

CONSULTING ENGINEERS OF MANITOBA COMMITTEES & MANDATES

AWARDS COMMITTEE

Common Purpose:

1. Promote consulting engineers & their excellence of services to the general public and society at large, through
 - o Organizing Annual Awards of Excellence Gala Dinner
 - o Recognizing individual consulting engineers for the annual Life Time Achievement Award
 - o Recognizing individual consulting engineers for the annual Engineering Action award
2. Enhance relationship between consulting engineering firms and client base, through partnership as sponsors to the annual CEM Awards event
3. Enhance CEM member firms relationship with suppliers and contractors through their support in the Awards event
4. Enhance CEM relationship with Government decision-makers, APEGM, Faculties of Engineering and Science of the Universities of Manitoba
5. Cultivate relationship with other industries/disciplines e.g. insurance, architecture, construction and government organizations, etc.
6. Create profile of event in local news media
7. Non-profit operation in respect of staging annual Awards Gala Dinner.

GOLF COMMITTEE

Common Purpose:

To provide an enjoyable and rewarding experience for CEM members and their clients by organizing an annual golf tournament.

ENERGY, SCIENCE & TECHNOLOGY COMMITTEE

Common Purpose:

1. Background

The adoption of the name “**Energy, Science and Technology**” was intended to tie this committee to the responsibilities of the Provincial Government Ministry of Science, Technology, Energy & Mines, currently under the direction of Jim Rondeau.

As determined by the CEM Board, there are two areas of the Ministry of Science, Technology, Energy & Mines that do not fall under the EST Committee are:

- a) The Mining Sector.
- b) The Biotechnology Sector which includes biomedical devices, nutraceuticals, agribioproducts and pharmaceutical manufacturing.

Both of these sectors come within the scope of the Private Sector Committee.

The sectors identified to date that come within the mandate of the EST Committee are:

(i) Manitoba Hydro

Manitoba Hydro is a large client for consulting engineering services in all categories and hence continues to exist as a singular sector within the mandate of the EST Committee. The importance of Manitoba Hydro to the consulting industry is recognized by the annual reception with senior managers of Manitoba Hydro which is organized and conducted by the EST Committee, with the assistance of the Executive Director and the Board. The reception is normally held at the conclusion of a meeting between the CEM Board and the Executive Committee of Manitoba Hydro, which includes Hydro's President, Vice Presidents and Legal Council.

(ii) Communications & Information Technology Sector

This sector represents a growing component of the economy. It includes information technology (computer systems, local area networks, building cabling systems and software), telecommunications, and the broadcasting sector.

Organizations in Manitoba that are associated with this sector include the **IT Association of Manitoba (ITAM)** and the **Telecommunication Users of Manitoba Inc. (TUMI)**. Several CEM member firms address the telecommunications and broadcasting sector, while a number of CEM members would have interest in information technology.

(iii) Oil and Gas Sector

Husky, Shell and the Richardson's Tundra Oil have been identified as target clients in this area. Despite recent growth in this area, opportunities for local consulting firms appear to be restricted to environmental work.

(iv) Wind Energy Sector

The wind farm in the St. Leon area and initiatives by Manitoba Hydro in conjunction with the Ministry of Science, Technology, Energy & Mines to develop other wind farms in the Province underline the significant new role and potential growth in this sector.

(v) Other Green Energy Initiatives

Ethanol and bio-diesel fuel production is also a constituent of this sector, with the plant being built at Minnedosa together with several smaller plants in the planning stages or under construction representing clear evidence of the growth opportunities. Another promising future economic opportunity is the generation of hydrogen as the ultimate fuel of the future.

2. Objectives

The EST Committee Mandate is to promote the member firms of the CEM in the aforementioned market sectors while encouraging excellence and innovation in science and engineering - with emphasis on:

- tracking technological advancements and potential market opportunities in the fields of applied sciences and energy,
- promoting the expertise and utilization of CEM membership firms in these opportunities.

This mandate will be implemented in a manner consistent with guidance provided by the Association of Professional Engineers and Geoscientists of the Province of Manitoba.

Beyond the above mandate which focuses on improving the business environment for CEM member firms and their clients, there are three common, ongoing objectives for all CEM committees:

- Dedication to improving the image of Consulting Engineers
- Promotion of Qualification Based Selection (QBS)
- University liaison

FIRST NATIONS COMMITTEE

Common Purpose:

The Consulting Engineers of Manitoba (CEM) recognize the significance and importance of Indian and Northern Affairs Canada (INAC) as well as other government agencies in the process where our members provide services to First Nations. CEM wishes to explore with INAC ways in which our member firms can better provide services to the First Nations in Manitoba.

Objectives:

CEM wishes to explore procedures currently practiced with INAC, to enhance fairness in the tender system, direct cost to our members and ability to better understand the project needs.

Common Purpose:

The CEM Image Committee is charged with increasing the profile and enhancing the image of the business of Consulting Engineering in Manitoba as well as throughout Canada. This role includes the marketing and promotion of Consulting Engineering as a key consulting profession that is integral to the prosperity and high quality of life enjoyed in Manitoba. The committee's efforts are focused on clients, the general public, students of all ages and the local media. The Committee will develop its role to enhance and

demonstrate the benefits of engineering to the community, and shall also Endeavour to provide current and useful information on engineering-related matters as they arise in the public realm. Ongoing advocacy for our industry on behalf of CEM's member firms is also an important role for the Committee.

Initial Goals include:

- Continued Improvement and enhancement of existing tools – website, membership directory, conference displays, Career Fairs, National Engineering Week
- CEM Student Memberships and On-Campus CEM Student Liaison Program
- CEM's E-newsletter
- Development of more public information – including CD-ROMS, DVD, Podcasting content on CEM Business, QBS, How to Select a Consulting Engineer, etc.
- Liaison with CGA, MAA, College of Physicians and Surgeons and other local professional industry advocacy groups where appropriate.
- Launch of new CEM information content including:
 - Celebrating the History and Future of Engineering in Manitoba
 - Unveiling the often “invisible” network of Engineering Infrastructure throughout Manitoba
 - How consulting engineers are key participants and advisors in issues of high public interest, including: environmental issues (water treatment, flood control, climate change), high technology, bio-engineering innovation, hydro power development, etc.

INSTITUTIONAL COMMITTEE

Common Purpose:

To receive broad Policies and Objectives from the CEM Board of Directors and return strategies and recommendations to the Board; in relation to the *Institutional Sector*.

Where appropriate, establish contacts with groups or individuals within the *Sector* for more direct liaison.

Establish liaison with other CEM Committees, where appropriate, and other professional groups operating in this *Sector* to look for and establish synergies, or to give CEM and its members a broader view of issues and opportunities. Where appropriate, participate in CEM or Inter-Association Task Forces or Working Groups.

Field questions and comments from the *Sector*, and respond, where appropriate, in a manner consistent with CEM's Objectives and messaging. Or, where CEM Policy is required or is in question, turn such matters over to the Board of Directors for Action or direction.

Sector

It is the intent of this committee to focus attention of the CEM Board on the *Institutional* sector of consulting engineering interests. Most of these are governmental and typically involve other design professionals. A preliminary list of potential contact points includes:

- Manitoba Association of Architects
- Manitoba Health and associated Regional Health Authorities
- Public Works and Government Services
- Manitoba Transportation and Government Services (non-transportation)
- Post-Secondary Institutions (U of M, U of W, Brandon University, RRC)
- Department of National Defense
- Municipal and Civic School Boards and School Divisions (Public Schools Finance Board)
- Regional Development Agencies
- Building Owners and Managers (BOMA)
- Professional Property Managers Association (PPMA)
- City of Winnipeg Planning and Property Department (non-transportation)
- Department of Labour, Fire Commissioner
- Community Futures Development Corporations

This committee therefore will encompass the activities of two still-active Task Forces:

- **CEM / MAA University of Manitoba Task Force**
(Joint effort with MAA)
Garry Bolton, SMS Engineering Ltd.
- **Manitoba Health Task Force**
Garry Bolton, SMS Engineering Ltd.
- **CEM/MAA Government Services Task Force**
Garry Bolton, SMS Engineering Ltd.

PRIVATE SECTOR COMMITTEE

The purpose of the Private Sector Committee is to “*liaise and further relationships with client groups representing private sector clients and to facilitate their understanding of the role of consulting engineers and promote best practices in the selection of consultants, in keeping with CEM’s InfraGuide document*”.

TRANSPORTATION COMMITTEE

Common Purpose:

To promote the expertise and professional services of Manitoba engineering firms to that sector of the market involved with transportation services and infrastructure. The mandate includes the following goals:

- Promote the importance of transportation in the enhancement of the quality of life for all Manitobans.
- Communicate the image of transportation engineering consultants as vital, effective, and trustworthy resources to all sectors of the market.
- Promote and foster a cordial and trusting working relationship between all sectors of the market and the consulting community.
- Lobby for the selection of consultants to be based on quality rather than price.
- Assist clients in streamlining their consultant procurement and project management process.

WATER AND ENVIRONMENT COMMITTEE

Common Purpose:

To meet with Water and Environment based client groups to promote CEM values and identify opportunities for CEM members.

Target Audience / Client Groups:

- Manitoba Aboriginal & Northern Affairs (MANA)
- City of Winnipeg
- Manitoba Water Services Board (MWSB)
- Major Cities (Portage la Prairie, Brandon, etc.)
- Manitoba Water Stewardship
- Manitoba Conservation
- Conservation Districts
- Association of Manitoba Municipalities (AMM)
- PFRA
- Floodway Authority (MFA) - addressed under separate ad hoc committee.

YOUNG PROFESSIONALS COMMITTEE

Common Purpose:

To enhance the growth and evolution of the consulting engineering industry by promoting and empowering the development of Young Professionals' careers within the industry.

Goals:

1. Provide Young Professionals with a greater understanding of the consulting engineering business and CEM's role in it.
2. Provide networking, mentoring, educational, and career growth opportunities for Young Professionals.
3. Provide Young Professionals with the opportunity to actively contribute and become an integral part of the industry and CEM.
4. Be a link and progression from the student CEM chapter to professional involvement in CEM.
5. Communicate and coordinate with other similar organizations in other jurisdictions to exchange ideas, find mutually beneficial opportunities, and grow and improve the consulting engineering industry.

Who is a Young Professional:

A Young Professional is defined as any engineer, geoscientist, engineering or geosciences technologist or technician working for a member company with up to ten years of experience in their applicable field.