entire town, including infrastructure like schools, employment, public transit, entertainment, healthcare and nearby parks.

Within the community, the green space requirements exceed those of Canmore Municipal and Environmental reserve standards. And, Spring Creek has designed a water system for irrigation that uses only ground water, so they do not pull from the municipal water supply. Read more.

Alberta Residential Builder Takes Quantum Leap

Jayman BUILT introduces BUILT GREEN® / Net Zero certified homes

Built Green Canada's first builder, and founding member, has taken another jump forward in sustainable building with their BUILT GREEN® homes. In their new Quantum Performance Ultra E-Homes, Jayman BUILT offers more green features as well as the company's first certified Net Zero Energy homes.

These Calgary- and Edmonton-based houses are expected to use over 80 per cent less energy than a home built to current building code—each home saving over 8 tonnes of greenhouse gas emissions per year—and, exceeding 2030 National Energy Code targets.

This is achieved through a number of systems and methods, including solar—in fact, all energy required to run the home is either from its solar panels, or, when needed, the electrical grid. But, it's not just about energy production. A smarter design means less heat (energy) loss: between Jayman's proprietary wall system (with a one-hour fire rating); a continuous wrap of insulation around the whole home; and triple-pane windows, the home is quieter, more comfortable, and more efficient.

Meanwhile, a highly efficient mechanical system provides domestic hot water and cooling: an air source electric heat pump serves the whole home, even in larger houses, where two furnaces might typically be required. Overall, annual energy use is reduced to 40 GJ, versus a typical new home at around 118 GJ.

Being long-engaged with the Built Green holistic approach, Jayman BUILT knows energy is one piece of the sustainability puzzle. And therefore, they've included thoughtful design elements that improve both the comfort and health for occupants. These range from air filtration systems to the inclusion of a type of fan that has built-in UV light to kill pathogens and help clean the air—this is also programmed into the smart home technology and runs off Alexa.

And beyond attention to indoor air quality, BUILT GREEN® certified homes have addressed water and waste management, more durable and ethically produced building materials, and responsible business practices.

Following their long-held tenants of green building, Jayman BUILT has been able to incrementally hone their process, so they're in a place to offer these responsibly built, high performance homes—with affordability in mind. They've figured out what works and what doesn't, and how to get there without the exorbitant price tag.

"Jayman BUILT is a true leader in the residential building sector," says Chief Executive Officer at Built Green Canada, Jenifer Christenson. "The innovative mindset behind Jayman has propelled the company towards building a better home for their customers, the environment, and this industry as a whole, which naturally evolves as leaders guide the way forward."

"Jayman is proud to welcome Albertans to the homes of the future, as we have redefined the science of homebuilding by combining healthier, smarter, and more energy efficient homes than any other homebuilder in the market," said Jay Westman, Chairman and CEO, Jayman BUILT. "We pride ourselves on our award-winning designs and professional customer experience. We are leading by example in Canada and have met 2050 Net Zero targets, as of today."

What Builders Are Saying About Built Green

We hear many builders and developers saying participation in a third-party certification program helps them build better and offers them a competitive advantage. Here's what a few BUILT GREEN® builders have to say.

Featured Tweet

Net Zero Complementary to BUILT GREEN® Platinum

We see a number of BUILT GREEN® Platinum / Net Zero homes. Net Zero is complementary to Built Green, given we address energy and then go beyond to other critical areas of sustainable building, for a holistic approach.

This speaks to the success of our programs, which support builders in building better, and through our four levels of certification, allow for builders at varying stages to progress and increase the environmental performance of their builds.

Did You Know – Homebuyer Benefits are Outlined

The homebuyer benefits overview can help you market your BUILT GREEN® home; ensure your customers know why your product is superior! You can offer economic benefits, a healthier, more comfortable home, increased durability, a more efficient home, alongside verification of green features!

Project Certifications

Single Family Program

Our flagship, the Single Family New Construction program's origins are in 2003 when the organization was formed. Many BUILT GREEN® builders certifying through this program are long-time leaders who have been with us since our beginning, while others have opted in along the way. We acknowledge their collective contributions to progressing sustainable building and providing healthier, more sustainable homes for their clients.

Certification Numbers

Built Green certified 1,892 single family projects (includes MURBs).

Breakdown of Single Family Certification Levels for 2021

- Bronze: 9%
- Silver: 30%
- Gold: 58%
- Platinum: 3%

Put a Label On It – Show Off Your 3rd Party Certification

There are builders who say they're building a higher performance home, and they may be… and there are builders who say they are, which may not be—we don't know, and neither does the customer.

Without certification, it's difficult to know whether requirements are met; certification removes perceptions of greenwashing. Putting the BUILT GREEN® label on the electrical panel or furnace tells homebuyers you're legitimate. Show off your label—in the home, in your advertising, and on social media.

This is about your competitive advantage. It's about you: a progressive builder who is building more sustainably, with a label to verify this. It's about being a builder who does more than code. And, it's about pass-along benefits you're able to offer your homebuyer.

Increasingly, we receive calls from customers asking if a home they're considering has been certified. Homebuyers are becoming more discerning about "green feature" claims and the legitimacy of these.

As covid continues, healthy living is on all our minds: highlight green features that make your home healthier—it's more than energy.

If you need assistance highlighting green features, please contact us.

Highlight Your Certification: #PutALabelOnIt

Include #BuiltGreen #PutALabelOnIt hashtags on social media posts: show customers you're a builder who goes beyond status quo!

Display Your Two-In-One Home Certification

The BUILT GREEN® home certification label is usually affixed to the furnace or electrical panel, along with the EnerGuide label from Natural Resources Canada.

These labels offer verification to the energy efficiency and green features of the home and reinforce to the homebuyer that they've purchased from a quality builder. Here are BUILT GREEN® labels showing all four levels of certifications, plus the EnerGuide label.

EnerGuide is an official mark of Natural Resources Canada: used with permission.

More Ways to Showcase Your Home Certification

Did you know we have metal plaques for purchase, which further accentuate home certification? A plaque provides a conversation starter and reinforces the home's third-party certification—beyond EnerGuide and BUILT GREEN® labels. Available in bronze, silver, gold, platinum, and generic (no level identified).

Uptick on BUILT GREEN® Plaques as Certification Ranked in Top 20 "Must Haves"

Home certification/rating is ranked in the top 20 "must haves". We see this reflected in our increased sales of metal plaques of over 25 percent in 2021. *2021 Canadian Home Buyer Preference National Study by Avid Ratings & CHBA National*

Platinum Certifications

Congratulations to all those who achieved Platinum certification on their single family or renovation projects in 2021:

1081239 Alberta Ltd, Bow View Homes Ltd., Boehm Construction Ltd., Coast Essential Construction Ltd, Citta Construction Ltd. (6), Crystal Creek Homes, Diamond Head Development Construction Ltd, Falcon Heights Contracting Ltd, GNB Builders Inc. (2), Hasler Homes Ltd, J. Zsiros Contracting Ltd. (2), Jayman BUILT Calgary, Jayman Masterbuilt – EDMONTON, Landmark Homes (15), Legacy Signature Homes Inc. (4), Macropus Global Ltd, Naikoon Contracting Ltd, P.R. Building Green Community, Build Green. Live Green. LTD. (2), Paramax Homes, Partners Development Group Ltd. (4), Rococo Homes (4), Spring Creek Mountain Village Inc. (2), TRF Woodcrafts, True-Line Contracting Ltd. & Tyee Homes (10).

A shout-out and congratulations to Diamond Head Development Construction Ltd, J. Zsiros Contracting Ltd, Jayman BUILT, and Naikoon Contracting Ltd. for achieving BUILT GREEN® Platinum and Net Zero on their project!

Project Certifications

High Density Projects Certified

The High Density program is applicable to multi-storey, residential tower, and mixed-use. Over 2021, 16 high density projects were completed, as shown below. These progressive builders continue to demonstrate leadership in the residential building industry, and verify their exemplary work with certification.

High Density Projects Certified in 2021

Aria by Graham Group Ltd.
- 288 units, rental apartments
- Calgary, AB
- Verifier: Erik Heck, Mission Green Buildings

August at University District by Homes by Avi
- 107 units, condominiums
- Calgary, AB
- Verifier: Tyler Hermanson - 4 Elements Intergrated Design

Capital by Strategic Group
- 214 units, rental apartments (HD Renovation from office building)
- Edmonton, AB
- Verifier: Matt Grace, Mission Green Buildings

Coast Apartments by Clark Builders
- 89 units, rental apartments
- Canmore, AB
- Verifier: Erik Heck, Mission Green Buildings

Carrington View by Highstreet Ventures
- 186 units, rental apartments
- West Kelowna, BC
- Verifier: Tyler Hermanson, 4 Elements Design

Jack Pine Lodge by Spring Creek Mountain Village Inc.
- 49 units, condominiums
- Canmore, AB
- Verifier: Roger Chayer - Talus Green Building Consulting

Libra at Lumino Park by Kanas Holdings Corporation
- 121 units, mixed-use
- Calgary AB
- Verifier: Karen Goddard Hermanson, 4 Elements Integrated Design Ltd.

Montrose Square, Phase 1 by Quantum Properties Inc.
- 219 units, condominiums, mixed-use building
- Port Coquitlam, BC
- Verifier: Emma Conway, E3 Eco Group Inc.

The Residences at 7th and 7th by Distinctive Homes Inc.
- 38 units, condominiums
- Canmore, AB
- Verifier: Roger Chayer, Talus Green Building

Raven's Crossing by Campbell Construction
- 34 units, co-housing
- Sidney, BC
- Verifier: Roger Chayer, Talus Green Building Consulting

Skaha Shores, Building A by Highstreet Ventures
- 90 units, rental apartments
- Penticton, BC
- Verifier: Tyler Hermanson, 4 Elements Integrated Design

Skaha Shores, Building C by Highstreet Ventures
- 90 units, rental apartments
- Penticton, BC
- Verifier: Tyler Hermanson, 4 Elements Integrated Design

Skyridge LP by Diamond Head Development Construction Ltd
- 44 units, condominiums
- Squamish, BC
- Verifier: Luke Dolan, Capital Home Energy

Upten by Strategic Group
- 277 units, rental apartments
- Calgary, AB
- Verifier: Matt Grace, Mission Green Buildings

Vue Canmore by Sunstone Resort Communities
- 159 units, rental apartments
- Canmore, AB
- Verifier: Erik Heck, Integral Group Consulting

West Wind Harbour by Campbell Construction
- 34 units, co-housing
- Sooke, BC
- Verifier: Joanne Sawatzky, Light House Sustainability Society

PROGRAM UPDATES & REMINDERS

Automatic Incentives and Rebates

These are available across the country and vary based on project type (single family, renovation, and high density). Find details here.

Automatic 15% Mortgage Insurance Rebate on BUILT GREEN® Single Family Projects


Building Certificate of Authenticity

Buying sustainable homes offers savings, making them even more affordable for homebuyers. Single family new homes certified through Built Green Canada are automatically eligible for a partial mortgage loan insurance premium refund of 15%—ask us for your certificate.

Canada Mortgage & Housing Corporation, Sagen™ (previously known as Genworth Canada), Canada Guaranty Mortgage Insurance Company, and others offer a premium mortgage insurance refund of 15% to borrowers who buy or build Built Green.

For more information, visit CMHC Green Home Program / Sagen™ Energy-Efficient Housing Program / Canada Guaranty Energy-Efficient Advantage Program and more.

Looking Ahead: 2022 Program Updates

Our program checklists have limited updates, mostly clerical and minor verbiage adjustments. Over the last few years, we've updated / added a number of checklist items based on industry input, code changes, new innovations, and input from our Technical Standards Committee and the Board of Directors. Many of these have created new opportunities to earn points toward BUILT GREEN® certification.

We're particularly interested in greenhouse gas emission reporting and encourage innovation by awarding points for these. As well, we want builders to consider checklist items related to disaster preparedness and home modifications for aging in place, as well as the Water Efficiency Rating Score (WERS) certification, which is an option for Water Conservation.

I. Project Enrolment: March 31 Deadline

Projects using the 2021 checklists must be enrolled by March 31, 2022. Should there be extenuating circumstances, please contact us.

II. 2022 Program Checklists

Program checklists are available to members on the BUILT GREEN® Portal. Or, contact our office.

- Single Family New Construction
- Single Family MURB New Construction
- Single Family Whole-House Renovation
- Single Family Room Renovations (Kitchen, Bathroom, & Basement)
- High Density New Construction
- High Density Renovations
- Communities

Education Opportunities — Is Your Training Up to Date?

We believe training is essential. Annual membership renewals came out earlier this year, and a requirement for builder membership is: *training is taken every two years*; also, points can be earned on our checklist for doing so. We offer several options, and even for long-time members, these are great refreshers.

BUILT GREEN® Program Fundamentals – online
$150 for members / $250 for non-members

This fundamentals course is a requirement for new builders and focuses on the fundamental aspects of the program. 3 CPD points through BC Housing and Master Building training credits through Professional Home Builders Institute. *We also strongly recommend building science training as a natural progression.*

Construction Technology for BUILT GREEN® – online
$276.50 for BUILT GREEN® members / $395 for non-members*

An excellent *building science course* offered by Blue House Energy. 20 CPD points through BC Housing and Master Building training credits through Professional Home Builders Institute.

We acknowledge Building Science for New Homes training available through Service Organizations licensed through Natural Resources Canada as well as other training providers.

Built Green Net Zero Energy for New Construction – online, NEW
$276.50 for BUILT GREEN® members / $395 for non-members*

A continuing education course, introducing concepts and techniques for developing high performance and net zero energy new construction projects. In addition to advanced envelope and mechanical system content, this includes discussion on how occupant behaviour impacts overall energy use, and affects sizing of renewable energy systems.

We recognize there are other training opportunities related to sustainability that may meet our membership training requirements. Please contact our office to confirm.

Our Supporting Members Help Builders

Our Supporting members are responsible for products and services for the residential building industry—they're a great resource for our builder members and others working in sustainable development. They have similar goals to our builders and are required to meet membership criteria to be part of our community. Be sure to make mutually beneficial connections!

PRODUCT CATALOGUE CONNECTION

The BUILT GREEN® Product Catalogue is **an online resource for builders and renovators** of building materials for use in sustainable construction. Products have been approved by Built Green Canada, giving builders peace of mind and saving them time sourcing materials. Our programs are based on checklists that guide our builders to achieving BUILT GREEN® home certification, and those materials in our catalogue are tied to specific checklist items.

Below, our featured Product Catalogue contributors are listed with their BUILT GREEN® approved products. If used in your BUILT GREEN® project, these products can help earn checklist points.

Save Time on Product Sourcing!

View all products approved for use in our programs by visiting the Product Catalogue: www.builtgreencanada.ca/product-catalogue

Products are divided into the sections of the BUILT GREEN® programs in which they can help earn projects points towards certification.

Feature your sustainable building products to our community through our online, public catalogue: apply here or contact us for more information: kpodolski@builtgreencanada.ca.

Section 1: Energy & Envelope

EcoInnovation Technologies Inc: ThermoDrain™

Earning checklist points in Envelope & Energy (1.3.10)

- ThermoDrain™ is a Canadian manufactured drain water heat recovery unit, which passively extracts heat from waste water to preheat incoming cold water. ThermoDrain™ is a cost-effective, comfortable solution for builders to meet energy efficiency requirements by using waste energy to preheat incoming cold water. 100% copper, it requires no maintenance and has no moving parts. Intertek Certified to CSA B55.2 and Verified to CSA B55.1.

Greenstone Building Products

Earning checklist points in Energy & Envelope (1.2.5)

- Greenstone Insulated Composite Envelope (ICE) Panels are an engineered combination of EPS and galvanized steel used to create sustainable, efficient, lifetime building envelopes. ICE panels address challenges with traditional building methods like thermal bridging, rot, mould, off-gassing, and inadequate thermal performance. Greenstone's advanced building system is an affordable way to achieve lighter, stronger, and more comfortable buildings.

Henry Company Canada

Earning checklist points in Envelope & Energy (1.1.10)

- Henry Blueskin® VP100 is a next generation vapor permeable air barrier that picks up where traditional polymeric wraps leave off. It's a fully adhered, peel-and-stick system that eliminates air leakage, while functioning as a water-resistant barrier and rain barrier.

Innotech Windows and Doors

Earning points in Envelope & Energy (1.2.16) and Materials & Methods (2.2.14.1)

- Innotech Tilt + Glide Sliding Glass Doors, Tilt + Turn Terrace Swing Glass Doors, and Tilt + Turn Picture Windows are EnergyStar qualified for Zones AB (double glazed) and Zones ABCD (triple glazed). Depending on the finish, they may also have recycled content in the perimeter frames.

Nudura® Insulated Concrete Form

Earning checklist points in Energy & Envelope (1.1.3, 1.1.4)

- The Nudura® Insulated Concrete Form is the builder's block. It's the largest ICF in the industry at 8' long by 18" high. Nudura® folds flat, which means cheaper shipping and more room on the job site. Nuduras' Duralok technology allows the ICF webs to lock together vertically.

Plasti-Fab

Earning checklist points in Energy & Envelope (1.2.3, 1.2.4, 1.2.7, 1.2.8)

- Plasti-Fab has been manufacturing EPS product solutiuons since 1968, and is the only vertically integrated EPS company in North America. They offer three products that have been BUILT GREEN® approved: Advanced ICF system (1.2.3), as well as their DuroFoam® and EnerSpan® Insulation (1.2.7, 1.2.8)

Structural Insulation Construction Systems

Earning points in Envelope & Energy (1.1.5)

- These engineered building systems combine EPS and structural-grade galvanized steel studs into pre-manufactured pick-and-place sections for residential and light commercial building envelopes. Foundations without concrete, basement floors without concrete, and high R-value above-grade wall systems can be used together in packages or independently with standard building systems. Manufactured in Edmonton.

Watercycles Energy Recovery Inc.

Earning checklist points in Energy & Envelope (1.3.10)

- Increase the energy efficiency of new homes with a drain water heat recovery (DWHR) unit. The Watercycle reduces the cost of hot water heating and doubles the output of a hot water heater.

Section 2: Materials & Methods

CarbonCure Technology

Earning checklist points in Materials & Methods (complementary to 2.2.4), Business Practices (7.1.10)

- CarbonCure's technology is an affordable retrofit to existing concrete plants that allows producers to recycle waste carbon dioxide (CO2) during production to make stronger, environmentally friendly concrete.

CRAFT Artisan Wood Floors

Earning checklist points in Materials & Methods (2.3.15, 2.2.9) and Indoor Air Quality (3.17, 3.21)

- CRAFT Artisan Wood Floors is a leader in the field of sustainably sourced materials for use in wideplank, hardwood floors. CRAFT utilizes well trained wood artisans to make floors that are exceptionally beautiful and unique, yet within budget for most projects.

IKO Industries Ltd.

Earning checklist points in Materials & Methods (2.3.1.1, 2.3.1.2, 2.3.1.3, 2.3.3)

- At IKO, the best-made shingles start simply, with quality materials and an eye for detail; they offer a variety of BUILT GREEN® approved shingles. Built right with solid construction and weather-resistant design, shingles are carefully crafted to highlight a home's beauty. These hardy, fiberglass shingles shield the home against the forces of mother nature. Shingles come with a limited 30-year warranty and are available in a wide range of colors.

Lafarge Canada

Earning checklist points in Materials & Methods (2.1.8, 2.2.4)

- Lafarge Ultragreen™, General Use, Ultragreen Plus, and UltraSustainability concrete lines use by-products from other manufacturing industry such as fly ash and slag, at a 50% (70% in Ultragreen Plus) cement replacement. This reduces the overall environmental impact of these industry waste by-products, and reduces the concrete's carbon footprint. Lafarge utilizes Portland Limestone Cement, which results in a 10% reduction in carbon dioxide emissions, compared to regular portland general-use cement.

K2 Stone Quarries

Earning checklist points in Materials & Methods (2.2.11, 2.3.5, 2.3.9)*, Business Practices (7.6)*

- Ocean Pearl Natural Stone is a durable, natural, low-maintenance product. It's quarried locally in Port Renfrew and processed in Nanaimo. Building products consist of thinstone veneer, full bed ledgestone, and capping. Landscape products consist of flagstone, cobbles, wallstone, and others.

Stonetile (Canada) Ltd.

Earning checklist points in Materials & Methods (2.3.4)

- Concrete exterior cladding (siding) tile, mechanically fastened, has built-in 10 mm rainscreen airspace. Rainscreen hangers are imbedded into the tiles and are part of the tiles. They are attached with screws to 3/8" wall sheeting. Joints are filled with non-combustible Urethane caulking and coated with dust free sand. Stonetile has a CCMC # 12886-R.

Tremco Barrier Solutions

Earning checklist points in Materials & Methods (2.3.2)

- Watchdog Waterproofing is a cold applied, polymer modified, asphalt emulsion (water-based). It's spray applied, by certified contractors only, to provide an elastomeric waterproofing membrane to the exterior of foundation walls. Watchdog, with water being the primary carrier, can be successfully applied year around.

Section 3: Indoor Air Quality

AeroBarrier

Earning checklist points in Indoor Air Quality (3.9)

- AeroBarrier is an aerosol-applied, waterborne acrylic designed to seal the building envelope. It's a vapor open-air barrier designed to control air flow through the building envelope, while allowing water vapor to pass through. It can be applied as soon as the building envelope can be pressurized—from building rough-in to finished spaces. AeroBarrier is used in conjunction with other building products to provide a comprehensive air barrier system.

Ultimate Vent

Earning checklist points in Indoor Air Quality (3.1.2)

- Ultimate Vent, a pre-filtering furnace fresh air intake vent that enhances the furnace system and provides the builder with a more economical and effective way for less maintenance, fewer complaints, fewer furnace problems, better efficiency, and another opportunity to affect long-term, indoor air quality.

Section 4: Ventilation

Aprilaire

Earning checklist points in Ventilation (4.6)

- The Aprilaire Model 400 Whole-House Humidifier features a built-in bypass damper and utilizes evaporative technology to minimize water use. Gravity pulls water down, while the wicking action of the Water Panel® draws it back to the top, using 100% of the water delivered to the unit.

Desert Spring Eco-Products Ltd.

Earning checklist points in Ventilation (4.6)

- This Canadian-made Pulse Humidifier system is a true water-efficient, flow-through humidifier. Water consumption is carefully monitored and controlled by its patented Pulse control unit, which senses the by-pass air temperature and meters water flow to avoid potential standing water issues and / or reduction in output.

Johns Manville

Earning checklist points in Energy & Envelope (1.2.2), Materials & Methods (2.2.4), Indoor Air Quality (3.10), Business Practices (7.14)

- Johns Manville has a complete line of insulation solutions, all from one reliable source. They have a number of BUILT GREEN® approved products, including: insulation (2.2.4, 3.10), sheathing (1.2.2), vent chutes (7.1.4), and batts (7.1.4).

Ecoplast Solutions Inc.

Earning checklist points in Energy & Envelope (1.2.5), Business Practices (7.1.4)

- Ecoplast manufactures affordable, energy-efficient, composite buildings with SIPs made from 100% green PET foam, a foam manufactured completely from recycled plastic, which provides much-needed waste diversion from landfills. This creates an airtight building envelope, which eliminates thermal transfer and delivers advanced energy performance. Unlike traditional building materials, the panels are impermeable to moisture absorption and prevent degradation of the structural and insulation properties, and eliminate need for framing, separate insulation, siding, or shingles.