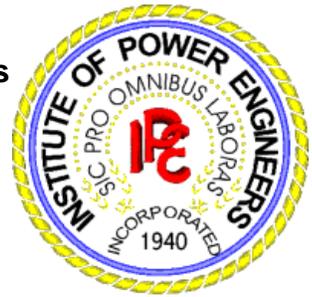


**The British Columbia Institute of Power Engineers  
Vancouver Branch  
6362 Thorne Avenue  
Burnaby, B.C. V3N 2V1**



**Regular Meeting  
May 23, 2006  
B.C.I.T. Town Square Mtg. Rm. D.**

**In Attendance:** Eric Steinson, Ken, Mah, Jack Dauphinais, Art, Smith, Jim Young, Pritam Bola, Sean Tobin, Carson McCrum, Mike Pilling, Gordon Beriault, Randy Noel, George Anderson, Leo Peterson, Peter Rubben, Dean Giesbrecht, Sergei Chebotarev, Hamid Colfar, Ravi Kumar, Gary Sorgenfrei, Robert Lee

**Chairman:** Eric Steinson  
**Secretary:** Ken Mah  
**Treasurer:** Jack Dauphanis

The Chairman called the meeting to order at 7:00pm

**1. Approval of Agenda**

Moved by Eric Steinson. Seconded by Pritam Bola.

**2. Introduction of New Members and Guests**

**Regular:** Mihir Dilip Jambhekar, Robert Lee, Robert Engh, Ryan Wallis, Ken Franks, Archie Almadin.

**Students:** Kayla Read, Thomas Li, Montagu Lee, Soba Ngola, Xuemo Yang, Jatinder S. Jaswal, Cheng Min Guo, Biao Yu, Sabir Husain, Joseph Abbott, Feng Ding, Todd Gleeson, Chang Yi Liu

**3. Circulation of Previous Minutes**

**4. Approval of Previous Minutes**

Moved by Eric Steinson. Seconded by Pritam Bola.

**5. Business arising from Previous Minutes.**

Prototype sample IPE "PE Certificate" discussed. A Registrar Member is needed to record, track, produce, and distribute PE Certificates. Ken Mah volunteered for a one-year term. New PE certificate's graphics and design is still pending approval. BC-IPE and IPE Vancouver's plan is to unveil the new certificate at the 2006 AGM in October.

## 6. Correspondence

Art Smith gave an update on the 2006 AGM. The National IPE will receive a mail out for the AGM. It entails two pages of coverage. It covers all the events with details of each day as AGM activity occurs. Costs such as price/person, seminars-3 days, the various speakers involved. National will mail it out in mid June to every member.

## Reports

### 7. AGM Review - Art Smith:

- The Ballroom has a maximum limit for: 150 people.
- Presentations: details will be given later.
- Speakers: line up of speakers is being established.
- DJ/Music: booked and ready to go.
- Cruise Boat: booked and ready to go.

Randy Noel:

- IPE T-shirts prepared/ready for sale: \$15 each

### 8. IPE Trade Show - Art Smith:

- There is approximately 13-14 presenters for the Trade Show. Final decisions will be made pending trade show requirements/demands.

### 9. Treasurers Report – Jack Dauphanis

All accounts current – bills paid. Jack gave an update to cover present status. All is well. IPE Vancouver's account has no outstanding arrears – books are all balanced.

### 10. Employment – Kelly Laminski

The following is an update:

The Employment Committee has another great year of helping people help themselves. Our primary goal is not to research and advertise jobs; we want to provide members with the tools to accomplish a successful job search. Our objective is to promote career opportunities while showing the diversity of opportunity currently available in our field.

Next year the committee would like to expand - offering workshops and seminars on topics ranging from First Aid to resume writing; and to prepare for an interview.

The Employment Committee is working closely with the Executive to ensure that the upcoming AGM is a success. As a part of our commitment to Safety and Education, we are working with industry to host a Trade Show and offer educational seminars to our colleagues and members.

The Executive would appreciate all additional input from members and encourage you to help in any way you can.

## 11. Membership – Art Smith

Membership dues that are outstanding - are being attended to.

## 12. Legislation – Eric Steinson

Power engineering legislation is being worked on and the process is currently ongoing. The meetings held this spring 2006 is completed and meetings resume later in this fall.

Question from this meeting: "Are legislative changes easier now?"  
(Kelly Laminski).

Answer: The changes are made in cooperation with BCSEA. It is to be understood none of it can be coercively or arbitrarily done but is a collaborative endeavor. The legislative revisions are a work under construction and in progress.

### Other news:

**Year 2008:** A goal the Province of British Columbia and Alberta endeavors to do- is create a Power Engineer "Certificate of Competency" - common to both provinces. And most importantly, recognized by both provinces as legitimate and legal certificates for Power Engineers to conduct their work

**Year 2009:** The new Interprovincial PE certificates mentioned above are to be established and issued to PE's.

Mike Pilling indicated his approval for the newer PE (inter) provincial certificates under design:

PE: Gold-1<sup>st</sup> Class, Silver-2<sup>nd</sup> Class, Bronze-3<sup>rd</sup> Class, and Green-4<sup>th</sup> Class.

### Coffee Break

## 13. Safety Talk – Eric Steinson

Eric covered the issue of Valve Failures for pressure equipment owners and operators. They are at risk of being seriously injured. In the example presented, the stem blew out of a water level gauge glass-isolating valve. The operator was opening the valve to warm up the gauge glass during a boiler startup.

The valve was of the outside screw and yoke type (OS&Y) with a brass bushing at the upper end of a carbon steel yoke.

For this particular valve, OEM literature indicates that there should be two adequately sized weld beads placed on the top surface of the yoke, adjacent to the opposite faces of the hexagonal wrenching surfaces of the bushing. The purpose of these welds beads is to prevent exactly what happened in this case. They are anti-rotation tack welds.

Similar valve types are known to have a drive pin in the top of the yoke to prevent unwanted backing-out of the bushing. Some like valves in plants may not even have anti-rotation tack welds at all. Investigation and examination may be necessary for similar valves for worker safety and plant integrity soundness.

To avoid future incidents, recommendations proposed by ABSA were discussed and reviewed for useful usage gains in BC plants.

**14. Education – Eric Steinson**

The topic of PE Mentors was discussed. The following PE members have stepped forward to be Mentors for upcoming and new PE's who desire the specialist content and valuable experience these people offer:

Eric Steinson: Power Generation

Mike Pilling: Industrial Boilers  
Refrigeration  
Facilities

Jim Young: Facilities  
Buildings

**15. Presentation – Burrard Thermal Film - Eric Steinson**

Eric presented an interesting presentation of the inception and building of BC Hydro' Burrard Thermal Generation Plant. It is a 16m archival film converted from 16mm film format into DVD format. It is a historical work showing the men in charge of the project, the planning involved, the state of the art engineering aspects put into this project, film footage showing the site preparation, and subsequent construction through its various stages up to it's completion. Explanation was given about the finer features of Burrard Thermal Station; and, as it went through its commissioning stages, until it was operating as a stand alone operation in full swing.

**Adjournment:** Meeting adjourned at 9:15pm

**Next Meeting:** **Monday September 25, 2006**

Submitted by,

**Ken Mah, PE**  
**Assistant Secretary**  
**B.C. Institute of Power Engineers**