

## LIGHTING THE WAY TO SAFETY

### *Make Sure You Know the Rules*

### *Communiqué*

The Ontario Electrical Safety Code (Reg. 164/99) (OESC) defines requirements for electrical installations and products to keep the public safe from potential hazards.

Starting January 1, 2003, all electrical work performed on traffic signals and roadway lighting systems must meet the requirements of the Ontario Electrical Safety Code, which includes inspections by the Electrical Safety Authority (ESA). ESA is working to assist owners of traffic signals and roadway lighting systems to meet OESC requirements for both new installations and maintenance work.

#### **New Installations -**

The Ontario Electrical Safety Code requires individuals who are installing new traffic signals and/or roadway lighting systems, to file “Applications for Inspection” with the Electrical Safety Authority.

- **New traffic signal systems** include the controller, the underground and/or overhead lines, the service and all devices.  
*Inspection Fee:* \$330 per signal system (intersection).
- **New roadway lights** vary in size (# of lights) and service requirements.  
*Inspection Fee:* cost associated with specific roadway lighting systems depend on the # of services and lights.
  - ⇒ \$59 for each service (0-225 amps) plus \$30 if a panel, splitter or sub-service is required, *plus*
  - ⇒ \$59 for the first 10 devices (lights, photocells, etc.), plus \$7 for each additional 10 devices
  - ⇒ \$99 for the inspection of overhead lines or underground installations

#### **Maintenance Work -**

This covers replacing, relocating, re-installing, and repairing existing systems. This also includes the addition of components to enhance an existing installation.

#### **Options include:**

➔	<b>Full Inspection</b>	<b>Periodic Inspection</b>	<b>Maintenance Program</b>
Available to ....	everyone	the owner of the system	a contractor who maintains a system for an owner
Recorded work ....	file applications for all jobs	document all jobs in a logbook format	document all jobs in a logbook format
Inspection approach....	100% inspections	audit	audit
Fees are ....	variable	fixed, annual	fixed, annual
Fees calculated ....	\$59 per job	\$250 for each multiple of 50 traffic signal systems or 1500 streetlights	\$250 for each multiple of 50 traffic signal systems or 1500 streetlights

- Technical information is available from ESA Bulletins 2-12-1 for traffic signals and 30-9-1 for roadway lighting ([www.esainspection.net/street\\_light.html](http://www.esainspection.net/street_light.html))
- For additional information, or to arrange for an “application for inspection” visit ESA’s website at [www.esainspection.net](http://www.esainspection.net), or call... **1-877-421-2228**