



ECAA

Electrical Contractors
Association of Alberta



TRAINING DAY

TUESDAY, OCTOBER 7TH

**BEST WESTERN PREMIER
DENHAM & SUITES**

5207 - 50th Avenue
Leduc, AB
T9E 6V3

APD POINTS APPLY FOR PEC'S



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FALL TRAINING DAY SESSION LINE UP

SAFETY CODES & STANDARDS

8:15 am - 9:15 am Safety Codes and Standards.

The STANDATA process, what's involved, why they exist, how they are created, who is involved and an explanation about variances, bulletins, interpretations.

Speakers: Lucy Riopel Safety Codes and Standards Municipal Affairs

CODE PANEL DISCUSSION

10:45 am - 11:45 am Code Panel Discussion

This session will cover common code questions that come up during installations. Safety Codes Officer's and Contractors will have time to discuss Canadian Electrical Code scenarios with suggestions of how to solve problems that occur on the job. References will be made to the changes upcoming in the 2024 Code book.

Speakers: Michael Chledowski, CME, Safety Codes Officer - Electrical, Planning and Development. Inspections Group Representative & Safety Codes and Standards.





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FALL TRAINING DAY SESSION LINE UP

BREAKER INSTALLATION & SETTING PRACTICES

9:20 am - 10:20 am This session provides information on how low voltage breaker trip settings are derived, types of trip units, what the dials mean and how to set them. The session will review Time Current Curves, how to read them, overview of coordination, and how to translate the curves to the breaker trip unit dials.

LUNCH PRESENTATION

Lunch 11:45 am - 1:00 pm

How Alberta Construction Electrician Red Seal Journeypersons can get their Industrial Red Seal certification. This 20 minute lunch session will cover the process of how the Industrial Red Seal can be achieved and what will be required to get it. Information will be provided on a prep course the ECAA will deliver to prepare people to challenge this exam.

Speaker: Jeff Bailey, ECAA

Skills Alberta - How can you get more involved? This 10 minute lunch presentation will provide information on how contractors can get more involved with Skills Alberta and supporting our young people in the electrical trade.

Skills Alberta



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FALL TRAINING DAY SESSION LINE UP

STUFFING ALL ELECTRIC SOLAR HOUSES WITH EV INTO THE GRID WITHOUT UPGRADING YOUR SERVICE

1:00 pm - 2:30 pm Stuffing all-electric solar houses with EVs into the grid without needing a service or panelboard upgrade ... is this really possible?

More houses with 100 A services are being built or renovated to have all-electric heating and EVs with solar PV to match. Typical installations include upgrades to the panelboard and service. Why? Is this really necessary? This presentation focuses on two houses that are being renovated to all-electric heating with high-capacity solar and EVs and how they can achieve this using interlocks without needing upgrades.

Speaker: Gordon Howell, Howell Mayhew Engineering Inc.

THE EVOLUTION OF FIBER OPTIC NETWORKS THE NEW REALITY

2:45 pm - 3:45 pm

(Remarkable Capabilities) – The explosion of Bandwidth and High-Speed Connectivity touching all landscapes – Industrial Oil & Gas, In-Building Networks, Smart Cities and Smart Grids, Etc.

- Fiber to the Edge – In building networks, the advancement of future ready and future proof networks (Fiber & Power Together)
- Best practices for Fiber Optic Installations – Choosing the Right Products based on Standards and Customer needs
- Impact of Artificial Intelligence & Fiber Optics – The impacts of Data Centers and Hyperscale Data Centers where are we now and where are we going

Jason Krause, Corning Optical Communications



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FALL TRAINING DAY SESSION LINE UP

SUBCONTRACT ESSENTIALS FOR ELECTRICAL CONTRACTORS

8:15 am - 9:15 am. Eighty percent of the people managing construction contracts do not read, do not understand or are not following the construction contract in place between the two organizations. This creates problems for both the contractor and the subcontractor (and sub-subcontractor).

This session will focus on common problems Electrical Contractors encounter in subcontracts and provide strategies to mitigate risk.

Speaker: Phil Perry, P.Eng. (President of Perry Educational Services Ltd) is one of the most sought after trainers in Canada and has delivered over 1000 courses for over 10000 students over the last 10 years on a wide variety of Construction Management topics.

VALUE OF HR SUPPORT - HR ESSENTIALS

9:20 am -10:20 am

HR Essentials - This session explores how effective communication between leadership and employees strengthens workplace culture and overall performance. It also highlights the essential role HR plays in aligning people practices with business strategy, minimizing risk, and supporting compliance through clear policies and adherence to employment standards.

Practical examples and scenarios will be shared to illustrate how strategic HR support contributes to long-term organizational success. The session will also touch on how fractional HR services can offer flexible, cost-effective support for growing businesses.

Speakers: Ashlee Cambell, Ace HR consulting & Yasmeen Boahene from Transition HR.





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FALL TRAINING DAY SESSION LINE UP

GETTING PAID - STRATEGIES FOR ELECTRICAL CONTRACTORS

1:00 pm - 2:30 pm.

Payment in the construction industry is a problem. This creates problems for both the owner and the contractor as well as the other participants involved with the project (consultant, subcontractors, sub-subcontractors and suppliers). It is important to recognize when your client is trying to work language into the contract which delays payment (pay-if-paid, pay-when-paid, "notwithstanding" clauses).

This session will focus on common problems Electrical Contractors encounter with timely payment and provide strategies which are available in standard contracts and Alberta legislation which are often not considered or used effectively.

Speaker: Phil Perry, P.Eng. (President of Perry Educational Services Ltd) is one of the most sought after trainers in Canada and has delivered over 1000 courses for over 10000 students over the last 10 years on a wide variety of Construction Management topics.

GOVERNMENT OF ALBERTA REGIONAL EMPLOYER SUPPORTS

2:45 pm - 3:45 pm This presentation will cover what the government team does and resources for employers related to labor pools, subsidies and grants available.

Speaker: Karen Blackmur, Workforce Consultant, Regional Employer Supports, Jobs, Economy, Trade and Immigration, Government of Alberta.



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FALL TRAINING DAY SESSION LINE UP

ELECTRICAL SAFETY

2:45 - 3:45 pm

This session provides an overview of electrical safety with regard to Lock Out and Arc Flash using selected training slides from the EITC Arc Flash low voltage training. Covered will be Alberta Electrical Stats and Incidents examples of causes and recommendations. Also a discussion on Electrical Hazard Assessment.

Keith Camp HSE Manager, Construction Chemco

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