



ECAA

Electrical Contractors
Association of Alberta

THE SPARK

ECAA NEWSLETTER

February 5, 2016

Issue 60

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CE Code Seminar Dates

EDMONTON

March 5th, 2016

March 21st, 2016

April 18th, 2016

May 16th, 2016

June 20th, 2016

CALGARY

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

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

President's Message

Last weekend the ECAA Edmonton chapter hosted its annual chapter President's ball. Thanks to Edmonton chapter president John Knoll, Executive Director Sheri McLean, and everyone from the ECAA office for their assistance putting together yet another fine event. The evening was well attended, with great conversation, and I was also inspired by the number of younger members who were in attendance (that or I am just getting old!)



We can now announce that ECAA has partnered again with NAIT in answer to member requests and has arranged a 72 hour Master Electrician course (April 25-May 6). Please sign up soon if you have interest or spread the word of this opportunity. Specific dates, times, & cost are to be found further in this Spark or will be out soon. Additional member requested specific con-ed courses are also being considered (numbers and space permitting).

I have been in discussions with many of late who have concerns around what is being seen as a reduction in safety with some of the new and upcoming changes to section 10 (grounding). I will continue to look into these issues and consult with others who can either explain this as a needed "based in fact" improvement, boiling the issues down to where they make sense, or assist me in raising the flag if there truly is a concern with these changes. When the hair on the back of my neck stands up around an issue, I don't ignore it, I ask for a deeper explanation. And so stay tuned or if you have good insight, call me! It is the "safety first, & industry best" group approach to issues which makes me so proud of the ECAA and our

March 11th, 2016
May 12th, 2016
September 8th, 2016
November 10th, 2016

RED DEER
March 9th, 2016

LLOYDMINSTER
March 16th, 2016

FORT MCMURRAY
May 18th, 2016

MEDICINE HAT:
April 12th, 2016

[CE Code Registration Form](#)

EVENTS
Industry Night
Thursday, February 11th, 2016
Calgary, AB

Monday, February 22nd, 2016
Edmonton, AB

MEETINGS
CALGARY
Industry Night

EDMONTON
Industry Night

CENTRAL
Tuesday, March 8th, 2016

NORTH EAST
Wednesday, March 16th, 2016

FORT MCMURRAY
Tuesday, March 22nd, 2016

Upcoming Trade Shows

Fort Saskatchewan Career Fair
February 17th, 2016

membership stay positive, there may be too much oil around right now, but I see the price of beef is up? Have a rewarding month.

Keven Lefebvre, PEC
Provincial President

A Message from your Provincial Vice President

It has been a great experience serving on the Provincial Board or Directors for the past 3 years. This 5 year commitment includes one year in each of the following positions: Secretary, Treasurer, Vice President, President and lastly Past President.



I have found myself surrounded by great people who are passionate about giving back to the electrical industry. Each person brings their own perspective from their own background and experience.

Every area of the province is represented and each area has its own successes and challenges. Our ECAA offers an opportunity for everyone to share these common experiences with everyone in our industry in our great Province, Alberta. I have been watching President Kevin Lefebvre, Past President Darcy Teichroeb and our Executive Director Sheri McLean in an effort to see how I can contribute next year as your President. There are big shoes to fill.

This year I have been working with Sheri to arrange our 2017 AGM which will be held in Banff. Arrangements are starting to come together. In addition to the AGM arrangements I have been working with Dave Hagen on the "Safety Product in a Box". Dave and I went to the WCB and asked for some funding. WCB provided the ECAA with special dividend funds to help us get this program underway.

ECAA contracted with ESPS Electrical Safety Program Solutions. They provided us with a comprehensive Electric Shock and Arc Flash program. This program along with two presentations at each of our area Chapter meeting and a full day course at each of our area Chapter districts are included in the services that ESPS will provide.

I recommend that every ECAA contractor take a careful look at their safety programs to ensure that Electric Shock and Arc Flash are included. Many of us develop our safety program to conform to the COR requirements and to meet the minimum standards of the companies we contract with. These requirements are general in nature and may not address the hazards that our electricians may face when working with live equipment. Let's keep our people safe so they can go home to their families every night. The ECAA/ESPS program is available to a small contractor for \$ 500 and a large contractor for \$ 1,000. Please consider taking advantage of this heavily subsidized program offered by your ECAA.

Finally I must offer my congratulations to the Edmonton Eskimos for their fine performance at the Grey Cup this year. However I am from Calgary so... "Go Flames Go"

9:00 am - 12:00 pm

AEL Electrical Learning Expo
March 23rd, 2016

At your service,
Darrell Castor
Vice President Provincial Board of Directors

Greetings from Government

The Edmonton Chapter recently held their Annual President's Ball with approximately 180 members and guests in attendance! The ECAA received well wishes and greetings from Edmonton Mayor Don Iveson, MLA Dr. David Swann and MLA Rod Loyola was able to attend personally and bring greetings along with a framed congratulatory message to the ECAA on over 50 years representation of the Electrical Industry.

[Greetings from Mayor Don Iveson](#)

[Greetings from Dr. David Swann, MLA](#)

Thank you again to all of our sponsors for the evening and our members and guests who continue to make ECAA events memorable.

Industry News

Master's Course. ECAA has contracted with NAIT to provide a two week consecutive master's course on the 23rd edition of the CEC. Course date is April 25th - May 6th, 2016. Contact ECAA office for further information and to register. Maximum number will be 24 so register early to avoid disappointment. Take advantage of the Canada Alberta Job Grant for this course and apply today.

SAVE THE DATE: STARS Building Magic in the Air Saturday, October 22nd, 2016. Chateau Lacombe Hotel, Edmonton. Join the construction industry for an evening of mystery in support of STARS. Dress to impress for a night in disguise and enjoy delicious food, raffles, live and silent auctions and enchanting entertainment. Your support of the event helps keep STARS in the sky! We appreciate the support of our sponsors, live and silent auction donations and guests who attend our gala. We are now happy to accept sponsorship's, donations and ticket orders. Please fill out the attached forms and return them to magicgala@stars.ca

[2016 STARS Sponsor Package](#); [2016 STARS Sponsorship Form](#); [2016 STARS Ticket Order Form](#); [2016 STARS Auction/Raffle Form](#)

Canadian Electrical Code Seminar Dates.

We encourage you to register early as the seminars are filling up quickly. For a full list of dates where the code seminars will be held refer to the [Canadian Electrical Code Seminar Registration Form](#). These courses are approved by Safety Codes Council for Master Electricians and Safety Codes Officers in the Alberta. Copies of attendee certificates will be sent directly to Safety Codes Council following each code seminar. To pre-order a copy of the CE Code Book click [here](#).

Membership Renewals If you have not received your renewal notice or have any questions about your membership contact the ECAA Provincial

Office.

ECAA would like to congratulate Mr. Arthur Thormann on his new book titled "Honesty's Travesty", available for sale online at FriesenPress Bookstore. This book should be of particular interest to readers involved in the construction industry. Here is the [direct link](#). Share this link with your friends & family. Enjoy!

Electrical Inspectors Association of Alberta (EIAA) 20th Anniversary Annual Technical Conference February 12 & 13, 2016. For more information click on the following links [2016 EIAA Conference Registration](#) and [EIAA Full Conference Agenda](#).

Alberta Construction Safety Association (ACSA) AGM, Reception & Banquet, March 12th, Deerfoot Inn & Casino, Calgary. AGM @ 9 am; Reception & Banquet @ 5:00 pm. RSVP by Friday, February 19th, AGM@acsa-safety.org. Make hotel reservations directly @ 1-888-875-4667 and reference "ACSA" when booking.

Building Trades of Alberta Charitable Foundation is hosting their Annual Curling Funspiel Fundraiser on Saturday, February 20, 2016, Edmonton Garrison Memorial Golf & Curling Club (298 Falaise Avenue, Lancaster Park) Curling 1:00 - 5:00 PM ~ Dinner & Social 5:00 - 7:00 PM \$50 Per Curler - \$200 for Team of 4. Registration includes ice time, equipment rental and 3 course prime rib dinner. To register please contact Catherine at clunn@bta.ca by February 9, 2016.

Job Opportunity within Municipal Affairs. Alberta Municipal Affairs, Public Safety Division is hiring a Chief Building Administrator.

Reporting to the Director, Standards Development for Building/Fire & Accessibility, the Chief Building Administrator is appointed by the Minister of Alberta Municipal Affairs to administer building systems legislation; including the development of appropriate codes and standards to mitigate the risk to persons and property. Working alongside a team of building/fire code experts, the Chief Building Administrator advises the department and the Safety Codes Council Building Technical Council with respect to building standards and systems. The Chief Building Administrator works in collaboration with the Chief Fire Administrator and other Administrators and staff in support of ministry projects and coordinates with diverse stakeholder groups to support desired outcomes for public safety. For more information and to apply online visit www.jobs.alberta.ca and search for Job ID 1033940.

Building & Fire Inspectors are hosting an AHJ Development & Community Outreach Meeting in Fort McMurray, AB. Location: Fire Hall 5; Address: 200 Airport Road, Fort McMurray, AB
Registration: <http://www.firetechs.net/technicaltraining.asp>

Questions: tech@firetechs.net. **Tuesday, February 9, 2016, 7am - 5pm.** Day primarily for Building/Electrical Inspectors and people involved in new construction. PRIMARILY GEARED TOWARDS: Building Officials & Inspectors, Building Owners, Architects, Professional Engineers, Contractors. TOPICS INCLUDE: ABC 2014, CAN/ULC-S537-(13), CAN/ULC-S536-(13), NFPA 13(2013), CSA-B44(2007), CAN/ULC-S524-06(14), CAN/ULC-S561-03(13), CAN/ULC-S1001-11. **Wednesday, February 10, 2016, 7am - 5pm.** Day primarily for people responsible for

ongoing maintenance per the AFC. Building/electrical Inspectors are welcome to join. PRIMARILY GEARED TOWARDS: Fire Prevention Officers ,Building Owners ,Property Managers, Fire Protection Equipment Service Technicians. TOPICS INCLUDE:AFC 2014, CAN/ULC-S536-13, NFPA 25(2011), NFPA 10(2010), CSA-B44(2007), UL-300

Public can register for one day or both days. For more information & registration refer to <http://www.firetechs.net/technicaltraining.asp>.

AHJ BUILDING LIFE SAFETY EQUIPMENT & SYSTEMS INSPECTION OVERSIGHT COURSE BUILDING OFFICIALS & INSPECTORS

BLSESI-BOI COURSE - Individual Registration - \$65.00 (BOAA, EIAA, APEGA, AIA, ECAA Members - \$50.00) Special Group Rate is Available! CALL US! Ten Hours (One Day) **WHO SHOULD ATTEND?** Building Officials & Inspectors, Building Owners, Architects, Professional Engineers

Contractors. TOPICS INCLUDE: ABC 2014, CAN/ULC-S537-04(13), NFPA 13(2008), CSA-B44(2007), CAN/ULC-S524-06(14), CAN/ULC-S561-03(13), CAN/ULC-S1001-11. This is a fully interactive educational seminar which will discuss installation and Verification of Fire Alarm Systems (requirements for addressable systems, audibility and intelligibility testing), Commissioning requirements for Smoke Control, Elevator Control, Generator, Emergency Lighting, & Emergency Voice Communications, High Buildings & Lo-Rise Challenges, Sprinkler Systems, Extinguishment Systems, & Commercial Kitchen Fire Suppression. An operational POTTER PFC-8500 fully addressable fire alarm control will be featured to demonstrate Verification and Commissioning requirements!

What's in a Report? Identifying an Approved Person (or Agency). ULC's role in fire signal communication equipment and receiving centres. Explore the inter-relationship between: - passive and active life safety equipment & systems - National Building Code (as adopted in Alberta), & National Standards. Includes all course materials - Certificate of Attendance. This event is being hosted by Regional Municipality of Wood Buffalo

AHJ BUILDING LIFE SAFETY EQUIPMENT & SYSTEMS INSPECTION OVERSIGHT COURSE FIRE PREVENTION OFFICERS (BLSESI-FPO COURSE) - Individual Registration - \$135.00 (FPOA, FCA, CHOA, PAMA, BOMA, CFAA, & ASTTBC Members - \$90.00) Special Group Rate is Available! CALL US! Ten Hours (One Day) DRIVE CHANGE!

WHO SHOULD ATTEND? Fire Chiefs; Fire Prevention Officers; Building Owners; Property Managers; Fire Protection Equipment Service Technicians. TOPICS INCLUDE: AFC 2014, CAN/ULC-S536-13, CAN/ULC-S561-13, NFPA 25(2011), CSA-B44(2007), UL-300

This is a fully interactive educational seminar which will discuss inspection & testing of Passive Life Safety Systems, Fire Alarm Systems, Smoke Control Systems, Elevator Control, Generator, Emergency Lighting, & Emergency Voice Communications, High Buildings, Lo-Rise Challenges, Sprinkler Systems, Fire Pumps, Extinguishment Systems, Commercial Kitchen Fire Suppression. An operational POTTER PFC-8500 fully addressable fire alarm control will be featured to demonstrate daily, monthly and annual testing requirements. What's in a Report? Squaring the Tag! Identifying an Approved Person (or Testing Agency) ULC's role in fire signal communication equipment installation and receiving centres
Explore the inter-relationship between:- passive and active life safety equipment & systems- National Fire Code (as adopted in Alberta) &

National Standards - Owners, Property Managers & Fire Equipment Service Providers. Learn strategies for successful pre-intervention Determine priorities with respect to correcting and clearing identified deficiencies. Follow-up for the building owner, the psychology of price and the power of a recommendation. Includes all course materials, - Certificate of Attendance. This event is being hosted by Regional Municipality of Wood Buffalo.

Electrical STANDATA Update. The following new and revised Electrical STANDATA are now available on the Municipal Affairs website. [Click here](#) to go to the Electrical STANDATA page where you will be able to view or print copies.

REVISED:

CEC-2 [rev-9] General

CEC-4 [rev-8] Conductors

CEC-6 [rev-6] Services and Service Equipment

CEC-10 [rev-9] Grounding and Bonding

CEC-12 [rev-7] Wiring Methods

CEC-18 [rev12] Hazardous Locations

CEC-20 [rev-3] Flammable Liquid and Gas Dispensing and Service Stations, Garages, Bulk Storage Plants, Finishing Processes, and Aircraft Hangars

CEC-24 [rev-2] Patient Care Areas

CEC-26 [rev-6] Installation of Electrical Equipment

CEC-32 [rev-3] Fire Alarm Systems, Fire Pumps, and Carbon Monoxide Alarms

CEC-60 [rev-2] Electrical Communication Systems

CEC-62 [rev-4] Fixed Electric Heating System

NEW

VAR-CEC-6-112 Attachment of Overhead Service Conductors

VAR-CEC-10-700 Grounding Electrodes (number of rods)

Alberta Municipal Affairs: www.municipalaffairs.alberta.ca

Alberta Health is currently recruiting for public members to the Hearing Tribunal Roster and to the Health Disciplines Board. The Hearing Tribunal Roster is a list of individuals appointed by the Lieutenant Governor in Council under the Health Professions Act (HPA). The 26 health profession regulatory colleges governed under the HPA call upon the individuals appointed to the Roster to sit as public members on complaint review committees and hearing tribunals. The Health Disciplines Board is a quasi-judicial body established under the Health Disciplines Act (HDA). It hears appeals related to disciplinary and registration decisions regarding the three professions still governed under the HDA: paramedics, midwives, and acupuncturists. The competitions are posted on the Government of Alberta Jobs website at www.jobs.alberta.ca: Health Disciplines Board - Public Member - Competition #1033943; Tribunal Roster - Public Members - Competition #1033944. **Closing date for both competitions is February 18, 2016.**

Welcome A New Addition to the ESPS Team - Cody Johnson. Terry Becker, P. Eng., President and CEO ESPS Electrical Safety Program Solutions Inc. is pleased to welcome Cody Johnson as ESPS's Business

Development and Operations Manager. Cody's entrepreneurial experience and passion for safety adds a new perspective to our world-class training and customer experience. Cody will be responsible for Client Care across all product and services, including, Electrical Safety Consulting Services, Licensed Products and Training Solutions. In addition, he will forge new relationships for businesses requiring assistance developing and implementing an Electrical Safety Program.

REMINDER: The Alberta Chamber of Resources's 80th Annual General Meeting and Anniversary Banquet is fast

approaching. Registration: visit www.acr-alberta.com using VISA or MasterCard by February 12, 2016. **ANNUAL GENERAL MEETING On the agenda:** Minister of Alberta Economic Development and Trade, THE HON. DERON BILOUS; ANDREW BEATON, Vice President of the Alberta Geological Survey; JOHN MCDOUGALL, President of the National Research Council of Canada, and JUSTIN RIEMER, ADM, Alberta Economic Development and Trade, JIM ELLIS, President and CEO of the Alberta Energy Regulator; Keynote speaker KEN LUEERS, President of ConocoPhillips Canada; ACR President, LEON ZUPAN, will lead the morning's proceedings. **ANNIVERSARY BANQUET.** Keynote Speaker: PAT KIERNAN - Pat is a U. of A. business graduate who got his start with Alberta's news media before making it big in New York. He has strong ties to the ACR and Alberta's resource industry. **PROGRAM:** Hon. Deron Bilous, Minister, Alberta Economic Development and Trade will bring greetings from the Government of Alberta; Mayor Don Iveson will bring greetings from the City of Edmonton; ACR leadership will formally pass from Enbridge's Leon Zupan to McLennan Ross's Ron Kruhlak, and both will offer their thoughts on times past and times ahead. Our emcee will be Bridget Ryan, actor - director - producer - author - host, who is perhaps best known as Co-Host of CityTV's Breakfast Television. Award winning and talented local musicians: Chloe Albert (Nominated for her Dream Catcher album in the Adult Contemporary Album of the Year at the 2014 Juno Awards); Pianist David Fraser (winner of the 2014 Johann Strauss Foundation Scholarship for Piano); Carrie Day (Edmonton Music Awards Female Artist of the Year Nominee); Marty Pawlina (Canadian Singer/Songwriter offering a combination of folk, rock, pop and roots). **LOGISTICS** Date: Friday, February 19, 2016; Venue: Shaw Conference Centre, Edmonton, Hall D; AGM: Networking at 8:30 a.m., Meeting at 9:00 a.m.; A buffet luncheon and plenty of networking opportunities.; Tickets: \$105 (\$100 plus GST) per person; **BANQUET:** Welcome Reception at 5:30 p.m., Program at 7:00 p.m.; Tickets: \$195 + GST per person or \$1400 + GST for a table (8 seats)

The Alberta Electrical League is hosting its 22nd Annual Electrical Learning Expo on March 23, 2016, Westerner Park Prairie Pavillion in Red Deer, AB. Seminars will take place from 9:00 am - 4: 30 pm; Tradeshow from 11:00 am - 5:00 pm. For more information on registering as an exhibitor refer to the [Exhibitor Information Package](#). **REGISTER ONLINE** or Contact Tara Ternes 1-800-642-5088 info@elecleague.ab.ca for more information.

Professional Electrical Contractor (PEC) News

Congratulations New PEC's! Jeff McKenna, PEC #299; Harold Hiebert, PEC #300; Jason Hiebert, PEC #301; Dennis Lowe, PEC #302; Theo Scheerhoorn, PEC #303; Leslie Walker, PEC #304

Need APD Points?

The EIAA Technical Conference taking place on February 12th & 13th is an excellent APD point opportunity. Attendance at the technical conference all day on Friday will earn you 7 APD points and 4 APD points on Saturday.

Electrical Inspectors Association of Alberta (EIAA) 20th Anniversary Annual Technical Conference February 12 & 13, 2016. For more information click on the following links [2016 EIAA Conference Registration](#) and [EIAA Full Conference Agenda](#).

PEC Orders

The original style PEC Ring will no longer be available to order after December 31, 2016. As this ring will become a legacy piece in the Professional Electrical Contractor history, it will be retired. If you currently have the original style ring, or plan to order it within this year, it will still be available to re-order if lost or for warranty purposes.

The PEC Marketing Committee will be finalizing new designs to order so stay tuned!

Promotional items for PEC's are available to order. ECAA has partnered with Sunshine Promotions to offer affordable personalized apparel and accessories.

For more information or to place your order click on the following forms:

[PEC Ring, Stamp & Seal Order Form](#)

[PEC Promotional Materials Order Form](#)

News from Alberta Construction Association

2016 ACA AGM Report. The Alberta Construction Association Annual General Meeting was held on Friday January 29th, in Calgary. The meeting brought together the board, our associate members, and local construction associations from across Alberta and government representatives.

New chair Paul Verhesen is the president of Edmonton-based Clark Builders and former President of the Edmonton Construction Association (ECA). Paul has been involved in construction associations at every level in Canada. Dave Kinley moves to Past Chair, Paul Heyens is now the Senior Vice Chair, and Chris Ambrozic was named Vice Chair. Outgoing Chair Dave Kinley was honoured for his contributions to the ACA over the past few years. Denis Poitras was also recognised with the ACA Chair's Award for his work with our Safety WCB committee. This year's board will continue the progress made in 2015 as the ACA continues to build on relationships with our partners and government.

ACA Executive

Chair: Paul Verhesen - Clark Builders

Past Chair: Dave Kinley - Concept Electric

Senior Vice Chair: Paul Heyens - Alberta Glass

Vice Chair: Chris Ambrozic - Scorpio Masonary

[No Substantial Change in Royalty Review](#) The Alberta Government's Royalty Review Advisory Panel's recommendations to the province were made public last week. They concluded that Alberta's royalties are similar to other jurisdictions but that the industry's costs are higher. The panel recommended a modernized framework that sets drilling cost allowances for wells according to an industry-wide average. This will allow the industry to remain at the levels they were at previously on Royalties or possibly improve their position. Premier Rachel Notley said of the report, "Our new system will gradually deliver greater revenue to Albertans while building a more competitive energy sector enhanced by greater transparency and performance measurements to allow Albertans to hold government and industry to our commitments". To view the Royalty Review click [here](#).

[Government Announces Petrochemicals Diversification Program](#)

This week the province announced it would be seeking to create a diversification program around encouraging companies to invest in the development of new Alberta petrochemical facilities by providing royalty credits. The program is expected to support the construction of several petrochemical facilities that use methane or propane to produce the materials for products that include plastics, detergents and textiles.

The Government of Alberta will award royalty credits to select petrochemical facilities through a competitive application process. The total amount of the program is \$500 million. You can read more about the program [here](#).

[Construction Industry Innovations Make Life Long Learning Key](#)

A recent article in Construction World has stressed again how important lifelong learning can be for everyone. As changing technology, from 3D printing, drones, BIM and other changes happen it is important to continue to upgrade skills. The article uses The Future of Jobs Report issued by the World Economic Forum as a jumping off point to discuss how high technology will change the current workforce needs. As well as discussing how future "[T]echnological disruptions such as robotics and machine learning-rather than completely replacing existing occupations and job categories-are likely to substitute specific tasks previously carried out as part of these jobs, freeing workers up to focus on new tasks and leading to rapidly changing core skill sets in these occupations. "That could certainly be the case in construction with operators transitioning from working inside the machine to a command center where they oversee the operation of multiple machines with the help of telematics, automation and drone monitoring. And all of that require the development of new jobs and skill sets within the industry." You can read more on the article [here](#).

[BuildForce Canada Report Notes Economic Challenges](#)

Oil sands job losses, an aging workforce, the departure of out-of-province workers and the ongoing demand for workers to sustain and maintain projects are all behind complex shifts in Alberta's construction workforce,

according to the latest labour market forecast released today by BuildForce Canada. "A skills vacuum is a real risk with the exodus of thousands of interprovincial workers within and outside the resource industry," said Rosemary Sparks, Executive Director of BuildForce Canada. "The loss of as many as 36,000 skilled workers retiring this decade makes it even more challenging to replace that kind of experience." BuildForce Canada's 2016 2025 Construction and Maintenance Looking Forward forecast shows that declining oil prices are driving employment lower across all construction sectors, with the projected loss of 31,000 jobs from the peak in 2014 to 2019. Even as Alberta's economy weakens, however, there is work in sustaining capital, maintenance, shutdowns/turnarounds and outages for skilled trades such as boilermakers, pipefitters and specialty welders. BuildForce Canada's annual forecast also shows:

Oil sands construction:

- Labour requirements decline by 28 percent from the peak in 2014 to 2020. A gradual increase in oil prices restores confidence with new investment in the oil sands in 2020.
- Employment follows, with gains of 4,000 jobs from 2020 to 2025, primarily in sustaining capital and maintenance.

Non-residential construction:

- Investment and employment mirror the oil sands cycle with job losses that total 16,500 by 2019 compared to the 2014 peak. As markets improve after 2020, employment rises by 12,000 by the end of the scenario period in 2025. Low oil prices that prompted a decline in engineering, institutional and industrial construction in 2015 carry through to 2019.
- Commercial building is the exception, with current project activity continuing into 2016, before slowing in 2017, and growing in steady increments over the long term.

Residential construction:

- Total residential construction falls by 9,000 jobs from 2016 to 2019, followed by a partial recovery that raises employment by 7,000 jobs to 2025.
- Home renovation work is stable, growing by 1,900 jobs across the forecast period.

"Alberta has been through construction cycles before, but nothing this complex," added Sparks. "That's why it's crucial for industry to stay focused on recruiting young people and attracting and keeping those skilled trades that are, or will be in the most demand." BuildForce Canada is a national industry-led organization that represents all sectors of Canada's construction industry. Its mandate is to provide accurate and timely labour market data and analysis, as well as programs and initiatives to help manage workforce requirements and build the capacity and the capability of Canada's construction and maintenance workforce.

Visit: www.constructionforecasts.ca You can read the highlights [here](#).

[Calgary Construction Association Hosting OAEC IV](#)

The Owners, Architects, Engineers, and Contractors (OAEC) workshop is

structured to bring all industry partners together in a collaborative environment to interactively discuss practical everyday topics of common interest. Often each party does not understand the world that the other lives in, why things are done in a certain manner and the impact of those decisions on others. Open dialogue encourages the industry to collectively find best practices for common issues. As part of this workshop, a number of How-To Sessions will be available. It begins Wednesday, February 24th, 2016 7:30 AM. For further details, including an agenda and to register please click [here](#).

For more news & information from ACA visit <http://albertaconstruction.net/>

Coming Soon!

The ECAA is proud to announce a partnership with ESPS Electrical Safety Program Solutions INC. to bring ECAA Member Company's a comprehensive Electrical Safety Program based on the CSA Z462 Workplace electrical safety Standard, to be utilized for sustainable and measurable performance in mitigating exposure or reducing risk of exposure to arc flash and shock hazards for their workers. Combined with your COR Occupational Health & Safety Management system the Electrical Safety Program will ensure you have in place adequate due diligence to OH&S Regulations.

The Electrical Safety Program will be a valuable resource for Owners, Supervisors and Qualified Electrical Workers in the field, providing access to information when it is needed.

The Electrical Safety Program can be used complimentary to the Electrical Safety Training System (ESTS) Electrical Worker Canada 2015 e-Learning based training that the ECAA currently has available for ECAA Member companies (www.ecaatraining.com).

You are encouraged to attend Chapter Meetings and find out more information. You can contact Terry Becker, P.Eng. with ESPS directly (terry.becker@esps.ca, or 1-403-465-3777) and ask questions about the Electrical Safety Program and how it can help your company.

Board of Directors Update

A provincial Board meeting was held on Friday, January 22, 2016, in the ECAA Boardroom. In the absence of President Keven Lefebvre, PEC Mr. Darrell Castor called the meeting to order at 10:16 a.m. In attendance were Mr. Terry Barnett; Mr. Tim Brundage; Mr. Bob Clarke; Mr. Joe Davis; Mrs. Jeanette DeBruin; Mr. Eric Fadden, PEC; Mr. Dave Hagen; Mr. Dennis Horrigan; Mr. John Knoll, PEC; Mr. Terry Milot; Mr. Tim Tarita; Mr. Darcy Teichroeb, PEC; Mr. Hans Tiedemann; Mr. Steve Warholik; and Mrs. Sheri McLean. Agenda items included correspondence on Top Trade initiatives; a thank you for ECAA participation and support of 2016 RAP & CT scholarship celebration; request for Alberta Construction Association for a report to and attendance at their AGM. With renewal of ACA Associate membership, ECAA provided opportunity to appoint representatives to three Standing Committees. Mr. Terry Milot will continue on Legislation; Mr. Dave Hagen on WCB/Safety; and Mr. DJ Coppens on Standard Practice. Request received from ACSA for representation on their Board. Mr. Dave Hagen agreed to remain. An invitation received from Alberta Chamber of Resources to participate in their 80th AGM &

Anniversary Banquet on Friday, February 19th, at the Shaw Conference Center in Edmonton. Mr. John Knoll, PEC volunteered to represent ECAA at the upcoming EIAA conference. Inspectors monitoring apprentice ratios was brought up.

Results of the Continuing Education Survey were discussed. Members supported the following courses being offered through ECAA: Mentoring - 40%; Communications - 52%; Blue Print Reading - 45%; Grounding & Bonding - 63%; Haz Loc - 46%. Social Media - 43% of our membership use face book; 12% twitter; 55% Linked In; 24% google plus; and 20% on no social media. Mr. John Knoll, PEC offered to develop an automation course that could be offered to our members. Suggestion to partner with CFAA on a half day Inspection/Testing & Maintenance course (ECAA has a waiting list of people wanting a course so they can obtain their PIN number). ECAA will also focus on additional on-line training courses being added to our website. Posters will be made available at the wholesalers regarding the Electrical Safety in a Box product. 2016 Budget was reviewed and approved. ECAA & PEC logos will be trademarked.

Committee and Chapter updates were provided. ACSA AGM is March 12, 2016 in Calgary. 87 people will be joining President Keven & Sheila Lefebvre on Convention 2016. Next Electrical Sub-Council meeting is February 22nd. Mr. Davis reported on recent Fire Sub-Council meeting. that a meeting was held yesterday. A notice re: Fire Code changes will be issued shortly. Concern discussed on use of containers as buildings. The 2015 National Building & Fire Codes were published January 2016. A STANDATA will be issued on fire safety plans for demolition and construction sites as well as for commissioning fire alarms. Mr. Davis is on the Training Day agenda to speak. Membership and PEC applications were approved.

Master's Course. ECAA has contracted with NAIT to provide a two week consecutive master's course on the 23rd edition of the CEC. Course date is April 25 - May 6. Contact ECAA office for further information and to register. Maximum number will be 24 so register early to avoid disappointment. Take advantage of the Canada Alberta Job Grant for this course.

Next Board meeting is scheduled for Friday, March 18th in Edmonton.

ECAA values our members for their continued support in providing direction and growth to the Association. Concerns? Questions? Please contact a Board member or your Executive Director.

Local Chapter Activity

CALGARY: INDUSTRY NIGHT: Thursday, February 11th, 2016, Members are encouraged to invite a non-member Journeyperson, Contractor or Associate, spouses and co-workers. As a meal will be served please rsvp to carnett@ecaa.ab.ca TABLE TOP displays will be set up for the evening showcasing new technologies and products. **Guest Speaker:** Byron Spence, FBC Tax Specialist and Dan Olesen, Careers Next Generation.

EDMONTON: INDUSTRY NIGHT: Monday, February 22nd, 2016,

Members are encouraged to invite a non-member, Journeyperson, Contractor or Associate, spouses and co-workers. As a meal will be served please rsvp to carnett@ecaa.ab.ca TABLE TOP displays will be set up for the evening. If you would like an opportunity to showcase your latest technology or product please reserve a table by emailing carnett@ecaa.ab.ca. Guest Speaker: FBC Tax Specialist.

CENTRAL: Next meeting scheduled for Tuesday, March 8th. **Guest Speaker:** Terry Becker, ESPS; **Topic of Discussion:** Electrical Safety Program

FORT MCMURRAY: Next Meeting Tuesday, March 22nd, **Guest Speaker:** Joe Davis; **Topic of Discussion:** Changes in 2014 Fire Code.

MEDICINE HAT: Membership drive scheduled for April 12th. Chapter Presidents will assist.

NORTH EAST: Next Meeting Wednesday, March 16th following Code Update seminar.

NORTH WEST: Mr. Tarita reported that Service Canada has a job sharing program linked to Employment Insurance. Must guarantee worker 16 hours per week and EI supplements 62% of the 26 hours. 26 weeks with possibility of 12 week extension. Next meeting date to be determined.

New Members

Contractor Members: Live Wire Electric (Edmonton); 1st Call Electrical Services Ltd. (Gibbons); Process Group Inc. (Ontario); Seide Electric Ltd. (Beaumont); Armada Electrical Services (Edmonton)

Associate: BHD Promotions (Edmonton); JobbSite Inc. (Calgary); Convergent Technologies (Calgary); Litron Distributors (Calgary); Unified Systems Group (Edmonton)

Journeyperson Associates: John Campbell (Calgary); Justin Knight (Calgary).

Continuing Education

Registrations are being accepted for all courses scheduled in 2016.

[2016 PEC Course Schedule and Registration](#)

SAFETY PRINCIPLES Friday, March 4th & Saturday, March 5th, 2016 (Calgary). 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

ASSESSING & FINALIZING THE TENDER Friday, March 18th & Saturday, March 19th, 2016 (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.

ONLINE TRAINING AVAILABLE THROUGH ECAA. Stay tuned as ECAA will be uploading several more courses to our training site!

www.ecaatraining.com

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

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).

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 March 4th, 2016.



ECAA

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