I want to thank you for the invitation and the opportunity to talk about CHES and the Canadian Healthcare Industry.
Peter Whiteman
CHES - President 2013-2015

Canadian Healthcare Engineering Society
Canadian Healthcare Engineering Society

**Mission**
To - Build Member Expertise

**Vision**
To - Promote Excellence through Partnerships, Innovation, Accountability and Education

**Values**
Respect - Teamwork - Knowledge - Accountability
Who Is CHES

- National Professional Organization.
- Founded in 1980.
- Over 1000 members from coast to coast.
  - With 6 Provincial Chapters.
- Membership is comprised of:
  - Hospital Maintenance and Operations Leaders.
  - Healthcare Administration Leaders.
  - Planners, Builders & Designers.
Existing CHES Chapters


Potential Future Chapters

Newfoundland & Labrador.
CHES Committee Structure

• Governance Committee.  *Executive Liaison – President.*
• Professional Development Committee.
  • Healthcare Standards Sub-Committee.
  • MedGas Technical Support Sub-Committee.  *Exe. – Vice-P.*
• Partnership and Advocacy Committee.  *Executive Liaison – Past - P.*
• Membership and Public Relations Committee.  *Exec. – Treasurer.*
• Communications Committee.  *Executive Liaison – Secretary.*
CHES - Awards and Recognition Programs

• Hans Burgers Award.
  For Outstanding Contribution to Healthcare Engineering.

• Wayne McLelland Award of Excellence.
  For Excellence in Healthcare Facility Management.

• President’s Cup Award.  (*New for 2014*)
  For Outstanding Performance by a CHES - Chapter.
CHES has been Going Green since Forever!

Sustainability – Efficiencies – Environmentally Friendly - Lean

All Hi profile Initiatives across Canada

• Member of the Canadian Coalition for Green Healthcare.

• National Conference Trade Show features “Green Park.”
Benefits of CHES - Membership

• Canadian Healthcare Facilities Journal.

• Website Access.

• Educational Opportunities.

• Participation in Standards Development and Advocacy.

• Partnerships with Affiliated Organizations. ASHE, IFMA, BOMA, CCHL, etc.
Canadian Healthcare Facilities Journal - Quarterly
CHES Official Publication

• Chapter Reports.

• CSA Corner.

• Themed Editions.

• Quarterly Issues.

• Announcements, Updates and member input.
Website Offerings

• Free Access to Top 10 CSA Standards.

• Member Forum.

• Career Opportunities. \textit{(Nation wide job postings)}

• Resource Links.

• Online Membership Directory.

• Back Issues of Journal.
Education and Professional Development Opportunities.

- Online Med-Gas Course.
- Canadian Healthcare Construction Course. (CanHCC)
- Webinars.
- Resource Links.
- National Conference.
- Chapter Conference.
Future Conferences

• 2014 - Saint John, New Brunswick.

• 2015 – Edmonton, Alberta.

• 2016 – Vancouver/Whistler, British Columbia.

• 2017 – tentative – St. John’s, Newfoundland.

• 2018 – tentative - Saskatchewan.
### Fun Facts and Comparisons Between Two Countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Population</th>
<th>Density</th>
<th>Acute Beds/1,000</th>
<th>Life Expectancy</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Canada</strong></td>
<td>33,476,688</td>
<td>9,984,103/sq.km or 3,855,103/sq. mi.</td>
<td>3.4</td>
<td>80.93 yrs.</td>
</tr>
<tr>
<td><strong>United States Of America</strong></td>
<td>316,823,465</td>
<td>9,826,675/sq.km or 3,794,101/sq. mi.</td>
<td>3.1</td>
<td>78.64 yrs.</td>
</tr>
</tbody>
</table>

- **We Share The Worlds Longest - Undefended boarder**
Population 33,476,688

Population density, 2006 by Dissemination Area (DA)
Population of United States of America
316,823,465
one dot represents the location of one enumeration area
Montana Saskatchewan
Opportunities in the Canadian Healthcare Industry!

- I’m here to provide an overview of the Canadian Healthcare Industry and how we can support each other.

- And to help you prepare for work in the Canadian Healthcare Industry and to support the Canadian Firestop Contractors.

- I’m not a Fire - Codes and Standards expert.

- You fellows are more knowledgeable in that area.
What’s important to our Healthcare - Facility Managers

- Infection Control.
- Patient Privacy and Confidentiality.
- Smoke Control and the Maintenance of Fire Integrity Ratings.
- Value for Money.
Infection Control Standards to familiarize yourself with


- CSA – Z 317.2  Special Requirements for Heating Ventilation and Air Conditioning (HVAC) systems in Healthcare Facilities.
Who, What is CSA
The Canadian Standards Association

• CSA is a Standards Development Organization (SDO) accredited both in Canada and the U.S.

• This accreditation acknowledges they comply with a specific set of accreditation criteria.

• As a result, CSA standards are recognized around the world for their balance, technical superiority, and ability to meet the needs of industry, regulators, manufacturers and consumers.

• Accreditation - Standards Development “Is what they do”.
CSA in Canada

• CSA - has the largest subject area recognition of all the SDOs (Standards Development Organizations).

• Accredited by the Standards Council of Canada (SCC), as an organization that co-ordinates Canada’s National Standards System.

• CSA maintains their accreditation by developing consensus standards that adhere to the requirements established by the SCC.
Patient Privacy and Confidentiality.

Guiding Principles

- Maintaining confidentiality is fundamental to providing the highest standard of patient care.

- Must act in accordance with professional and legal obligations.

- Establish and preserve patient trust, ensuring their personal health information remains confidential.
Patient Privacy and Confidentiality

“Personal health information“ - Definitions

Subject to certain exceptions, means identifying information about an individual in oral or recorded form, if the information,

A. Relates to the physical or mental health of the individual, including information that consists of the health history of the individual’s family.

B. Relates to the provision of health care to the individual, including the identification of a person as a provider of health care to the individual.
C. Is a plan of service within the meaning of the Long-Term Care Act, 1994 for the individual,

D. Relates to payments or eligibility for health care in respect of the individual,

E. Relates to the donation by the individual of any body part or bodily substance,

F. Is the individual’s health number, or
Patient Privacy and Confidentiality

Definitions continued

G. Identifies an individual’s substitute decision-maker. “Identifying Information" means information that identifies an individual or for which it is reasonably foreseeable in the circumstances that it could be utilized, either alone or with other information, to identify an individual.
Healthcare Privacy and Confidentiality Compliance

The Challenge

• With the introduction of the Health Insurance Portability and Accountability Act (HIPAA) Omnibus Rule, the days of voluntary information security compliance have passed for both covered entities and business associates.

• For the first time, Business Associates and their Subcontractors are directly liable for HIPAA compliance.
Healthcare Privacy and Confidentiality Compliance

The Challenge - continued

• Non-compliance has real measurable costs that can be realized in actual dollars, disruption of business processes, and risk to patients, partners and an organization’s reputation.

• Why protecting patient confidentiality is still important, Ethics and laws regarding confidentiality evolved long before the information highway was envisioned.

• The old laws and ethical precepts do not always fit neatly with today's computerized systems.
Healthcare Smoke Control, and the Maintenance of Fire Integrity Ratings


- National Fire Protection Association (NFPA) Codes & Standards

- National Building Code (NBC)

- Authority having Jurisdiction (AHJ).

- Healthcare Facility Priorities.
Preparing for the Canadian Healthcare System

Canadian Healthcare Construction Certificate (CanHCC) will

• Help you - Identify needs and expectations of the Canadian Healthcare facility construction and maintenance process.
• Describe - Methods to integrate “quality control” program into your Canadian Healthcare Construction process.
• Describe - How to Identify and address our healthcare risk management issues to reduce liability.
• Identify - best practice and communication strategies necessary to demonstrate competencies and the understandings of issues.
Preparing for the Canadian Healthcare System

CanHCC Brochure
Preparing for the Canadian Healthcare System

What you should do to position yourself to Provide Services.

Provide a Suite of Services

• Like - Barrier/Penetration labeling Services.
• Like - Barrier Integrity Assessment Services.
• Like - Barrier Management Program Services.
• Like - Firestop Services.
• Like - Fire Extinguisher Inspection Services.
• Like - Mechanical Insulation Services.
• Like - Fire Damper drop testing Services.
• Like - Fire rated access door installation Services.
• Like - Asbestos Abatement Services.
Value for Money.

“Definition”

The satisfaction derived from every purchase of goods or services in relation to the sum of money spent. Value for money is not solely based on the minimum purchase price but also on the maximum efficiency and effectiveness of the purchase.

- Understand your customers needs.
- Build Relationships with your customers.
- Provide value.
CSA Z8000 - New Planning & Design Standard – 10’ Intervals
Healthcare Smoke Control, Fire Integrity Ratings

Where do Onion Sacks fit in Fire Barrier Classification Scheme

- Fire Barrier Device.
- Fire Barrier Sealant
- Fire Barrier Packing.
- Fire Barrier Composite.
FCIA Fire-Stop Contractors International Association
Conference and Trade Show
Albuquerque, NM.

Thank You
Canadian Healthcare Engineering Society

www.ches.org