

From: [Tasha Buchanan](#)
To: [Karen Smith](#)
Cc: [Chris Matthews](#)
Subject: RE: Street lights
Date: November 14, 2023 11:50:00 AM
Attachments: [image001.png](#)
[image002.png](#)

Good morning Karen,

Please accept this email as acknowledgement of your request. This request will be included in the next Council Meeting Agenda package. At that time, Council may choose to do a number of things such as (but not inclusive):

- Accept the request for information; or
- Table the request for discussion at a future meeting; or
- Direct staff to research any feasible options with their consequential impacts and report back with a report at a future meeting for further debate.

As I know you have been in contact with our Public Works Manager regarding this issue, Council may ask staff during the meeting for any information that has already been made available and previously conveyed.

I'm anticipating that this email will be included in the 7pm - November 20th, 2023 Council Meeting agenda package. You are not required to be at this meeting in order for your request to be included in a meeting's agenda. However, should you wish to appear, meetings are open to the public and can be viewed in person here at the Ridge in Council Chambers, or viewed online as they are live-streamed. To view the meeting virtually, visit www.barriere.ca at 7pm on the date of the meeting and click on the meeting date listed under GOVERNMENT CALENDAR on the website's front page. From there you will see a link. Click that link from any device and ensure that your camera is off and your device is muted.

Should you have any questions, please don't hesitate to reach out to me.

Respectfully,

Tasha Buchanan, CMC

Corporate Officer

District of Barriere

250-672-9751

www.barriere.ca

CONFIDENTIALITY NOTICE: *The information contained in this transmission may contain confidential information of the District of Barriere. It is intended for review only by the person(s) named above. Dissemination, distribution or duplication of this communication is strictly prohibited by all recipients unless expressly authorized by the author. If you are not the intended recipient, please contact the sender by reply email and destroy all copies of the original message. Thank you.*

From: Karen Smith <s[REDACTED]t>

Sent: Sunday, November 12, 2023 8:29 PM

To: Tasha Buchanan <tbuchanan@barriere.ca>

Cc: Jim, Julie Biller [REDACTED]; Alec Love <[REDACTED]>; Colin McInnis <[REDACTED]>; Ron, Debbie Hall <[REDACTED]>; Chris Matthews <cmatthews@barriere.ca>

Subject: Street lights

>> We are asking the town of Barriere to put shields on 2 street lights on Barriere town road and 1 on Oriole Way.

>> These 3 lights have our house triangulated by light.

>> There is no reasonable way that the street light at the front should shine to the back of our lot (100 ft), not to mention our house.

>> The street lights on Barriere town road to the east and west of our house also shine into our house, these streetlights are a distance away, this is not reasonable!

>> We used to enjoy the night sky, and while I understand the reasoning for the street lights it is also controversial and there is no way they should be shining as far as they do instead of directly on the roadway!

>> The street light on Oriole way doesn't shine on the houses across the street, but does shine into our back yard!

>> There have been many studies concerning the effects of light pollution, I have enclosed the BC Electrical and traffic Engineering Manual page . Section 3-5.1 concerning the placement of street lights and where they are supposed to illuminate .



Ministry of
Transportation
and Infrastructure

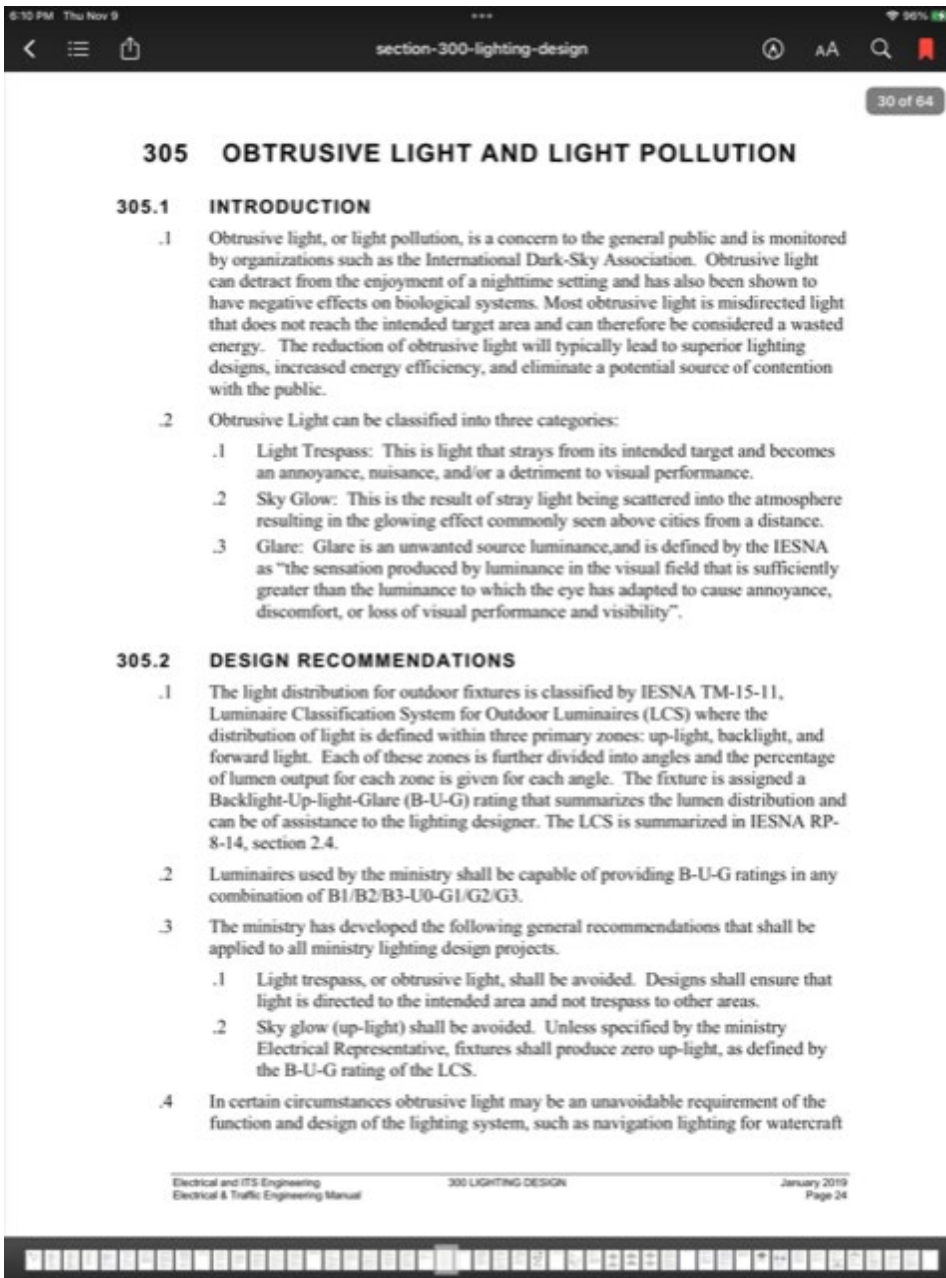
ELECTRICAL AND TRAFFIC ENGINEERING MANUAL

Section 300

Lighting Design

Electrical and ITS Engineering

January 2019



>>

>>

>>

>> PDF booklet attachment should follow

>

>

>> I will also include other neighbours comments as I get them. No one on the north side of Oriole way is happy about the lighting shining into our houses and properties .

>> Thank you

>> Karen & Stan Smith

>> 522 Oriole Way

>> Barriere BC

>>

We would like to draw your attention to the streetlights behind us on Barriere Town Road and those on Oriole Way. Our concern is those on Barriere Town Road, particularly the one just East of us. This light shines into our bedroom window.

I was recently on Maclean Road, and the “sky glow” coming from these streets lights was huge.

I am an avid night sky watcher, I enjoy seeing the stars, satellites as they go over head, the ISS, the Aurora and meteor showers. The Aurora has been very active of late and there are several meteor shower events that happen through out the year. The current street lighting seriously impacts viewing and my ability to enjoy these events.

I understand the need for streetlights, but I do not believe they need to light up the night sky, they should be shining directly down. We are fortunate to live in a area with very little air pollution so viewing the night sky can be extraordinarily interesting, but not with unnecessary the obtrusive and offensive light pollution coming from these particular lights. We would like for the Town of Barriere to put shields on the lights so that we do not have light shining into our homes and that we can once again enjoy the night sky.

Regards,

Julie & Jim Biller

534 Oriole Way, Barriere



The following information is from the BC Ministry of Transportation and Infrastructure Manual.

305 OBTRUSIVE LIGHT AND LIGHT POLLUTION

305.1 INTRODUCTION

.1 Obtrusive light, or light pollution, is a concern to the general public and is monitored by organizations such as the International Dark-Sky Association. Obtrusive light can detract from the enjoyment of a nighttime setting and has also been shown to have negative effects on biological systems. Most obtrusive light is

misdirected light that does not reach the intended target area and can therefore be considered a wasted energy. The reduction of obtrusive light will typically lead to superior lighting designs, increased energy efficiency, and eliminate a potential source of contention with the public.

.2 Obtrusive Light can be classified into three categories:

Light Trespass: This is light that strays from its intended target and becomes an annoyance, nuisance, and/or a detriment to visual performance.

Sky Glow: This is the result of stray light being scattered into the atmosphere resulting in the glowing effect commonly seen above cities from a distance.

Glare: Glare is an unwanted source luminance, and is defined by the IESNA as “the sensation produced by luminance in the visual field that is sufficiently greater than the luminance to which the eye has adapted to cause annoyance, discomfort, or loss of visual performance and visibility”.

305.2 DESIGN RECOMMENDATIONS

.1 The light distribution for outdoor fixtures is classified by IESNA TM-15-11, Luminaire Classification System for Outdoor Luminaires (LCS) where the distribution of light is defined within three primary zones: up-light, backlight, and forward light. Each of these zones is further divided into angles and the percentage of lumen output for each zone is given for each angle. The fixture is assigned a Backlight-Up-light-Glare (B-U-G) rating that summarizes the lumen distribution and can be of assistance to the lighting designer. The LCS is summarized in IESNA RP-8-14, section 2.4.

.2 Luminaires used by the ministry shall be capable of providing B-U-G ratings in any combination of B1/B2/B3-U0-G1/G2/G3.

.3 The ministry has developed the following general recommendations that shall be applied to all ministry lighting design projects.

Light trespass, or obtrusive light, shall be avoided. Designs shall ensure that light is directed to the intended area and not trespass to other areas.

Sky glow (up-light) shall be avoided. Unless specified by the ministry Electrical Representative, fixtures shall produce zero up-light, as defined by the B-U-G rating of the LCS.