



ECAA

Electrical Contractors
Association of Alberta

THE SPARK

ECAA NEWSLETTER

April 6, 2018

Issue 86

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Welcome to ECAA's E-Newsletter, The Spark!

This e-newsletter was created to keep members and industry informed on the Association's activities and upcoming events in a timely manner.

President's Message

March has been busy as Sheri McLean and Terry Milot have been touring the province with Joel Fundytus from the Electrical Training Centre presenting on the solar rebate program. I was fortunate to catch the first presentation in Red Deer and the fifth in Lloydminster. This presentation touches briefly on all of the aspects of a solar installation including who is a qualified installer in the province of Alberta.



On the 16th Sheri, Terry and myself were in Calgary again to attend a presentation on Prompt Payment Legislation by Singleton Urquhart Reynolds Vogel LLP. The presentation was organized by the Alberta Trade Contractors Coalition and held at the Calgary Construction Association office. It was well attended by representatives from multiple trade disciplines. The ECAA was well represented with 8 members from Calgary also joining us. The presentation gave time for discussion and feedback which was collected as part of the meeting as the presenters are forwarding the information on the Federal Government.

Our last Board meeting was on March 23rd and it was a full day with many reporting on progress to date as well as a review of our financials with Clayton McCrae and Kim Wallin from BDO presenting their report on our internal audit. There is also exciting developments with our Data and Communications position that Jason Burke is heading up and has been working tirelessly on. Bert DeBruin joined us in the afternoon to present the newly amended trade definitions that I spoke about in the last issue and

LOW VOLTAGE CONTRACTOR MEETINGS

April 16th, 2018

3:30 pm

Chateau Louis Hotel & Conference Center

Edmonton

May 8th, 2018

4:30 pm

Best Western Sawridge

Fort McMurray

May 10th, 2018

3:30 pm

Best Western Port O'Call

Calgary

More dates and locations to follow

MEETINGS

April 10th, 2018

Medicine Hat Chapter Meeting

MEDICINE HAT LODGE

April 11th, 2018

Lethbridge Chapter Meeting

LETHBRIDGE LODGE

April 12th, 2018

Calgary Chapter Meeting

CALGARY

April 16th, 2018

Edmonton Chapter Meeting

EDMONTON

April 19th, 2018

North West Chapter Meeting

GRANDE PRAIRIE

ECAA SEMINAR

WORKPLACE RESPECT

April 11th, 2018

8:30 am - 10:00 am

ECAA 2017-2018 Board of Directors

links to the new definitions are available on the ECA website. Thanks again to Bert and all that worked on this.

Another item of concern that has come to our Board's attention is rumors of some contractors pulling permits for companies performing electrical work without certified electrician trades people. The ECAA is committed to upholding the integrity of the electrical trade in Alberta and this particular subject is of great concern. This practice is damaging to our industry but more importantly, puts the safety of Albertans at risk. Our provincial Board and committee members are looking further into this and communicating with Apprenticeship & Industry Training and Safety Codes when we are made aware of these instances.

I am hitting the road again this month with a couple other members to see if there is possibilities of a Medicine Hat chapter getting up and running as well as getting out to Lethbridge and Calgary once more before we all meet again in May. Looking forward to meeting some new faces and connecting again with others.

For those who are planning to attend the out of country convention in France, Uniglobe and ECAA will be hosting a meet and greet at the UNIGLOBE One Travel, Edmonton Office: 10237 109 St. May 15th at 6:30PM to give us a chance to review the itinerary and get our ticketing details for travel. I will see you all then.

If you haven't already registered for the upcoming AGM and training day in Edmonton, there is no time like the present. Rose and I are increasingly excited as May 24th draws nearer and hope to see many of you there.

Until we connect again; yours in service

Eric Fadden, PEC

ECAA Provincial President

Did you know?

That under the OH&S Law ALL employers must provide Workplace Violence Awareness training to all employees?

ECAA has partnered with Mechanical Contractors Association (MCA) to have Julianna Cantwell from JUNA Consulting provide a workshop on **Workplace Respect**.

Very few people intend to be disrespectful toward others. Yet, under stress we sometimes say and do things that damage working relationships without realizing it. Learn how to "show up" in ways that demonstrate respect for them and for yourself.

Upon completion of this session, frontline staff, supervisors, and managers will be able to:

- Define respectful behavior
- Identify their natural "interaction" style

Click on the above link to meet our Provincial Board of Directors

TRADESHOWS

Central CAREER Expo

ECAA is looking for volunteers to help man the ECAA booth at the upcoming Career Expo in Red Deer on

APRIL 26th, 2018

Red Deer College

**2018 Skills City
Provincial Skills
Competitions**

May 31st - June 1st, 2018

Edmonton Expo Center

If you are able to volunteer for either of these tradeshow please contact

chryniw@ecaa.ab.ca

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- Realize how they may unintentionally show disrespect for others ("blind spots")
- Know what their team members need from them in terms of respectful actions
- Create a team charter for respect in the workplace

When: Wednesday, April 11th 8:30 am - 10:30 am

Where: ECAA Provincial Office (17725 103 Avenue, Edmonton)

How do I Register?: <http://events.ecaa.ab.ca/events/workplace-respect/>

Due to popular demand ECAA has partnered with MCA to offer this course in Calgary.

Workplace Respect

Friday, April 20th, 2018

8:00 am - 10:00 am

MCA has extended member pricing to ECAA Members (\$65)

This seminar will be presented by Adam Czarnecki, CPHR of Talent Tactice Consulting Inc.

For more information and to register click on the following link:

<http://mca-ab.com/event/seminar-workplace-respect/>

Electrical Safety Program "Product in a Box"

For more information on how you can license the Electrical Safety Program "Product in the Box" please contact the ECAA.

What are the most significant changes to CSA Z462 in the 2018 Edition?

The overall Risk Assessment Procedure was updated as well. For a discrete energized electrical work task:

1. Determine if the QEW will be exposed to arc flash and shock;
2. Assess risks;
3. Implement risk control according to the Hierarchy of Risk Control Methods.

This overall Risk Assessment Procedure shall be documented and shall consider the impact of human error related to likelihood of occurrence. If you have any questions about the changes and their implications please email or call Terry Becker, P.Eng., tbecker@danatec.com or 1-403-465-3777.

For more information on how you can license the Electrical Safety Program "Product in the Box" please contact the ECAA.

Industry News

Call for Nominations are out for ECAA 2018-2019 Provincial & Edmonton Chapter Board of Directors. If interested please contact smclean@ecaa.ab.ca and your nomination will be forwarded to the appropriate Nominations Committee.

The 2018 Trade Definitions are now available. The Alberta Construction Trade Definitions are a complete list of inclusions and exclusions pertaining to scopes of work for trades in Alberta. The definitions are used during the tendering process and to help coordinate job site activities. They specify which contractor is responsible for specific areas of work. Click on the following link to download the [2018 Trade Definitions](#)

On December 15, 2017, An Act to Protect the Health and Well-being of Working Albertans received Royal Assent. The Legislation enacted the new Occupational Health and Safety (OHS) Act which modernizes Alberta's health and safety system to reflect modern workplaces, increase employee participation and improve safety. The OHS Act also established an **OHS Advisory Council**, which is responsible for providing advice to the Minister and performing tasks related to OHS legislation and general workplace health and safety matters. The OHS Advisory Council is established under Section 38 of the Act. To reflect diversity in perspectives, the OHS Advisory Council will be comprised of equal representation from worker groups, employer groups, and health and safety technical and professional bodies. **The government is currently seeking one person to Chair the Council and eight other people to sit as members on the OHS Advisory Council.** In accordance with the Act, only the individuals nominated by one or more worker organizations, employer organizations, or health and safety technical/professional bodies will qualify for entry into the recruitment process. As a recognized organization in one of the categories above, I invite your organization to nominate between three and four representatives for consideration for membership on the OHS Advisory Council. The term of appointment will be for three years and the OHS Advisory Council will meet quarterly. It is important to ensure your nominees are willing and able to make such a commitment. When submitting nominations, please provide the resumé and cover letter of your proposed representatives, indicate the group (i.e., worker, employer or health and safety technical/professional expert) your nominees will be representing, and demonstrate how the nominees meet the criteria outlined in the attached position profile. A minimum of seven nominees from each of the three groups (worker groups, employer groups, health and safety technical/professional bodies) will be selected for interviews. Please submit your nominees to Ms. Heather Hurst, Governance Specialist, at heather.hurst@gov.ab.ca by end of day on **Monday, April 9, 2018**. Any questions may also be directed to Ms. Hurst at 780-415-0964 (toll-free by first dialing 310-0000). [Position Profile - OH&S Advisory Council](#)

The Alberta Government has set up a new policy for contractors bidding on major infrastructure and transportation projects, requiring them to use apprentices in the 11 construction related trades. The new policy requires apprentices to participate on major public projects valued over \$15 million, or those that will require at least two years to complete. As well, sub-contracts of \$500,000 or greater, will also be required to comply with the new requirement and employ at least one apprentice. The government says about 80 per cent of an apprentice's training is done on the job under the supervision of a certified journeyman or qualified individual. "Apprentices will tell you that real-world experience and mentorship are invaluable to their training and development," said Glenn Feltham, President of the Northern Alberta Institute of Technology. "This is an important initiative that recognizes the value of supporting apprentices and apprenticeship training on publicly funded projects."

Alberta Apprenticeship & Industry Training Board Awards will be held on April 13th. ECAA proud to sponsor the Top Electrical Apprentice scholarship. This year ECAA is also a silver sponsor for the award celebrations.

We are currently looking for volunteers to assist in the upcoming career fairs: **CAREER Expo April 26th in Red Deer; 2018 Skills City Alberta's Largest Trade & Technology Career Exploration Experience May 31st - June 1st, 2018**, Edmonton Expo Center. If you are interested in helping man the ECAA booth please contact the ECAA Provincial Office (chryniw@ecaa.ab.ca).

Skills is currently looking for support for the upcoming Provincial Skills Competition. They are currently looking for donations from contractors or suppliers. All donations will be issued a tax deductible receipt.

- Preference would be to have actual materials donated instead of a cash donation
 - cash donations go into the Skills general fund for all events but material donations go directly to our event
 - tax receipts for material donations will be for the dollar amount of the material costs (please provide receipts)

Some of the materials Skills is looking for are **switches, plugs, emt, pvc, wire, load center panelboards, forward/reversing contactors, smart relays, cabinets, etc.** For more information or for a detailed list of materials and part numbers please contact Chuck Zylla directly 780-471-8452 or chuckz@nait.ca

Registration Now Open! The Safety Codes Council Annual Conference May 30th - June 1st, 2018 at the Rimrock Hotel in Banff.

Join the Safety Codes Council (SCC) for three days of engaging keynote speakers, informative breakout sessions, and social events designed for networking and celebration. Conference 2018 is a unique opportunity to meet face-to-face with stakeholders including Council members, safety codes officers, industry partners, government officials, municipalities, agencies, and corporations. [Visit SCC website](#) for full details and registration - check back often for the most up-to-date conference information.

Congratulations to Harris Electric Co. Ltd who has been in business in the Lloydminster area for 70 years and a proud ECAA Member.

*"It is with great sadness that we inform you of the passing of our much-respected colleague and friend, **Mr. Klaus Reichwald**. Klaus passed away at home from complications linked to his cancer on Saturday, March 31st, 2018. As many of you are aware, Klaus was diagnosed with pancreatic cancer approximately a year and a half ago, but even with this terrible illness, Klaus remained extremely positive, courageous and passionate about his life and work. He was a true inspiration to us all. Klaus joined Western Electrical in 1964, and through his hard work, dedication and integrity, built one of the most successful electrical contracting companies in western Canada. He developed strong and lasting relationships with employees, clients, and suppliers, and he will be profoundly missed by everyone whose lives he touched. Klaus is survived by his wife, Lydia, son, David, and daughter, Kari. Our deepest thoughts and condolences go out to them at this difficult time. Funeral arrangements have yet to be*

confirmed. We will no doubt always remember Klaus - our colleague, mentor and friend." Scott White, President & CEO Western Electrical Management.

Energy Efficiency Alberta has engaged the ECAA to deliver information seminars to the Electrical Industry and interested public on Solar Capacity Training. **This is information you need to know if installing or inspecting Solar PV Systems.** [SOLAR PV SYSTEMS ONLINE REGISTRATION](#) Sessions will take place from 2:00 - 5:00 pm and held prior to local ECAA Chapter meetings.

MEETING DATES:

- April 10th Medicine Hat
- April 11th Lethbridge
- April 19th Grande Prairie

2018 Alberta Energy Efficiency Summit May 16-17, 2018 Grey Eagle Event Centre in Calgary. Click on the following link to view the full interactive [CONFERENCE PROGRAM](#). **While Alberta is the last province in Canada to introduce an energy efficiency program**, we have the advantage of learning from the successes, challenges and insights of other jurisdictions. David Dodge, Board Chair of Energy Efficiency Alberta, will lead a frank and wide-ranging panel discussion with Canada's leading conservation executives, including:

- Stephen MacDonald, EfficiencyOne
- Monica Curtis, Energy Efficiency Alberta
- Terry Young, IESO

This is a panel discussion you don't want to miss! To learn more about the panelists and read their biographies, click here. For more information and to register: <https://energyefficiencysummit.ca/registration/registration-information/>

Join the Canadian Apprenticeship Forum at the Fairmont Queen Elizabeth in Montréal, QC from June 10-12 for the [2018 National Apprenticeship Conference](#). The 2018 conference will highlight initiatives, programs and strategies that contribute to Canada's world-class apprenticeship system. Innovative on-the-ground approaches that reflect how traditional models and methods are evolving will be showcased. More than 500 delegates are expected to participate over three days. **Nominations are open for the Darryl Cruickshank Red Seal Industry Award!** This award will be presented to an individual from industry who has demonstrated inspirational leadership in the promotion and development of apprenticeship training for aspiring skilled tradespersons. The award will be presented at a ceremony at the upcoming [2018 National Apprenticeship Conference](#). For more information, visit the [Red Seal website](#).

Interested in the Solar industry? Join the Canadian Solar Industries Association (CanSIA) at their national conference, "**Solar Canada 2018 Conference and Exhibition**" in Calgary, June 20 & 21. This is the gathering place of the entire supply chain where you will gain industry knowledge and make connections vital to your business.

Session topics include:

Going Solar for a Living: Working in the Industry

Best Practices: Solar Installer & Roofing Contractor Safety

Best Practices: Quality Assurance & Consumer Protection
Visit www.solarcanadaconference.ca to learn more!

Save the Date. Trade Perspectives Work Proud Summit 2018 October 2-4, 2018. Women Building Futures is assembling leaders, influencers and change-makers to share best practices in creating workplaces that meet the challenges of the next generation.

Provincial Board of Directors Update

A Board of Directors meeting was held on Friday, March 23rd, 2018 at the ECAA Provincial office. President Eric Fadden, PEC called the meeting to order at 10:35 am. In attendance were Mr. Terry Barnett; Mr. Tim Brundage; Mr. Jason Burke; Mr. Darrell Castor, PEC; Mr. Bob Clarke; Mr. Brent Connell, PEC; Mr. Joe Davis; Jeanette DeBruin; Mr. Tim Fehr; Mr. Scott Hutton; Mr. Bob Maslanko, PEC; Mr. Andrew McGuire; Mr. Tim Tarita; Mr. Darcy Teichroeb, PEC; Mr. Steve Warholik and Sheri McLean, Recording Secretary.

Agenda items included reaffirmation of the name Estimating & Finalizing the Tender for the updated three day PEC course; an update on electrical work being done by non-indentured electricians - ECAA committed to upholding integrity of the electrical trade in the province of Alberta and we are concerned; presentation by Jason Burke on path forward for data and low voltage contractors; presentation by BDO on year-end audit. The review this year entailed more questions on process, procedures and documentation. Presentation by Bert DeBruin on Trade Definitions.

Committee and Chapter reports in Issue 1 of Contactor (mailed this week); Fire Alarm System Guide available from ECAA office. Occupational Health & Safety (OH&S) asking for written feedback on proposed regulation for workplace harassment and violence, as well as for the establishment, functions, and training for joint work site health and safety committees and health and safety representatives; invitation to submit nominees to the new Occupational Health & Safety Advisory Council received from Minister Gray. ECAA investments with Wood Gundy, 60/90 day overdue and outstanding memberships reviewed. The following applications for membership were approved in their respective categories: Regular: Royal Energy & Electric Group (Calgary); Nano Electrics Inc (Fort McMurray); Solaris Electric Inc (Calgary); Startech Services (Calgary); Ardent Electric (Lethbridge); Leading Electric (Fort McMurray). Associate Members: Edmonton Catholic Schools (Edmonton); SunLife Universal Group & Life Benefits (Edmonton). Journeyperson: Trevor Dell (Fort McMurray); Sean Conlon (Carstairs); Marius Hugo (Calgary). Retired - Garth Graham (Edmonton). Meeting adjourned at 3:00 pm.

Next meeting: May 2nd, ECAA Boardroom.

PEC Update

Reminder **ECAA Technical Training Day** is just around the corner. Have you registered yet? [Training Day Registration](#)

Training Day will take place on **Friday, May 25th at the Fairmont Hotel MacDonald in Edmonton**. Training day streams include Technical, Codes

& Standards and General Interest with two added sessions on Bill 17 & Bill 30.

Need APD points? This full day session is great way to earn points.

Did you know that the PEC Program is celebrating 25 years this year? Be sure to join PEC Chairs Bob Maslanko & Darcy Teichroeb on Saturday, May 26th at the Fairmont Hotel MacDonald. Network with fellow PEC's, students past and present instructors and PEC committee chairs as achievements and milestones are recognized. Recognition will occur during the PEC Annual General Meeting (8:00 - 10:00 am) and more formally at the Awards Luncheon (12:30 - 2:30 pm).

[AGM & Training Day Registration Package](#)

New Members

Welcome New Members

Contractors: Royal Energy & Electric Group (Calgary); Nano Electrics Inc. (Fort McMurray); Solaris Electric Inc. (Calgary); Startech Services (Calgary); Ardent Electric (Lethbridge); Leading Electric (Fort McMurray)

Associates: Edmonton Catholic Schools (Edmonton); SunLife Universal Group & Life Benefits (Edmonton)

Journeyperson Associate: Trevor Dell (Fort McMurray); Sean Conlon (Carstairs); Marius Hugo (Calgary)

Retired Member: Garth Graham (Edmonton)

Local Chapter Activity

Low Voltage Contractors - Call to Order: An organizational structure is being formulated within Alberta to be the voice of the low voltage cabling industry. Meetings have been scheduled in Edmonton; Fort McMurray & Calgary (Dates & times listed below) For more information click on the following attachment [LOW VOLTAGE CONTRACTORS - Call to Order](#)

CALGARY: Next meeting **Thursday, April 12th** Best Western Port O'Call Hotel.

Low Voltage Contractors Meeting: Thursday, May 10th 3:30 pm prior to the Chapter Meeting. To rsvp click here <http://events.ecaa.ab.ca/events/calgary-low-voltage-contractors-meeting/>

Pre-Meeting Presentation at 5:00 pm: Utility Sub Metering, Carma Industries

Chapter Meeting & Dinner 6:00 pm

Guest Speaker & Topic: Brad Biollo, Bluebeam ReVu

Sponsor: Eaton

CENTRAL: VOLUNTEERS NEEDED! ECAA is participating in the **CAREER Expo** on Thursday, April 26th at the Red Deer College from 9:00 am - 3:00 pm. Volunteers needed to help assist in manning the ECAA Booth. **Qualifies for APD points for PEC's.** Please email chryniw@ecaa.ab.ca if you are able to volunteer an hour or two of your time.

EDMONTON: Next meeting is **Monday, April 16th**, Chateau Louis Hotel & Conference Center.

Low Voltage Contractors Meeting: 3:30 pm prior to the Chapter Meeting. To rsvp click here <http://events.ecaa.ab.ca/events/edmonton-low-voltage-contractors-meeting/>

Pre-Meeting Presentation 5:00 pm: Utility Sub Metering, Carma Industries

Chapter Meeting & Dinner 6:00 pm:

Guest Speaker & Topic: Brad Biollo, Managing Construction & Design Programs Bluebeam ReVu

Sponsor: Carma Industries

FORT McMURRAY: Next Meeting Tuesday, May 8th at the Best Western Sawridge.

Low Voltage Contractors Meeting: 4:30 pm prior to the Chapter Meeting. To rsvp click here <http://events.ecaa.ab.ca/events/fort-mcmurray-low-voltage-contractors-meeting/>

Guest Speaker: Travis Cook, EATON

Topic: Synergex Panel

MEDICINE HAT: Solar PV Information Seminar 2:00 pm - 5:00 pm followed by a meet and greet with Provincial Board Members on **Tuesday, April 10th, 2018** at the Medicine Hat Lodge.

Presentation: Joel Fundytus

Topic: Solar PV Installation Information

LETHBRIDGE: Solar PV Information Seminar 2:00 pm - 5:00 pm followed by Lethbridge Chapter Meeting at the Lethbridge Lodge on **Wednesday, April 11th, 2018.**

Presentation: Joel Fundytus

Topic: Solar PV Installation Information

Guest Speaker & Sponsor: Rotaflow Controls

NORTH WEST: Solar PV Information Seminar 2:00 - 5:00 pm followed by the North West Chapter meeting **Thursday, April 19th** 5:30 pm Pomeroy Hotel in Grande Prairie.

Guest Speaker: FBC Canada

Topic: Audit Triggers: Don't lose your business to the CRA

Sponsor:

****2 Day Safety Principles Course** being offered in Grande Prairie Wednesday, April 18th & 19th, 2018 at the Pomeroy Hotel. 2nd day of course instruction will be altered to accommodate the Solar presentation. For more information contact chryniw@ecaa.ab.ca

Professional Electrical Contractor (PEC) Courses

[2018 PEC Course Schedule and Registration](#)

BUSINESS & PUBLIC RELATIONS (Brian McCreedy) Thursday, April 12th & Friday, April 13th, 2018 (Calgary) A series of five modules designed to give you essential and proven management concepts in the areas of managing: Credit & Collections, Business Promotion, Sales Management, Business Management and Human Resource Management. Each module will teach you hands-on management strategies to immediately begin improving the performance and profitability of your electrical contracting business.

ESTIMATING & FINALIZING THE TENDER (WITH COMPUTER ESTIMATING) (Chris Reinert, PEC) Thursday, April 26th, 27th & 28th, 2018 (Calgary)

This course for the Professional Electrical Contractor covers organizing the estimate, finalizing the tender, and computer aid in estimating and finalizing the tender. Since the course is aimed at Professional Electrical Contractors, very little time is spent on basic take-offs. The course addresses calculations of various overheads, mark-up theories, labor factors, evaluating risk factors, and the like, all concerns that the active business manager meets up with every day. These three parts of this course are designed to create an awareness in the Professional Electrical Contractor of the various business principles involved in preparing his or her tenders.

The computer estimating portion is designed to provide the new estimator or contractor with a basic understanding of how to prepare an estimate. It covers:

- Planning for the estimate
- Preparing counts, take-offs
- Preparing the Bill of material for supplier pricing and Review of the Bill of material
- Accubid "Bidwinner"
- Use of assemblies, where to enter miscellaneous costs, supplier pricing, overhead costs, and the final pricing sheet
- Use of Excel spreadsheets to assist with take-offs

SAFETY PRINCIPLES Thursday, April 18th & 19th, 2018 (Grande Prairie) (Barry Lawrence)

A well developed safety program can reduce costs resulting from injury and property damage, and is the hallmark of a quality electrical contracting firm.. The first day of the course shows you each step to develop and implement an effective safety program for your small to medium sized electrical contracting firm.

The next day is designed to help managers ensure construction supervisors fine-tune their safety skills by:

- clearly understanding what their safety roles and responsibilities are
- presenting and delivering effective training to workers and maintaining high worksite safety standards
- conducting effective site inspections - and developing appropriate recommendations
- investigating - the steps to follow and processes involved

ELECTRICAL PROJECT MANAGEMENT Thursday, April 19th & 20th, 2018 (Edmonton) (Rob Colclough, PEC)

Practical hands-on skills to learn and apply project management processes and knowledge areas, to reduce project cost through effective purchasing and administration; to avoid paying for others errors or omissions; to recover all costs which you are entitled; effective record keeping to enhance project profitability.

Objectives PEC Electrical PM:

1. List and apply Project Management processes (5) and knowledge areas (10).
2. Identify and recover all costs to which you are entitled.
3. Avoid paying for others' errors or omissions.
4. Reduce project costs through effective purchasing and administration.
5. Identify cost overruns - and take corrective action.
6. Use effective record keeping systems to enhance project profitability.

*****Reminder all PEC's retaking courses 12 APD points apply. Reduced course rate of \$60 per 2 day course; \$90 3 day course.***

Online Training

ECAA has launched the following new courses to our training website.

Along with the Ethics and ESTS Electrical Worker Training on CSA Z462 we have added:

- ESTS Electrical Worker USA 2015
- ESTS Non-Electrical Worker Canada and USA 2015
- Bear Awareness Online Training
- Confined Space Pre-Entry Online Training
- Fire Safety Awareness
- Ground Disturbance Online Training - Supervisory 3.0
- H2S Awareness Online Training 2.0
- Hazard Awareness Online Training 2.0
- TDG Online Training 3.0
- WHMIS 2015 Online Training

- Defensive Driving - 3 Demerit Reduction Online Training (Alberta Only)
- Defensive Driving Condensed Online Training (CDN Version)
- Fatigue Management for Senior Administrators and Supervisors Online Training
- Fatigue Management: Driving Drowsy - Taking Responsibility Online Training
- Professional Drive Improvement Course Online Training - 3 Demerit Reduction (Alberta Only)

Start your training today on www.ecaatraining.com

ONLINE TRAINING -- ECAA MEMBER DISCOUNT AVAILABLE!

Arc Flash & Shock Electrical Safety Training based on CSA Z462-2015 Developed for workers that perform energized electrical work. The course curriculum is based on the 3rd edition of CSA Z462, published in 2015. The overall course content was developed using industry accepted best practice standards as the under pinning in support of meeting Provincial or Federal regulatory due diligence for arc flash and shock.

ESTS Electrical Worker training is focused on the practical application of CSA Z462 within the workplace and providing documentation tools in support of the Employer's overall Occupational Health & Safety Management System and an Electrical Safety Program. Employers are required to have an updated Electrical Safety Program that incorporates the new requirements from CSA Z462-2015 for workers to receive the most benefit from this course.

The ESTS Electrical Worker course is broken down into five sections for ease of use. Workers should self-pace themselves based on their understanding of the subject matter. All workers are encouraged to stop and start their course by saving their progress before exiting. At any time during the course workers can ask questions to an Instructor and follow along using a comprehensive Student Workbook as a training aid.

Students who score 80% or greater earn their training certificate and can apply for 0.6 Continuing Education Units (CEU's). Final assessment questions are fully randomized so Workers never have the same exact questions.

Electrical Worker Training Modules:

1. Introduction
2. Regulations, Consensus-based Standards and Best Practices
3. Understanding Electricity in the Workplace
4. Electrical Hazards: Understanding the Potential for Harm
5. Risk Assessment Procedure
6. Establishing an Electrically Safe Work Condition
7. Engineering and Administrative Controls
8. Electrical Specific PPE, Tools and Equipment
9. Emergency Response, Incident Reporting and Program Maintenance
10. Final Assessment & Work Task Scenarios

Learning Objectives for Qualified Electrical Workers:

1. Explain the Regulations and Standards applicable to their role and responsibilities.

2. Identify and understand electrical hazards and risk assessment.
3. Effectively manage electrical hazards by following the Work Flow Process to safely execute energized electrical work.
4. Learn how to complete an Arc Flash Risk Assessment and Shock Risk Assessment as part of an overall Risk Assessment Procedure (RAP).
5. Apply preventive and protective control measures to reduce risk.
6. Understand electrical incident emergency response and incident reporting requirements

The ESTS Electrical Worker training course was developed by Terry Becker, P.Eng., ESPS Electrical Safety Program Solutions INC. and ESPS is partnering with the ECAA to bring this training to Members.

To purchase this training course visit www.ecaatraining.com

FIRST LEVEL SUPERVISOR TRAINING PROGRAM **5 Gold Seal

Credits This course offers the critical basic skills and concepts needed to supervise a crew in the residential, institutional, commercial, industrial and civil construction sectors. For more information click on the following link [First Level Supervisor Training Program](#) . Course is complimentary to all unionized electrical contractors and their employees that have a bargaining relationship with the IBEW Local 424.

Course cost is \$400 and to enroll contact Christine chryniw@ecaa.ab.ca

ON-LINE ETHICS COURSE. This course is designed for the Certified Master Electrician (CME) that desires to maintain that designation and for any Registered Master Electrician (RME) or Master electrician that desires to become a CME Information at www.ecaatraining.com (Ethics course).

Alberta Construction Association Update

Governments of Canada and Alberta Announce Bilateral Funding

Agreement. On Tuesday April 3, 2018, Amarjeet Sohi, federal Minister of Infrastructure and Communities, and Sandra Jansen, Minister of Alberta Infrastructure, announced the signing of a bilateral agreement that will provide more than \$3.3 billion in federal funding through the Investing in Canada plan over the next decade for infrastructure projects. These projects will be cost-shared with the Alberta government, municipalities and other partners.

This new funding will see the Government of Canada and the Government of Alberta make unprecedented investments in public transit, green infrastructure, recreational, cultural, and community infrastructure, as well as rural and northern communities.

The funding builds on Alberta's 2018 Capital Plan, which commits \$26.6 billion over five years to support priority infrastructure projects across the province.

For further information regarding this funding announcement please read the full release [here](#).

Top Five Construction Technology Trends to Keep Workers Safe. In a recent article from Sarah Noel Block, Director of Marketing & Education for

The Moran Group, she discussed the five newest technology trends to keep workers safe.

1. **Exoskeletons:** The one-time Science Fiction of wearing power suits now allows the wearer to ease joint strain and to do more work with less strain.
2. **Wearables:** From sensors to smart watches the effort is in using wearable gear to keep track of the health of a worker not unlike NASA does with its astronauts.
3. **Site Sensors:** Used to detect levels of toxins in the air they act as early warnings systems.
4. **Drones:** Drones are starting to play a critical role in safety inspections at a site as they can reach areas humans cannot and keep people out of hazardous situations.
5. **Virtual Reality:** Can be used in safety training, in site management, and allow designers to walk through a site and see what the problems might exist before even putting a single shovel in the ground.

Read the article in full [here](#).

ACSA Silica Course Launched. ACA thanks ACSA for launching the Silica Awareness Course March 7th. ACA appreciated partnering with ACSA to develop a silica course to address supervisor awareness of the need to manage occupational exposure limits to silica.

Special thanks to Candice Robertson-Shattler and Kevin Clulow (ACSA Course Developers), Denis Poitras (Graham Construction and ACA's leader on this project), and association partners ARHCA (Jenna Klynstra) and BILD (Brittany Baltimore).

ACA salutes the twenty firms that enrolled in the first course and encourages all members to take the course. Course information can be found at <http://www.youracsa.ca/courses/>. ACA's best practices for managing silica exposure can be accessed at http://albertaconstruction.net/?page_id=1297

Budget Bad News for Construction Industry. Alberta Construction Association (ACA) was disappointed to see capital spending heavily impacted in the Government of Alberta 2018-2019 Budget released Thursday, March 22. The Capital Budget has been cut by \$2.5 Billion in the first year alone, with an additional \$1 Billion cut over the next 2 years.

"The government has been signalling the capital spending cut for a while now. In order to approach a balanced budget, the government has cut spending on needed infrastructure." said ACA Executive Director Ken Gibson.

The construction industry continues to deal with the consequences of a reduction in private investment during the downturn and public spending on capital projects has been a way to keep Albertans employed in our industry. With private investment forecast to remain weak, ACA is concerned industry may not recover in the next few years.

"This is a period when our industry is struggling and we depend on our public partners to help keep Albertans employed and provide the schools and other facilities needed by Albertans. 80% of our members are small

businesses, which lack the resources to ride out a sustained downturn. These cuts will be felt by Alberta families in every community across the Province."

ACA represents 3200 member firms in commercial, industrial, and Institutional construction industry across Alberta. Construction employs one in nine working Albertans.

Read an in depth analysis of the 2018 Provincial Budget [here](#).

For more news and events visit www.albertaconstruction.net

Contact Us

If you are an ECAA Contractor or Associate member and would like us to help promote an industry or company event please contact us directly at 1-800-252-9375.

We value your feedback and its important to us. Please submit any comments to smclean@ecaa.ab.ca

The next issue of The Spark will be emailed on May 4th, 2018.



ECAA

Electrical Contractors
Association of Alberta

17725 - 103 Avenue Edmonton, AB T5S 1N8

Phone: 780-451-2412 Toll Free: 1-800-252-9375

www.ecaa.ab.ca



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