



# Street Lighting Asset Committee Activity Ontario Canada

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# Presentation Overview

- Organization
- Drivers
- Activity
- Overview of draft content
- Status
- Further info

# Organization:



[WWW.ESASAFE.COM](http://WWW.ESASAFE.COM)

ESA is the standards and code enforcement body responsible for electrical safety in Ontario




Ontario Electrical Safety Code [OESC] includes Canadian Electrical Code plus Ontario amendments



# Drivers:

- ESA recognized increase in public shock incidents
- The most notable incidents were related to street lighting
- Faulty wiring in street lighting documented
- Municipal Street Lighting Asset Symposium held Aug 20, 2009



# Regulatory Body: Ontario Energy Board

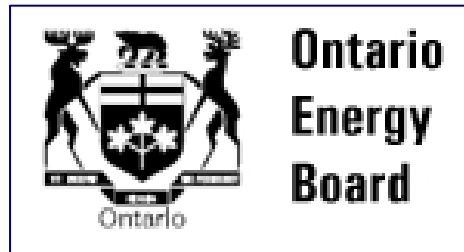
## ■ Functions

- Rates
- Licensing
- Distribution System Code

## ■ Stray Voltage status

- Farm stray voltage addressed
- Urban contact voltage not addressed

# Functions of OEB & ESA



Ministry	M. Of Natural Resources	M. Of Consumer Services
Mandate	Regulation of electric generation, transmission, & distribution in Ontario	Responsible for public electric safety in Ontario
Electric Code	Mandates OESC compliance	OESC publication, training, and enforcement
Stray/Contact Voltage	Specific farm SV regulations No regulation for contact voltage	No provisions in OESC for stray/contact voltage



# Municipal Street Lighting Asset Symposium

- Organized by ESA as response to shocks
- Discussed:
  - Experience of US and Canadian utilities
  - US and Canadian Regulations
  - Public safety risk
  - Needs going forward
- Presentations on [www.esasafe.com](http://www.esasafe.com)

# Street Lighting Asset Committee

- Committee established to develop guidelines
- Motivation
  - Establish procedures and practices in lieu of regulation
- Membership
  - Municipalities
  - Local Distribution Companies
  - Construction / maintenance companies





# Activity

- Meetings

- Working group meets monthly

- Active discussion of draft guideline text with asset owners, regulators, and safety SME input
    - Draft document is actively managed by ESA and updated before and during each meeting

- Recent Topics

- Grounding and Bonding
    - Seasonal Lighting Safety Guidelines



# Draft Outline

- Scope of lighting assets
- Design and installation
- Operation and maintenance
- Management
- Definitions
- References



# Important Issues

- Infrastructure failure
  - Shock incidents are happening and industry needs to respond but no plan exists for the response
- Code and regulatory gap
  - Existing codes provide equipment protection (devices) but no pedestrian protection. Poor grounding and high protection trip thresholds
  - No regulation targeting testing or maintenance of streetlights focused on contact voltage



# SLAC Momentum

- Stakeholders are all involved
  - Operators, Owners, Maintenance groups
- ESA is appropriate driver
  - Safety focused
  - Middleman between regulators and owners
- Productive meetings
  - Editing text line by line – achieving consensus
  - Goal to complete in 2011



# Upcoming Meetings

- January 7, 2011
  - Mississauga, Ontario
- February 9, 2011
  - Location TBD



# Further Info

## ■ Web Links

□ Electrical Safety Authority

■ [www.esasafe.com](http://www.esasafe.com)

□ Street Lighting Asset Committee

■ [http://www.esasafe.com/Corporate/se\\_006\\_b.php?s=17](http://www.esasafe.com/Corporate/se_006_b.php?s=17)

□ Ontario Energy Board

■ [www.oeb.gov.on.ca](http://www.oeb.gov.on.ca)