



ENGINEERS &
GEOSCIENTISTS
BRITISH COLUMBIA

INNOVATION IN SUSTAINABILITY AWARD TERMS OF REFERENCE

The Engineers and Geoscientists BC *Innovation in Sustainability Award* recognizes the leadership roles engineering and geoscience professionals play in environmental protection and environmental enhancement, developing solutions to address a changing climate, and seeking to realize sustainable outcomes.

The Innovation in Sustainability Award celebrates ethics, imagination, and innovation; it will be granted to a project that has demonstrated a commitment to the environment and climate change and has exemplified one or more of Engineers and Geoscientists BC's Sustainability Guidelines (refer to summary in Appendix B).

The Innovation in Sustainability Award is designed to increase registrant awareness of and promote the current knowledge of sustainability and excellence in environmental engineering / environmental geoscience, which includes proactive management of issues such as adaptation to climate change, environmental protection and enhancement, reduction of greenhouse gas (GHG) emissions, and exceeding regulations in achieving sustainable outcomes.

One award may be granted annually.

PURPOSE

The Innovation in Sustainability Award will serve the following purposes:

- Highlight Engineers and Geoscientists BC's commitment to climate action as an integral aspect of achieving sustainable outcomes, and promote the positive effects of the practices of environmental engineering and environmental geoscience
- Educate and raise awareness of sustainability principles by showcasing the contributions / impacts of the winning project via the organization's communication channels.
- Raise the profile of projects incorporating the Sustainability Guidelines/concepts, particularly those related to environmental protection, innovative solutions, GHG reductions, and achieving favorable climate outcomes.

ELIGIBILITY CRITERIA

1. The award is open to any project (or portion of a multi-disciplinary project) that has demonstrated a commitment to protection of the environment or action on climate change using innovative solutions.
2. Project nominations must demonstrate the significant involvement of registrants of Engineers and Geoscientists BC as key contributor(s) to the project. Engineers and Geoscientists BC registered professionals can be individual members or part of a multidisciplinary team that includes other professional engineers, professional geoscientists, and/or members of other professions. If the

project is submitted by a firm, the firm must be registered with Engineers and Geoscientists BC and hold a Permit to Practice.

3. Projects must show innovation in an approach, process, or procedure related to protection of the environment or action on climate change.
4. Projects may be completed, under construction/development or may be at a state where detailed design has been completed. Projects under development should be sufficiently complete to demonstrate success.
5. Innovative research projects, studies, or public policy development that has a transformational effect in advancing sustainability may be considered for the award.
6. Projects must have been initiated within the preceding five (5) years.

NOMINATION PROCEDURES

In order to facilitate receiving a significant number of nominations, Engineers and Geoscientists BC requests an initial, one-page submission for preliminary review of submissions.

Each nominator should submit a one-page summary of the project, using the application form in Appendix A, for review by the Award Sub-Committee consisting of members from the Sustainability Advisory Group, Climate Change Advisory Group, and the Environmental Professionals Division.

Shortlisted applicants from the initial review will be contacted to submit a full nomination package.

A full nomination submission must be in electronic format, not exceed ten (10) pages, and consist of the following:

1. A written description of not more than five (5) pages, that clearly describes the project, the involvement of Engineers and Geoscientists BC professionals in the project, and the reasons it qualifies for the Innovation in Sustainability Award. The written submission must clearly indicate the lead professional engineer, professional geoscientist, or professional licensee. Submissions on behalf of a firm or organization must indicate a lead individual who will accept on behalf of the firm. The owner/client of the project must also be clearly identified in the submission.
2. Confirmation that all participant organizations, regulatory authorities, sponsors and other key individuals involved in the project are aware of the nomination submission and the project owner's written approval for the release of information.
3. Colour photographs, illustrations, or drawings as necessary.
4. Additional supporting information provided at the nominator's discretion, including: copies of relevant report(s), specifications and/or performance data.

Nominations should be submitted in PDF format via email. Photos may be included as .jpg or .gif files or embedded in the document. Hard copies are not required.

Nominations may be submitted to the Engineers and Geoscientists BC by email at awards@egbc.ca

APPLICATION TIMELINE

Application deadline for the one (1) page initial submission.	February 28
Applicants notified to submit full submission.	Mid-March

Application deadline for the full submission.	First Friday in April
Award sub-committee to review award submissions.	May
Award winner notified.	June / July
Award presented by Engineers and Geoscientists BC	October

SELECTION CRITERIA AND PROCESS

The Award Sub-Committee will review the nominations and advise Council, through the Standing Awards Advisory Group, on its selection based on criteria that include, but are not limited to, the following:

- Presentation of the submission package
- Innovation in an approach, process, or procedure related to protection of the environment or action on climate change (without regard to project size).
- Project integration of considerations related to the social and economic pillars of sustainability (see Appendix A and Appendix B for details) will be considered.
- The comprehensive nature of the project as it pertains to the recognition of potential environmental impacts and application of appropriate mitigation measures.
- Demonstrated success of the project.
- Best overall sustainability concepts embodied by a project and best use of the Sustainability Guidelines in a project
- Extent of public and other stakeholder consultation and consideration in the project, as appropriate for the project submitted.

The Award Sub-Committee will select the award recipient by majority vote. Award Sub-Committee members working for an applicant company will not be eligible to participate in the evaluation of submissions. The Award Sub-Committee will seek follow up information on nominations, if and where required.

The Award Sub-Committee reserves the right, after reviewing all applications, to determine whether or not an award is to be given.

NOTIFICATION OF WINNERS

The winner(s) will be notified by email in June/July and the award will be presented in October.

By provision of final submissions, the submitting organizations agree that Engineers and Geoscientists BC may advertise the award winner, and any awards of merit, through Engineers and Geoscientists BC's communications channels and in the media at the discretion of Engineers and Geoscientists BC.



ENGINEERS &
GEOSCIENTISTS
BRITISH COLUMBIA

APPENDIX A: INNOVATION IN SUSTAINABILITY AWARD APPLICATION FORM

Project Name:			
Location:			
Project Owner:			
Lead Consultants (where applicable):			
Lead Engineers and Geoscientists BC Professional(s):			
Permit to Practice Number of Applicant Firm:			
Project Status:	<input type="checkbox"/> Completed Year completed:	<input type="checkbox"/> Under Construction	<input type="checkbox"/> Detailed Design
Project Description:			
Area(s) of practice that the project involves:			
<input type="checkbox"/> GHG Emissions Reductions	<input type="checkbox"/> Climate Adaptation Considerations		
<input type="checkbox"/> Low Carbon Resilience/Green Infrastructure	<input type="checkbox"/> Air quality management		
<input type="checkbox"/> Alternative/Active Transportation	<input type="checkbox"/> Waste Reduction / Waste Management		
<input type="checkbox"/> Renewable Energy (e.g., solar, wind, biogas)	<input type="checkbox"/> Resource Use Efficiency or Reduction		
<input type="checkbox"/> Water Management (e.g. drinking water, wastewater, groundwater or stormwater management)	<input type="checkbox"/> Contaminated Sites Remediation / Reclamation		
<input type="checkbox"/> Ecological/Habitat Management	<input type="checkbox"/> Nature based solutions		
<input type="checkbox"/> Other:			

Sustainability guideline(s) implemented: #
Identify implementation of Equity Diversity and Inclusion (EDI) guidelines, and linkages to United Nations Sustainable Development Goals (UNSDGs).
Describe:
Achieved/proposed impacts of the project:

APPENDIX B: SUMMARY OF THE SUSTAINABILITY GUIDELINES

Excerpt from the Professional Practice Guidelines – Sustainability, V1.1

Link: <https://www.egbc.ca/getmedia/91beda29-ad6f-4a6f-b302-ac60de0bab40/APEGBC-Sustainability-Guidelines.pdf.aspx>

Within their scope of professional practice, Engineers and Geoscientists BC professionals have a responsibility to:

GUIDELINE 1: MAINTAIN A CURRENT KNOWLEDGE OF SUSTAINABILITY

Maintain a level of competence on matters of sustainability related to the Engineers and Geoscientists BC professional's area of expertise and seek additional expertise as necessary. The knowledge, concepts and opportunities for sustainable solutions are rapidly evolving and Engineers and Geoscientists BC professionals should strive to keep skills up to date and advance the understanding of sustainability in their field of practice.

GUIDELINE 2: INTEGRATE SUSTAINABILITY INTO PROFESSIONAL PRACTICE

Integrate sustainability considerations into professional practice, reflecting the Engineers and Geoscientists BC Code of Ethics' requirements to hold paramount the safety, health and welfare of the public and the protection of the environment. Engineers and Geoscientists BC professionals must consider the combined environmental, social and economic aspects that take into account the direct and indirect impacts over the full project life-cycle.

GUIDELINE 3: COLLABORATE WITH PEERS AND EXPERTS FROM CONCEPT TO COMPLETION

At key stages of the project life-cycle, collaborate with peers and experts across disciplines to identify appropriate alternatives and new opportunities for sustainable results.

GUIDELINE 4: DEVELOP AND PREPARE CLEAR JUSTIFICATIONS TO IMPLEMENT SUSTAINABLE SOLUTIONS

Discuss opportunities and document decisions made related to the integration of environmental, social and economic metrics. These discussions should occur early enough to enable the client or employer to make informed decisions about how to implement an appropriate level of sustainability considerations in the task or projects, products, processes, or systems.

GUIDELINE 5: ASSESS SUSTAINABILITY PERFORMANCE AND IDENTIFY OPPORTUNITIES FOR IMPROVEMENT

Identify opportunities to improve knowledge and professional practice related to sustainability, where best practice is to assess actual performance of implemented solutions against the original design goals and metrics.