



CANEW 2010

Canadian Airports National Electrical Workshop

Monday, September 20 - Friday, September 24, 2010

Delta Ocean Pointe Resort and Spa ~ Victoria, British Columbia

Canadian Airports Electrical Association ~ Association Électrique des Aéroports Canadiens

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Plenary Paper 10-001

Qualifications and Training for Electrical Workers at Airports in Canada

PP 10-001 This plenary session is reserved for follow-up discussions on the recommendations put forward by the Canadian Airport Electrical Association (CAEA) sub-committee. This has been an outstanding topic for many years at CANEW workshops.

Plenary Paper 10-002

Inset Light Fixtures at YVR

PP 10-002 This plenary session includes a short Power Point from Wade at YVR in Vancouver with some interesting information and issues regarding inset lighting.



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Plenary Paper 10-003

Varmit Resistant Elevated Edge Light Layout

PP 10-003 This plenary session contains information on an elevated edge light layout that greatly reduces or eliminates chances of damage to edge light secondary cables by animals and operators. This layout has been used at the Campbell River Airport for about 10 years with great success.

Plenary Paper 10-004

Installation Standard for Series Circuit ALSC Cable and Transformers

PP 10-004 This plenary session contains information that was used at the Campbell River Airport during the runway extension project to ensure a high quality of installation and to extend the service life of the new series circuit installations.



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Plenary Paper 10-005

Ice Buildup in Inset Lights at Pearson Airport

PP 10-005 This plenary session was submitted by Balraj with some information and pictures related to ice buildup inside inset cans during winter.

Plenary Paper 10-006

Breaking of Extension Ring Bolts on Inset Lights

PP 10-006 This plenary session comes from Toronto as well with problems with their inset lights that were encountered during the 2009 / 2010 winter season.



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Plenary Paper 10-007

Managing Tenant Utility Consumptions and Cost Recoveries

PP 10-007 This plenary session was submitted by Joe who used to be from the Pearson Airport. "It would be interesting to find out what and how people are managing tenant utility consumptions and cost recoveries". Joe will be able to explain what is done at Pearson Airport.

Plenary Paper 10-008

Use, Care, and Storage of High Voltage Gloves

PP 10-008 This plenary session has been a point of discussion on Airportlighting for some time now as Eduard Alf is putting together information related to airport lighting. There have been discussions on when gloves are required or should be used and also procedures for their use, care, and inspection. We will have some examples of storage techniques.



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Plenary Paper 10-009

Use of Safety Boards at Airports

PP 10-009 This plenary session has been a topic recently on Airportlighting and appears to be used more in the US. David Rainey may be able to provide us with more details.

Plenary Paper 10-010

Types of Bird Deterrents used at Airports for Airfield Lighting or Buildings

PP 10-010 This plenary session presents the topic of techniques and equipment that airports use for keeping birds off Airfield Lighting and buildings. We are looking for discussion from the floor on how your airport deals with this issue.



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Plenary Paper 10-011

How are Airports working with the requirements of Transport Canada Advisory Circular AC 302-002 Issue 2 – “Personnel and Equipment Within the Critical Portion of the Runway”

PP 10-011 This plenary session has surfaced recently with projects that are being undertaken at some airports where crews have found out there are now much stricter regulations related to vehicles and construction work near the runway. There is also an issue with Nav Canada Flight Services no longer controlling the vehicles or work within the runway strip as they have in the past.

Plenary Paper 10-012

Upcoming legislation banning certain lamps and ballasts and the affects this could have on airports.

PP 10-012 This plenary session deals with an issue that will possibly affect many areas on the airports when certain types of lamps are no longer available. Many incandescent lamps, including halogen, are to be banned. There are some provisions for specialty lamps and some of the suppliers may be able to give us further information.



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Plenary Paper 10-013

Arc Flash and CSA Z462 standards – How are these being handled and how are they affecting airports?

PP 10-012 This plenary session is looking for input from the different airports as to where they are in regards to dealing with Arc Flash standards and the other electrical standards within CSA Z462. This includes Arc Flash analysis, labeling, procedures, training, and equipment.

Plenary Paper 10-014

Working with True RMS Ammeters on Series Circuits at Airports for testing and calibrating the circuits.

PP 10-014 This plenary session was submitted by David Rainey of Navaid Lighting Associates in regards to what types of meters can be used while working with series circuits on an airport and some recommendations on use and checking of these meters.



PLENARY DISCUSSIONS

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Plenary Paper 10-015

A new meter on the market which may make some work easier and possibly safer.

PP 10-015 This plenary session introduces the new Fluke 233 Remote Display multimeter which has a wireless removable display that can be used up to 30 feet from the meter body.

Plenary Paper 10-016

Techniques for reducing corrosion especially in field located electronics.

PP 10-016 This plenary session is being presented to share some techniques on ways to prevent corrosion and moisture damage in electrical equipment exposed to weather or contaminants. 2 items being discussed will be MG Chemicals Silicone Conformal Coating and Humidisorb Plus X-Corrode packs which have been used very successfully in Campbell River.



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Plenary Paper 10-017

Issues with ground connection corrosion or loosening of ground connectors especially in airfield pullpits

PP 10-017 This plenary session is in place to discuss issues with ground connection corrosion or loosening of ground connectors especially in airfield pullpits with the transformer split bolt ground lugs.

Plenary Paper 10-018

LED Lighting on Runways and Taxiways

PP 10-018 This plenary session was sent in by Pat Ayiku from the Northwest Territories in regards to the use of LED lighting on taxiways and runways.



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Plenary Paper 10-019

Issues with Inset Light Bolts

PP 10-019 This plenary session is from Mary Baeten and is information on a new FAA standard regarding bolts for inset lighting and the use of a new type of bolt. She will also address some issues with proper installation techniques and anti-seize compounds.

Plenary Paper 10-020

LED lighting – solar powered, series circuit type, and DC regulators

PP 10-020 This plenary session was sent by Guy Lussier from Transport Canada and he is inquiring as the use of “Solar taxiway lighting (use and any problems?)”, “Series cct LED lighting and any issues”, and the “Use of DC regulators for LED”.



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Plenary Paper 10-021

New Field Electrical Centers (FEC) at Airports

PP 10-021 This plenary session is also from Guy Lussier and is looking for input in regards to what type of Field Electrical Centers (FEC) are be used at the airports. Are they built onsite or prefab units and the advantages or problems related to either type.

Plenary Paper 10-022

PP 10-022 This plenary session