

Street Lighting

Date Approved by Council: 08/20/84; 06/12/2007

Resolution No: 905/84;138/85; 6/12/2007

Lead Role: Chief Commissioner

Replaces: 60-62-012

Last Review Date: April 11, 2013

Next Review Date: 04/2016

Administrative Responsibility: Transportation and Agriculture Services

Policy Statement

Street lighting will be provided in accordance with this policy to promote safe and efficient use of the Strathcona County Municipal roadway system.

Guidelines

A. Design Manuals and Guidelines

The listed publications will be referenced, along with good engineering judgement, to determine appropriate design of roadway lighting systems and installations:

- 1) Guide for the Design of Roadway Lighting" published by the Transportation Association of Canada (T.A.C.)
- 2) "Illumination of Isolated Rural Intersections" published by T.A.C.
- 3) "American National Standard Practice for Roadway Lighting", published by the Illumination Engineering Society of North America (IESNA).

B. Urban Service Area Lighting

- 1) All roadways developed to their ultimate standard will be illuminated on the basis of functional classification and as required by Strathcona County's Design and Construction Standards.

C. Rural Service Area

- 1) New high density parcel development (lot size less than 0.15 Ha) will be illuminated as per IESNA criteria.
- 2) Other new rural service area developments (lot sizes 0.15 Ha and above) will be reviewed on a case by case basis.
- 3) Grid roads are not typically illuminated however high volume intersections will be reviewed based on T.A.C. criteria.

Procedures

A. Capital, Operating and Maintenance Costs

- 1) The capital cost of roadway lighting within an urban arterial road construction projects will be incorporated into the construction budget, then designed, built, owned and maintained by Strathcona County. Energy will be purchased from Strathcona County's energy supplier at the negotiated rate.

- 2) For all other roadway lighting, determination of ownership and cost responsibilities will be evaluated at the initial project stages in accordance with the franchise agreement.
 - 3) Where the specific arrangements as described in this sub-section require Strathcona County to have a maintenance responsibility, Transportation and Agriculture Services will play the lead role.
 - 4) Dedication of budget funds for recommended lighting system improvements will follow the prioritization steps within budget and business plan processes.
- B. Requests for Street Lighting
- 1) Stakeholder requests for new or improved street lighting installations will be reviewed by the Transportation and Agriculture Services and evaluated in the context of this policy. Approvals will consider design guidelines and cost obligations.
- C. Best Practices
- 1) Pursuit of best practices will consider technical, economic and environmental benefits.