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Builder Feature:

Rococo Homes Stays Ahead with Core Principles

Knowledge, quality, affordability, and customer engagement guide their way

Driven by a pursuit of knowledge, high quality builds, affordability, and a focus on customer engagement, Rococo Homes' path has been guided by these four key principles.



Photo courtesy of Rococo Homes.

For over 12 years, **Rococo Homes** has earned a reputation as an accomplished builder. While they've received multiple Excellence in Housing awards from the Canadian Home Builders' Association Edmonton Region, the greatest testament to their customer satisfaction is that within a highly competitive market, customers are building their second and even third homes with them.

"The knowledge, experience and professionalism they provided alongside their willingness to want to work with us within our budget and timeline, was what made choosing Rococo as our builder easy.... Their attention to detail in all aspects of our dream house, while coming in on budget is why we would recommend Rococo to anyone looking to build a new home," says Andrew Brady.

In this particularly challenging economic time for the building industry, and the larger economy, Rococo Homes remains focused on affordability and quality. In fact, they may offer a guarantee on a customer's existing house to help the customer secure financing for their new Rococo Home.

At the heart of Rococo Homes is Rick Lystang, the founder and president, a formally trained Architectural Technologist and a Certified Master Builder whose ongoing quest for knowledge has led the company to garner a reputation for innovative designs and quality construction. They are committed to staying ahead of changing building codes, regulations... [Read more.](#)

Built Green Canada Moves Forward with WERS® as Water Conservation is Increasingly a Priority

Built Green has partnered with the Green Builder® Coalition to bring a performance-based water efficiency tool to Canada through its third-party certification programs' water conservation section. As energy efficiency is being addressed by regulation, other pieces of sustainability are increasingly on the radar. This is another innovative step Built Green has taken to continue to progress affordable, sustainable building practices; shine a light on water conservation; provide ways to preserve this natural resource; and offer builders another competitive advantage.

Five verifiers trained in performance-based assessment tool

May 22-24, Built Green held training for the first five verifiers on the **Water Efficiency Rating Score (WERS)®** assessment tool. Green Builder® Coalition delivered in-class and onsite training.

A shout out to Jason Hill at **City Homes** and Charles Fay at **Jayman BUILT** for providing show homes to serve as onsite training locations, and for being progressive builders who value innovation and sustainable building practices.

At the two onsite locations, they looked at the water main and how to turn off / on, identification of all the water-using appliances and fixtures—think sinks, toilets,

shower / baths, laundry, dishwasher, and anything else like fridge, sauna, pool, hot tub, fountain, water softener, reverse osmosis, etc. And,

they looked at the outside things like the hose bibb, any irrigation system present, along with a discussion about the landscaping, and consideration of the roof, any collection systems, as well as other site features like pervious and impervious surfaces, slope, soil type, etc.



Built Green Canada welcomes industry professionals on their first day of WERS training.

About WERS®

- WERS is based on measurable parameters, along with a scoring scale of zero to 100, zero being the most desirable. Indoor water use considers the main plumbing fixtures of toilets, showers, lavatory and kitchen sinks, clothes washers and structural waste. Those who run the shower for a while before getting hot water are familiar with structural waste: it refers to the amount of water wasted before usable hot water arrives at the furthest hot-water using fixture;



WERS training session at a Jayman BUILT show home.

- WERS includes the ability to account for all outdoor water use, as well as reuse via rainwater, greywater and blackwater catchment calculations. Depending on the verified filtration methods for rainwater and greywater, they can be used to offset indoor water use. Additionally, any remaining unused rainwater, greywater and / or blackwater (if applicable) can be credited to potential outdoor use.



During the WERS training session at the City Homes' show home, Sales & Marketing Manager Jason Hill.

What you can do to contribute to water conservation

- If you're a homebuyer / homeowner, ask your builder / renovator for a BUILT GREEN® certified home / renovation. Built Green Canada's programs take a holistic approach to sustainable building that addresses energy efficiency, integrating Natural Resources Canada's EnerGuide, and then go beyond to include materials and methods, indoor air quality, ventilation, waste management, water conservation, and business practices. WERS is an option to choose from as part of Built Green's water conservation portion of its third-party certification programs.
- WERS works along the same lines as EnerGuide (it's like EnerGuide for water) and takes into consideration water usage, water waste looking at flow rates—both inside and outside—examining things like: faucets, shower heads, water devices, a recirculating line if applicable, irrigation systems, permeable materials, and landscaping—while some of this based on the builder, there are things the homeowner can do in terms of landscaping, for example: xeriscaping (landscaping or gardening that reduces or eliminates the need for supplemental water from irrigation). And, if a faucet replacement is required, replace with low-flow.



Built Green Canada Issues Sixth Annual Sustainable Building Challenge to Municipalities

Industry leads the way in climate mitigation ahead of regulation, while all orders of government increase commitment to sustainable building

Concurrent with National Environment Week, Built Green Canada announced its sixth annual challenge to municipalities across the country to raise awareness of the importance of sustainable building practices, to challenge municipalities to encourage green building, and to highlight those builders leading the way.



The challenge is marked by a growing number of municipalities who have proclaimed June 5 as BUILT GREEN® Day. This includes Beaumont, Brampton, Burlington, Campbell River, Central Saanich, Chestermere, Collingwood, Comox, Edmonton, Estevan, Fort Saskatchewan, Greater Sudbury, Kelowna, Ladysmith, Langford, Markham, Nanaimo, City of North Vancouver, Okotoks, Port Coquitlam, Prince Albert, Regina, Saanich, Saskatoon, Vancouver, Victoria, Whistler. Meanwhile, others offered their support for the initiative and sustainable building—Abbotsford, Brandon, Canmore, Courtenay, District of North Vancouver, Golden, Leduc, Moose Jaw, Ottawa—and Lethbridge recognized the day by lighting up City Hall with green LEDs.

This reflects the growing concern faced by public and private industry on climate change and the heightened expectations of the municipality's role in addressing this social problem. In response to meeting environmental targets, all orders of government are developing climate mitigation strategies, while for those working in the residential building industry, increased energy performance and other regulations continue to change.

The increased stringency of codes and standards is driving costs up for the industry: the unintended consequence is the further deterioration of housing affordability. With the intersection of these two social problems, there is possibility for further collaborative actions between government and industry—collaboration that considers the environment, costs, and the pace of change—given realizing sustainability targets requires the support of private industry. "This underscores one of our key advantages," says Jenifer Christenson, Built Green Canada chief executive officer. "We're industry-driven, offering third-party certification programs for those interested in a holistic approach to sustainable building—and, we're affordable. We want to see municipalities encourage programs that are economical: for the builder and for the homebuyer."

When municipalities recognize programs already embraced by builders and developers, they are better able to work with the residential building industry to collectively progress sustainability... [read more](#).

Built Green & Energy Step Code / 9.36

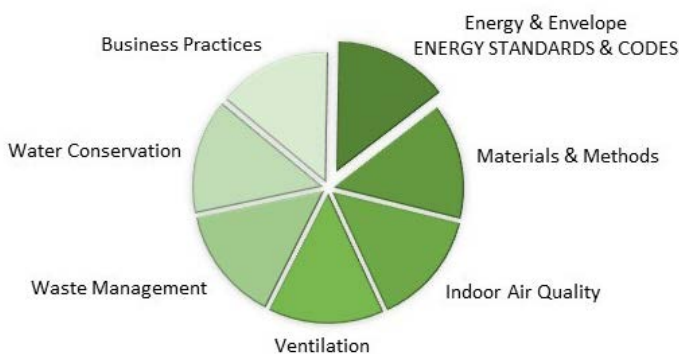
We Support Code Compliance & Offer Builders a Competitive Advantage

With both Energy Step Code and 9.36, a minimum energy performance standard is now a requirement for all builders. These codes are a subset of our programs, as we address energy and more.

Through our Energy & Envelope section, we offer a variety of scenarios for you to comply with the code. Our checklists provide choices on how to achieve energy efficiency.

These programs include builder support from industry professionals and go beyond base-level code for a more holistic approach to sustainable building practices, including Materials & Methods, Indoor Air Quality, Ventilation, Waste Management, Water Conservation, and Business Practices. This means that builders certifying with us are building homes beyond code requirements.

ENERGY STANDARDS & CODES: ONE COMPONENT OF BUILT GREEN'S PROGRAMS

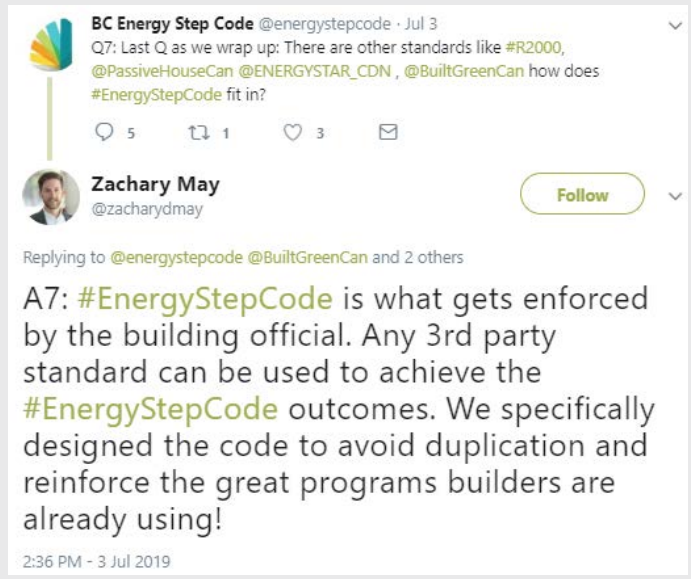


We can work with you (alongside your EA) to ensure you meet requirements, while offering you the competitive advantage of showing you're a builder that goes beyond what is required in code—a builder that goes beyond status quo.

As the BC Energy Step Code rolled out, they cited complementary programs for each of the steps. These programs are intended to reference a rough corresponding requirement in terms of the level of energy efficiency; though program certification does not guarantee the build meets code compliance. However, working with Built Green Canada, we will support you to ensure your project meets code requirements and through the BUILT GREEN® label, you can authenticate the legitimacy of your build. And, though cited as complementary on the first three steps, our programs apply all the way up to step five: we're seeing dual certifications of BUILT GREEN® Platinum and Net Zero—we're aligned with Net Zero targets for 2030.

Did You Know... since our beginnings in 2003, the cumulative impact of BUILT GREEN® certified single family homes translates into more than half a million (588,505.29) tonnes of greenhouse gas emissions saved (as at March 31, 2019).

Featured Tweet



Built Green in Your Community

Built Green Canada Certifies Eight High Density Projects in Second Quarter 2019

This quarter has seen another high number of high density projects successfully complete the audit process and meet 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: Roger Chayer, TALUS Consulting; Karen Goddard Hermanson, 4 Elements Integrated Design Ltd; and Tyler Hermansen, 4 Elements Integrated Design Ltd—on the following projects:

Creekstone Mountain Lodge



Photo: Spring Creek Mountain Village.

This Canmore project by Spring Creek Mountain Village Inc. was awarded BUILT GREEN® Platinum certification (v. 2017). Of particular note was the impressive energy performance of the building.

Creekstone Mountain Lodge is a four-storey building consisting of 56 units in one-, two-, and three-bedroom plans appeals to both recreational property owners and people wanting a permanent residence. And, it continues to raise the bar for luxury mountain living, within an active and energetic community.

Beyond the sunny southwest exposure offering views of the majestic Mount Lawrence Grassi, Ha Ling Peak, and the rugged Rundle Range, the condo units in this project are stunning: contemporary mountain styling with signature rock fireplaces, spa-inspired ensuite bathrooms, gourmet designer kitchens, wood floors in main living areas, and multi-zone in-slab geothermal heating and air conditioning.

Amenities include an owners' lounge, private courtyard with outdoor garden hot tub, and an exercise room.

This is the fourth high density project that has successfully achieved BUILT GREEN® certification for Spring Creek Mountain Village Inc. with a fifth project in process.

Kudos for their ongoing commitment to sustainable building practices and a congratulations for achieving a Platinum certification—an impressive accomplishment!

Highstreet Ventures Does it Again... and Again... Hits Platinum

Aberdeen View



Photo courtesy of Highstreet Ventures.

Highstreet Ventures has done it again with Aberdeen View, two buildings located on Pacific Way in Kamloops, earning a BUILT GREEN® Gold certification (v. 2016). Beyond the notable energy performance of this project,

also noteworthy were the points earned in the Materials & Methods, as well as the Ventilation and Waste Management sections of the checklist.

Aberdeen View's apartment rentals combine quality finishes, generous amenities, and environmental sustainability. The amenities for these buildings abound, including solar array, smoke-free, pet friendly, security cameras, key fob secured entry, bike racks, elevator, fitness room, community lounge, patio / picnic area, community garden earth bins, and recycling.

These units look great, reinforcing that sustainable builds, solid design, and a rental build do go hand-in-hand!

NEO

The NEO project by Highstreet Ventures, is located in West Kelowna and was awarded a BUILT GREEN® Platinum certification (v. 2016). Noteworthy is the stunning energy performance of this building. And beyond the impressive energy performance improvement and meeting the compliance requirements in the remaining sections of our High Density Certification—Materials &



NEO rooftop terrace, photo courtesy of Highstreet Ventures.

Methods, Indoor Air Quality, Ventilation, Waste Management, Water Conservation, and Business Practices—this project scored high in the ventilation area.

While Highstreet Ventures' accomplishment on the sustainable building aspect of the NEO is to be commended—with features including solar energy to power common areas—these condo units are very attractive, offer spectacular views, and we love the rooftop terrace and community garden! This building is already completely sold out!

Parkwood Place—Built Green's First High Density Certification in Ontario



Photo courtesy of Highstreet Ventures.

Parkwood Place consists of three buildings on Candlewood Drive in Guelph, Ontario, which were awarded BUILT GREEN® Gold certification (v.

2016). Of note are the impressive points earned in Energy & Envelope, as well as the Materials & Methods section.

Sustainability starts here, where advanced design meets energy efficiency on the roof of Parkwood Place where solar panels capture the sun's energy. Leading edge building technologies, such as a super insulated building envelope and triple-pane windows, have earned Parkwood Place the coveted Green Seal mechanical rating. Sustainable features for residents include solar powered charging stations for electric vehicles and future EV-ready stalls. Making the best use of sustainable technologies means Parkwood Place is exceptionally soundproof, energy-efficient, liveable, and comfortable. We can all live with that.

Other amenities include a fitness facility, community garden, social lounge, a dog run, and more!

VERVE

VERVE, built by Abstract Developments, is located in the District of Saanich (Victoria), and was awarded BUILT GREEN® Silver certification (v. 2017). Noteworthy was the impressive points earned in the Materials & Methods section of the checklist.



Photo: Abstract Developments.

VERVE's sophisticated five-storey building design offers 95 rental suites located off Whittier Avenue, set above ground floor commercial space that fronts onto Boleskine Road. Offering a wide range of thoughtfully designed contemporary suites plans, with areas ranging from 411–1,363 sq. ft., the homes at VERVE are designed to suit a variety of lifestyles. These include studio,

one- and two-bedroom rental suites conveniently located in the Uptown neighbourhood, just steps to shopping and dining experiences, as well as the Galloping Goose Trail. This purpose-built rental is completely leased.

At-a-glance features include: interior design by renowned Nygaard Interior Design; patio, balcony, or terrace for each suite; expansive city and mountain views from higher floors; over height 9' – 11' ceilings throughout; laundry included within each suite; pet-friendly suites available; secure underground vehicle and scooter parking available; and out-of-suite storage and bicycle lock-up areas available.

Abstract Developments has been certifying their builds through Built Green Canada since 2013 and have completed close to 50 projects through our third-party certified programs, with two high density projects currently underway.

Habitat for Humanity's 2019 Women Build



Built Green CEO Jenifer Christenson at Women Build 2019.

On May 8, Built Green Canada re-joined the movement of women empowering one another. We know that one third of Habitat homeowners are single moms. By raising funds and building homes together, we're helping other women achieve strength, stability, and self-reliance. Women Connect. Women Give. Women Build. 2019 Women Build.

Nudura Training Seminar and Built Green

Nudura ICF, a product catalogue lister with Built Green, has held a number of training seminars over the last few months: two in April and one in May. As part of their presentations 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 Nudura ICF for helping to educate about how we can help builders meet and exceed code. 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.



Photo courtesy of Vancouver ICF.

The next training seminar will enable builders to build successfully with Nudura ICF, Fastfoot, Fast-Tube and Helix

Micro Rebar and is on August 30 at the Vancouver ICF Training Centre: Unit 20 1610 Derwent Way in Delta. It is approved for 4 points for Continuing Professional Development for those builders registered with BC Housing.

Built Green at 20th Annual Eco-Solar Home Tour



Koen de Waal of De Waal and Karen Podolski of Built Green.

Built Green participated in the 20th Annual Eco-Solar Tour, which celebrated its 20th anniversary on June 1 – 2, and is Canada's largest tour of energy-efficient homes. The tour is put on by the Eco Solar Tour Society. This year, Edmonton's tour had a record 25 sites, including 21 homes.

We were based at one of our members' builds, **De Waal Developments**—a BUILT GREEN® Platinum / Net Zero home where we connected with over 100 builders, homeowners / homebuyers interested in sustainable homes.

Sea to Sky Removal Recognized by Recycling Council of BC

Sea to Sky Removal won at the 2019 Recycling Council of BC Environmental Awards for diverting construction waste from landfills—over 900,000 kilograms of waste since 2017.

And just prior to this, the company announced it was recognized as a **Certified B Corporation**, recognizing the overall positive impact of the business. Moreover, Sea to Sky have won a Best Concept award at the 2018 BC Small Business Awards and a Sustainability in Action Business nod at the 2018 Whistler Excellence Awards.

Based in Squamish and operating throughout Sea to Sky and the Lower Mainland, the company works with construction firms to recycle construction waste and divert materials from the landfill, sorting through waste by hand.

They are the first company in the region to install recycling stations on construction sites (which they estimate diverts about 136 kilograms per service). [More here.](#)

Habitat for Humanity Edmonton: Another Carter Place Dedication

On May 30, six families in Edmonton became homeowners thanks to **Habitat for Humanity** and its supporters. Six families received keys to their new homes at Carter Place,



Photo courtesy of Habitat Edmonton.

a Habitat development in Edmonton's Laurel community. These new homeowners have joined the 33 families already at home in the development and will be paying an affordable mortgage, with payments that do not exceed 25 percent of their income.

Carter Place was named in honour of former US President Jimmy Carter and Rosalynn Carter who visited in 2017 to help with the build. The development includes BUILT GREEN® certified homes.

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.

Planning a barbeque? Use your plaque as a napkin weight for outdoor dinner parties. Do you have a patio fire bowl? Put the plaque in the bowl and show everyone your house is on fire. Consider using a plaque as a yard statue in your flower gardens or water features.

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).

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.

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 Q2:

BC Traditional Homes Ltd. (2), Large & Co. Developments, De Waal Developments, Harbourview Homes (3), James' Joinery Ltd, Landmark Homes (5), Larsen Whelan Enterprises Ltd, Madrona Fine Homes Inc, Rosecrest Homes Ltd, Spring Creek Mountain Village Inc. (2), Tyee Homes (3), and Urban Pioneer Infill Inc.

A special call-out and congratulations to both [De Waal Developments](#) and [Rosecrest Homes](#) who had projects achieving BUILT GREEN® Platinum and Net Zero!

The single family certification breakdown for Q2 is 8% Bronze, 21% Silver, 64% Gold, 7% 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

Kyle Anders,
Building Knowledge Canada Inc.



On January 1, 2017, Energy Efficiency requirements in the Ontario Building Code were updated. This covered both small residential buildings (*Supplementary Standard SB-12 - Chapter 3*) as well as larger multi-unit residential and non-residential buildings (*Supplementary Standard SB-10 - Divisions 3, 5*). The update brought higher levels of energy performance to the building envelope, space heating, ventilation, and domestic hot water heating.

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, and building science professionals, 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 the BUILT GREEN® 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 Building Knowledge Canada Inc, out of Cambridge, Ontario, whose mission is to improve the performance, quality, comfort, durability, and energy efficiency of homes across Canada. Working with the industry since 1986, they now serve over 150 homebuilders across Canada and in locations throughout the United States. Growing from a solid background in building science, energy efficiency consulting, and HVAC product support, Building Knowledge Canada has expanded its services to include: energy efficiency design development, performance modeling and program certifications, building performance diagnostics, e-training and program development for residential industry partners (i.e. builders, manufacturers, utilities and trade contractors), addressing the latest sales and marketing techniques, building standards, homeowner expectations, and trends.

An early proponent of energy efficient technologies, certifications, and standards, Building Knowledge Canada built on its expertise in the R-2000 energy efficient homes program, helping builders and industry partners to easily achieve the high performance standard set by the Canadian programs.

The Building Knowledge Canada team includes building science professionals, engineers, and building performance

experts. Their technicians have exceptional hands-on skill in identifying—and solving—problems in modern homes related to energy efficiency, heating/cooling, ventilation, and moisture control. Using state-of-the-art diagnostic tools, they can accurately measure airflows, pressures, temperature, and humidity. Then through experienced analysis, they uncover the root of problems and recommend cost-effective, reliable solutions.

Kyle Anders, Senior Project Manager at Building Knowledge Canada, has been working in energy and environmental building design for 10 plus years. Kyle was educated in mechanical engineering and got his start with Mindscape Innovations, an Ontario-based Service Organization. His experience includes energy modelling, field testing and verification, quality assurance, program development, training for builders, building officials, and energy advisors, consulting support for product manufacturers and utilities, and commissioning. Kyle has helped many of Ontario's largest residential developers step up their sustainability game, as well as countless custom build projects. He is driven to equip project teams with the tools and resources for delivering better buildings to the market.

Anders, a long-term member of Built Green Canada's Technical Standards Committee and valued contributor, recently completed his first BUILT GREEN® High Density project as a Verifier, working with 4 Elements Integrated Design Ltd. on Highstreet Ventures' Parkwood Place in Guelph, Ontario.

For more information email info@buildingknowledge.ca, phone 1.800.267.6830, or visit www.buildingknowledge.ca

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

Built Green in the News

Over the second quarter of 2019, related media coverage was picked up by a number of outlets, including Bing News, BC Building Info x 2, Calgary Herald x 3, Canada.com x 3, Canadian Business Journal, Canadian Contractor, Canadian Insider, The Community Press, Construction Links x 3, Construction Today, Digital Journal, Edmonton Journal, EIN News, Financial Buzz, Goderich Signal Star x 2, London, Free Press, Kijiji, Renewable Energy Magazine, Sooke News Mirror, Victoria News, Wallstreet Online, Yahoo Finance, and more.

PROGRAM UPDATES

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.

Checklist Updates

Program updates are informed by building code, the Technical Standards Committee, the Board of Directors, new technologies and innovations, and industry input.

We very much value input from industry through the year, and often this results in greater clarity on existing checklist items, updates to the point allocation of checklist items, as well as new checklist items.

As we work through program updates for the 2020 Checklists, please stay in touch and provide your feedback: new approaches to sustainable building may be awarded with innovation points.

Following are updates coming for 2020, which builders may use on current projects, if the adjustments apply.

I. Single Family

1.4.3 Update: Install photovoltaic electrical generation system, sized for 20% of electric load (3 points), 30% of electric load (5 points), 50% (6 points), or 80% (8 points).

II. High Density

The Built Green High Density program currently references NECB 2011 as a valid energy baseline. Projects pursuing NECB 2015 compliance to meet the requirements of their local jurisdiction may add 5% to the equivalent energy performance as measured against NECB 2011. This is a conservative value that

recognizes the increased energy requirements of NECB 2015, while acknowledging that the actual performance improvement can vary substantially for individual buildings. This removes the need for projects to create a separate NECB 2011 energy model, though they may certainly elect to do so if they feel it is advantageous.

III. High Density Renovation Pilot

Energy & Envelope:

- The energy performance of the building's upgrades and retrofits must be compared to the requirements of the current energy standard or energy code used for modeling (ASHRAE 90.1-2010 or NECB 2011). Energy savings demonstrated will result from increased performance from the building's upgrades and retrofits only.
- Existing building systems and elements that will not be upgraded or retrofitted must be included in the energy model and modeled identically between the design case and energy standard or energy code reference case according to industry-standard requirements. Where existing building systems and elements exceed the performance of the energy standard or code used for modeling, energy savings may be claimed.

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.

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

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 earn checklist points.

Greenstone Structural Solutions

Earning checklist points in Energy & Envelope

- 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.

Innotech Windows and Doors

Earning points in Envelope & Energy and Materials & Methods

- 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.

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)

Ultimate Vent

Earning checklist points in Indoor Air Quality

- 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.

Johns Manville

Earning checklist points in Envelope & Energy, Materials & Methods, Indoor Air Quality, Business Practices

- Formaldehyde-Free Thermal and Acoustical Insulation for wood, engineered wood, and steel framing is made of long, resilient glass fibres bonded with our bio-based binder. A wide range of thermal resistance is available to provide thermal control for vertical and horizontal applications. (2.2.5, 3.9)
- Formaldehyde-Free™ Fibre Glass Building Insulation offers the thermal and acoustical performance you expect from fibre glass—and addresses indoor air quality because it's made without formaldehyde, and we know that reducing formaldehyde levels creates a healthier living environment. JM offers the only complete line of certified Formaldehyde-free™ fibre glass building insulation. (2.2.5, 3.9)
- AP™ Foil-Faced Foam Sheathing board consists of a uniform closed-cell polyisocyanurate foam core bonded on each side to a foil facer. One side has a reflective foil facer, and the other side has a white, non-reflective foil facer to suit your building needs. (1.1.2)
- Vent chutes allow installation of attic floor insulation close to the soffit, enabling unobstructed air passage between the soffit vents and the attic without clogging the soffit attic ventilation ports with insulation. (7.1)
- JM Sound-SHIELD® Batts provide maximum sound control effectiveness by completely filling the cavity wall. These sound control batts are compatible with wood or steel studs in walls and are also used in floor/ceiling assemblies. JM sound control batts can effectively increase STC ratings by 8 to 10 points in certain assemblies. Use of resilient channels can make wall assemblies even more efficient. (7.1)

Canadian Stone Industries

Earning checklist points in Materials & Methods

- Boral Cultured Stone® by Boral Stone Products is a light-weight manufactured stone veneer suitable for residential and commercial, exterior and interior applications. Containing 54% recycled content, Cultured Stone® provides an authentic and eco-friendly alternative to other forms of exterior cladding, offering specifiers a multitude of options with its vast array of profiles and colours. (2.3.5)

Save Time On Product Sourcing!

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