Quarterly Newsletter Q4 2018

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Naikoon's Commitment to Sustainability Inspired by Haida Gwaii

Photo courtesy of Ema Peter Photography.

Hailing from Haida Gwaii, a place known for its deep connection to nature, Josef Geluch, president at Naikoon Contracting Ltd., credits his roots for his interest in sustainability, describing it as a pure place that deeply influenced him.

Reflecting on his foray into sustainable building, Geluch recalls taking BUILT GREEN® training back in 2009. Led by Troy Glasner of E3 Eco Group, it was a small group, but the experience further fostered his commitment to the environment.

Sustainable building practices were in their infancy, and few builders were actively pursuing this path. "I wanted to build a better home and differentiate our company," says Geluch. "At Naikoon, we wanted sustainability as part of our identity; we recognized the value for both the homeowner and for our staff."

Despite having a penchant for sustainability and recognizing the business advantages, the first BUILT GREEN® certified project was influenced in part by consumer demand. Naikoon was contracted to build two homes on a double lot with two different owners, one of whom was very committed to sustainability.

"We learned a lot about general air tightness, exterior insulation, comfort—the house as a system. And Built Green has a good checklist of green options to build a better house—it's well set-up and easy to use," says Geluch. From there it was full speed ahead. The team was brought together to review the program checklist, the project's specifications and budget, and then develop a project plan that everyone could commit to.

The commitment and enthusiasm for innovative building practices was formalized and became a philosophy that Naikoon integrated into all aspects of their business through policies, processes and methodologies. This approach was also applied to their client relationships: the benefits of building green are discussed in those first conversations with homebuyers. Breaking down their materials and methods into individual features allows their team to communicate the associated benefits while keeping it simple.

When they're working on infill, this may include reusing parts of the old house; reclaimed materials like lumber, beams, stairs, walls and doors have both environmental and aesthetic benefits. "We educate them so they understand the value of sustainable features, and we personalize this with storytelling, so the home becomes all the more meaningful to our clients: the end result is a homeowner who is proud of their home and excited to show it off to their friends." Geluch credits this educational approach to what attracts their customers. Read more here.

Built Green Takes Step Forward in Water Conservation

Partnership with Green Builder® Coalition brings first performance-based water rating to Canada

On November 8, Built Green Canada announced its partnership with the Green Builder® Coalition to bring performance-based water efficiency to Canada through its third-party certification programs' water conservation section.

Though parts of Canada, and the world, are increasingly experiencing droughts, and freshwater ecosystems are shown to be under stress, water conservation in the residential building industry has not received the attention energy efficiency has, though they are both connected and significant; in this respect, the Water Efficiency Rating Score (WERS)® is a step forward.

WERS is based on measurable parameters, with a scoring scale of zero to 100, zero being 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.

Meanwhile, 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.

"Industry and all orders of government increasingly are focused on the reduction of greenhouse gas emissions (GHGs) and in the residential building sector, the emphasis is on improving the energy performance of buildings," says Built Green Canada's chief executive officer Jenifer Christenson. "While energy efficiency is an essential component of sustainable building practices—and our programs... read more here.

Built Green in Your Community

Highstreet Venture's First High Density Project, Mission Flats, Achieves BUILT GREEN® Gold in Kelowna

In March of 2016 the Highstreet leadership team sat down to discuss sustainability goals and the future of their buildings. After comparing eight programs, they chose Built Green. Their initial goal was to achieve BUILT GREEN® Bronze with their Mission Flats project in Kelowna.

This was a first step in their deep dive into high efficiency, green building, and they've since made a goal to work towards owning $200M in net-zero property. In October, 30 months later, they surpassed their original goal: Mission Flats achieved an impressive BUILT GREEN® Gold. As their BUILT GREEN® HD Verifier said, "It's solid gold, baby—solid gold."

This grouping of 5 HD buildings is their first certification as well as the largest HD project in Built Green Canada's history—while Highstreet has 12 more BUILT GREEN® HD projects in progress across the country, helping to provide sustainable homes from east to west.


Mission Flats, courtesty of Highstreet Ventures Inc.

Built Green Canada would like to highlight that Highstreet Ventures has made the largest private investment in renewable energy in multi-family projects across Western Canada. The Mission Flats' apartment suites and townhomes look great, reinforcing that sustainable builds, solid design, and a rental build do go hand-in-hand: Mission Flats is certainly a wow project!

"This is only the beginning," says Jeff Gallant, Vice President, Construction at Highstreet Ventures Inc.

A big congratulations to Highstreet Ventures' in their efforts to incorporate advanced building techniques.

Cirrus Homes Showcases Benefits of BUILT GREEN® Certification at Home Show in Vancouver


Greg Hanberry at the Fall Home Show.

Greg Hanberry, director at Cirrus Homes, participated in the Vancouver Fall Home Show, presenting on Healthy Homes for Healthy Families. Based on the BUILT GREEN® home certification program, the presentation offered attendees the chance to hear from an experienced builder that has put homes through BUILT GREEN® certification and understands the benefits to homeowners.

This four-day event sees tens of thousands of homeowners each year. Thanks and kudos to Greg for his leadership in choosing to help educate on the value of a holistic, sustainably built home, while showcasing the value of third-party home certification.

Enerspec Features Built Green While Promoting EnerGuide Rebates in Edmonton

The Edmonton Fall Home Show took place October 26 - 28, and in attendance was Dave Turnbull, owner of Edmonton-based Enerspec Energy Consulting and Home Inspections Inc.

Dave Turnbull at the Fall Home Show.

Offering homeowner rebates, the City of Edmonton and Energy Efficiency Alberta have partnered to encourage energy efficiency, both in new and renovated homes—between them, offering homeowners $400 towards an EnerGuide evaluation. As a very qualified Edmonton Energy Advisor able to provide this service and further consult on improving home efficiency, Dave helped spread the word with his booth, where he also featured Built Green Canada!

Being as the BUILT GREEN® Single Family and Renovation programs include the EnerGuide label through Natural Resources Canada, Dave took the opportunity to showcase these programs alongside his own work; big thanks to him for his ongoing support for Built Green and commitment to sustainable building.

Opening Doors Conference in Calgary

The Opening Doors Conference took place November 14 in Calgary, and Built Green Canada was able to participate. This event provides an opportunity for industry from across Alberta to gather and discuss trends and topics in the housing sector and engage in a day of training and networking. The focus on housing affordability continues to be critical on the agenda within the public and private sector. A huge kudos to the important work being done in this area within the Canadian Housing & Renewal Association, as well as a shout out to the BC Non-Profit Housing Association for sharing their key advances in the BC non-market housing sector, and finally a big thank you to the Alberta Urban Municipalities Association.

Habitat's Carter Work Project Enables Another 13 Edmonton Families to Become Homeowners

On December 13, Habitat for Humanity Edmonton presented 13 families with keys to their new BUILT GREEN® homes. Built Green Canada was in attendance to watch as this piece of the Carter Work Project wrapped up.

Photo courtesy of Habitat for Humanity Edmonton.

In July 2017, to mark Canada's 150th anniversary, President Jimmy Carter and former first lady Rosalynn Carter entered yet another phase of work with Habitat for Humanity, which would build 150 homes across Canada through this 34th Jimmy & Rosalynn Carter Work Project.

Truman Homes' Noble Project Achieves BUILT GREEN® Gold in Calgary

On October 10, Truman Homes' Noble project in Calgary was certified at BUILT GREEN® Gold. The project boasts progressive timeless design, inspired to connect people and places with condominium units that are stunning. To Truman, building a home that is both sustainable and socially responsible is not just a trend, it's what they've believed in since day one.

Their homes are designed to help save money and energy with high-performance windows, quality insulation, high efficiency heating and cooling systems, and energy-efficient lighting and appliances. To-date, Truman Homes has had 36 BUILT GREEN® Single Family homes certified, and this marks their third BUILT GREEN® High Density project, with two others in progress.

For over 30 years, this local, family-owned business has been building properties of exceptional quality and distinguished craftsmanship in Calgary and surrounding areas with the core belief that everyone can Live better.® Their vision is to make this a reality by challenging themselves year after year to raise the industry standard through innovation, quality, and value—enriching the lives of the families they touch.

Photo of Noble, courtesy of Truman Homes.

Spotted: Blower Door in Surrey

Energy Advisors at E3 Eco Group Inc., Paola Rodriguez and Christine Harms, perform a Blower Door Test, one piece of the EnerGuide label and understanding how air tightness affects building envelope. E3 also offers infrared photos and smoke pencils to identify points of leakage, some of their many services.

Lyra Residence Limited Partnership's Lyra Residences Achieves BUILT GREEN® Certification in Saanich

Photo courtesy of Lyra Residences.

On December 4, 2018 Lyra Residence Limited Partnership's Lyra Residences Phase One located in Greater Victoria, was certified BUILT GREEN® Silver. This project was designed to heighten its occupants' lifestyle. With concrete and steel, each building offers quiet and privacy within contemporary architecture and a colourful façade. Exclusively housing two-bedroom homes, the homes integrate spacious balconies and expansive windows, beckoning the outdoors in. In addition, the Lyra Residences is adjacent to a nature sanctuary and has central access to Victoria's amenities.

The consultant team for Lyra Residences includes the Marker Group, committed to building strong, sustainable communities with a mind for the future; Aplomado Developments, known for their versatility and quality for over 25 years; de Hoog & Kierulf Architects, committed to sustainable design; and Inside Design Studio, creating functional, sustainable, and inspiring spaces.

Built Green Presents to Vancity Community Business & Investment Team

On November 28, Built Green presented to the Vancity Community Business & Investment team on Built Green's sustainable building programs and how the BC Energy Step Code fits into these.

Organizations like Vancity that are committed to progressing vibrant, sustainable communities are able to demonstrate leadership and align with other like-minded entities to demonstrate their brand values. As it relates to financing developers, there may be a reduction of financial risk for those who are building more sustainably through a third-party program. Meanwhile the benefits of sustainable building are far reaching and impact those organizations and stakeholders that are encouraging sustainability practices, as well as government, builders, and homebuyers. As such, the impact of those that support sustainability extend beyond their own community.

Platinum Certifications

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

Blackfish Homes Ltd. (1), Cameron Homes Inc. (1), Cirrus Homes Inc. (1), Colbray Homes Ltd. (1), Diamond Head Development Construction Ltd. (12), Distinctive Homes Inc. (2), Excel Homes (1), Falcon Heights Contracting Ltd. (1), GNB Builders Inc. (3), Greener Homes Ltd. (1) – **also Net Zero*, Hughes Construction Ltd. (1), Island West Coast Developments Ltd. (2), J. Zsiros Contracting Ltd. (1), Landmark Homes (31), Lentel Construction Co. Ltd. (1), My House Design/Build/Team Ltd. (1), Partners Development Group Ltd. (2), Sterling Homes Ltd. (3), TRF Woodcrafts Ltd. (1), Tyee Homes (1), Verity Construction Ltd. (16).

The single family certification breakdown for Q4 is 21% Bronze, 24% Silver, 58% Gold, 14% Platinum.

Net Zero is Complementary to BUILT GREEN® Platinum

Built Green sees a number of BUILT GREEN® Platinum certified / Net Zero homes. Net Zero homes are complementary to those certified through Built Green Canada, given we address energy and then go beyond for a holistic approach to sustainable building. This speaks to the success of our programs, which support builders in building better, and through our four levels of certification—bronze, silver, gold, and platinum—allow for builders at varying stages to progress and increase the environmental performance of their builds.

Featured Tweet

Mission Green Bldgs @MGBCalgary · 8 Nov 2018

Great to see @StrategicGrp Issac Beall and Ash Mahmoud presenting on adaptive reuse of office buildings, many of which MGB is providing Built Green sustainability services for! @BuiltGreenCan #buildexCALGARY

Built Green in the News

Over Q4, related media coverage was picked up by: Okanagan Life, Sooke News Mirror, BC Building Info x 3, Construction Links x 4, UsedVictoria.com, Kijiji, Kootenay Business Magazine, Building Magazine, Calgary Herald, Daily Commercial News, Canadian Contractor, HPAC.com - Heating Plumbing Air Conditioning, Business in Focus, Bridge City News, Building Magazine, and more.

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.

These can be used as a focal point on your coat rack or bench in your foyer, or mount it on your yard gate.

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).

Staying Ahead with Built Green

Whether the municipality you're working in has adopted 9.36 of the building code or the Energy Step Code, all builders must now meet a minimum energy efficiency standard. As you know, this has created a more even playing field across the industry, since all builds now have an energy performance standard—we can help set builders apart.

With this in mind, the benefits of certifying homes through Built Green Canada continue to increase, since our programs address energy efficiency—so they complement energy-focused building code—and then go beyond for a more comprehensive approach to sustainable building practices. This means that builders certifying with us are building homes beyond the status quo, offering an edge over the competition.

Our programs address seven key areas of sustainable building: energy & envelope; materials & methods; indoor air quality; ventilation; waste management; water conservation; and business practices—giving our builders a competitive advantage that resonates with homebuyers. With a BUILT GREEN® certified home, you pass along benefits to your homebuyer, including automatic mortgage rebate eligibility of 15%—plus, third-party certification offers verification to the energy efficiency and green features integrated into the build. Studies have shown third-party certified homes sell for approximately 10% more.

Celebrating October as Renovation Month!

Every year the Canadian Home Builders Association (CHBA) designates October as Renovation month across Canada—kudos to them for putting special focus on this important part of the residential building industry. By 2030, over 75% of the building stock in Canada will be existing buildings; in some cases, the most sustainable option is a renovation over demolition and new construction. And certification programs like Built Green's help guide sustainable practices.

Consistent with the Single Family and High Density programs, the Renovation program focuses on the same seven categories: energy efficiency with the integration of the EnerGuide label through Natural Resources Canada, materials & methods, indoor air quality, ventilation, waste management, water conservation, and business practices. And there are three renovation types: whole house, renovation, and small home improvements.

Here's what BUILT GREEN® builder Graeme Huguet, President of My House Design/Build/Team Ltd. has to say about his first BUILT GREEN® single family reno: "The renovation program offers the consistent, clear approach Built Green's other programs have in terms of process, priority areas, and options available. We're happy to be participating and offering input into the program at this stage."

While the single family renovation program's pilot began in 2016, there is a high density renovation program also in pilot—look for more details in our Program Updates section below.

Built Green Canada welcomes industry's continued input during this pilot phase. The program is complementary to the leadership efforts of the Canadian Home Builders' Association's and CMHC's "Get it in Writing" initiative.

Check your area for available rebates and incentives.

Home Improvement Rebates: Energy Efficiency Programs Incentivises Homeowner Upgrades

Renovators: be sure to feature these rebates to your clients and help them make affordable sustainable choices!

EfficiencyBC

EfficiencyBC is funded by the Province of British Columbia and the Government of Canada under the Low Carbon Economy Leadership Fund. EfficiencyBC incentives are administered by BC Hydro, FortisBC and BC Housing.

The Province of British Columbia is offering $300 rebates when you complete a pre- and post-retrofit EnerGuide home evaluation. Meanwhile, EfficiencyBC offers an incentive tool that guides you through rebates for your building type, home heating type, and location: https://efficiencybc.ca/incentives/

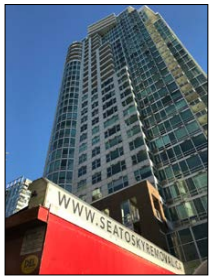
Energy Efficiency Alberta

A number of rebates to builders and homeowners are available, including a Home Improvement Rebate program. Homeowners can work with a participating contractor to increase their home's energy efficiency with improved insulation, upgraded windows, and tankless water heaters—all at a discount. Visit www.efficiencyalberta.ca/home-improvement/ for more.

And with the new Home Energy Plan program, homeowners can get even more benefits, including higher rebates:

- $1,000 bonus after completing three or more upgrades.
- $300 rebate toward your Home Energy Evaluation to find out where the best savings are, personalized for your home.
- More rebate options: the Home Energy Plan program includes all products found in the Home Improvement Rebates program, plus even more, like furnaces, boilers, window glazing/inserts and skylights.

Waste Management: Tips for Renovations



The BUILT GREEN® Renovation programs outline methods and materials you can use towards a sustainable upgrade. Waste management is an important piece, and it can be straightforward. Here are quick tips to make the process seamless and environmentally focused, courtesy of BUILT GREEN® Member Sea to Sky Removal.

1. Include a recycling area to streamline your waste—help sort the recyclables from the actual garbage.

2. If you are going to demolish areas of the building, how about deconstructing versus breaking everything up? This way you can repurpose materials for your new build or donate to a not-for-profit instead of paying to take up landfill space. Remember, always provide a heads up to the non-profits, rebuild centres, or schools you're donating to, so they can make room for your reusable materials.

3. Invest in reusable coffee mugs or water bottles for your crew! Nearly half of the garbage collected on construction sites are from disposable coffee cups and single-use containers. And how about supplying a water service for your site? The fewer plastic water bottles the better!

4. If you're working on a condo building, have you booked the elevator, so the building's residents know what to expect?

5. Lay down protection on floors and walls to protect the building and reduce clean up once the renovation is complete.

The majority of broken-down construction waste can be recycled, repurposed, or donated—it's not all garbage. These materials can avoid the landfill if you make a conscious effort.

Energy Advised

Tyler Hermanson, 4 Elements Integrated Design

With building code changes and 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 so much to offer you and your customers.

Once such company is Calgary-based 4 Elements Integrated Design owned by Tyler and Karen Hermanson. At 4 Elements, the focus is sustainable building, from pre-construction through to final testing. At the heart of sustainable building in Alberta, they help project teams of builders, designers, developers, and their clients find a pathway down the road to better built, better performing homes and buildings.

Tyler has long been familiar with the BUILT GREEN® programs, having volunteered for eight years with our organization's Technical Standards Committee, sharing in the effort to help with the initial development of our homegrown sustainable building programs for home builders. He has also volunteered with Natural Resources Canada on the R2000 Net Zero pilot and EnerGuide V15 development. Beyond this, he's a dedicated member of the BILD Alberta Provincial Residential Technical Committee, and in 2018 Tyler was awarded the organization's Exceptional Service Award for assisting the Ministry of Municipal Affairs in understanding implications of 9.36 of the building code. This award was presented to Tyler as an outstanding BILD Alberta volunteer, in recognition of his dedication and service to the Association.

Builders may also be familiar with Tyler and 4 Elements if they've taken building science training with the company, as he's long been teaching these valuable courses that help to progress both individual companies in their work to build better and the industry itself. Tyler has been selected to offer training for BC Housing on Energy Step Code and is a CHBA Net Zero Energy Trainer.

With five full-time Energy Advisors on staff, 4 Elements is also a Service Organization licensed to deliver NRCan's EnerGuide program—one piece of BUILT GREEN® single family and renovation projects. The team provides design, consultation, energy modeling, and education to support services, including a quality management program for larger builders and express EnerGuide labeling where the label is applied directly after testing, great for builders using EnerGuide for 9.36 compliance.

For more information email info@4elementsdesign.net, phone 403.250.5514, or visit www.4elements.eco.

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

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


Building Certificate of Authenticity

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

Demand for Sustainable Homes: Homebuyer Preference Study

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.

2019 PROGRAM UPDATES

Program Checklist Updates

We want to provide you with a summary of updates to our 2019 BUILT GREEN® Program Checklists. We've added a number of checklist items, providing you with new opportunities to earn points towards your BUILT GREEN® certification. And given code changes remain top-of-mind, we want to reiterate that Built Green and 9.36 / Energy Step Code are complementary.

Built Green & Building Code: 9.36 / Energy Step Code

Whether you're operating in a municipality that has adopted 9.36 or the step code, we can support you with compliance. For those building where step code has been adopted, this energy-specific component is a subset of our program, as we address energy and then go beyond to take a holistic approach to sustainable building. Regardless of whether it is 9.36 or the Energy Step Code, we can work with you to ensure you meet your requirements, while offering you the competitive advantage of showing you're a builder that goes beyond code—and beyond status quo.

2019 Program Checklist Updates

We have outlined both new and modified checklist items. 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 value input from industry throughout the year, which offers greater clarity on existing checklist items, potential reallocation of points on select checklist items, as well as the addition of new checklist items. All of this to say, your engagement helps us keep our programs relevant, so please stay in touch, as we value your feedback.

Built Green Canada continues to encourage new approaches to sustainable building, and these may be awarded with innovation points. As well, part of this year's updates are focused on resiliency. Though our programs have always encouraged home durability, 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.

View a summary of new and revised checklist items on our website (note: the same updates applied to the single family program apply to the single family reno program):

- 2019 Single Family / Renovation Checklist Updates
- 2019 High Density Checklist Updates

High Density Renovation Pilot Program

Built Green Canada has been working on a High Density Renovation program, which is now in pilot. Kudos to Strategic Group who already has three projects enrolled in the HD Reno program. Watch for more details in upcoming newsletters.

The new Renovation Program in pilot phase maintains the same seven categories as the High Density New Construction program and is contained within the same checklist. The main considerations and differences affect Energy & Envelope, Materials & Methods, and Waste Management; further details are outlined here: www.builtgreencanada.ca/program-updates-2019-high-density-renovation-checklist

Innovation Points

Through checklist points, we are encouraging builders to integrate innovative sustainable building practices above and beyond what is contained within our programs. The innovation must apply to a specific BUILT GREEN® project and will be reviewed by the Technical Standards Committee at the time of submission.

Though our programs have always encouraged home durability, we do have some updates focused on resiliency, as 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.

Buildings Overheating: What Are Your Innovative Practices?

Given our changing climate, the performance of a building may be impacted. Beyond passive solar design shading, we are interested in learning what strategies you have implemented to address this. Innovation point eligibility may apply.

We're Here to Help

We know this is a time of transition with building code changes, and we are committed to supporting industry. If you require support, please contact our office toll-free 855.485.0920.

BUILT GREEN® 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! Responsible for products and services for the residential building industry, they too are required to meet membership criteria to be part of the Built Green Canada community.

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.

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)

Quad-Lock Building Systems:

Earning checklist points in Energy & Envelope

- The R-28 ICF Wall Assembly has panels made of expanded polystyrene (EPS) and ties made of high density polyethylene (HDPE) to create a concrete form that accommodates vertical and horizontal reinforcing steel as required. Filling the cavity with concrete creates solid, reinforced concrete walls with 2-4 hour fire resistance ratings (FRR), low maintenance, and outstanding durability. The EPS Forming System stays in place to provide space to run small utilities, serve as backing for finishes, and incorporate superior, continuous insulation layers. The high insulation values, low air infiltration, and high thermal mass can achieve significant energy savings for building owners, operators, and tenants over the building's longer lifetime. Build unlimited wall widths, many different insulation values, corners, angles, T-walls, columns, pilasters, and radius walls, using just a few standard components. (1.1.3, 1.1.4)
- Quad-Deck System is a light weight, stay-in-place, concrete formwork system designed to build insulated, reinforced concrete T-beam slab floors and roofs, typically cast-in-place, but also as tilt-up or pre-cast panels. (1.1.3, 1.1.4)

Watercycles Energy Recovery Inc.

Earning checklist points in Energy & Envelope

- This is a cost-effective way to increase the energy efficiency of new homes under most building programs such as Built Green Canada. The Watercycle reduces the cost of hot water heating and doubles the output of a hot water heater. (1.2.9)

Sepurator

Earning checklist points in Waste Management

- The Sepurator 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 odor, 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)

Quik-Therm Insulation

Earning checklist points in Energy & Envelope, Materials & Methods

- Quik-Therm Multi-Purpose Insulation is a rigid insulation with reflective plastic facers on either side, providing a vapour, radon, and radiant barrier. It is impervious to moisture and eliminates thermal bridging—ideal for under slab, exterior wall, foundation, and ceiling insulation. (1.1.2, 1.1.8)
- Quik-Therm Connect is a rigid insulation board with built-in strapping members every 16" or 24". This is ideal for exterior insulation, as it will line up with the framing members, then allow siding to be fastened directly to the Quik-Therm Connect. In many cases, sheathing is not required and 2x4" construction is feasible. Other applications include exterior renovations, ceilings, and commercial concrete buildings. (1.1.2)
- The Quik-Therm Concrete Insulation System is an all-in-one assembly designed for residential basements. It provides framing members, insulation, and vapour barrier in a system that installs in half the time of conventional studs/batts/poly. With no thermal bridging, it performs nearly twice as well as fiberglass and wood studs. It does not absorb water and will not promote mold. Ideal for new construction, renovation, and commercial projects. (1.1.3)
- Quik-Therm Solar Dry is an exterior insulation that allows for both breathability and rain screen integration. Drainage cavity grooves on the inboard side allow the wall to breathe, drain, and disperse moisture. On the outboard side, grooves located at 8" on centre allow easy alignment for rain screen strapping. Solar Dry significantly improves the performance of the wall, allows construction of 2x4" construction, and is approved by building science and building inspectors. (1.1.1, 2.3.3)

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