



ECAA

Electrical Contractors
Association of Alberta

THE SPARK

ECAA NEWSLETTER

September 7th, 2018

Issue 91

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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

Greetings to all,

The warm summer months seem to slip by so very quickly, we pack so much into summer that it just fades into memory. "Life is what happens to you while you're busy making other plans", John Lennon.

The ECAA Chapter activity is about to begin again, and with it familiar faces and new acquaintances gather for local chapter meetings, industry nights, training days and other special events throughout the fall, winter and spring.

I had the privilege to travel to Fort McMurray to attend the Wood Buffalo Apprenticeship Golf Tournament on August 15th. This was an exceptional event with fantastic weather and a host of great people to network with. A huge thank you, and much applause goes out to Mr. Tim Brundage, and the Fort McMurray crew. Job well done!



The Chapter meetings are about to begin again. Calgary September 13th; Edmonton September 17th; Fort McMurray on the 18th; North West on the 19th and Central on the 26th. Ending the month we are in Calgary for a Stampeders game on Friday the 28th. A few tickets are still available if you would like to join the Calgary Chapter on the Telus Patio for a 7:00 game time. The ECAA is excited about hosting another Chapter meeting in Medicine Hat on October 9th. With many contractors and journeymen

[Code Seminar Registration Form](#)

MEETINGS

September 13th, 2018
CALGARY CHAPTER

September 17th, 2018
EDMONTON CHAPTER

September 18th, 2018
FORT McMURRAY CHAPTER

September 20th, 2018
NORTH WEST CHAPTER
Grande Prairie

September 26th, 2018
CENTRAL CHAPTER
Red Deer

**29th Annual Bob Carson
Classic
Golf Tournament**
Wednesday, Sept. 12th, 2018
Highlands Golf Course

**ECAA 2018-2019
Board of Directors**

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

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thirsty for information, along with a venue to connect and talk about industry related topics, this should be the restart of a great chapter.

Our first Provincial Board Meeting is on September 11th. This meeting will be held in the Stars Air Ambulance Building at the Edmonton International Airport. I am looking forward (with glazed over eyes), to this meeting, as it's the first Provincial Meeting in which I get to chair. I am sincerely thrilled to be a part of such a meaningful Association.

September 12th, the Highlands Golf Course is the venue for the 29th Annual Bob Carson Classic Golf Tournament. This promises to be another great event, with great people and always fun, energetic conversations.

As always a huge "Thank-you" goes out to the ECAA staff, without which we would simply be lost. The people, (Sheri, Christine, Camille, Dorothy and Tammy) work tirelessly to ensure that the ECAA never sleeps, and to signify that we are "The Voice of the Electrical Industry in the Province of Alberta".

Until next time, be safe and God bless.
Yours respectfully,

Tim Tarita
ECAA Provincial President

Electrical Safety Program "Product in a Box"

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

COURSE DATES:

October 30th, 2018 (CALGARY)
November 13th, 2018 (FT McMURRAY)
November 20th, 2018 (EDMONTON)
January 9th, 2019 (LETHBRIDGE)
February 21st, 2019 (GRANDE PRAIRIE)
March 19th, 2019 (LLOYDMINSTER)
March 20th, 2019 (RED DEER)

Course Overall Objectives:

- Understand what an Electrical Safety Program (ESP) is, and how it's applied to energized electrical work tasks.
- Be aware of relevant Codes, Regulations and Standards related to electrical safety in the workplace, with special emphasis on Provincial OH&S Regulations and the application of the CSA Z462 Workplace electrical safety Standard;
- Understand what energized electrical work is;
- Gain an understanding of the electrical hazards of Shock, Arc Flash and associated Arc Blast;



- Apply a Risk Assessment Procedure to energized electrical work tasks, following a 'Work Flow Process';
- Learn how to apply the Hierarchy of Risk Control Methods (e.g. both preventive and protective) to reduce the risk level of an energized electrical work task;
- Apply the CSA Z462 Workplace electrical safety Standard and the Process for 'Establishing and Verifying an Electrically Safe Work Condition'
- Apply the CSA Z462 Workplace electrical safety Standard when there is 'Work Involving Electrical Hazards';
- Learn what elements of control are involved in the 8-step Process for Establishing and Verifying an Electrically Safe Work Condition;
- Learn when an Energized Electrical Work Permit is required;
- Complete Arc Flash & Shock Risk Assessments for energized electrical work tasks using the tools in CSA Z462 to determine "Additional Protective Measures" to reduce risk;
- Understand Warning & Danger Equipment Labels or Arc Flash Incident Energy Analysis Report Results Tables for electrical equipment for Arc Flash & Shock, and know how to use the information provided to determine "Additional Protective Measures" to reduce risk;
- Understand the Arc Flash PPE Category Method for determining Arc Flash PPE to apply to the work task's Arc Flash Risk Assessment;
- Provide students with flow charts and forms that can be used in the workplace to document electrical risk assessments;
- Write an Electrical Safe Work Procedure for energized electrical work tasks;
- Gain knowledge on Electrical Specific PPE Tools & Equipment with specific reference to CSA Z462 Workplace electrical safety Standard, Clauses and Annexes and applicable Standards: and

For more information please contact ECAA directly. Stay tuned for registration information.

Getting to Know Your Associates

World Financial Group specializes in helping business owners and individuals save money, save taxes and put proper protection in place to protect you and your family. As an independent broker with access to over 50 Financial Companies, we shop the market and get the best rates, returns and products to maximize your time and money.

- Retirement Planning
- Investments
- Investment Tax Shelter
- Life Insurance
- Disability Insurance
- Critical illness insurance
- Individual/ Group Health Benefits
- Funeral Planning

Contact:

Jeff Knox, PEC Proud ECAA Member for 10 years
Independent Financial Broker

120, 4803-87 Street
Edmonton, Alberta, T6E 0V3
Office: (780) 229-3356
Cell: (780) 777-3523
jknox09gwdc@wfgmail.ca

Industry News

Last Call to Register! Bob Carson Classic Golf Tournament taking place on Wednesday, September 12th at the Highlands Golf Course. There are still a few spots available. Contact the office directly to register.

CALL FOR SPEAKERS! Preparation and planning is underway for Training Day 2019. We are looking for suggestions on presentation topics. Training Day will take place Friday, May 31st, 2019 at the Jasper Park Lodge. Suggestions can be emailed to Larry Cantelo lcantelo@shaw.ca

ECAA has partnered with Mechanical Contractors Association to offer a two hour educational seminar which is open to members and their staff. Time & Priority Management will be offered on Tuesday, September 25th (8:30 am - 10:30 am).

Time is truly a non-renewable resource; once it's spent, it's gone. This interactive workshop will provide you with tools to help you decide what to do and when to do it so you can re-gain control over your workday (and your life).

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

- Explore their relationship with time & personal priorities
- Identify common "time wasters" and interruptions in the work environment
- Analyze whether they waste other people's time unintentionally
- Apply strategies for effectively managing time, including:
 - Determining important vs. urgent matters (proactively)
 - Using quick decision-making system (reactively)

[Time & Priority Management](#)

Click on the following link to register: <http://events.ecaa.ab.ca/events/time-priority-management/>

Canadian Electrical Code Seminar. September dates now full; accepting registrations for 2018 and 2019. This course is approved by Safety Codes Council for Master Electricians, SCO's, PEC's, CME's & RME's.

[Code Seminar Registration Form](#)

Have you purchased your tickets yet? 8th Annual Building Magic in Air Gala on Saturday, October 20th at the Chateau Lacombe Hotel in Edmonton. **STARS** has teamed up with the Construction Industry for the past 8 years in hosting this gala to help raise funds to keep STARS in the sky. **We have raised close to \$1 million dollars** through this event and hope to reach this milestone this year! **Funds raised will help purchase**

helmets for the medical team and pilots as well as night vision goggles. Each helmet costs STARS approximately \$3500 and each pair of night vision goggles costs approximately \$18,000!

- Tickets are \$150 each with a \$50 tax receipt
- Tables are \$1200 and \$1500 each (tax receipts are \$400 and \$500)
- Sponsorship Opportunities available as well

Sponsorship information and tickets can be purchased at www.buildingmagicgala.ca

Registration is now open to attend the Construction Owners Association of Alberta Annual General Meeting on October 10th in Calgary, Alberta. A detailed agenda will follow at a later date. This is a great opportunity to catch up on COAA initiatives, as well as to network with colleagues from across the industry. We encourage you to bring a colleague from your company or project team - perhaps even a "rising star" who you would like to become familiar with COAA.

Date: Wednesday, October 10, 2018
Networking & Coffee: 8:30AM - 9:00AM
AGM: 9:00AM - 1:00PM (including lunch)
Location: ConocoPhillips Canada Auditorium 3rd Floor, 401 - 9th Avenue SW, Calgary, AB)
Cost: COAA Member Companies may attend at no cost. Non-COAA Members have a charge of \$75 per person.

More details, including registration, are available at <https://www.coaa.ab.ca/events/2018-coaa-annual-general-meeting/>. Be sure to secure your spot soon - registration will close on October 3, 2018.

The Canadian Institute for Energy Training (CIET) has entered into a partnership with Energy Efficiency Alberta to provide a series of energy-related training sessions from February 2018 through March 2019. This partnership offers affordable training to residents of Alberta who want to increase their capacity to understand, engage in, manage, and measure the performance of energy efficiency projects. The courses offered in the province are organized to be highly relevant and suitable to individuals working in the Residential, Commercial, Industrial, Oil & Gas, Governmental and Service Provision segments, and will apply to a number of roles and technical backgrounds. Sign up today while your preferred courses and savings are available! <http://bit.ly/AlbertaEnergyTraining>

Provincial Board of Directors Update

Next meeting: September 11th, 2018 at the STARS base.

Communications Update

A survey has been sent out to our Associate Members on a new communications initiative. Please take a moment to fill out the survey.

As an Associate member we value your feedback and welcome your suggestions and input.

On behalf of Darrell Warholik, Rob Little and Bob Clarke, thank you for your continued support.

If you did not receive the survey invitation please email chryniw@ecaa.ab.ca

PEC News

ECAA is currently looking for an experienced Electrical Estimator to teach the Basic Electrical Estimating (BEE) course. This course was developed for small contractors who are not ready to make the investment in a computerized estimating system and 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.

Commitment is a minimum of 4 two-day courses per year.

For more information or to submit a resume please contact Sheri McLean Smclean@ecaa.ab.ca

Local Chapter Activity

CALGARY: Next meeting **Thursday, September 13th** Best Western Port O'Call Hotel.

Pre-Meeting Presentation at 5:00 pm: Brad Barrett, PowerCo

Topic: Cable Bus Applications

Chapter Meeting & Dinner 6:00 pm

Guest Speaker: Tim Renaud, Convergent/Honeywell.

Topic: Wireless Fire Alarms

Join us for food, fun and football on the Telus Patio, Friday September 28, 2018 as the Calgary Stampeders take on the Toronto Argonauts, McMahon Stadium. Tickets include game admission and food (beverages extra). [2018 Calgary Stampeders vs Toronto Argonauts](#)

- private field view
- delicious menu options
- all you can eat food
- tables of 6

Tickets Still Available. [Reserve Today Online!](#) or contact Camille (caustin@ecaa.ab.ca) McMahon Stadium: 1817 Crowchild Trail NW, Calgary, AB T2M 4R6. *Pre-purchased tickets can be picked up at Chapter Meeting on September 13th.*

CENTRAL: Next Meeting **Wednesday, September 26th 5:30 pm** at the Holiday Inn South Red Deer.

Guest Speaker: John Mathews, Rotaflow Controls

Topic: New Fire Protection Technology

Meeting Sponsor: Rotaflow Controls

EDMONTON: Next Meeting **Monday, September 17th**, Chateau Louis Hotel & Conference Center.

Pre-Meeting Presentation 5:00 pm: Brad Barrett, PowerCo

Topic: Cable Bus Applications

Chapter Meeting & Dinner 6:00 pm

Guest Speaker: Tim Hydzik, Prolux

Topic: Lighting & Controls

Meeting Sponsor: PowerCo

FORT McMURRAY: Next Meeting Tuesday, September 18th 6:00 pm at Laird/Stuart Olson Board Room (Bay 45 925 Memorial Drive).

Guest Speaker: Tim Hydzik, Prolux

Topic: Lighting & Controls

Meeting Sponsor: Prolux Lighting

Wood Buffalo Apprenticeship Golf Classic Thank you to everyone that came out and participated at this years Wood Buffalo Apprenticeship Golf Classic. **With your participation and support we were able to raise \$7,000!**

NORTH WEST: Next meeting is **Thursday, September 20th 5:30 pm**, Pomeroy Hotel in Grande Prairie.

Guest Speaker: Tim Hydzik, Prolux

Topic: Lighting & Controls

Meeting Sponsor: Prolux Lighting

Grande Prairie Area Solar Code Workshop for Electrical Inspectors.

This 7 hour workshop will provide Group A Electrical Safety Codes Officers (Electrical Inspectors) with the 2015 and 2018 Canadian Electrical Code updates for solar electricity, and will include inspector's checklists, which address the most crucial inspection points of the four typical solar photovoltaic system types. Participants will receive a certification of completion upon passing a one hour exam at the end of the workshop.

Free to Alberta Electrical Inspectors and includes lunch. This workshop will take place on **Thursday, October 11th at the City of Grande Prairie Service Centre in room 101M.** [REGISTRATION LINK](#)

Professional Electrical Contractor (PEC) Courses

[2018 PEC Course Schedule and Registration](#)

Basic Electrical Estimating (BEE) Thursday, September 13th & Friday, September 14th, 2018 (Calgary) Instructor Pat Barnes. 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.

Business & Public Relations Thursday, September 20th & Friday, September 21st, 2018 (Edmonton) Instructor Brian McCready. 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.

Legal Implications Thursday, October 25th & Friday, October 26th, 2018 (Calgary) Instructor Trevor Goulet. 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.

****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.

Learning Objectives for Qualified Electrical Workers

- Explain the Regulations and Standards applicable to their role and responsibilities.
- Identify and understand electrical hazards and risk assessment.
- Effectively manage electrical hazards by following the Work Flow Process to safely execute energized electrical work.
- Learn how to complete an Arc Flash Risk Assessment and Shock Risk Assessment as part of an overall Risk Assessment Procedure (RAP).
- Apply preventive and protective control measures to reduce risk.
- Understand electrical incident emergency response and incident reporting requirements

**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

Province 1st Quarter Reveals Slightly Improved Fiscal Picture

On Friday, August 31, the government of Alberta released its first quarter fiscal update.

The government predicts Alberta will be a leader when it comes to economic growth this year and next. The 2019 forecast has been revised upward to 2.7 per cent GDP growth. The number of rigs drilling in Alberta was up 6.7 per cent year-to-date. In other oil-producing provinces, the measure was down 9.7 per cent.

Total revenue projections have grown by \$1.2 billion with personal income tax revenues and resource royalties recovering better than expected.

Highlights:

- Average weekly earnings in Alberta have seen solid growth this year, increasing by 3.2 per cent as of May.
- Employment is up 1.7 per cent year-to-date, with full-time gains accounting for the entire increase.
- The number of rigs drilling in Alberta was up 6.7 per cent year-to-date. In other oil-producing provinces, this measure was down 9.7 per cent.
- Wholesale trade remained solid in the first half of 2018, and is up 7.9 per cent year-to-date.
- Manufacturing shipments are up 5.4 per cent year-to-date, and are less than five per cent below the July 2014 peak.
- The total output of crude oil is up 9.8 per cent year-to-date, with gains in both conventional and non-conventional production.

- Alberta's population continues to expand faster than the national average. It is estimated that the provincial population increased by 62,000 people between July 2017 and June 2018.

You can read the full update [here](#)

Tech Adoption Is the Face of a New Generation

Stacy Scopano, vice president of innovation at Skanska USA, in a speech to the Associated General Contractors IT Forum claimed that with the pace of technical changes in the world "disruption is the new normal."

The construction industry is now experiencing "peak disruption," Scopano said. He described how the new generation would force even faster change on the industry in an article published in [Construction Dive](#).

He claimed that the massive demographic shift that's bringing Generation Z into the workforce as baby boomers phase out will shift the workforce into areas undreamt of previously. And the tools this next generation will use will be very different from what was in vogue even a decade ago.

A Gen Z high schooler, Scopano said, "can just download a free [CAD] kit, 3D-print it and expect the world to operate differently. And we've got to fund it."

You can read the full article [here](#).

Green Construction: Zero Emission Vehicles

Earlier in the spring of 2018 German manufacturers Intermat introduced a new construction vehicle which packed a powerful punch in a very small package. The all-electric EZ17e mini-excavator. It is one of the first zero emission vehicles of its kind yet it offers power and performance on par with its gas powered cousin.

According to On Site Magazine, the EZ17e is scheduled to launch in Europe next year and will reach the North American market in late 2019 or early 2020. The company saw this as an opportunity to introduce a vehicle which is relatively quiet, maintenance light and offered a way for construction companies to meet more and more stringent carbon production regulations.

The EZ17e easily meets European Union standards set for noise and exhaust, something which is becoming more common in Canada. As inner-city construction demands a smaller footprint in demolition, the mini-excavator's small size and 1.7-ton weight makes it easier to transport on a trailer and operate in crowded urban settings.

The EZ17e's lithium-ion batteries offer up to seven hours of power and can be recharged overnight using a household electrical socket, or in four hours with a high-voltage current. The mini-excavator can also be connected directly to a power source for uninterrupted use.

This is just the beginning of this kind of smaller, electric powered vehicles which meet regulations while offering similar production.

Read the full article [here](#)

ACA Opposes Changes to the WCB Accident Fund

On August 10, 2018 ACA sent a letter to the Worker's Compensation Board (WCB) outlining the association's opposition to proposed changes to the WCB funding policy governing the Accident Fund.

ACA does not support WCB's proposal to define the Accident Fund as two distinct components: a Worker Benefit Fund and a Safer Workplaces Development Fund. ACA supports the intent to focus on an actuarially sound fully funded Accident Fund that covers current and future claims costs, and related administration and WCB services.

As ACA noted in the June consultation meeting with the WCB, the surpluses generated in 2015-2017 exceed existing investments of WCB premiums in safer workplaces. The creation of a segregated portion risks duplication with existing investments to improve safety such as the funded safety associations and the OHS Futures Fund and potentially weakens the link for employer to safely manage their worksites. It further may create an expectation of a continuous funding source and avoids the issue of funds exceeding quality applications. We believe the sustainability of the funding of the WCB Accident Fund is best maintained by managing funds as a single pool.

You can read the full letter [here](#).

ACA and WCB Expand Training Partnership

Supporting injured workers and maximizing employment of talent are at the heart of an expanding partnership between ACA and WCB.

ACA and the WCB recently launched an initiative to work with industry to retrain injured workers to entry level BIM practitioners. Herman Bruin of Bruin's Plumbing and Heating, former Chairman of ACA, ACSA, former Board member of Alberta Apprenticeship, and a former director of the WCB, responded by challenging ACA and the WCB to open the program to other occupations and all injured workers irrespective of occupational background. The WCB has readily agreed to expand the occupation list with estimator as the next occupation.

Employers that are interested in hiring an entry level estimator and potentially receiving WCB's Training on the job wage assistance should read the [program opportunity](#) and contact ken.gibson@albertaconstruction.net.

ACA Review Summarizes Emerging Skill Sets and Industry Responses for Alberta's Construction Industry

As part of ACA's vision of helping member companies seize opportunities and reduce risks they face, ACA's Board tasked the association to review recent studies on emerging skills for the global construction industry.

The [literature review](#) examined over a dozen studies from World Economic Forum and other sources. The picture that emerges is one of rapid change in which industry embraces skill sets to utilize digitization and automation to maximize productivity and encourage recruitment of new workers.

These findings support the direction of [Canadian Construction Association Roadmap for Change 2023](#) which envisions "Construction will be an employer of choice, attracting a diverse and tech savvy workforce".

The ACA report also provides a current snapshot of how Alberta Local Construction Associations are leaders in assisting members on this journey by offering courses, coordinating communities of practice, and partnering with outside sources of expertise.

ACA commissioned this review as one initiative in developing a broader workforce strategy to support members in achieving the vision.

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 October 5th, 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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