

Job Summary

Aqua-Coast Engineering is looking for an experienced Energy Advisor (EA) to join our growing Energy and Sustainability team. The main role of the successful candidate includes performing Full Building Energy Modelling and Airtightness Testing on Multi-Unit Residential projects throughout B.C.

Aqua-Coast Engineering is a locally owned professional engineering firm with offices in Delta and Kelowna, BC. We specialize in building enclosure consulting, energy and sustainability consulting for the residential and commercial construction industry throughout British Columbia. Aqua-Coast is a successful and growing company providing practical solutions for our ongoing clients.

Primary responsibilities of this position will include:

- Assist clients with the identification of applicable energy requirements for code compliance (i.e. BC Building Code, Vancouver Building By-law)
- Complete energy modelling for new and existing homes in HOT2000 for different programs such as EnerGuide Rating System, 9.36.5 and BC Energy Step Code
- Complete and deliver applicable EnerGuide Rating Systems documentation for Basic Service and Additional Services
- Undertake mid-construction and final home evaluation according to applicable protocols (i.e. ERS, Step Code, VBBL, CoV Rezoning)
- Conduct mid-construction and final Airtightness Testing and prepare Airtightness Reports accordingly

Secondary responsibilities may include:

- Support Part 3 Energy Modellers with tasks required to perform whole-building energy simulations in compliance with NECB, ASHRAE 90.1 and CoV Energy Modelling Guidelines
- Create building geometry in IES-VE based on Architectural CAD files and SketchUp models
- Assist with the preparation and execution of Large Buildings Airtightness Tests
- Evaluate new Request for Proposals (RFP's) and prepare new proposals for our clients

Necessary skills:

- Candidate to be currently registered as an Energy Advisor with a Service Organization
- Knowledge in the fields of building science, general construction practices and House-as-a-System concept
- Experience with HOT2000
- Experience with advanced building energy modelling tools (eQUEST and IESVE) is considered an asset

- Good understanding of BC Energy Step Code and Zero Emissions Building Plan
- Experience with Airtightness Testing procedures and air-leakage data collection
- Strong understanding of mechanical systems design and installation
- AutoCAD and SketchUp experience considered an asset
- Strong communication skills; both verbally and technical writing
- Proficient with Microsoft Office programs.
- Familiarity with other Building Science software such as COMCheck, WUFI, THERM, etc. is an asset.
- Familiarity with Green Building and Energy Efficiency standards such as LEED, Passive House, Built Green, City of Vancouver Rezoning Policy
- Valid drivers license

Minimum required education

- Registered Energy Advisor
- University degree or college diploma in Building Science or related field is required

Aqua-Coast is offering a competitive salary depending on the right candidate with experience and required qualifications. We offer an extended health benefits program after 3-month probation.

For further information about our company, visit our website at www.aqua-coast.ca.
Job Types: Full-time, Permanent

COVID-19 precautions

- Remote interview process
- Social distancing guidelines in place
- Virtual meetings
- Sanitizing, disinfecting, and cleaning procedures in place