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Jayman BUILT Leads the Way as First Homebuilder in Alberta to Include Solar Panel System on Every Home

All Jayman BUILT single-family homes to include more than \$15,600 of sustainable upgrades, including solar panels standard



Photo courtesy of Jayman.

On January 22, Jayman BUILT unveiled its 2019 Core Performance package, making the Alberta-based homebuilder the first in the province to have a solar panel package standard on every 2019 single-family home. This initiative is a testament

to Jayman's continued leadership in the home building industry, while saving consumer dollars and increasing resale home values.

Built Green Canada offers a number of points related to solar through the Energy & Envelope section of our home certification programs. Program points can be earned for solar-ready design, for installing an active solar hot water heating system, or a photovoltaic electrical generation system like Jayman has done. Further to this, in the programs' Business Practices section, projects may earn points for using green energy (such as solar) during the construction of the home and/or in the builder's office and show homes—and more.

Jayman's new 2019 Core Performance package offers:

- Six-panel solar package in new homes at no extra cost;
- Navien-brand tankless water heater;
- High efficiency furnace;
- Heat Recovery Ventilation system, which purifies the air in the home every three hours;
- LED lighting;
- Triple pane windows;
- R-50 attic insulation and R-20 basement insulation;
- Exterior foundation wrap.

Jayman is leading the industry with its sustainability practices: 75 per cent of raw materials in a Jayman home is locally sourced, more than 37,000 metric tonnes of waste materials from a Jayman home have been recycled and low-flow fixtures have saved more than three billion litres of water since 2002. [Read more.](#)

Upward Construction Earns Innovation Points on Waste Management

In West Vancouver, hillsides are made of solid rock, so excavation is at times a necessary task that can be both environmentally and financially taxing. On a recent project, Upward Construction tried something new that would result in a substantial reduction in fossil fuels and heavy trucks on the road—along with savings. They would successfully submit this practice for Innovation Points through the BUILT GREEN® home certification program..

With these points, Built Green Canada encourages innovative sustainable building practices above and beyond what is contained within its programs—it's in part what keeps our programs progressive, as we recognize that those on the ground doing the work are often the ones learning and finding new ways of doing things. Based on the significance, improvement, and measurability of the innovative practice, the organization's Technical Standards Committee considers it for points that go towards the project's certification level. Submissions may also be considered for adoption into the following year's program checklist.

Upward Construction offers custom homes, multi-family homes, and renovations in North Vancouver, West Vancouver, and Vancouver Proper. For their projects in West Van, they have had to blast into the hillside, then large pieces of rock are typically hauled to a dump site 50 km away (and up to 120 km away); however, this time around, Upward contracted an excavation company that had acquired new rock crushing technology making the trucks unnecessary.



Photo courtesy of Upward.

The device is attached to the arm of the excavator and allows them to crush large pieces of rock into gravel right on the job site—switching between a shovel, hammer, and crusher, and requiring just one crew member. [Read more.](#)

Built Green in Your Community

Built Green Canada Certifies Five High Density Projects in First Quarter 2019

We're thrilled to announce the following five high density projects have successfully completed the audit process and met the energy improvement compliance requirement alongside achieving Built Green's requirements in the remaining sections of our certification, including: Materials & Methods, Indoor Air Quality, Ventilation, Waste Management, Water Conservation, and Business Practices.

Congratulations to the builders that have achieved BUILT GREEN® certification—along with their BUILT GREEN® High Density Verifiers: Matt Grace, [Integral Group](#); Emma Conway, [E3 Eco Group Inc](#); Tyler Hermansen, [4 Elements Integrated Design Ltd](#)—on the following projects:

The Residences at Basecamp

This project, located on the Bow Valley Trail in Canmore, was awarded a BUILT GREEN® Silver certification (v. 2017). Beyond this, the [Residences at Basecamp](#) project earned impressive points in the Water Conservation and Business Practices sections of our certification program.

The Residences at Basecamp are set amongst the majestic Canadian Rocky Mountains and is home to ten townhome units and two commercial units. All of the suites are condominiums and were sold to locals enjoying the breathtaking views. Notably, the Basecamp Resorts' head office and the new location for the Rocky Mountain Bagel Company are the anchors to this project. This is a [Big Moose Realty Ltd.](#) project built by Shape Construction.



Photo courtesy of Amica Senior Lifestyles.

Amica on the Gorge

Located in Victoria, BC, this seniors' lifestyles residence was awarded BUILT GREEN® Gold certification (v. 2014). Fronting the popular Gorge Waterway, [Amica On The Gorge](#)

celebrates its heritage by rehabilitating and reusing the historic Craighflower Bridge Store (later Brookman's Grocery & Flowers) established in 1929. The location at the intersection of Gorge Road West with Admirals Road has serene views overlooking the Waterway, direct access to its waterfront walking trails, and is close to recreational amenities, retail shops, and services.

A continuum of care residence, Amica On The Gorge includes independent supportive living and licensed residential care accommodating both assisted living and memory/dementia care. Inside is a variety of different suite types and an extensive complement of amenities, all designed for the residents' comfort, convenience, and safety. The amenities include a bistro-café, dining rooms and lounge areas for each of the care

neighbourhoods, a private dining room for hosting friends and families, a library, a games room, a salon/spa, a theatre room, a fitness room, and other shared common spaces. Outdoor amenities include sheltered courtyards and a south-facing garden area with raised planting beds for the residents' use.

The residence is owned by the Saanich Senior Living Partnership and the builder was [Knappett Projects Inc.](#) The design architect was Paul Merrick, and the project architect Christine Lintott Architects.

Carrington Ridge, Buildings A – C

This series of three buildings, located in West Kelowna, was awarded BUILT GREEN® Gold certification (v. 2016). [Carrington Ridge](#) is a community of condo quality apartment rentals in West Kelowna. This stunning complex offers a two-storey community building with a lounge, kitchenette, fireplace, fitness room with bathrooms, games area, and an outdoor patio/deck area—all of this reinforcing that sustainable builds, solid design, and a rental build do go hand-in-hand.



Photo courtesy of Highstreet Ventures.

Carrington Ridge was developed and built by [Highstreet Ventures Inc.](#) Headquartered in Kelowna, Highstreet is a developer that is passionate about developing smarter real estate that makes a real impact. Investing in energy efficiency, quality finishes, and environmental sustainability enables their properties, like Carrington Ridge, to stand alone in the market place. By generating common area energy through solar power, offering electric car charging stations, and bike repair and storage for residents, Highstreet continues to promote sustainability on their path to net-zero communities.

Selling High Performance BUILT GREEN® Homes: Realtor Workshop

On February 6, Built Green Canada presented a three-hour workshop, Selling High Performance BUILT GREEN® Homes, to the [Kamloops & District Real Estate Association](#). The intention of the workshop was to assist real estate agents in understanding the green features of a home and the added value these offer to them as sales features—and, the pass-along benefits to the homebuyers.



Gilles Lesage presenting on our behalf.

There were just under 50 realtors in attendance, who earned three professional development points. A shout out to Gilles Lesage at [Total Home Solutions](#) for presenting on our behalf.

City of Edmonton Phase One Meadows of Laurel – Sold Out

Beginning in January, we worked closely with the City of Edmonton (CoE) on their **Meadows of Laurel community**. The CoE's **Real Estate Branch** is requiring BUILT GREEN® Silver certification as a requirement for lot purchase amongst its lots for builders, while the public lots require EnerGuide and are encouraged to do BUILT GREEN®. As well, all homes are required to be constructed solar ready, which also earns points towards BUILT GREEN® certification.



Built Green Canada CEO, Jenifer Christenson, presents at Meadows of Laurel info session.

Presentations were delivered at both the builder and public events the last week of March as lead up to the online registration. Just as a point of interest, for the public lot sales, the City of Edmonton opened up registrations at 8:00

a.m. and had 500 registrations by 8:05 a.m. and closed out with 2,000 registrations at 9:20 a.m.

The first phase of this, totalling 77 lots, has been completely sold out.

Congratulations to the City of Edmonton's Real Estate Branch for encouraging sustainable building practices and to those who will be constructing homes for BUILT GREEN® certification. And, congratulations to the Energy Transition Unit for their work supporting the city's sustainable requirements.

CHBA BC's Super Week: Building Green

As part of CHBA BC's Super Week, Built Green Canada was included as part of their Building Green workshop on March 6, which focused on EnerGuide, ENERGY STAR, Net Zero Ready / Net Zero, and BUILT GREEN®. The workshop also explored the relevancy of third-party certified programs, given the BC Energy Step Code is now in place in many jurisdictions across the province. Step Code is a component of Built Green's programs, which address energy efficiency and then go beyond to other key areas of sustainability.



Building Green seminar panel on high-performance buildings.

The workshop also included a Building Green seminar panel on high-performance buildings, in

which our programs were discussed. This included Bob Deeks of RDC Fine Homes, David Adair of Blackfish Homes, Graeme Huguet of My House Design/Build Team, Joe Geluch of Naikoon Contracting, Luke Dolan of Capital Home Energy Solutions, and Nathan Stone of CHBA National and Odessa Group.

Greener Homes' BUILT GREEN® Platinum / Net Zero Home Built For Aging in Place

Lethbridge custom homebuilder, **Greener Homes**, recently completed a BUILT GREEN® Platinum / Net Zero home with an impressive line-up of accessibility features. One of the homeowners is currently using a walker and is expected to be using a wheelchair in the future, so the home was designed and built with this in mind.

The stairs are more narrow, allowing the person to support themselves with handrails, while all doors are at least 36 inches wide with very low thresholds for easier mobility. Meanwhile, all layouts considered how much space would be required to comfortably navigate spaces in a wheelchair. This includes the ensuite vanity as well as a portion of the kitchen where their client will be able to prepare food on a lowered counter. The kitchen even features handy pull-down shelves.

Further preparation for the future is seen in the framing, which is elevator-ready—a closet fills that space now, but when the time comes, the homeowner will be able to convert the space, avoiding a major renovation.



Wheelchair accessible ensuite by Greener Homes.

Between the home being BUILT GREEN® Platinum / Net Zero and age-in-place, these homeowners will never have to worry about moving again, and can live comfortably and independently throughout their retirement.

Visitability, Accessibility, and Aging in Place: Under Review

Recognizing the importance of visitability, accessibility, and aging in place, Built Green Canada is reviewing universal design principles—as they relate to adaptations on new homes, as well as modifications on existing homes—that will encourage and reward those builders and renovators who integrate these features as part of Built Green's certification programs.

Given the work being done in this area by the Canadian Home Builders' Association National, as well as existing accessibility certification programs, like the Rick Hansen Foundation Accessibility Certification, the BUILT GREEN® requirements will recognize existing standards and will not be recreated.

The benefits of creating built environments that prolong the occupant's ability to remain in their home benefits the individual, their community, and the environment.

ReStore: Donations Made Easy

Support Habitat for Humanity while repurposing your materials

Your local ReStore is looking for your donations. Whether it is end-of-the-line products, leftover building materials, outdated show home or office decorum, [Habitat for Humanity's ReStore](#) needs these items to help generate revenue for their work and can take these items off your hands—they will even pick them up from your office, home, or construction site.

ReStore is a social enterprise that helps Habitat transform the lives of local families through their affordable home ownership program. Donations of new and gently used building materials and other household items go to ReStore, who then sells them to the general public at a discounted rate. This generates funds for Habitat's work to empower families seeking affordable home ownership, while providing the public with affordable building supplies and home improvement items.

ReStore shoppers find great deals on building supplies, appliances, furniture, cabinets, tools, electrical, plumbing, flooring, home decorum, windows, doors, bathtubs, tiles, and most other home improvement items.

Meanwhile, by diverting reusable items from landfills and giving those items a new life, ReStore offers companies and individuals alike an easy, free waste management option—plus, your donation may be eligible for a charitable tax receipt. Since 2011, these efforts have diverted approximately 2.5 million pounds of reusable items from the landfill.

Built Green Canada and Habitat for Humanity have for years had a strong relationship—together working to build a sustainable, healthy future for generations. Breaking the cycle of poverty and building a sustainable, healthy future for generations to come is where the two organizations come together.

[Habitat for Humanity Edmonton](#) has built nearly 150 BUILT GREEN® certified homes, which includes Habitat's largest development in Canadian history, Neufeld Landing, home to 64 Edmonton families. The organization has been giving a "hand up" to hard working families in need since 1991 and firmly believes that home ownership is the key to breaking the cycle of poverty and to building equity and hope for children. Since then, Habitat for Humanity Edmonton has served over 400 families and is now serving families in greater Edmonton and northern Alberta. The need for affordable home ownership has never been greater, and the opportunity to make a difference has never been more accessible.

To find the nearest location to you, or to arrange for ReStore to pick up items from your home or business, call (780) 477-4057 or visit HFH.org/restore. You can also find further details in the ReStore infographic attached in the distribution of this newsletter.

Horizon Pacific Contracting's Step Up Program

The Step Up Program is Horizon's way of giving back to the youth and families in their community in a personalized way—using their building expertise.

Through this program, Horizon offers renovations at no cost to families where an aspect of their living environment is adding to their challenges. Horizon is able to offer this level of support as a result of partnerships with a number of companies in the construction industry.

And so, Horizon is looking for families facing a challenge who could benefit from a home renovation to make their lives a bit easier—updates like a wheelchair ramp, accessible features, even something like renovating a room to meet the specific needs of an autistic or ADHD person. The work will be done at no cost to the family. This can be for homeowners or for renters, as long as the owner agrees to having the work done.

By making life in the home a bit easier, families can focus on things such as healing, caretaking, going to school: living. Beyond helping the community, this program shows the construction community coming together to make our larger community stronger.

Eligible applicants are youth 16 and younger and their families who can apply on the individual's behalf. Applications are due by the end of May. If you know of anyone eligible, please do share this with them and encourage them to apply. There is a short application form online at www.horizoncontracting.ca/about/step-community-build-program. A video that tells the story of the first Step Up program is here: www.youtube.com/watch?time_continue=3&v=x7TAJ5d_ANA

Nudura Training Seminar and Built Green

Nudura ICF, a product catalogue lister with Built Green, held a training seminar in Delta, BC in January. As part of their presentation on how to build with ICF footings, Built Green was included with a focus on how the energy step code is a component of programs like Built Green's, which address energy efficiency and then go beyond for a more holistic approach to sustainable building. Thanks to them for helping to educate about how we can help builders meet and exceed code.

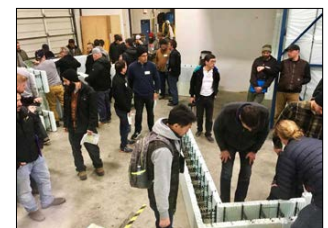


Photo courtesy of Vancouver ICF.

These regularly-held courses are designed for builders and contractors to learn how to create foundations that beat the new step codes, and participants have the opportunity to hear from qualified guest speakers. Luke Dolan, CEO of Capital Home Energy, was the guest speaker in January.

Their next training seminar will be on May 31 at the Vancouver ICF Training Centre: Unit 20 1610 Derwent Way in Delta. 4 CPD points. An amazing home-cooked Syrian lunch is provided.

27th Annual Georgie Awards® Finalists & Winners: BUILT GREEN® Builders' Leadership Continues

On March 9, the 27th Annual Georgie Awards® presented by the Canadian Home Builders' Association of British Columbia held its Awards Gala, where 600-plus industry professionals, partners, and government officials came together to highlight and celebrate excellence in the industry across the province.

The list of finalists was impressive, and moreover, the number of BUILT GREEN® builders in the finalists' and winners' circle was a nod to an industry committed to sustainability—a big congratulations and kudos to all those builders who continue to raise the bar in the residential building sector, making sustainable development a priority, to the benefit of industry, builders, homebuyers, and the environment.

Built Green Canada would like to congratulate all finalists and award winners and give a shout out to those BUILT GREEN® builders, including: Blackfish Homes, Bolder Homes Ltd., Cressey Development Group, J. Zsiros Contracting, Kindred Construction Ltd., Lacey Construction, My House Design/Build Team Ltd., Paramax Homes Ltd., Peak Ventures, Project Mint Developments, RDC Fine Homes, Sprucehill Contracting Inc., Upward Construction & Renovation Ltd., Vancouver General Contractors, and Vertical Grain Projects.

And, a special shout out to Insightful Healthy Homes, winner of Best Environmental Initiative; Northern Homecraft Ltd., winner of Best Certified Home – Custom; and My House Design/Build Team Ltd., winner for Best Certified Whole House Renovation.

As an industry that continues to progress, there was an increase in submissions this year, seeing many innovative and high-calibre projects submitted.



Built Green's Immediate Past Chair presents Best Environmental Initiative.

Built Green Presents to the Landmark Group of Companies

Built Green Canada presented to **Landmark Group of Companies'** sales teams on March 25 speaking about our programs, benefits—for them as a builder and for their customers—updates on Built Green and its programs, as well as the differences between prescriptive versus performance paths for 9.36 of the building code.

It was a privilege to spend time with this progressive, innovative builder and longstanding supporter of Built Green's.

9.36 Adoption in Saskatchewan: Industry Workshops

With the adoption of 9.36 of the building code in Saskatchewan on January 1, 2019, Natural Resources Canada's Local Energy Efficiency Partnerships (LEEP) program worked with the **Regina and Region Home Builders' Association** and **Saskatoon & Region Home Builders' Association** to present training workshops in these areas. The workshops were held in early and mid-March respectively. Representing Built Green Canada was our Saskatchewan-based Director of the Board, Todd Bodnar or **Dakine Homes**: a custom builder leading the way in sustainable building in Saskatchewan.

Built Green Canada, working with Energy Advisors, is able to offer support for code compliance and because our programs address energy performance and more, can also offer a competitive advantage for those who certify their builds through our programs.

Habitat for Humanity Ontario Gateway North's Build Going Through Certification

During this quarter, **Habitat for Humanity Ontario Gateway North** (HFHOGN) connected with Built Green Canada on an innovative project in the District of Parry Sound. Residents of the Village of Pointe au Baril, with support from the Township of the Archipelago, are taking the lead on creating affordable housing opportunities. Working with Habitat for Humanity Ontario Gateway North, the Point au Baril Adopt-A-Home Project team are building a high-performance home to be sold to a local family.

HFHOGN will manage the process of family selection with support from local community members, support the family during the build and purchase process, and provide a no-interest, no-down-payment mortgage. The family's monthly payments will be geared to 25% of income and include principal payment and property tax portions. The family must meet criteria of the home ownership program, including ability to pay the mortgage, willingness to partner and provide volunteer hours to the project, and the family must currently be living in need.

The home will be built largely by volunteers recruited from the seasonal village, Shawanaga First Nation, and educational and business communities. The building plans support community green energy conservation programs offered by organizations like the **Georgian Bay Biosphere Reserve**, **Canadore College**, and the **Ontario Electricity Program**.

Key features of the build project include double wall construction, insulation levels with an R34 floor, R50 walls, and R90 ceiling, triple-glazed windows, energy efficient appliances and heat sources, net zero ready, fire smart construction and landscaping—recognized as part of Built Green's resiliency checklist items. The goal is to have the project certified through Built Green Canada.

Meet Our 2019 Board of Directors

Built Green Canada held its Annual General Meeting with business, including elections to our 2019 Board of Directors:



Lance Floer



Bill Patterson



Dave Krasman



Troy Abromaitis



Todd Bodnar



John Friswell



Jeff Gallant



Adil Kodian



Dave Turnbull

- Lance Floer, **Excel Homes**, Chair
- Bill Patterson, **Città Group**, Vice-Chair
- Dave Krasman, **Jayman BUILT**, Treasurer-Secretary
- Troy Abromaitis, **Bucci Developments Ltd.**
- Todd Bodnar, **Dakine Home Builders Inc.**
- John Friswell, **CCI Renovations**
- Jeff Gallant, **Highstreet Ventures**
- Adil Kodian, **Rohit Group of Companies**
- Dave Turnbull, **Enerspec Consulting**, Director Emeritus – Technical Advisor

Congratulations to Lance Floer for his re-appointment to Chair of the Board—this is unprecedented service and reflects his uncompromising commitment to sustainable building practices.

After serving as long-term Director of the Board, alongside Builder Representative to the Technical Standards Committee, congratulations to Bill Patterson on his second term as Vice-Chair. His tremendous knowledge and expertise continue to be valued, alongside his support of practical builder applications.

This will be Dave Krasman's third term as Treasurer-Secretary. His enthusiasm and commitment are to be applauded, as well as his support for new innovative features.

Thanks to outgoing Board member Carl Lauren for his passion and candour, as well as to David Adair, our outgoing Immediate Past Chair, for his steadfast commitment to Built Green and to them both for their advocacy work on behalf of the organization. These Board members will be missed.

Welcome to new Director, Jeff Gallant, Vice President, Construction at Highstreet Ventures. Highstreet has certified

the most High Density projects in our history, and we are thrilled to see Jeff taking another a step forward—onto our Board.

Thank you to all Directors on our Board for their commitment to sustainable building and to Built Green Canada, each a market leader and valued contributor.

Your Feature Belongs Here

We want to feature the good work you're doing and encourage you to send us updates on your projects and what you're doing in the community. Make more of your membership, certified builds, and connections!

Your BUILT GREEN® Benefits Checklist

- You've completed your first BUILT GREEN® home, you're featured in Find a Builder (www.builtgreencanada.ca/find-a-builder), and you've shared this profile on social media, highlighting your competitive advantage—you're a builder that goes beyond building code.
- You're keeping us posted on your activity—progress on your builds, special events, news releases, photos, blogs, new technology and building practices you're using, etc, so we can share through our communication channels.
- Your marketing and sales / realtor teams are: a) receiving communications from us; b) using our marketing materials, including the key benefits of sustainable building, as a major selling feature to homebuyers. You're setting yourself apart.
- You're connected via social media: you're following us [@BuiltGreenCan](https://twitter.com/BuiltGreenCan) (Twitter) / [@BuiltGreenCanada](https://www.facebook.com/BuiltGreenCanada) (Facebook), and we're following you.
- Beyond sticking the BUILT GREEN® home certification seals on your homes' electrical panel / furnace, you're showcasing your certified builds and commitment to sustainable development by prominently displaying your a) membership decal, b) metal home certification plaques, c) membership certificate, and d) training certificate in your office, showhomes, and / or company vehicles.*
- You've gone through our **Product Catalogue** and **Find a Supporting Member** website pages to find like-minded trades and products BUILT GREEN® Approved for use—making your product and supplier choices more simple. Bolster your connections with reciprocal links!
- You're taking your questions about building BUILT GREEN® to our office, so we can either assist you or connect you with builders experienced in the program.

Display Your Two-In-One Home Certification

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

These labels offer validation to the energy efficiency and green features of the home and reinforce to the homebuyer that they've purchased from a quality builder.



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 ramp up your home's certification: builtgreencanada.ca/built-green-metal-plaques.

Do you have a permanent fixture in your yard, like a bench, porch swing, or stone bbq? Spruce it up with a plaque! Need a fabulous hot pot table protector for those cool spring evenings? Inlay your plaque into 10x10 piece of wood for a protector that won't blow away. Plaques can also be mounted within your porchlight, so whenever it is lit up, you're displaying your certification proudly.

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

Featured Tweet



Built Green in the News

Over the first quarter of 2019, related media coverage was picked up by a number of outlets, including BC Building Info x 2, Kijiji, Calgary Herald, Calgary Sun, Regina Leader Post, Times Colonist, and more!

Incentives and Rebates

These are available across the country and vary based on project type (single family, renovation, and high density). Find details here: www.nrcan.gc.ca/energy/funding/efficiency/4947.

With BUILT GREEN® Single Family Projects, Save Your Customer 15% on Mortgage Insurance



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 for a certificate.

Canada Mortgage & Housing Corporation, Genworth Canada, and others offer a premium mortgage insurance refund of 15% to borrowers who either buy or build through Built Green Canada.

For more information, visit the [CMHC Green Home Program](#) / [Genworth Canada's Energy-Efficient Housing Program](#).

Platinum Certifications



Congratulations to all those who achieved Platinum certification on their single family or renovation projects in Q1:

Abbaren Homes Ltd (2), Amity Construction Inc., Falcon Heights Contracting Ltd., GNB Builders Inc., Greener Homes Ltd. – **also Net Zero*, Interactive Construction Inc., Island West Coast Developments Ltd. (2), Landmark Homes (46), Larsen Whelan Enterprises Ltd. (2), My House Design/Build/Team Ltd. (2), Partners Development Group Ltd., Perry Signature Homes Inc. (2), Rococo Homes Inc. (2), Rosecrest Homes Ltd., Saadat Enterprises Inc., Sterling Homes Ltd. (2), and Verity Construction Ltd. (3).

Congratulations to Greener Homes in Lethbridge on their BUILT GREEN® Platinum home that is also Net Zero!

The single family certification breakdown for Q1 is 7% Bronze, 32% Silver, 47% Gold, 14% Platinum.

Net Zero Complementary to BUILT GREEN® Platinum

We see a number of BUILT GREEN® Platinum / Net Zero homes. Net Zero homes are complementary to those certified through Built Green Canada, given we address energy and then go beyond to other key 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.

Energy Advised

Sun Ridge Residential Inc.



On January 1, 2019, 9.36 of the building code came into effect in Saskatchewan, and with it, a requirement to build to a minimum energy performance standard. With this building code change and the increased emphasis on sustainable

building, of which energy efficiency is a key component, the role of an Energy Advisor has become ever more important. As experts in energy efficiency, they are licensed by Natural Resources Canada to deliver the EnerGuide Rating System—a key component of our Single Family and Renovation programs.

Energy Advisors have honed strong energy advising skills through years of related practice, and their role is invaluable in sustainable building practices. We encourage you to fully utilize them in your building process, as they have much to offer you and your customers.

One such company is Saskatoon-based Sun Ridge Residential Inc, a team of housing science experts, and one of Canada's authorities on housing science and energy efficiency. The company was created in 1981 to provide support for housing and housing-related initiatives. Their interests include energy conservation, housing affordability, development and implementation of housing technology, human resource development within the housing sector, and policy development.

Sun Ridge is a strong supporter of technical evolution in the construction of new housing and has been involved in many leading-edge development and demonstration programs related to energy conservation and environmental sustainability. When they use the term "housing science", they mean every component of the home working together to create

a healthy, comfortable, and energy-efficient living environment. For them, this includes everything from air leakage and insulation to ventilation and moisture control.

Their on-site testing, technical consultations, software analysis, and energy efficiency ratings are the best way to make the complexity of sustainable building a bit more understandable. The industry understands the "house as a system"—a concept that Sun Ridge helped to define many years ago as part of the original R-2000 program.

Sun Ridge is committed to sharing the importance of their knowledge with responsible builders and homeowners, so they can build the best homes possible. It means a healthier place to live, reduced greenhouse gas emissions, and lower costs of ownership. Over the last 35 years, they've helped over one thousand professional homebuilders, and over seventy thousand private homeowners improve the performance and value of their homes. While there have been a lot of changes in the industry over the years, the foundations of strong housing science stay the same.

The Sun Ridge team of expert advisors takes pride in their role as one of Canada's leading authorities on housing science and energy efficiency. They're available to help improve the efficiency, performance, and value of your homes.

And, they've been strong supporters of the Affordable New Home Development Foundation, bringing affordable ownership to families that can't access the marketplace unassisted. With their help, the Foundation has made home ownership a reality for over 300 families.

For more information email info@sunridgegroup.ca, phone 1.800.667.3700, or visit www.sunridgegroup.ca

For a list of Energy Advisors in your area, please contact the Built Green Canada office.

Demand for Sustainable Homes Continues to Increase

The demand for sustainably-built, third-party certified homes continues to increase and is reflected in the 2018 Homebuyer Preference Study, conducted by the Canadian Home Builders' Association National and AVID Ratings:

- 67% of homeowners say a high performance home is a "must have";
- 44% said low-flow toilets are a "must have", while ratings showing other water-efficient features to be important to homebuyers as well—*in-demand sustainable features go beyond energy efficiency*;
- 57% say home certification is a "must have";
- 26% "really want" certification—only 4% feel it isn't important.

Supporting Members Can Help You

Supporting members are those working in the sustainable building sector with similar goals as our builders: they could end up being collaborative partners, so be sure to check them out and make mutually beneficial connections!

They are responsible for products and services for the residential building industry and are required to meet membership criteria to be part of the Built Green Canada community.

www.builtgreencanada.ca/find-a-supporting-member

Waste Management: Responsible Drywall Disposal

Built Green rewards use of recycled materials and waste diversion

The gypsum industry has a product recycling challenge that is increasing every year. In 2010, the market for recycled material world-wide was around 11 million metric tonnes. Over half came from deconstruction and renovation projects, with the other half from new construction and production scrap.

There has been a massive increase in the global use of gypsum products. It's expected that in 20 years, the tonnage of waste/recyclable gypsum will double to over 20 million metric



Photo courtesy of Sea to Sky.

tonnes. It will take planning and technological effort today to ensure that these materials are kept out of the landfill and that this level of recycled content will be acceptable in the production models of tomorrow.

Did you know drywall facilities offer a closed-loop sustainable solution that ensures gypsum is not 'lost', as it is with composting or land spreading? Gypsum, or drywall (also known as gyprock or sheetrock), can be recycled forever with no degradation to the material. These facilities keep gypsum material in the supply chain, reducing the need to extract virgin material, helping to preserve valuable, natural resources for generations to come.

When it is time to remove and repurpose drywall, there are recycling rules. For example, in British Columbia, drywall must be date stamped showing 1990 or newer, while pre-1990 must be accompanied by a testing report from an approved facility that shows it to be free of asbestos and other banned material. This date may be different in provinces across Canada, so connecting with your local municipality would be the first step.

You must test drywall if there is no date stamp or if the date stamp is prior to the cut-off. Required for testing is a sample containing a section of tape and mud (if present, this is where the asbestos is found) and put it in a zip-lock bag with the address and location from which it was taken, such as the kitchen or bathroom. Results can be ready in an hour or up to three days.

To maximize diversion and allow for proper disposal, drywall piles should be separated from other forms of construction waste.

Typically, an audit trail is required to garner the points associated with waste management programs, and the Sea to Sky Removal waste diversion breakdown reports can be used—or you can receive the weights at the scale to use towards your points.

In the Materials & Methods section of Built Green Canada's home certification programs, points can be gained for using gypsum wallboard with a minimum of 15% recycled or recovered content. Meanwhile, in the programs' Waste Management section, Built Green encourages the use of a comprehensive recycling program; this can include utilizing companies like [Sea to Sky Waste Removal](#), which serves BC's Lower Mainland, North Shore, and the Sea to Sky Corridor.

PROGRAM UPDATES

2019 Checklists

Our annual program updates included the addition of a number of checklist items, providing builders with new opportunities to earn points towards their BUILT GREEN® certification. We have outlined both new and modified checklist items on our website. Program updates are informed by building code, the Technical Standards Committee, the Board of Directors, new technologies and innovations, and industry input.

As always, we very much value input from industry through the year, and often this input results in greater clarity on existing checklist items, updates to the point allocation of checklist items, as well as the addition of new checklist items. Please stay in touch and provide your valued feedback.

We continue to encourage new approaches to sustainable building, and these may be awarded with innovation points. Though our programs have always encouraged durability, part of this year's updates are focused on resiliency. The destruction following natural disasters offers another reminder that resiliency is imperative in the built environment. In response to buildings' vulnerabilities, we've included a series of disaster preparedness checklist items as they relate to the key areas of our sustainable building programs, further enhancing our programs' attention to home durability.

Built Green & Code: 9.36 / Energy Step Code

Given code changes remain top-of-mind, we want to reiterate that Built Green and 9.36 / Energy Step Code are complementary. For those operating in a municipality that has adopted 9.36, we can support you with compliance through our programs. And for those operating in a municipality that has adopted step code, this energy-specific component is a subset of our programs, as we address energy and then go beyond to take a holistic approach to sustainable building. Whether it is 9.36 or the Energy Step Code, we can work with you (alongside your EA) to ensure you meet your requirements, while offering you the competitive advantage of showing you're a builder that goes beyond what is required in code—and beyond status quo.

Single Family Project Verifications

Added credibility for your projects

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.

Notifications of Single Family Verifications were issued during this quarter to builders and their Energy Advisors. 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.

PRODUCT CATALOGUE CONNECTION

The **BUILT GREEN® Product Catalogue** is an online resource for builders and renovators 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 may help earn checklist points.

Sepura Home

Earning checklist points in Waste Management

- This is a smart device attached below the kitchen sink and acts as a filter between the drain and the drain pipe, capturing 95% of solid organics. These are separated into a completely sealed bin below the sink in order to trap odour, while liquids are free to pass into the drain pipe. The content of the bin is then compost-ready. To begin the quiet, automated, smart separation process, you only need to turn it on with the push of a button. Green and convenient, this tech is designed to help you gain efficiency while caring for the environment. (5.9)

AeroBarrier

Earning checklist points in Indoor Air Quality

- AeroBarrier is an aerosol-applied, waterborne acrylic designed to seal the building envelope. AeroBarrier is a vapor open air barrier designed to control the flow of air 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. (3.9)

IKO Industries Ltd.

Earning checklist points in Materials & Methods, Business Practices

- At IKO, the best-made shingles start simply, with quality materials and an eye for detail. 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. IKO offers a variety of BUILT GREEN® approved shingles to choose from. (2.3.1)

G.E.M. / Eurosheild Roofing

Earning checklist points in Materials & Methods

- Made from almost 100% recycled material and very tough, EuroShake Rubber Roofing simulates the look of cedar shakes; its under-side cubicle structure enhances the insulation performance and energy conservation attributes. It comes with a limited 50-year warranty. (2.2.21, 2.3.1)

Henry Company Canada

Earning checklist points in Envelope & Energy

- 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. (1.1.10)

CarbonCure Technology

Earning checklist points in Materials & Methods, Business Practices

- 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. (7.1.10 & complementary to 2.2.4)

K2 Stone Quarries

Earning checklist points in Materials & Methods, Business Practices

- Ocean Pearl Natural Stone is a long lasting, durable, and natural product. It's quarried locally in Port Renfrew and processed in Nanaimo. Building products consist of thinstone veneer, full bed ledgerstone, and capping. Landscape products consist of flagstone, cobbles, wallstone, and others. (2.2.11, 2.3.5, 2.3.9, and in some cases 7.6)

Lafarge Canada

Earning checklist points in Materials & Methods

- 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 overall carbon footprint of the concrete. Lafarge utilizes Portland Limestone Cement, which results in a 10% reduction in carbon dioxide emissions as compared to regular portland general-use cement. (2.1.8, 2.2.4)

Save Time On Product Sourcing!

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