MINUTES OF THE BOARD OF SUPERVISORS COUNTY OF RIVERSIDE, STATE OF CALIFORNIA



9.11

During the oral communication section of the agenda for Tuesday, February 9, 2010, William Larsen spoke about a lighting issue in the unincorporated area of Corona and submitted documents.

ATTACHMENTS FILED WITH CLERK OF THE BOARD

William E. Larsen 2112 Rancho Corona Drive Corona, CA 92882

February 9, 2010

Members of the Board of Supervisors County of Riverside 4080 Lemon Street Riverside, CA 92502

Dear Supervisor:

Thank you for hearing my concern relative to Light Trespass. I hope that the County already has an ordinance that addresses it but in my discussions with the County Sheriff and the Code Enforcement offices, neither were aware of one.

While the light trespass issue I have with my neighbor currently *appears* to be under control, nobody should endure unwanted light invading their personal space: yards, living rooms, and especially their bedrooms. At its lowest common denominator, light trespass is in direct conflict with the right of "Quiet Enjoyment" of their home and should not be tolerated for any reason.

Riverside County has several Ordinances that control many aspects of light trespass and light pollution. Ordinance 655 covers properties within 45 miles of Palomar Observatory. (But I live 57 miles from it.) Other ordinances cover commercial (but not residential) light pollution ... or lights related just to parking ... public thoroughfares ... or senior citizen structures. As I read them, however, none specifically address light trespass in a County (non-city) area such as mine. But if the neighboring Counties of San Bernardino and San Diego have such ordinances, why shouldn't we?

A copy of my presentation at today's Board of Supervisors Meeting is enclosed ... as well as a DVD-Media with some of the ordinances that other Cities, Counties, and States have used to address Light Trespass and Light Pollution ... as well as many other references (see attachment).

I thank Susan Swieca of Supervisor Tavaglione's staff. She has been very supportive and concerned but unable to find a solution to my concern for Light Trespass as of this date. This to volunteer my time in assisting the County affect such an ordinance if one does not already exist. Thank you for your consideration and concern.

Sincerely,

Name 🚣	Туре
Advanced Lighting Guidlelines - See Section 3.2.4 on Lighting Trespass	Adobe Acrobat Document
Beaumont California Ordinance 876	Adobe Acrobat Document
Branford Connecticut - Examples of Acceptable & Unacceptable Light Fixtures	Adobe Acrobat Document
Breast Cancer Implications	Adobe Acrobat Document
Calaveras County California Lighting Ordinance	Adobe Acrobat Document
City of Glendale California Light Rules CC_7b_021704	Adobe Acrobat Document
City of San Luis Obispo California Ordinance 1527 on Nightsky Preservation	Adobe Acrobat Document
Clinton New Jersey Township Ordinance	Adobe Acrobat Document
County of San Bernardino Ordinance Regarding Glare and Outdoor Lighting 83.07	Adobe Acrobat Document
Dark Skies Brochure	Adobe Acrobat Document
Dark Sky Society Flyer	Adobe Acrobat Document
Example of Good & Bad Lighting from Institution of Lighting Engineers in the United Kingdom	Adobe Acrobat Document
Fairfax County Virginia Chaprter 9. Noise Light Pollution & Visual Blight	Adobe Acrobat Document
Framework for Outdoor Lighting	Adobe Acrobat Document
Full Cutoff Lighting Benefits by Douglas Paulin	Adobe Acrobat Document
Hancock County Ellsworth Maine Lighting Ordinance	Microsoft Word 6.0 Docume
Helotes Texas Light Ordinance	Adobe Acrobat Document
How does light pollution harm us	Adobe Acrobat Document
🛂 International Dark Sky Association Flyer PG3 on Residential Lighting	Adobe Acrobat Document
International Dark Sky Information Sheet 192	Adobe Acrobat Document
🛂 Ithaca New York Light Law	Adobe Acrobat Document
Light Pollution & the Law in the United Kingdom #2 JPEL2006_08	Adobe Acrobat Document
Light Pollution & the Law in the United Kingdom #3	Adobe Acrobat Document
Light Pollution & the Law in the United Kingdom JPEL2006_08	Adobe Acrobat Document
LIGHT POLLUTION TECHNICAL PAPER by Carl Shaflik - Professional Engineer	Adobe Acrobat Document
Light Trespass One Page Overview from Green Earth Lighting	Adobe Acrobat Document
Lighting Sciences Night Meter Datasheet	Adobe Acrobat Document
Livingston County Michigan Ordinance	Adobe Acrobat Document
National Electrical Manufacturers Association Lighting Standards 2002-03-06_	Microsoft Word 6.0 Docume
NEMA_OUTDOOR_LIGHTING_MODEL_REGS	Adobe Acrobat Document
New England Good Neighbor Lighting Suggestions	Adobe Acrobat Document
Pennsylvania Outdoor Lighting Council	Adobe Acrobat Document
PICTURES FROM LARSEN - Comparison of Lighting on Ajimine Property 250ft away	Adobe Acrobat Document
PICTURES FROM LARSEN - Comparison of Lights on Larsen Master Bedroom 200 ft away	Adobe Acrobat Document
PICTURES FROM LARSEN - Comparison on Larsen House Opposite side 200 ft away	Adobe Acrobat Document
Raleigh North Carolina Lighting Ordinance	Adobe Acrobat Document
San Diego Astronomy Association1999-05	Adobe Acrobat Document
🛂 San Diego County California Lighting Code	Adobe Acrobat Document
San Diego County Light Pollution Code	Adobe Acrobat Document
San Gabriel Generating Station 7.4 Application for Land Use	Adobe Acrobat Document
Saskatchewan Light Pollution Abatement BP	Adobe Acrobat Document
Scottsdale Arizona Outdoor Lighting Code 7.600	Adobe Acrobat Document
State of California 2003 - Including Light Trespass and Glare A-18_CA_ODL_Assessment_7.7.2	Adobe Acrobat Document
State of California 2004-09-07_NOTICE_LIGHTING	Adobe Acrobat Document
State of California 2004-09-30_LIGHTING_ZONES	Adobe Acrobat Document
State of California 2010 Building Energy Efficiency Standards CEC-400-2008-001-CMF	Adobe Acrobat Document
STATE OF CALIFORNIA - Requiring Shielding Cutoffs NRCM_Chapter_6_Outdoor_Lighting	Adobe Acrobat Document
State of California Advanced Lighting Guidelines 2003 - SEE SECTION 3.2.4 ON LIGHT TRESPASS	Adobe Acrobat Document
State of California Energy 2005 Commission Low Glare Luminare Report CEC-500-2005-141-A19	Adobe Acrobat Document
State of California Memo re El Segundo and Light Trespass p9 2002-12-31_2ND-AGREED_TO	Adobe Acrobat Document
State of California re Rancho Cucamonga Light - SEE PAGE 7.4-12	Adobe Acrobat Document
State of Georgia HB 645 - Natural resources	Adobe Acrobat Document
State of Texas Bexar County Lighting Order 090820	Adobe Acrobat Document
ThreeTypes of Light Pollution - Summary Visual	Adobe Acrobat Document
What is light pollution in Riverside County	Adobe Acrobat Document
What is light Trespass	JPEG Image

William Larsen
2112 Rancho Corona Drive
Corona, CA 92882

38 Year Resident of Riverside County
28 Years at this address
An unincorporated area of Riverside County

Has Riverside County
Adequately Addressed The Issue
of Light Trespass?





for society and the environment

http://www.irc.rpi.edu/programs/nlpip/lightinganswers/lightpollution/lightTrespass.asp



Lighting Answers

Volume / Issue Z

march 2003 (revised February 2007)

Light Pollution

What is light trespass?

Light trespass occurs when spill light is cast where it is not wanted. Light trespass is somewhat subjective because it is difficult to define when, where, and how much light is unwanted. An example of light trespass is when spill light from a streetlight or floodlight enters a window and illuminates an indoor area. Figures 4 and 5 depict examples of light trespass. The light trespass shown in Figure 4 would be significantly reduced if a shield were placed on the luminaire. In Figure 5, the floodlight on the hotel casts light on the home across the street. Proper aiming of the floodlight and shielding would significantly reduce the light trespass shown in this example.

Figure 4. Example of light trespass

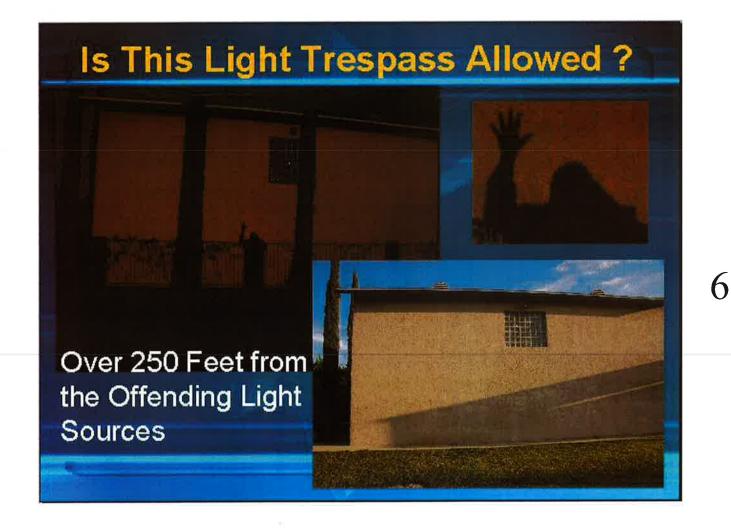


Source: David Fernándoz-Barba, Dep. d'Astronomia I Meteorología, Universitat de Barcelona, SPAIN

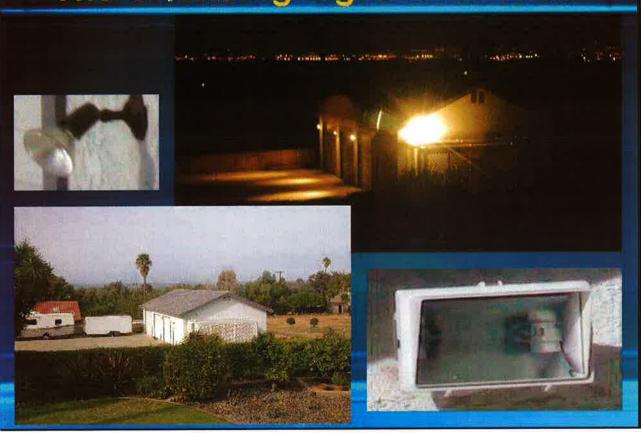
Figure 5. Example of light trespass from a floodlight installed by a hotel that casts light onto a house across the street







The Offending Light Sources ...



County of Riverside - ORDINANCE 655

REGULATING LIGHT POLLUTION

INTENT:

The intent of this ordinance is to restrict the permitted use of certain light fixtures emitting into the night sky undesirable light rays which have a detrimental effect on astronomical observation and research. This ordinance is not intended to restrict the use of low pressure sodium lighting of single family dwellings for security purposes.

- H. Zone A means the circular area fifteen (15) miles in radius centered on Palomar Observatory
- Zone B means the circular ring area defined by two circles, one forty-five (45) miles in radius centered on Palomar Observatory

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Section 17.73.140 "D"

15. All lighting fixtures, including spot lights, electrical reflectors and other means of illumination for signs, structures, landscaping, parking, loading, unloading and similar areas, shall be focused, directed and arranged to prevent glare or direct illumination on residential uses.

Other Riverside County Plan References

ARTICLE INe, R-VC ZONE
SECTION 9.83. DEVEL OPMENT STANDARDS, n. Site Lighting.
(1) Illumination from on-site fixtures may not spill over onto adjacent private property

SECTION 12.4. DEVEL OPMENT STANDARDS & Lighting.
All lighting fixtures, including spot lights, electrical reflectors and other mesers of illumination for signs, serentiales, landscaping, parking, leading, unloading and similar areas, shall be focused, directed, and arranged to prevent glare or direct illumination on screets or adiobology property.

ARTICLE NATH, GENERAL PROVISIONS SECTION 1842 OFF STRUET VEHICLE PARKING.

- g. Development Standards For off Street Parking Pacifilles.
- 7) Lighting
- a) Parking area lighting is not required. However, if parking areas are lighted, such lighting facilities shall be incased to prevent lights from shiping directly and adjoining proporties or directs.

9

 Confirmation that the County of Riverside has an Ordinance (or Law) in place that prohibits LIGHT TRESPASS as shown in the prior slides.

... Or ...

 Action by the Board of Supervisors to Immediately affect such an Ordinance or Law.

THANK YOU

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William E. Larsen Emeritus 2112 Rancho Corona Drive Corona, CA 92882

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Submitted by Naven
29/10 Item oval Com
(date)

DVD 9.11 2-9-10

Riverside County Board of Supervisors Request to Speak

Submit request to Clerk of Board (right of podium), Speakers are entitled to three (3) minutes, subject Board Rules listed on the reverse side of this form.
SPEAKER'S NAME: WILLIAM LARFON
Address: 2112 R MCHO CORPNA DRIVE (only if follow-up mail response requested)
City: CORONA Zip: 92882
Phone #: 951-734-/417
Date: 2/9/2010 Agenda # 1/A (50€ BELOW)
PLEASE STATE YOUR POSITION BELOW:
Position on "Regular" (non-appealed) Agenda Item:
Support
Note: If you are here for an agenda item that is filed for "Appeal", please state separately your position on the appeal below:
5
SupportOpposeNeutral WISH TO SPORC ON THE ISSUE OF
give my 3 minutes to: LIGHT TRESPASS