

Finding Trusted Experts: Example Consultants and Facilitators

January 2021

When seeking trusted experts, it is important to remember that energy efficiency is just one of the important factors to consider when aiming for high-performance construction. Presenters must be able to speak to a holistic approach to achieving energy efficiency while considering multiple factors that influence a truly high-performance building (Figure 1). A facilitator should be agnostic of product types and brands, for example in tapes, membranes, or forms of insulation and focus on informed building science principles and a house-as-a-system approach that will suit a particular context and climate.

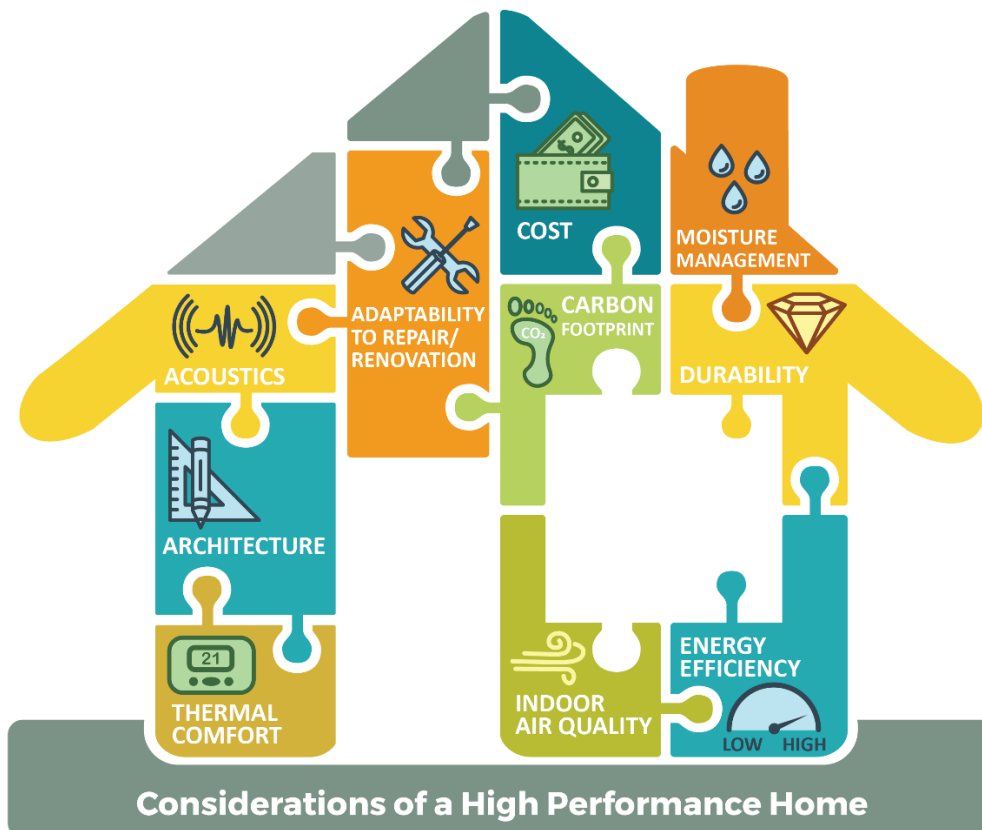


FIGURE 1. ENERGY EFFICIENCY IS ONLY ONE OF MANY IMPORTANT CONSIDERATIONS IN HIGH-PERFORMANCE BUILDING. FACILITATORS SHOULD DEMONSTRATE AN UNDERSTANDING OF A HOLISTIC APPROACH TO BUILDING (HOUSE-AS-A-SYSTEM) THAT PRIORITIZES ENERGY EFFICIENCY, WHILE CONSIDERING THESE AND OTHER IMPORTANT FACTORS. ADAPTED FROM A DIAGRAM BY HAMID DESIGN BUILD.



The following table summarizes some of CEA’s past partner organizations and facilitators that delivered excellent information, based on building science and a product-agnostic, house-as-a-system approach. If you wish, use this as a starting place for stakeholder engagement, noting that this is not an exhaustive list of training experts and facilitators.

Organization	Facilitator/ Instructor	Expertise	Notes
Hamid Design Build (HDB) https://www.hamiddesignbuild.com/	Hamid Heidarali	Holistic design, building envelope design, airtightness, problem solving rooted in applied building science principles, achieving a continuous air barrier..	Dynamic, engaging, innovative presenter. BCIT guest instructor. Designed and built CEA’s East-Kootenay based, mobile wall, roof and below-grade assemblies.
Thermal Environmental Comfort Association (TECA) https://www.teca.ca/	David Hill (+)	Safe, efficient, comfortable heating, cooling and ventilation system installation in the residential sector.	Multiple in-depth online courses available. An introductory, practical presentation of HVAC system considerations for builders/contractors can be valuable
E3 Eco Group	Einar Halbig	Provides Building Science for New Homes training and Energy Advisor training, and serves as the Chair of the CHBA BC Technical Advisory Committee.	Engaging, knowledgeable presenter.
Enerlytics Building Performance www.enerlytics.ca	Niels Anthonen	BC Energy Step Code overview and metrics, energy modelling, working with an Energy Advisor, house-as-a-system approach	Engaging, knowledgeable presenter.



Building A Legacy

Building local knowledge, opportunity, and capacity



Organization	Facilitator/ Instructor	Expertise	Notes
RDH Building Science https://www.rdh.com/	James Bourget Torsten Ely tely@rdh.com	Step Code overview and metrics, energy modelling, working with an Energy Advisor, applied principles of building science	Dynamic, energetic, knowledgeable, practical presenter. BCIT guest instructor.
BC Institute of Technology	Alexandre Hebert Alexandre_Hebert@bcit.ca Mary McWilliam mmcwilliam3@bcit.ca	BC Energy Step Code overview and metrics, house-as-a-system processes, achieving airtightness, high performance building techniques and materials	Professionally shot live webinars in the building lab to demonstrate mock-ups during instruction.
Vancouver Island Real Estate Board, Real Estate Energy Efficiency Program https://www.vireb.com/reep	Jenn Houtby-Ferguson- REEP Coordinator	Step Code and energy efficiency training, specifically for Realtors	The Real Estate Association of BC is developing online energy efficiency training for its members, for release in 2021.
Building Safety and Standards Branch (BSSB), BC Public Service	Zachary May Scott Williams building.safety@gov.bc.ca	Step Code rationale and metrics, how it relates to the Building Code, compliance and enforcement mechanisms.	Can be advantageous for local government staff and BO's to engage directly with the regulator.
Pelican Consulting https://pelicanconsulting.ca/about/	Alison Conroy	Building envelope design, occupant health and comfort and energy efficiency consultation and modeling.	Engineer and Energy Advisor based in Prince George. BCIT guest instructor
Elemental Energy Advisors Ltd. https://www.alignable.com/black-creek-bc/elemental-energy-advisors-ltd	Cristi Sacht cristi@elementalenergyadvisors.ca	Energy advisor, integrated design process facilitator. Practical construction of energy efficient, high performance homes.	Experienced and knowledgeable. BCIT guest instructor.