



Q4 2020 Quarterly Newsletter

Built Green Canada

In this Issue:

- Built Green's Year in Review - Industry Steps Up During Covid
- We Can Support Your Code Requirements & Sustainability Goals
- Display Your Two-In-One Home Certification
- Builder Highlights
- Business Practices Webinar - April 20
- Incentives - Automatic 15% Mortgage Insurance Rebates **
- Energy Advised - Sikander Singh, Oasis Engineering Group
- Program Updates
- Product Catalogue Connection

Built Green's Year in Review - Industry Steps Up During Covid

Activity Overview:

2020 was the time of COVID-19, as it remains now. During this sustained period of social distancing and uncertainty, we are reminded of both the fragility and resilience of the human condition. Across the country there are countless acts of kindness, support, and generosity. Alongside this is 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 while coronavirus is urgent, climate change is here, and its impact continues to increase. COVID-19 and climate change share our need for improved health.

Our trajectory will see increased attention to 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 navigate this unprecedented period and look ahead, we continue to focus on improved ways to stay safe and be well. Healthier, more resilient homes will be 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, waste management, and water conservation.

Built Green Canada undertook a reset during COVID-19 with an increased industry engagement strategy, including webinar delivery and program development. While the office implemented social distancing measures, there were no interruptions to our program delivery.

In reviewing the year, some key highlights include:

- The delivery of seven webinars, including Energy & Envelope Part I, Energy & Envelope Part II, Materials & Methods, Indoor Air Quality & Ventilation, Waste Management & Water Conservation—the RSVPs were high, ranging from 90 to 240. These were recognized

with Continuing Professional Development credits from BC Housing, and Master Builder training credits through the Professional Builders Institute. As well, Built Green delivered an Energy Step Code as a Compliance Option with BUILT GREEN® to the City of North Vancouver and industry, and a Meadows of Laurel “how to” for the City of Edmonton, as well as builder presentations.

The focus on healthier, more resilient homes offers an important opportunity for the residential building sector: to build more sustainably—to build better.

- Earned media saw an increase, with a few highlights, including two features in CBC National's “What on Earth” from their Technology and Science section; the cover story in Building Rural Manitoba; two marcom campaigns highlighting the intersection of healthier living and sustainable homes, as well as the Communities program; and a contest focused on the value of a third-party label (Put a Label on It).
- The declaration of BUILT GREEN® Day, in parallel to National Environment Week; participation in the Canadian Home Builders' Association Edmonton Region's Residential Construction Industry Conference (RCIC); 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)—the latter three done virtually.
- Our training courses BUILT GREEN® Program Fundamentals and Construction Technology for BUILT GREEN®, in partnership with Blue House Energy, continued to be acknowledged with Continuing Professional Development credits from BC Housing and Master Building training credits through Professional Home Builders Institute.
- Ongoing work with key stakeholders, including Blue House Energy; Canada Mortgage & Housing Corporation; City of Edmonton; Builders' Association Edmonton Region and British Columbia; select Canadian Home Builders' Association affiliates; Habitat for Humanity; Mindscape Innovations; Natural Resources Canada; the Victoria Residential Builders Association; and more.

Program Updates: Single Family onsite verifications (another component of our certification's quality assurance) carried on through the year—during this period we saw more verifications completed than we'd even asked for; the continued 30% discount for BUILT GREEN® members taking Construction Technology, online modules focused on building science and building better; the launch of Built Green's Communities program with a project already enrolled; development of a reimagined Renovations program; wrap up of the 2021 Single Family, Renovations for Single Family, High Density, High Density Renovations Checklists and their supporting Guide, alongside the Communities checklist—Built Green is particularly interested in greenhouse gas emission reporting and encourages 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.

Success Indicators: Overall, 2020 saw notable momentum, despite the pandemic and an economic downturn, alongside code changes and the associated effects, as industry adjusted to these new requirements; specifically, over 1,985 single family projects were enrolled for certification, and over 1,892 single family projects were certified BUILT GREEN®, while 22 high density projects were enrolled for certification and 20 were certified BUILT GREEN®—including the units in high density, this is 3,369 certified homes—living spaces that are more energy efficient and sustainable. While single family project enrolments remained status quo (up two percent from previous year), high density enrolments grew 47 percent.

To date, builders have worked with us to complete over 36,065 BUILT GREEN® certified homes represented in Alberta, British Columbia, Saskatchewan, and Ontario—including the units in multi-storey projects, the total is over 41,522 (as of December 31, 2020). These numbers are a continued testament to builders' ongoing leadership in progressing sustainable building practices and meeting the demand for high performance homes, while faced with a pandemic, continuing market challenges, and code changes.

Moreover, Built Green saw a number of BUILT GREEN® Platinum / Net Zero homes. The Net Zero program is complementary to Built Green Canada's, given we address energy and then go beyond for a holistic approach to sustainable building. This double label speaks to the success of our programs, which support builders in building better.

Our Gratitude and Thanks to the Industry's Frontline Workers

We would again like to thank all the industry's frontline workers who continue building better, more sustainable homes as the COVID-19 pandemic continues. To builders, trades, suppliers, energy advisors, inspectors, warranty providers, and the many more who support those on the ground, including associations and government, whether from home or in their place of work—thank you for all you do. Thanks to you, the industry continues to move forward, safely and responsibly, while providing healthier homes and contributing to the economy.

In the time of COVID-19, let's continue to work together for a healthier, more resilient place to live.

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 to further accentuate your home's certification: builtgreencanada.ca/built-green-metal-plaques.

A plaque provides a conversation starter and reinforces the home's third-party certification—beyond the EnerGuide and BUILT GREEN® labels. They are available in bronze, silver, gold, platinum, and generic (no level identified).



Photo: Lentel Construction

We Can Support Your Code Requirements & Sustainability Goals

A Shout-Out to Builders:

A BUILT GREEN® home offers assurance that a new or newly-renovated home checks all the boxes on sustainability. If you're a builder wondering how you can benefit from the broader shift to high-performance building without breaking the bank, consider [joining our crew](#). We'll save you a spot. And, whether your building jurisdiction requires 9.36 or Energy Step Code, our programs align and help you move ahead of the curve.

A Shout-Out to Municipalities:

BUILT GREEN® builders have been delivering more sustainable homes all along. If you're part of a municipality looking for ways to support your climate mitigation strategies, as well as support builders in your area, Built Green Canada can help—let us know.

Hear what some of our builders say about our programs [here](#).

In these times of uncertainty, let's support one another, support local, and support other business and not-for-profits.

BUILDER HIGHLIGHTS

First High Density Renovation Certifications Awarded

First Projects Certified through High Density Renovation Pilot

The first two High Density Renovation projects have successfully went through our BUILT GREEN® High Density Renovation program in pilot. Congratulations to **Strategic Group** and their BUILT GREEN® High Density Verifier, Matt Grace from **Integral Group** on these beautiful, sustainably renovated office-to-residential repurposing projects in Calgary and Edmonton!

CUBE and E11even, these first projects to go through the program, achieved BUILT GREEN® Silver certification! Meanwhile, Strategic has two more similar HD Reno projects enrolled for certification.

CUBE

Formerly known as Stephenson, **CUBE** is located in the Beltline at 1177-11 Avenue in Calgary. It brings 65 new homes to this highly sought-after area, and is one of the city's first office-to-residential space conversions—as well as the first for Strategic Group!



Photo courtesy of Strategic Group

Strategic felt that, between the prime location near entertainment and employment districts, public transportation, and grocery, this put the building on their high-priority list for re-purposing. They believe it makes good economic sense to include environmentally sustainable practices in their work; the result at CUBE is a collection of innovative, stylish rental options, that are more sustainable options for Calgarians.

e11even



Photo courtesy of Strategic Group

Previously a 15-storey office tower known as Harley Court, freshly dubbed **e11even** brings 177 rental suites to downtown Edmonton, steps from Jasper Avenue at 10045-111 Street.

Amidst newer developments, Harley Court had been standing vacant, and as Strategic Group put it, 'functionally obsolete'. And yet, in this neighbourhood of Oliver, with plenty of culture and amenities, nearby universities, and employment opportunities, the building is in a valuable housing location. Strategic recognized the opportunity to repurpose, and, working with sometimes unconventional floor plans, they made unique, beautiful, and greener living spaces. Ranging from bright, open, loft-style studios, to one- and two-bedroom suites, these units were designed to be stylish and sustainable, with features like chef-inspired kitchens, pendant island lighting, and stone countertops.

High Density Certifications Enrolled and Awarded

Creekview Heights by Highstreet Ventures

A builder that has been consistently putting high density projects through BUILT GREEN® certification, **Highstreet Ventures** has three new, 72-unit, four-storey buildings that have gone through the program, each achieving Platinum certification! Creekview Heights is an

apartment complex on Delenheer Road in Vernon, British Columbia with a number of green features, such as solar panels, electric car charging stations, bicycle parking/storage and repair, water and energy-saving appliances, and much more.



Photo courtesy of Highstreet Ventures

In celebration of this achievement, BUILT GREEN® builder, Highstreet Ventures, and Creekview Heights' property manager, Skyline Living, made a joint \$20,000 donation to **Archway Society for Domestic Peace**, an organization offering a transitional house, counselling, and justice-related programs, alongside supportive programs for young parents, women at risk of violence and homelessness, and children who have suffered abuse. More information [here](#).

Congratulations to everyone who contributed to this high-performance, holistically built project, including BUILT GREEN® High Density Verifier, Tyler Hermanson of **4 Elements Integrated Design LTD.**

Lookout Ridge by Distinctive Homes

In Three Sisters Mountain Village within Canmore, Alberta, stands a new BUILT GREEN® Gold certified condo building: **Lookout Ridge**, with 55 units over 3 storeys. It was built with a special focus on energy and water efficient features, alongside improved indoor air quality with aspects like low-VOC materials, which contribute to a healthier home environment. And, while these mountain-modern homes are connected to a network of nature trails, they are also easily accessible to downtown Canmore!



Photo courtesy of Distinctive Homes

With Lookout Ridge, long-time BUILT GREEN® builder, **Distinctive Homes**, added another impressive project to their long list of BUILT GREEN® certified builds. Congratulations to them and their BUILT GREEN® High Density Verifier, Roger Chayer of Talus Green Building Consulting on this beautiful, sustainably built mountain hideaway.

Cambridge Manor by Clark Builders



Photo courtesy of Clark Builders

With **Cambridge Manor**, Calgary's University District has a new housing development aimed at inter-generational living: providing greener buildings designed to integrate the aging population with an assisted living facility, alongside other district residents, including students. On

behalf of the Brenda Stafford Foundation—a charitable organization with seniors' care at its core—Clark Builders produced this 241-unit housing facility that achieved BUILT GREEN® Gold certification, with particularly high points in Energy & Envelope, Ventilation, and Waste Management.

This is **Clark Builders'** first project through Built Green Canada, and they already have another underway. Congratulations to Clark Builders and their BUILT GREEN® High Density Verifier, Lindsey Kindrat of **3 Point Environmental** on this important project.

Habitat for Humanity National Hosts Virtual Conference - Partner, Built Green Canada Participates

Each year, Habitat's national conference brings together affiliates from across the country to connect and learn from each other, with the goal to ultimately help everyone better serve their homeowners. Adjusting to in-person limitations imposed by covid, Habitat for Humanity Canada held a virtual national conference in November, 2020.

Our organizations align in our work to build a sustainable, healthy future for generations—with a key focus on affordability. A long-time partner with Habitat, Built Green Canada participated in the virtual vendor expo. Thanks to Habitat for extending the opportunity to further support and connect with their exclusive community.

WEBINARS FOR YOU

Upcoming Business Practices' Webinar – April 20

On April 20, we will hold our next webinar, looking at the importance of responsible, greener business practices, as they relate to manufacturers and builders.

More responsible building practices, as well as more responsible policies and procedures, contribute to reduced utilities at the office, the onsite construction trailer, etc. – savings which can be passed on to the customer.

Pending eligibility for education credits: CPD points with BC Housing and can be used for credit through PHBI. Webinar is free.

We Continue to Support Industry with Webinars During COVID

Adjusting to COVID, we have continued to safely support builders and provide educational opportunities. As part of this, we have been delivering a series of free webinars focused on our certification programs, each concentrating on key components of our programs.

In 2021, we will be delivering four webinars, and will be sure to reach out to our community with details.

Beyond reviewing more sustainable building practices, we also review benefits and provide practical, affordable suggestions to build better and earn points towards BUILT GREEN® certification.

These webinars are applicable to industry, whether you're a builder or not—all are welcomed to attend, as together we collectively work toward a more sustainable, healthier future.

Waste Management & Water Conservation Webinar – Nov. 17

On November 17, we held another webinar, looking at the importance of using building practices that improve efficiencies around water usage and waste management. Water conservation products and practices were discussed, as well as the Water Efficiency Rating Score (WERS), from the Green Builder® Coalition. Meanwhile, we dealt with the handling of waste materials on the construction site, including practical recycling practices that can save the builder money.

With 170 RSVPs, there was representation from across Canada—thanks to all who participated and to those who donated services: [Sea to Sky Removal](#) and [1st Choice Construction Site Services!](#)

Education Opportunities - Is Your Training Up-to-Date?

We believe training is essential. Annual membership renewals come out in 2021, and one requirement for builder membership is that *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 also acknowledge Building Science for New Homes training available through Service Organizations licensed through Natural Resources Canada as well as other training providers.

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

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



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.

Breakdown of Single Family Certification Levels for Q4

- Bronze: 5%
- Silver: 18%
- Gold: 72%
- Platinum: 5%

Platinum Certifications



Congratulations to all those who achieved Platinum certification on their single family or renovation projects in Q4:

Coast Essential Construction Ltd, Hasler Homes Ltd, Jayman BUILT Calgary, J. Zsiros Contracting Ltd, Landmark Homes (x2), Legacy Signature Homes Inc. (x2), Macropus Global Ltd, Partners Development Group Ltd. (x2), Spring Creek Mountain Village Inc. & Tyee Homes.

A shout-out and congratulations to Jayman BUILT for achieving BUILT GREEN® Platinum and Net Zero on their project!

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.

Industry Awards During COVID-19

Builders' achievements aren't going unnoticed



To avoid cancellation during COVID-19, a number of industry awards have went to livestream during the fourth quarter.

In these uncertain times, builders' achievements have not gone unnoticed. We want to acknowledge all those building to a higher standard—as well as the associations that work to highlight their work and provide ongoing learning opportunities.

Built Green in the News

Over the fourth quarter of 2020, COVID-19 continued to dominate the news; however, Built Green related media coverage was by outlets including Building.ca, Calgary Herald, Construction Canada, Daily Commercial News, Edmonton Journal, Environmental Journal, Goderich Signal Star, Hirmagazine.com – Home Improvement Retailer, Heating, Plumbing, and Air Conditioning (HPAC) Magazine, St. Albert Today, Yahoo Finance, and more.

NEWS

Energy Advised



With building code changes and increased emphasis on energy efficiency, the role of Energy Advisors (EAs) and professional engineers who specialize in building science and monitor building performance has become ever more important. Energy Advisors are certified professionals in energy efficiency and are licensed by Natural Resources Canada to deliver the EnerGuide Rating System—a key component of our Single Family and Single Family Renovation programs—as well as provide energy modelling required for our High Density programs.

These professionals are invaluable for helping to increase the performance of a building, and to support the evolving industry.

Sikander Singh, Oasis Engineering Group

Oasis Engineering Group is an engineering consultancy firm servicing developers and builders. They are actively involved in the residential and commercial building community, providing builders with structural engineering and energy modelling reports, as needed for building permits and participation in the BUILT GREEN® programs. Their office is a one-stop-shop for builders.

Sikander Singh, Principal, says, “We go the extra step to find value in our clients' projects by considering various building alternatives and mechanical systems to find a balance between energy efficient homes built within budget.” They have successfully delivered hundreds of EnerGuide labels on BUILT GREEN® certified homes, including numerous net zero energy homes in Alberta.

Oasis Engineering Group recognized many of their volume builder clients exceeding the minimum building requirements when it came to energy efficiency. They assisted their builder clients in obtaining EnerGuide labels and BUILT GREEN® certification in an effort to be recognized for their higher energy efficiency specifications.

Sikander is actively involved in the local green building community, having contributed to the design and build of numerous net zero energy projects. He is a council member with Canada Home Builders' Association's (CHBA) Net Zero Council of Canada and a Board Member on Infill Development in Edmonton Association (IDEA).

Meanwhile, Oasis Engineering Group is an active member of Built Green Canada, Canada Green Building Council (CAGBC), Canada Home Builders Association (CHBA), Infill Development in Edmonton Association (IDEA), Association of Professional Engineers and Geoscientists of Alberta (APEGA).

For more information visit www.oasisengineering.ca or contact the team: 780.757.8220 / contact@oasisengineering.ca

At Built Green Canada, we would like to like to extend a huge thanks to all those Energy Advisors who work with BUILT GREEN® builders to progress sustainable building practices.

For a list of Energy Advisors in your area, please contact our office.

PROGRAM UPDATES

2021 Program Updates

Our 2021 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.

Looking ahead, with new codes coming, we anticipate more updates for our 2022 Checklists.

I. Project Enrolment: March 31 Deadline

Projects using the 2020 checklists must be enrolled by March 31, 2021. Should there be extenuating circumstances, please contact us.

II. 2021 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

Featured Tweet

 **Light House** @light_house_org · Nov 13, 2020
Light House staff, Joanne Sawatzky performed a @BuiltGreenCan High Density Pre Drywall Verification site visit yesterday for @MaskeenHomes's LUXE project. Looking good so far!
[#BuiltGreenCanada](#)
[#Maskeen](#)



PROGRAM REMINDERS

Multi-Unit Residential Building: % LTRH Recalculated - Reminder

MURB projects will continue to go through our Single Family program; however, our current calculation for the percentage lower than reference house deducts the baseload (25.62) based on one unit. Based on the EnerGuide (V 15.8), any single family building with a secondary unit should be modelled as a multi-unit whole building, and so, the baseloads change based on the number of units.

As such, our single family checklist has been updated for MURB projects and now, on a separate SF MURB Checklist, we provide an input for the number of units, which allows the baseload calculations to be adjusted accordingly.

If you would like the Single Family MURB Checklist, please email us.

Multi-Unit Residential Building (MURB) defined: a building comprised of a common entrance and separate units that are also known as apartments constructed for dwelling purposes. Multi-Unit Residential Buildings must have one primary exterior door access, with each of the apartments connected by an interior door.

Shout out to Amir at Enersaver Solutions Inc. for working through this with us.

Platinum Certification Requirement Highlighted – F326

As more and more members earn BUILT GREEN® Platinum certification, we want to highlight checklist item 4.7—a requirement for platinum level, which is found in the Ventilation section of our checklist.

Item 4.7: Ventilation system is installed according to CSA Standard F326.

Installation of the HVAC system should be carried out in accordance with CSA Standard F326-M91: Residential Mechanical Ventilation Systems as recommended by the Heating, Refrigeration and Air Conditioning Institute of Canada (HRAI).

A properly installed ventilation system helps ensure the health and comfort of the building occupants, as well as the proper operation and longevity of the building's mechanical equipment.

We email the CSA Standard F326 form, and encourage you to have this completed by your mechanicals installer at the time of installation. The installer should be able to complete the form in 20 minutes.

2020 Single Family Project Verifications

As a component of our quality assurance process, a random selection of projects undergo our Single Family Verification process on “visibly inspectible” items, conducted by the Energy Advisor at the time of the blower door test. This is an additional verification step to increase the rigour of the BUILT GREEN® certification process; it adds another level of credibility to the program, and by extension, BUILT GREEN® home certification—all of this, adding to the marketability of your product.

Verification submissions were well up this quarter; thank you to all the Energy Advisors who diligently followed up. If you have questions, please contact our office.

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.

Product Catalogue

An online resource featuring materials for builders and developers interested in sustainable building practices. These products are intended to help builders save time sourcing; their use may help earn points towards project certification.

- Energy & Envelope**
Section 1 of our programs awards points for construction methods and types of products that contribute to reduced energy consumption, as well as alternative heating and electrical systems. [View Here](#)
- Materials & Methods**
Section 2 rewards the use of durable, ethically sourced materials, low-maintenance, environmentally preferable products, recycling, and disaster preparedness. [View Here](#)
- Indoor Air Quality**
Section 3 focuses on home's air quality. Products listed here can include materials that are low in VOCs, products made from all-natural materials, and filtration systems. [View Here](#)
- Ventilation**
Section 4 covers the mechanical ventilation systems in the home, including fans, heat recovery sealants, and more and is complimentary to the Indoor Air Quality section. [View Here](#)
- Waste Management**
Section 5 deals with the handling of waste material on and off the construction site and encourages recycling, repurposing, composting, and low-waste processes. [View Here](#)
- Water Conservation**
Section 6 encourages a reduction in the amount of water used inside and outside the home, as well as permeable surfaces, drought-tolerant plants, and rainwater collection. [View Here](#)
- Business Practices**
Section 7 deals with the responsible practices of the manufacturers, trades, and builders, including policy, eco-friendly vehicles, emergency preparedness, and training. [View Here](#)
- Apply for a Listing**
Feature your sustainable building products to our community through our online, public catalogue. [Apply Here](#)

Our Supporting Members Help Builders

Alongside our Product Catalogue, our **Supporting members** are responsible for products and services for the residential building industry. 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!

Structural Insulation Construction Systems

Earning points in Envelope & Energy

- 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 where required or desired. Manufactured in Edmonton, Alberta. (1.1.5)

SIGA Canada Inc.

**These products can contribute to improved building envelope, and, used alongside other products, and with proper installation, can contribute to checklist item 1.2.1.*

- Wigluv is a sticky, low-profile, acrylic sealing tape. Constructed of a vapor-permeable polyolefin (PO) film, reinforcing mesh, and pressure-sensitive glue, SIGA-Wigluv will bond even the most difficult substrates in extreme climate conditions. Primer is required for masonry and soft fiberboard.
- Rissan is a reinforced, semi-transparent PE sealing tape, with an acrylic pressure-sensitive adhesive. From sealing circular penetrations, such as pipes or cables, to square electrical boxes and timbers, to sheet membrane overlaps, its versatility makes Rissan an essential tool for every interior air-sealing specialist. Superior adhesion to OSB and other wood-based panel joints.
- Fentrim430 is primer-free flashing solution for above-grade masonry connections and other critical building envelope details. A fleece-backed, semi-permeable acrylic flashing tape, the robust, polyolefin (PO) carrier resists abrasions while remaining formable and pliable, even in below freezing temperatures. Fentrim 430 grey offers superior adhesion to cured concrete, metal and wood.
- Majvest 500 SA is a fully-adhered 3-ply, microporous membrane, designed for use as a long-lasting water-resistive barrier (WRB) and air-barrier (AB) component in commercial and residential buildings. Primer-free adhesion to most common building materials, including concrete, plywood, gypsum, and metal. Reliably sticky in cold temperatures, thanks to SIGA's proprietary acrylic adhesive technology. For above-grade wall applications.
- Majvest 200 is a mechanically-fastened, 3-ply membrane designed for above-grade moisture control and air barrier applications. Its protective polypropylene fleece layers stand up to the toughest jobsite conditions. A highly vapor-permeable, polymeric inner layer does the heavy multi-tasking: resisting wind-driven rain and snow, while protecting the wall beneath from condensation build up.
- Majrex200 is a fiber-reinforced, modified PE/PP sheet designed as an interior air-barrier and vapor control membrane. With its unique and revolutionary Hygrobrid® technology, the diffusion resistance of Majrex varies depending on the direction of vapor flow. Interior water vapor is prevented from driving into the wall cavity (low permeance), while being allowed to move in the other direction and dry-to-the-inside (high permeance). SIGA Majrex offers a high degree of protection against moisture damage, even in challenging flat roof and continuous insulation assemblies. When combined with compatible SIGA system components, SIGA Majrex also forms an effective air barrier against warm air convection (drafts and heat loss). Suitable for containment of injection insulation.