



# M E M B E R S H I P A P P L I C A T I O N

*All information contained in this application is confidential.*

## 1. IDENTIFICATION

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Postal Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail Address \_\_\_\_\_ Web Page Address \_\_\_\_\_

Firm's APEGA 'Permit to Practice' Number \_\_\_\_\_

### Subsidiaries/Permanent Affiliates

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Postal Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

## 2. CEA MEMBERSHIP

In 1978, the Consulting Engineers of Alberta was registered as an industry association, making CEA the official voice for the consulting engineering industry in Alberta. In June 1992, the Consulting Engineers of Alberta Act was passed in the Alberta Legislature. This act confers the right to use the title "Member of Consulting Engineers of Alberta" (MCEA) exclusively to the members of CEA.

## 3. MEMBERSHIP CRITERIA

Each applicant for membership in CEA must satisfy the criteria stipulated in the Consulting Engineers of Alberta Act and Regulations and CEA Bylaws.

- i. A partnership or other association of persons or a corporation that holds a Permit to Practice from the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
- ii. Operate a business offering one or more of the services listed in Schedule 'A' (page 2).
- iii. Maintain permanent facilities and have employees in Alberta, managed by one or more professional engineers.

<b>TABLE A</b>		<b>TABLE B</b>	
Category	# of Personnel	Total Personnel	# of Voting Reps
# of Engineers:	_____	4 or less.....1	101 - 200.....5
# of Technicians:	_____	5 - 20.....2	201 - 300.....6
# of Support/Admin:	_____	21 - 50.....3	301 - 400.....7
# of Other Employees:	_____	51 - 100.....4	over 400.....8
TOTAL:	_____		

**4. VOTING REPRESENTATION**

Representative	Position	Location (City)	Email Address
1. _____			
2. _____			
3. _____			
4. _____			
5. _____			
6. _____			
7. _____			
8. _____			

**5. BUSINESS VOLUME**

To intensify CEA's lobbying and marketing power, it is important to identify the total volume of business generated by our industry. This information is confidential and will be used for the sole purpose of determining total industry billings.

Your company's gross billings during the most recent fiscal year were:

Alberta Projects	Other Canadian Projects	Foreign Billings	Gross Billings
\$ _____	\$ _____	\$ _____	\$ _____

**6. FIRM PROFILE**

Please enclose a copy of your firm's profile with this application.

**7. SERVICES OFFERED**

Please check, on the attached form, applicable services offered by your firm.

**Schedule 'A'**

<input type="checkbox"/> Feasibility Studies	<input type="checkbox"/> Procurement	<input type="checkbox"/> Training
<input type="checkbox"/> Cost Estimating	<input type="checkbox"/> Contract Administration	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Conceptual Design	<input type="checkbox"/> Inspection	<input type="checkbox"/> Advisory Services
<input type="checkbox"/> Analysis	<input type="checkbox"/> Project Management	<input type="checkbox"/> Expert Witness
<input type="checkbox"/> Specifications	<input type="checkbox"/> Commissioning	<input type="checkbox"/> Research & Development
<input type="checkbox"/> Testing	<input type="checkbox"/> Detailed Design	

**8. OFFICE(S) IN ALBERTA**

Our firm maintains the following permanent office(s) in Alberta. (Use additional sheets, if required).

Address \_\_\_\_\_  
City \_\_\_\_\_ Postal Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Address \_\_\_\_\_  
City \_\_\_\_\_ Postal Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Address \_\_\_\_\_  
City \_\_\_\_\_ Postal Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

Address \_\_\_\_\_  
City \_\_\_\_\_ Postal Code \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_

**9. EXPERIENCE**

Our firm has \_\_\_\_\_ years operating experience in consulting engineering.

**10. PROFESSIONAL ENGINEERS EMPLOYED**

Name(s) of Professional Engineer(s) employed by the firm in Alberta who has (have), after registration, more than five years experience in consulting engineering.

Name	APEGA Registration #	Address	City
_____			
_____			
_____			
_____			
_____			

**11. CODE OF ETHICS**

The firm will abide by the Code of Consulting Engineering Ethics, attached.

**12. DECLARATION**

The undersigned, as the Responsible Engineer for, \_\_\_\_\_ certifies the information contained in this Membership Application is correct, and that the firm is in compliance with the Membership Accreditation Criteria and the CEA Code of Consulting Engineering Ethics.

Print Name of Responsible Engineer: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Please mail, email or fax completed forms to: Email: [info@cea.ca](mailto:info@cea.ca)  
Consulting Engineers of Alberta #2160, 10123 99th Street Edmonton AB T5J 3H1 Fax: 780-424-5225



# Areas of Specialization

## AEROSPACE

- Aerospace

## AGRICULTURE

- Agricultural Engineering/ Agrology
- Agricultural Environment Organic Waste Disposal in Rural Areas
- Drainage Studies/ Surveys
- Draining & Irrigation Systems/ Networks
- Farm Buildings
- Farm Machinery & Equipment
- Farmland Resources: Surveys & Improvement Works
- Food Processing & Storage
- Grains & Feeds: Drying, Cleaning, Handling, Processing & Storage
- Irrigation
- Land Drainage
- Nutrient Management
- Rural Planning & Development
- Water & Soil Conservation Engineering

## BUILDING SCIENCE

- Acoustics
- Architecture
- Building Code QP
- Capital Planning
- Ergonomics
- Fire Protection/Prevention
- Indoor Air Quality
- Inspections/Investigations
- Preliminary/Final Design
- Registered Code Agency
- Repair/Restoration
- Residential
- Roofing & Waterproofing
- Technical Audits
- Walls & Cladding
- Windows

## CHEMICAL ENGINEERING

- Desalination
- Food Processing
- Plastics
- Process Design
- Synthetic Fibres

## COMMUNICATIONS/

## TELECOMMUNICATIONS

- AM/FM Broadcasting
- Data Transmission Systems
- Fibre Optics
- Program Production Facilities
- Terrestrial & Satellite Links
- TV & CATV
- Wireless Systems

## COMPUTER SCIENCE

- Client/Server
- Computational Mechanics
- Controls
- Database Management
- Ergonomics
- Internet/Intranet
- Process Automation
- Robotics
- Software Development

## ELECTRICAL

- Alarm & Security Systems
- Building Codes QP
- Building Systems
- Energy Conservation
- Illumination & Lighting
- Motors & Generators
- Power Transmission & Distribution
- Registered Code Agency
- Residential

## ENERGY

- Biomass/Wood
- Coal Processing/Transportation
- Cogeneration
- District Heating & Co-Generation
- Electric Power Generation - Hydroelectric
- Electric Power Generation - Nuclear
- Electric Power Generation - Thermal
- Electric Power Systems Analysis
- Energy Conservation
- Oil & Gas Pipelines
- Oil & Gas Production/Storage/Distribution
- Oil & Gas Refineries/Processing Plants
- Solar Energy
- Steam Power Generation
- Wind Energy

## ENVIRONMENTAL

- Air Quality Management
- Environmental Assessments
- Environmental Litigation Support
- Environmental Site Assessments & Audits
- Groundwater Resources/Hydrogeology
- Industrial Hygiene & Safety
- Industrial Wastewater Treatment
- Laboratory & Treatability Studies
- Mould Studies
- Noise & Vibration
- Record of Site Condition
- Risk Assessment
- Solid/Hazardous Waste Management
- Surface Water Resources
- Underground Storage Tank Management

## EXPORT

- Africa (East)
- Africa (North)
- Africa (South)
- Africa (West)
- Asia - SE
- Australia
- Caribbean
- Central America
- China
- Europe (East)
- Europe (North)
- Europe (West)
- Indian Subcontinent
- Japan
- Mexico
- Middle East
- New Zealand
- Polar Regions
- Polynesia
- Russian Federation
- South America
- United States

## FISHERIES

- Fish By-products: Processing
- Fish Processing/Storage
- Fishery Resources: Evaluation, Development, Operations, Aquaculture
- Fishing Vessels Gear/Equipment
- Marine Biology & Oceanography
- Monitoring, Control & Surveillance (MCS)
- Naval Architecture & Boat Construction
- Remote Sensing

## FORENSIC

- Accident Reconstruction
- Cladding Failures
- Electrical/Mechanical Failures
- Fire & Explosions
- Investigation & Settlement of Claims
- Process Support Facilities
- Product Failures & Liability
- Structural Failures
- Wind & Water Damage

## FORESTRY

- Building Materials: Plywood, Lumber Manufacturing, etc.
- Forest Harvesting
- Forestry
- Forestry Engineering
- Pulp, Paper, & Fiber Board
- Pulp/Paper Plants, Products
- Timber Engineering
- Timber Grading, Wood Species Identification, Wood Damage Assessment

## GEOTECHNICAL

- Earth Structures
- Foundations
- Laboratory Testing
- Site Investigations
- Soil & Rock Mechanics
- Soil Stabilization

## INDUSTRIAL

- Ergonomics
- Hydraulic Engineering
- Machine Design/Analysis
- Manufacturing Facilities
- Materials Handling
- Materials Storage
- Plant Maintenance
- Product & Process Design
- Prototyping & Product Development
- Time Motion Studies
- Transportation/Automotive Equipment

## MARINE & COASTAL

- Erosion Protection
- Marinas
- Ports & Terminals
- Underwater Surveys
- Waterfront Planning

## MATERIALS

- Analysis
- Corrosion Control & Remediation
- Design & Selection
- Quality Issues
- Specifications & Manuals
- Testing & Certification
- Welding

## MECHANICAL

- Building Code QP
- Computational Fluid Dynamics
- Computer Aided Engineering
- Cranes & Derricks
- Finite Element Analysis
- Fire Protection Systems
- Heating, Ventilation & A/C
- Machine Design
- Plumbing & Piping
- Refrigeration
- Registered Code Agency
- Residential
- Software Development

## MEDIATION

- Mediation & Alternative Dispute Resolution

## MINING ENGINEERING

- Blasting Control
- Iron & Steel Works - Rolling/Casting/ Forging, etc
- Metallurgy Extractive - Ferrous Metals
- Metallurgy Extractive - Non-Ferrous Metals
- Metals/Minerals/Ore Dressing
- Non-Ferrous Metals - Fabricating/Rolling/ Forging/Casting/Extruding etc.
- Open Pit/Underground Mining

# CEA Code of Consulting Engineering Ethics

**Members of CEA shall fulfill their duties with honesty, justice and courtesy towards Society, Clients, other members of CEA and Employees.**

## MUNICIPAL

- Infrastructure Rehabilitation
- Residuals Management
- Roads & Streets
- Stormwater Management
- Wastewater Collection, Treatment & Disposal
- Wastewater Management
- Water Supply, Treatment & Distribution

## OCCUPATIONAL HEALTH

- Area Classifications - Electrical
- Area Classifications - Hazardous
- Area Classifications - Industrial
- Pre-Start Health & Safety Reviews

## PETROLEUM

- Acquisitions & Divestitures
- Evaluations
- Expert Witness
- Exploration
- Feasibility Studies
- Oil & Gas Production/Storage / Distribution
- Reservoir Engineering
- Well Test Analysis

## PLANNING

- Drainage Studies
- Industrial Parks
- Land Use
- Site Plans
- Subdivision Plans
- Urban & Rural Design

## PRESSURE VESSELS

- Design Modifications
- Process Piping Design

## PROJECT MANAGEMENT

- Buildings
- Construction Management
- Construction Quality Control
- Contract Administration
- Management of Design
- Other
- Procurement Management
- Project Control & Risk Management
- Related Management Services
- Sewers & Water
- Telecommunications
- Transportation
- Value Engineering

## RESEARCH

- Feasibility Studies
- Technology Assessment

## STRUCTURAL - BUILDINGS

- Commercial
- Foundations
- Highrise
- Industrial
- Inspections & Investigations
- Institutional
- Lowrise
- Parking Facilities
- Residential
- Restoration & Repair
- Seismic Retrofit

## STRUCTURAL - OTHER

- Bridges
- Bunkers & Silos
- Dams & Locks
- Nuclear
- Tanks & Shells
- Towers
- Tunnels

## SURVEYING

- Aerial Photography: Photogrammetry/ Photo Interpretation/Cartography
- Construction Layout Surveys
- Geographic Information Systems
- Remote Sensing/Satellite Data/ Interpretation/Imagery
- Resource Surveys
- Topographic Surveys

## TEMPORARY WORKS

- Excavation Enclosures
- Formwork
- Lifting & Moving
- Scaffolding
- Structural Shoring

## TRANSPORTATION

- Airports
- Highway & Road Safety
- Intelligent Transportation Systems
- Long Distance Rail
- Pavement Design
- Pavement Management Services
- Ports & Harbours
- Roads & Highways
- Terminals & Service Centres
- Traffic Engineering & Control
- Transportation Planning
- Urban Public Transit

## SOCIETY

1. Members shall practice their profession with concern for the social and economic well-being of Society.
2. Members shall conform with all laws, by-laws and regulations and with the APEGA Code of Ethics.
3. Members shall satisfy themselves that their designs and recommendations are safe and sound and, if their engineering judgment is overruled, shall report the possible consequences to clients, owners and, if necessary, the appropriate public authorities.
4. Members expressing engineering opinions to the public shall do so in a complete, objective, truthful and accurate manner.
5. Members are encouraged to participate in civic affairs and work for the benefit of their community and should encourage their employees to do likewise.

## CLIENTS

6. Members shall discharge their professional and business responsibilities with integrity.
7. Members shall accept only those assignments for which they are competent or for which they associate with other competent experts.
8. Members shall immediately disclose any conflicts of interest to their clients.
9. Members shall respect the confidentiality of all information obtained for and from their clients but shall deal appropriately with any matters which may place the public in jeopardy.
10. Members shall obtain remuneration for their professional services solely through fees commensurate with the services rendered.
11. Members shall promote consulting engineering services in accordance with a qualifications-based selection system endorsed by CEA.

## OTHER MEMBERS OF CEA

12. Members shall relate to other Members of CEA with integrity, and in a manner that will enhance the professional stature of consulting engineering.
13. Members engaged by a client to review the work of another Member of CEA, shall avoid statements which may maliciously impugn the reputation or business of that Member.
14. Members shall respect the clientele of other members of CEA and shall not attempt to supplant them when definite steps, including negotiations for an engagement, have been taken towards their engagement.
15. Members, when requesting professional engineering services from other consulting engineering businesses, including Members of CEA, shall promote the use of a qualifications-based selection system endorsed by CEA.

## EMPLOYEES

16. Members shall treat their employees with integrity, provide for their proper compensation, require that they conform to high ethical standards in their work and fully understand this Code of Consulting Engineering Ethics.
17. Members shall not require or permit their employees to take responsibility for work for which they are not qualified.
18. Members shall encourage their employees to enhance their professional qualifications and development through appropriate continuing education.