

BC HYDRO POWER SMART NEW CONSTRUCTION PROGRAM ENERGY-EFFICIENT LIGHTING DESIGN WORKSHOP

The BC Hydro Power Smart New Construction Program (NCP) team cordially invites you to a complimentary a half-day (or full-day) Energy-Efficient Lighting Design Workshop intended for those involved in lighting design for new commercial, institutional and multi-unit residential (MURB) buildings. The Power Smart NCP provides incentives for projects in the early design stage to help offset the incremental capital cost to implement energy-efficient measures in lighting design.

WHO SHOULD ATTEND:

Power Smart (PS) Alliance members, who are current participants, or those who will participate, in the NCP offers. Practicing lighting designers and electrical engineers committed to design contemporary energy-efficient lighting systems. Participants are eligible to declare three LEU credits with NCQLP for this course.

WORKSHOP DESCRIPTION:

Date: Thursday, February 13, 2014

MORNING SESSION: 8:00 a.m. to 1:00 p.m. (up to 60 participants)

- Updates on the current status and future development of the NCP
- Overview the requirements of the B.C. Building Code for lighting systems energy performance, in light of the upcoming adoption of new energy standards
- Overview the process for lighting consultants participating in the NCP Energy Efficient Lighting Design, and Whole Building Design offers
- Provide overview on the new NC Lighting Calculator v.3.0

HOW TO REGISTER:

Limited space is available, and the afternoon session is by invitation only. Please register and confirm your attendance and session by email to alliance@bchydro.com by February 4, 2014.



LOCATION:

BC Hydro Edmonds Building
(next to Edmonds skytrain station)

6911 Southpoint Drive, Burnaby
Podium A entrance from parkade

Meeting Room: Edmonds
Auditorium Centre

Please sign-in as visitor at
security desk.

AGENDA

- 8:00 a.m.** REGISTRATION & CONTINENTAL BREAKFAST
- 9:00 a.m.** POWER SMART NEW CONSTRUCTION PROGRAM
Oscar Ceron will provide an overview of the Power Smart New Construction Program design, program history and results.
- 9:30 a.m.** LIGHTING IN POWER SMART NEW CONSTRUCTION PROGRAM OFFERS
Nikolay Smirnov will provide an explanation on the Power Smart NCP process for lighting consultants involved in various NC offers, and will highlight the changes due to the new lighting requirements of the new BC Building Code.
- 10:10 a.m.** BREAK AND NETWORK
- 10:30 a.m.** BC BUILDING CODE: NEW ENERGY STANDARDS
Dr. Alexander Rosemann will provide an overview on the changes in the requirements for lighting systems of BC Building Code adopting new energy standards (ASHRAE/ IES Standard 90.1-2010 and NECB 2011) on December 20, 2013. Details will be provided on the various requirements, exemptions, lighting power density limits, lighting controls, adjustments, and alternative compliance paths for both interior and exterior lighting systems.
- 11:15 a.m.** POWER SMART NC LIGHTING CALCULATOR V.3.0
Nikolay Smirnov will update the audience on the new Power Smart lighting calculation tools for NCP projects. The overview of calculation logic and instructions on how to use the new NC Lighting Calculator v.3.0 will be provided.
- 12:00 a.m.** Q&A
- 12:15 p.m.** LUNCH AND NETWORK

PRESENTERS

Oscar Ceron is a New Construction Program Manager at BC Hydro Power Smart. He has spent the last 5 years in Power Smart managing and promoting energy efficiency programs. Prior to joining BC Hydro, Oscar held various roles in Marketing, Communications and Product Management at Attachmate, Creo and Kodak.

Dr. Alexander Rosemann, P.Eng., LC, CEM. Dr. Alexander Rosemann is a Specialist Engineer Codes & Standards with BC Hydro. He received his doctoral degree for his thesis on daylighting with lightpipes from the Technical University of Berlin in 2001. Alexander's fields of expertise include electrical lighting, daylighting, control strategies, photometry, colourimetry and standardization. He was/is currently involved in several committees including DIN, LiTG, CIE, IEA, CSA and the NECB. Alexander is a Professional Engineer, a Certified Energy Manager and Lighting Certified through the NCQLP. He has over 60 publications in journals and conference proceedings. Alexander is currently Vice-President of the Illuminating Engineering Society BC Section.

Nikolay Smirnov is a Senior Engineer in BC Hydro Power Smart with over 20 years of experience in lighting engineering, lighting design and computer lighting modeling and visualization. Nikolay's experience includes lighting and electrical design for industrial and commercial applications, project management, developing of energy-efficient solutions for various lighting projects.