



ECAA

Electrical Contractors
Association of Alberta

THE SPARK

ECAA NEWSLETTER

January 4th, 2019

Issue 95

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January 9th, 2019
LETHBRIDGE CHAPTER

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

Greetings to everyone,

I would like to start off by wishing everyone a very sincere Happy New Year from our home to yours.

Its 2019, a time for change, inspiration and dedication to life as we say good-bye to 2018, and welcome in the New Year.



Is it just me, or does the technology around us seem to be growing faster than our ability to repair it? I remember times when something failed or broke,

you could repair it. Now, it seems as though we live in a disposable society. Filled with instant dreams. At a push of a button you can get just about anything you need, order anything you want, and be somewhat anonymous in all the social platforms there are out there. I miss the days of one-on-one conversations, eye contact and a good handshake.

In the New Year, I look forward to seeing you all at the various Chapter meetings and events around the province. Your participation in these meetings and events secures a path forward for this association. An association built on the shoulders of those who went before us and paved the road on which we walk on today.

The ECAA is ever evolving and adapting to the forever changing trade in which we work. What shouldn't change is our values, integrity and loyalties.

January 10th, 2019
CALGARY CHAPTER

January 21st, 2019
EDMONTON CHAPTER

January 24th, 2019
FORT McMURRAY CHAPTER

TRAINING
Arc Flash & Shock 1 Day Low
Voltage Training
January 9th, 2019
Lethbridge Lodge

January 22nd, 2019
ECAA Provincial Office
Edmonton

February 21st, 2019
Grande Prairie

Managing Change
8:30 am - 10:30 am
January 15th, 2019
ECAA Provincial Office
Edmonton

Tax Tips for Contractors
11:30 am - 1:00 pm
January 17th, 2019
ECAA Provincial Office
Edmonton

SOCIALS
Edmonton Chapter
President's Ball
January 19th, 2019
Chateau Lacombe Hotel
Hosted by:
Edmonton Chapter President
Jay Kuystermans

**[ECAA 2018-2019
Board of Directors](#)**

Our first Provincial Board meeting is on January 18, 2019 at our Edmonton office, followed the next evening by the Edmonton Chapter Presidents Ball at the Chateau Lacombe, Hosted by President Jay Kuystermans. I hope to see you all there, it promises to be a great time as always.

"Do not go where the path may lead, go instead where there is no path and make your own trail" - Ralph Waldo Emerson

Until next time, be safe and God bless

Tim Tarita,
ECAA Provincial President

Electrical Safety Training Update

1-Day Low Voltage Arc Flash and Shock Training Course Overview Based on CSA Z462-2018

COURSE DATES:

January 9th, 2019 (LETHBRIDGE)

REGISTER:

<http://events.ecaa.ab.ca/events/1-day-low-voltage-arc-flash-and-shock-training-course-lethbridge/>

January 22nd, 2019 (EDMONTON)

REGISTER: <http://events.ecaa.ab.ca/events/1-day-low-voltage-arc-flash-and-shock-training-course-edmonton-2/>

February 21st, 2019 (GRANDE PRAIRIE)

REGISTER: <http://events.ecaa.ab.ca/events/1-day-low-voltage-arc-flash-and-shock-training-course-grandeprairie/>

For more information contact the ECAA Provincial Office 1-800-252-9375 ecaa@ecaa.ab.ca

Industry News

Welcome back and Happy New Year!

2019 ECAA Convention Registration is now open. Join Provincial President Tim & Karen Tarita for our annual Technical Training Day & Convention May 30th - June 2nd, 2019 at the Jasper Park Lodge in Jasper, AB. Registration can be completed online: <http://events.ecaa.ab.ca/events/ecaa-2019-convention-registration/>

EARLY BIRD Registration Deadline March 29th, 2019.

Be sure to make your hotel reservations early by booking online: <https://book.passkey.com/event/49750226/owner/56381/home> or by calling the JPL directly 780-852-3301.

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

Trade shows

CALGARY CAREER FAIRS

Lord Beaverbrook
High School
February 20th, 2019

Father Lacombe
High School
March 13th, 2019

James Fowler
High School
April 3rd, 2019

If you are able to volunteer contact [Doug Miller](#)

Join Our List

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ECAA is Social

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[2019 ECAA Convention Registration Package](#)

Membership renewals sent in December and due January 31st, 2019. Thank you for your continued membership and support!

ECAA Breakfast Club will be hosting **Managing Change** on January 15th from 8:30 - 10:30 am at the ECAA Provincial Office. For more information or to register click on the following link: <http://events.ecaa.ab.ca/events/managing-change/>

FBC will be hosting a lunch n learn at the ECAA Provincial Office on January 17th from 11:30 am - 1 pm on **Tax Tips for Contractors**. Cost is \$20 + gst click on the following link to register: <http://events.ecaa.ab.ca/events/tax-tips-for-contractors/>

Effective October 2018, the Safety Codes Council will no longer mail your Master Electrician renewal notice. Renewals will only be accepted online; paper forms and cheques will no longer be accepted. For more information on the renewal process click on the following link. <http://www.safetycodes.ab.ca/ME/Pages/Renewals.aspx>. ECAA CME/RME renewal process has not changed and renewal notices mailed applicable to your CME and RME designations only.

EIAA (Electrical Inspectors Association of Alberta) Technical Conference February 1st & 2nd, 2019 at the Chateau Louis Hotel in Edmonton. For more information click on the following attachments.

[2019 EIAA Conference Registration Form](#) [2019 EIAA Conference Agenda](#)

ECAA has partnered with Ace Trades and Technical Institute to offer the following courses: **Electrical IP Red Seal Refresher Course** : March 11th -15th (Edmonton , 5 day intensive 8 am - 4:30 pm) Regular Student Course Fee: \$1500 + GST. ECAA Members only pay \$1250 + GST (*Member Discount of \$250 + GST*)

Master Electrician Course : February 4th - 9th, 2019 (Edmonton , 6 day intensive 8 am - 4:30 pm) Regular Student Course Fee: \$950 + GST. ECAA Members only pay \$900 + GST. (*Member Discount of \$50+GST*). For more information or to register contact schawla@atticanada.com

The revised definition for a Potentially Serious Incident (PSI) is now posted on the Government of Alberta's website.

<https://www.alberta.ca/report-potentially-serious-incidents.aspx>

Energy Efficiency Campaign Launches. The Government of Alberta has launched a new marketing campaign designed to increase awareness of the benefits of energy efficiency for homeowners, renters and small businesses. **Phase 1** of the campaign: Albertans Like You, will run until January 14, and includes social and digital ads directing to a website landing page that links to the Annual Report, plus information on residential programs and Business Energy Savings. The soon-to-be-launched Efficiency Professionals Network and customer newsletter sign-up will also

be promoted. **Phase 2** will run January 15 until February 28. This phase is more comprehensive, with a focus on education - how to be more energy efficient. It will include social and digital ads, plus ads on YouTube and in movie theaters, arenas and community newspapers. A custom web tool is also being developed to provide personalized education tips and incentive information. The campaign is active across all channels including Facebook, Twitter, LinkedIn and Instagram. Check out you.encyalberta.ca to learn more.

2019 Alberta Energy Efficiency Summit will take place on February 26-27, 2019 at The Westin Edmonton and offers two days of insightful discussion, professional development and networking. The deadline to register and save with **early bird pricing is Wednesday, January 16th, 2019. Keynote speakers include:** Monica Curtis, Energy Efficiency Alberta; Corey Diamond, Efficiency Canada; Philippe Dunsky, Dunsky Energy Consulting; Graeme Feltham, ATCO; Stuart Galloway, Energy Services Association of Canada; Jesse Row, Energy Efficiency Alberta. To view the full program click [here](#). For more information and registration visit <https://energyefficiencysummit.ca/>

The IES Illumination Awards program recognizes individuals for professionalism, ingenuity and originality in lighting design based on the individual merit of each entry. Judges are selected from a broad professional spectrum, representing knowledge of lighting and design excellence. The judging system is entirely based on how well the lighting design meets the program criteria. 2019 marks the 46th anniversary of the IES lighting awards program.

Submissions are now open:

Early Submissions: January 2 - February 1, 2019 (\$150 fee)

Regular Submissions: February 2 - 15, 2019 (\$200 fee)

For more information and submission requirements visit <https://www.ies.org/events/illumination-awards/>.

Alberta Chamber of Resources AGM and Awards Banquets is coming up on February 1st, 2019. More detailed information for each event is available at <https://www.acr-alberta.com/events/acr-2019-agm-awards-banquet/>

Annual General Meeting

Date: February 1st, 2019

Venue: Shaw Conference Centre, Edmonton AB

New Time: Coffee & Networking at 10:30am, Meeting & Panel

Session from 11:00am until 3:30pm

Cost: \$100 (+GST) per person

An industry panel session will take place in the afternoon with representatives from the Canadian Association of Petroleum Producers, Canadian Energy Pipeline Association, Forest Products Association of Canada and the Mining Association of Canada.

Awards Banquet

Date: February 1st, 2019
Venue: Shaw Conference Centre, Edmonton AB
New Time: Reception begins at 5:30pm, event commences at 6:30pm until 9:30pm
Cost: (\$185 + GST for a table of 8 - a savings of \$20 per seat or \$205 PP +GST)

Evening highlights include:

- Presentation of the Resource Leadership Award to Steve Williams
- Presentation of the Indigenous Resource Leadership Award to Jessica Vandenberghe
- Keynote Speaker - The Right Honourable Stephen Harper - Canada's 22nd Prime Minister to speak on "Right Here, Right Now - Future of Populism in the age of disruption"

More detailed information for each event is available at <https://www.acr-alberta.com/events/acr-2019-agm-awards-banquet/>

Fuzzy Risk Analyzer for Construction Project Risk Analysis is a database-driven software tool for assessing project risks and opportunities and calculating contingency. It allows users to express the probability and impact of risk or opportunity events using their own language. This approach to risk analysis does not require historical data yet it provides results similar to Monte Carlo simulation-based risk analysis.

WORKSHOP and LUNCHEON: Fuzzy Risk Analyzer® for Construction Project Risk Analysis; DATE: Thursday, February 28, 2019
TIME: 9:00 am - 1:00 pm (lunch at 12:00 pm); LOCATION: Room 7-395, 7th Floor, Donadeo Innovation Centre for Engineering, University of Alberta, 9211-116 Street Edmonton, AB T6G 1H9. To register, please contact Sarah Miller (semiller@ualberta.ca or phone 780-492-1228). There is no cost to attend the workshop and luncheon.

Provincial Board Update

A meeting was held on Thursday, December 6th in the ECAA Boardroom. President Tim Tarita called the meeting to order at 10:40. In attendance were Terry Barnett; Tim Brundage; Jason Burke; Darrell Castor, PEC; Bob Clarke; Joe Davis; Eric Fadden, PEC; Tim Fehr; Dave Hagen; Scott Hutton; Jay Kuystermans, PEC; Jeff Light, PEC; Rob Little; Bob Maslanko, PEC; Andrew McGuire; Terry Milot; Chris Rauschnig, PEC; Susan Rockwood; Darcy Teichroeb, PEC; Brandon Thoma, PEC; Hans Tiedemann; Keith Urlacher; Darrell Warholik; Steve Warholik; and Sheri McLean, Recording Secretary.

Agenda items included approval of agenda and October 19th minutes. Update provided on the 40-hour fire alarm course that will be offered by ECAA for out-of-Alberta journey person electricians to enable them to receive their PIN number (also a refresher course for industry). Alberta starting the first student Chapter of CECA in Western Canada which will be set up at the University of Alberta. The chapter is recognized by NECA, who

will make their courses available to the students. ECAA was asked to forward a request to members to send in comments to Minister Bill Moreau expressing support for prompt payment legislation on federal construction projects. Responses back to our members stated the letter should have been sent to the Minister of Public Services, Procurement and Accessibility.

Notification received on ECAA's 2018 AIT & RAP scholarship recipients. These individuals will be asked to attend the Awards Luncheon in Jasper in May. **CONGRATULATIONS TO:** Mitchell Richard (Grande Prairie) ECAA & NW Chapter Alberta Apprenticeship scholarship recipient; Albert Fleet (Calgary) ECAA Alberta scholarship recipient; Jason Brand (Red Deer) IBEW Local 424/ECAA Alberta scholarship recipient; Brandon Marshall (Edmonton) 2018 Registered Apprenticeship Program (RAP) scholarship recipient; Chet Henderson (Grande Prairie) 2018 Registered Apprenticeship Program (RAP) scholarship recipient.

Convention 2019 registration package approved. December Wood Gundy investments reviewed as well as October financial statements. 2019 budget approved. Membership and PEC applications approved.

All Chapter and Committee reports were included in the recent Contactor. Presentation to Board by Terry Becker on importance of employers and employees being aware of arc flash and shock requirements. One day low voltage course scheduled in each of the Chapters.

Z462 and Z463 now a National standard in Canada. 2018 Edition of IEEE 1584 Guide for Performing Arc-Flash Hazard Calculations recently published. "The new edition is based on more than 2000 tests spanning a wide range of voltages, configurations and parameters, and features more detailed model and new equations.

One of the major changes is introduction of new electrode / bus configuration. The 2002 edition was based on arc flash tests with electrodes in a vertical orientation. To provide greater modeling flexibility for equipment, five different electrode/bus configurations have been included in the testing program and subsequent model development which include:

- VCB - Vertical electrodes in a metal box/enclosure
- VCCB - Vertical electrodes terminated in an insulating barrier in a metal box
- HCB - Horizontal electrodes in a metal box
- VOA - Vertical electrodes in open air
- HOA - Horizontal electrodes in open air

The IEEE 1584-2018 model features a more accurate arcing current variation based on the electrode configuration as well as other factors. The variations that occur in the actual arcing current may have a major impact on circuit protection device operating time, arc duration and calculated incident energy. Also, an enclosure size correction factor has been introduced to address the impact of enclosure size on the arc flash energy being expelled and reaching a worker."

Meeting at 2:00 pm. Next Meeting: Friday, January 18th, ECAA Provincial Office

Local Chapter Activity

CALGARY: Next meeting **Thursday, January 10th** Best Western Port O'Call Hotel.

Pre-Meeting Presentation at 5:00 pm: Barry Lawrence, Bastion Safety

Topic: Killing You Softly - An Introduction to Occupational Hygiene

Chapter Meeting & Dinner 6:00 pm

Guest Speaker: Allstate Insurance

Topic: Preferred Pricing for You & Your Employees

Meeting Sponsor: Schneider Electric, Rob Little

EDMONTON: Next Meeting **Monday, January 21st**, Chateau Louis Hotel & Conference Center.

Pre-Meeting Presentation 5:00 pm: Epcor, City of Edmonton and Inspections Group

Guest Speaker: Sunlife Insurance and Careers: The Next Generation

Meeting Sponsor: Sunlife Insurance

Join us for the Edmonton Chapter President's Ball on Saturday, January 19th, 2019. The annual ball is hosted by Edmonton Chapter President Jay Kuystermans. Dinner and Dance featuring Musical Guests: The Scoundrels. Click on the following link to purchase your tickets: <http://events.ecaa.ab.ca/events/edmonton-chapter-presidents-ball-2/>

FORT McMURRAY: NEW Meeting Date: Next meeting is **Thursday, January 24th**, Best Western Plus Sawridge & Suites Chapter Meeting starts at 6:00 pm.

Section 10 Canadian Electrical Code Session: Please join us for an in-depth Q&A discussion on Section 10 of the Canadian Electrical Code prior to the Fort McMurray Chapter Meeting. **Time: 1:30 pm - 5:30 pm.** FREE for ECAA Members; \$25 for non-members. (Registration:

<http://events.ecaa.ab.ca/events/section-10-canadian-electrical-code/>)

Guest Speaker: Barry Lawrence, Bastion Safety

Topic: Killing You Softly - An Introduction to Occupational Hygiene

LETHBRIDGE: Next meeting is **Wednesday, January 9th**, Lethbridge Lodge

Guest Speaker: Terry Becker, Danatec Educational Services

Topic: CSA Z462 2018 & Electrical Safety Program for Contractors

1 Day Low Voltage Arc Flash & Shock Training Session January 9th at the Lethbridge Lodge ECAA Member Cost

\$350. **Register:** <http://events.ecaa.ab.ca/events/1-day-low-voltage-arc-flash-and-shock-training-course-lethbridge/>

Professional Electrical Contractor (PEC) Courses

[2019 PEC Course Schedule and Registration](#)

Legal Implications Thursday, February 7th & Friday, February 8th, 2019 (Instructors:

Trevor Goulet, Michael Bokhaut and Matthew Kachur)

(EDMONTON) This course will increase your awareness and understanding of legal issues and pitfalls common to electrical contractors. The course will also address incorporation, income tax and GST, construction contracts, subcontracts and liability thereunder as well as how to ensure payment for your work - including remedies available under The Builders' Lien Act.

Basic Electrical Estimating (BEE) Thursday, February 21st & 22nd, 2019 (EDMONTON)

For small contractors who are not ready to make the investment in a computerized estimating system. Designed to teach new contractors the fundamentals of preparing an electrical estimate using the Elemental Format hands-on. The course will address material take-off, pricing of materials, labouring of materials using the NECA Manual of Labour Units, labour costs, special overheads, general overheads and profit/contingencies.

Safety Principles Thursday, February 28th & Friday, March 1st, 2019

(Instructor: Barry Lawrence) (CALGARY) Legislation recognizes a PEC as an "Employer". This course lays the groundwork to develop a successful safety program, and mitigate additional employer risk. We'll learn to identify common gaps found in safety systems, simple ways to interpret legislation, and many other valuable tools including: OH&S Obligations (Employer & Worker); Employee Competency; WCB Expectations; Claims Management Strategies; CSA Z463 & Z462.

*****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

ESTS 2018 Update Available. The newest version of our 2018 compliant ESTS course was developed for workers that perform energized electrical work. The overall course content was developed using industry accepted best practice standards as the underpinning in support of meeting Provincial or Federal regulatory due diligence for arc flash and shock.

ONLINE TRAINING -- ECAA MEMBER DISCOUNT AVAILABLE!

use Promo Code ECAA2018!

E-Learning Courses Available:

- ESTS Electrical Worker Canada 2018
- ESTS Electrical Worker USA
- ESTS Non-Electrical Worker Canada and USA
- 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)

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

Essential Skills Training Help Employers Develop Their Staff

Essential skills are used in every task a worker performs. Workers use essential skills to complete simple tasks, such as filling out a form or giving a verbal update at a meeting, to more complex tasks, such as writing an operational plan with sophisticated computer software. Employees need essential skills in order to perform their current jobs competently and to learn new skills to advance in their careers.

One project AWES is working on is Skilling UP, an innovative workplace training approach funded by the Government of Canada, through the Office of Literacy and Essential Skills (OLES), designed to increase the workplace essential skills of employees in the manufacturing sector.

Skilling UP offers essential skills training that are tightly tied to workplace procedures and documents determined through an extensive organizational needs assessment. It is aligned to current essential skills levels and organizational goals within the company.

The Alberta Workforce Essential Skills Society (AWES) is a non-profit organization focused on training, research and curriculum development. AWES specializes in developing customized essential skills training solutions for organizations, employers and practitioners.

AWES has begun posting a series of blog posts and case studies reflecting on each partner's experience with the Skilling UP Essential Skills training project. Click [here](#) to find out more about what they offer.

More information can be found at the links below:

[AWES Website](#)
[Essential Skills 101](#)
AWES on [Twitter](#)

New Course On Seismic Design Being Offered

The Canadian Society for Civil Engineering is offering a course on performance-based seismic design of tall reinforced concrete buildings as part of a continuing education course.

This course covers detailed information from the conception to the final design of a Reinforced Concrete Shear Wall building using a performance-based seismic design (PBSD) approach. It includes hands-on experience in the application of PBSD on several building projects on the West Coast of USA. It goes over the concept of PBSD, its development and key aspects of the general approach. It also presents an overview of the latest PBSD guidelines currently used and a brief review of current code requirements and how they differ from the PBSD approach.

The instructor is Freddy Pina, Ph.D., P.Eng., President of PBRV Consulting Ltd., a company that offers professional services to structural engineering firms with the main focus being in the seismic design of tall buildings using a performance-based design approach and in the assessment of the potential risk of failure or damage of existing buildings. Dr. Pina has been involved in the seismic design of numerous tall buildings as well as in the seismic risk assessment of several existing buildings. He is also an Adjunct Professor at the University of British Columbia.

Please click [here](#) to view the brochure and to register.

For more information and news from Alberta Construction Association visit <http://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 February 8th, 2019.



ECAA

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