

From: [Andy Newkirk](#)
To: [Andy Newkirk](#)
Subject: FW: Lighting Ordinance Comments for the DRB
Date: Friday, February 22, 2019 1:52:01 PM
Attachments: [Comments on Zoning Ordinance Chapter 17.35 Lighting.doc](#)

From: Cecilia Brown <brownknight1@cox.net>
Sent: Thursday, February 21, 2019 6:22 PM
To: Mary Chang <mchang@cityofgoleta.org>
Cc: Masseybarb@aol.com; Andy Newkirk <anewkirk@cityofgoleta.org>; brownknight1@cox.net
Subject: Lighting Ordinance Comments for the DRB

Hi Mary! Would you please forward, the attachment, Barb Massey and my comments on the proposed lighting ordinance to the DRB for their review on Tuesday, February 26, 2019.

This is revised from the previous submission, drafted in haste, when Barb and I thought the review was going to occur at a prior meeting. There are some minor changes to reflect my conversation with Andy Newkirk and correction of typos from the previous edition. I plan to be at the Tuesday meeting, so see you then.

Have a nice weekend.

Thank you,

Cecilia Brown

From: Former DRB members Cecilia Brown and Barbara Massey

To: City of Goleta Decisionmakers

Subj: **Comments on the draft Zoning Ordinance, Chapter 17.35 Lighting**

Background for reference: The General Plan policies (VH 1.4 and VH 1.5) dealing with protection of views use the following language regarding lighting: **Downcast, fully shielded, full cut off lighting of the minimum intensity needed for the purpose.** Another emphasis on “Dark Sky” lighting standards is found in policy VH 4.12 Lighting: **A. Fixtures shall be fully shielded and have full cut off lights to minimize visibility from public viewing areas and prevent light pollution into residential areas or other sensitive uses such as wildlife habitats or migration routes. B. Direct upward light emission shall be avoided to protect views of the night sky.”**

1. The language in Section 17.35.040C Light Trespass: (All lighting must be directed downward and shielded to prevent light trespass and glare onto adjacent properties....) doesn't reflect nor is it consistent with the language used in the General Plan Visual Resource policies (see above) which requires lighting to be **“Fully Shielded, full cut-off, and...to prevent sky glow.** Now is it consistent with the ZO language in Chapter 17.58 Design Review where findings the DRB needs to be make in their project review is **“dark sky compliant exterior lighting”** (section 17.58.030 B. 10) and **“all exterior lighting....is dark sky compliant”** (Section 17.58.060 I).

Therefore, in Section 17.35.040C we request that the language in this section be made consistent with General Plan policies and other Zoning Ordinance policies as follows: “All lights must be directed downward, and fully shielded and full-cut off to prevent light trespass or glare onto adjacent properties and to prevent sky glow.”

2. Section 17.35.020 Applicability.

Request changes in Section A. Exemptions as follows below:

4. Need to include other jurisdictions in this section, like the county and school districts, etc.
5. Holiday Lights: What holiday period is being considered here, it is not clear, it is Valentines Day, July 4th? The draft zoning ordinance language about limiting the use of holiday lights during the holidays at year end needs to be restored.
6. Temporary Exemptions: The section must include reason for the requested exemption. Number of renewals must be limited.
7. Recommend a new exemption for LED string lighting on trees be considered.

3. Section 17.35.030 Prohibitions

Add in section E. Other Light Types. Light Bulb Strings. External displays which consist of unshielded light bulbs, festoons, and strings of open light bulbs.

The reason for this request is that these kinds of lights are not dark sky compliant. The DRB approved such a light string for the rooftop bar on the Rincon Palms, but at the time of their review, there was a covering over the light bulbs. Note that the Sign Ordinance, Section 17.40.060 L prohibits unshielded light bulbs for sign illumination. If unshielded light bulbs are prohibited for signs, why would they be allowed in other applications?

Section 17.35.040 General Requirements. The language in this section states that the color temperature of each lamp must not exceed 3,000K. Request review how was this standard chosen and for what application? To have 3,000K in anything but parking lot lighting is excessive. City will be using 2800K in streets lighting in their new street lights replacing SCE street lights.

Section 17.35.050 Supplemental Requirements

D. How was the 5.0 foot candle determination made? This footcandle may be too bright for certain applications. Request review this standard and change to a more relevant standard for various applications.

The DRB is responsible for reviewing outdoor lighting. There needs to be a way for them to do that and that is through a lighting plan. They review such plans now and adding a section on lighting plans would codify that practice. Either add a section in the lighting ordinance for requirement for outdoor lighting plans or implement approved guidelines for lighting plans. Below are some standards that could be used for such plans

Outdoor Lighting Plans An outdoor lighting plan is required as part of a development application or land use permit with an application for all new outdoor lighting installations on commercial, industrial, office, City of Goleta property and certain residential applications (e.g., multi-family housing). Submittals for other types of projects may be required by the City due to project location, size or proposed use as necessary. An outdoor lighting plan shall include at least the following:

- a. A site plan showing the location of all buildings, parking and pedestrian areas or other areas where lighting is proposed on the site.
- b. The proposed location, mounting height and aiming point and angle (in the landscape plan to demonstrate coordination of fixtures and tree plantings. The location of light fixtures and landscaping on adjacent properties and on the street right of way that effect lighting/landscaping on the project is also necessary. For pole lights, a composite drawing of the base, pole, and fixture with the drawing to extend from the ground surface adjacent to the light assembly to its highest point. Foot candle illumination throughout the property and at the property line needed to ensure understanding of light trespass at property lines and lighting levels throughout the parking lot
- c.. Manufacturer specification sheets, cut-sheets, or other manufacturer provided information for all proposed outdoor lighting fixtures to show fixture diagrams, lamp types, wattage, initial lumen output, vertical cut-off level, and shielding information.
- d. Elevations of the building with mature landscaping, poles and fixtures superimposed. If building elevations are proposed for illumination, drawings for all relevant elevations showing the fixtures, the portions of the elevations