



CANADIAN CONSULTING ENGINEERING AWARDS 2010

INFORMATION & ENTRY RULES

The Canadian Consulting Engineering Awards are given to projects that demonstrate a high quality of engineering, imagination and innovation. Now in their 42nd year, the awards are the most prestigious mark of recognition for consulting engineers in Canada.

The awards are a joint program of the Association of Consulting Engineering Companies (ACEC) and Canadian Consulting Engineer magazine.

GENERAL

The judges are selected every year by a panel of eminent Canadian engineers who are not employed in the consulting engineering business sector.

Judging of the submissions will take place in mid-June and you will be notified soon afterwards whether or not your firm has won an award.

- Schreyer Award. This is the highest honour and is presented annually to the best technical entry.
- Tree for Life Award (Prix Un Arbre à Aimer). This award is given annually to a project that demonstrates outstanding environmental stewardship. The award chosen from projects entered in all categories.
- Awards of Excellence. Up to 10 Awards of Excellence will be given at the judges' discretion

The award winning projects will be presented at a celebration dinner in Ottawa. They will be featured in the October-November special awards issue of *Canadian Consulting Engineer*, and publicized to national and local media.

The awards are an unequalled opportunity to gain recognition for your firm and your employees. All entering firms are invited to submit display boards at the awards gala.

NOTE: These national awards are held independently of the provincial awards programs for consulting engineers and have different judging criteria.

In order to encourage candid deliberations during the judging process, the judges reserve the right to withhold explanations on their decisions for any project.

ELIGIBILITY

Entries must conform to the following requirements.

- An entry must be the work of at least one person who is licensed by a professional engineering association and who is an owner or employee of a firm in good standing with the Association of Consulting Engineering Companies (ACEC). (Firms who are members of their provincial association of consulting engineers are generally automatically members of ACEC. Check with ACEC at 1-800-565-0569 if in doubt.)
- Joint entries are permitted as long as one of the entering firms is an ACEC member.
- Projects entered must have been completed in the period from January 1, 2007 to December 31, 2009. In the case of ongoing projects, only the phase(s) already completed by the cut-off date can be entered for consideration.

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- Entered projects must not have been submitted previously in this program.
- Submission of entries must be approved by (a) the owner of the project, and (b) the entering firm's client (if not the same as the project owner).
- Projects on which the entering firm acted as a sub-consultant are eligible.
- Entering firms must indicate clearly the scope of work in the project for which they were responsible.
- There is no limitation or restriction on project size or location.
- Entries may be submitted in French or English.

MATERIAL TO BE SUBMITTED

Please read carefully.

STAGE 1 - TUESDAY, MARCH 30, 2010:

A. Notice of Intention to Enter a Project

- B. Entry Fee of \$235.00 + GST \$11.75.** Make cheques payable to Canadian Consulting Engineer. The fee is non-refundable. However, a substitute project can be submitted at Stage 2 if necessary.

STAGE 2 - TUESDAY, MAY 4, 2010:

A. Official Entry Form & Project Entry Binder

The Project Entry should consist of an 8-1/2" x 11" loose-leaf binder of printed information. Only one copy is required.

The Project Entry binder must include (in this order):

- (i) **Official Entry Form.** The form must be signed by the project owner and client. The Official Entry form will be forwarded to you upon receipt of the Notice of Intention to Enter a Project.
- (ii) **2-Page Project Highlights.** This is the most important part of the submission. It will be forwarded to the members of the jury before the judging for preview purposes. The description should outline all the important accomplishments of your project, especially the technical innovations and details of how extraordinary challenges were overcome. Use no graphics. Avoid point forms. Use plain white background. The name of the project should appear as a header on both pages.
- (iii) **Full Project Description.** Gives full details, photographs, drawings etc. on the project. Letters of satisfaction from clients are welcome. Number of pages is not specified, but 30 pages is the recommended maximum.

B. Electronic Project Summary Form

Complete the Electronic Project Summary Form. This form will be e-mailed to you on receipt of your Notice of Intention to Enter, and will also be available at www.canadianconsultingengineer.com/awards

The form requires you to identify the official firm name(s) to be used for national publication, and the project name. It also asks you to describe the project in 60 WORDS MAXIMUM. This information will be used to describe the project at the awards presentation dinner as well as any ACEC publications.

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Association of Consulting Engineering Companies-Canada
Association des firmes d'ingénierie-conseils-Canada

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NOTE - A CLEAR AND ACCESSIBLE WRITING STYLE IS REQUIRED

One of the objectives of the Canadian Consulting Engineering Awards is to showcase the importance of consulting engineering to the broader public. Your submission may be used to publicize and promote the consulting engineering sector. Consequently a clear, and accessible writing style is extremely important in all aspects of your submission.

Send all the above to:

Bronwen Parsons, Editor, Canadian Consulting Engineer magazine, 12 Concorde Place, Suite 800, Toronto, Ont., M3C 4J2. Tel. (416) 510-5119, Fax (416) 510-5134. E-mail bparsons@ccemag.com.

To access forms on-line, visit www.canadianconsultingengineer.com/awards



CANADIAN CONSULTING ENGINEERING AWARDS 2010

JUDGING CRITERIA

Awards are given according to the judges' discretion. Because the number of entries in each category may vary widely, the jury may choose to give more than one award per category, or none in a category at all. We also reserve the right to move a project into a different category to the one in which it was entered, if deemed appropriate.

In order to encourage candid deliberations during the judging process, the judges reserve the right to withhold explanations on their decisions for any project.

TECHNICAL CATEGORIES

A. Buildings

Includes structural, electrical, mechanical, communications, seismic, life-safety, geotechnical and all other services done for the construction of commercial, institutional and residential buildings and complexes.

B. Transportation

Bridges, roads, airports and airport terminals, transit lines and stations, ports, etc. Includes all facilities in these sectors.

C. Water Resources

Dams, water and wastewater infrastructure, water supply/treatment plants, erosion control, stormwater management. Includes all facilities in these sectors.

D. Environmental Remediation

Contaminated site clean-ups, solid-hazardous waste handling and treatment, environmental assessment studies, other special environmental remediation projects.

E. Natural Resources, Mining, Industry & Power Generation & Distribution.

Engineering for any of the above sectors. Includes all facilities in these sectors, including plant buildings, process engineering, etc.

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F. Special Projects.

Includes any projects that do not fit into a category above; for example, studies, software, non-design engineering and mega-projects of a comprehensive scope.

All entries in the Technical Categories A-F above will be judged on evidence of a high quality of engineering, having due regard for imagination and innovation. The project's complexity and success in overcoming extraordinary circumstances will be considered, as well as its social, economic, and environmental benefits. Meeting the client's budget and schedule is also taken into account.

Note that the Environmental category (Category D) is meant for strictly environmental remediation projects and should not be used for civil or other projects that include an environmental component. It is expected that all projects will be conducted with awareness and consideration of their environmental impact, and that the environment will be protected or improved whenever possible.

See Judging Criteria marking scheme, Page 6.

OTHER CATEGORIES

G. Project Management

Recognizes consulting engineers' skills in managing and coordinating services on a client's project. See Judging Criteria marking scheme, page 7.

H. International

Recognizes an engineering project or other initiative outside Canada that has brought social/economic/environmental benefits to the other country, and /or that has furthered the transfer of Canadian technology and business. See Judging Criteria marking scheme, page 8.

I. Community Outreach and In-House Initiatives

Recognizes a firm's contributions and services for the community, or its in-house management programs for improving efficiency, profitability, staff training, etc. See Judging Criteria marking scheme, page 9



JUDGING CRITERIA

TECHNICAL - CATEGORIES A-F

<i>Guidelines for judging</i>	<i>Definition of Guidelines</i>	<i>Weight</i>
New application of existing techniques/ originality/innovation	<ul style="list-style-type: none">• Does the entry represent some kind of breakthrough in technology or science?• Does the entry represent a unique mix of different techniques, materials or equipment?• Does the entry advance the state of the engineer's art and skills?	40 %
Complexity	<ul style="list-style-type: none">• Does the entry involve very complex criteria or types of problems?• Were extraordinary problems of site, location, hazardous conditions present?	20 %
Environmental Impact	<ul style="list-style-type: none">• Does the entry provide environmental benefits? For example -• Does it conserve energy and have a low carbon footprint?• Does it conserve or improve land, restore or improve air quality, water systems, ecosystems, etc.?	15 %
Social and economic benefits	<ul style="list-style-type: none">• Does the entry provide any social or economic benefits?• Are additional benefits realized as a spin-off?	15 %
Meeting and exceeding owner's/client's needs	<ul style="list-style-type: none">• Is it an economical and cost-effective solution?• How did final cost relate to original budget estimate?• How closely does the solution meet the overall goals of the owner/client?• Did the entrant meet the client's schedule?	10 %



PROJECT MANAGEMENT - CATEGORY G

<i>Guidelines for judging</i>	<i>Definition of Guidelines</i>	<i>Weight</i>
Complexity	<ul style="list-style-type: none">• Does the entry involve very complex criteria or types of problems?• Were extraordinary problems of site, location, and other difficult conditions present?	40 %
Meeting and exceeding owner's/client's needs	<ul style="list-style-type: none">• Is it an economical and cost-effective solution?• How did final cost relate to original budget?• How closely does the solution meet the overall goals of the owner/client?• Did the project meet the client's schedule?	25 %
Environmental Impact	<ul style="list-style-type: none">• Does the entry provide environmental benefits? For example:• Does it conserve energy and have a low carbon footprint?• Does it conserve or improve land, restore or improve air quality, water systems, ecosystems, etc.?	15 %
New application of existing techniques/ originality/innovation	<ul style="list-style-type: none">• Does the entry represent some kind of breakthrough in technology or science?• Does the entry represent a unique mix of different techniques, materials or equipment?	10 %
Social and economic impact	<ul style="list-style-type: none">• Does the entry provide any advancement of social or economic benefits?	10 %



INTERNATIONAL - CATEGORY H

<i>Guidelines for judging</i>	<i>Definition of Guidelines</i>	<i>Weight</i>
Social and economic impact	<ul style="list-style-type: none">• Does the project provide any advancement of social or economic benefits to the other country? Are these benefits felt at all levels (i.e. local and regional)?	30 %
Technology transfer	<ul style="list-style-type: none">• Does the project contribute to the transfer of new and useful Canadian technology and know-how to the other country?	30 %
Environmental Impact	<ul style="list-style-type: none">• Does the entry provide environmental benefits to the other country? For example:• Does it conserve energy and have a low carbon footprint?• Does it conserve or improve land, restore or improve air quality, water systems, ecosystems, etc.?	15 %
Complexity	<ul style="list-style-type: none">• Did the project involve very complex criteria or types of problems?• Were extraordinary problems of site, location, or other difficult conditions present?	15 %
Meeting and exceeding owner's/ client's needs	<ul style="list-style-type: none">• Is it an economical and cost-effective solution?• How did final cost relate to original budget estimate?• Did the entrant meet the client's schedule?	10 %



COMMUNITY OUTREACH - CATEGORY I

<i>Guidelines for judging</i>	<i>Definition of Guidelines</i>	<i>Weight</i>
Benefits to the community	<ul style="list-style-type: none"> • Did the project alleviate suffering, promote social awareness, educate, provide jobs, etc.? 	40 %
Degree of effort	<ul style="list-style-type: none"> • Does the project represent a significant donation of time/energy/expense/dedication by the firm and its employees? 	35 %
Environmental Impact	<ul style="list-style-type: none"> • Does the project provide any environmental benefits to the community (preserve land, clean water, air, environmental awareness, etc.)? 	15 %
Complexity	<ul style="list-style-type: none"> • Did the project overcome extraordinary challenges and problems? 	10 %

IN-HOUSE INITIATIVES - CATEGORY I

<i>Guidelines for judging</i>	<i>Definition of Guidelines</i>	<i>Weight</i>
Benefits to firm	<ul style="list-style-type: none"> • Does the project bring improvements in efficiency, profitability, etc. to the firm? 	30 %
Originality/innovation	<ul style="list-style-type: none"> • Does the project involve new methods or extraordinary expertise? 	30 %
Benefits to employees	<ul style="list-style-type: none"> • Does the project help staff in their professional development, personal gratification, financial rewards, etc.? 	25 %
Environmental Impact	<ul style="list-style-type: none"> • Does the project provide any environmental benefits to the community (preserve land, clean water, air, environmental awareness, etc.)? 	15 %