



## OUTDOOR LIGHTING STANDARDS

P18-0290(AMD)

Community & Economic  
Development Department

City Council  
November 13, 2018

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## PROPOSAL

**Proposed amendments were initiated to:**

1. Align with California Energy Commission Standards for outdoor lighting;
2. Fulfill settlement agreement with the Friends of the Hills; and
3. Integrate with RPU's Street Lighting Conversion project.



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## BACKGROUND

### California Energy Commission Standards

1. Establishes Lighting Zones with “power allowances”;
2. Lighting Zones range from 0 through 4:
  - a. Default zone boundaries based on:
    1. U.S. Census “urban” and “rural”; and
    2. Government parks, recreation and wilderness areas.
  - b. Riverside is within “urban” U.S. Census boundary; and
  - c. Jurisdictions may deviate from default zones.



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## BACKGROUND

1. **Preserving the Dark Sky** - 2008 settlement agreement with Friends of the Hills:
  - a) Add “night time sky” regulations to Zoning Code; and
  - b) Include recommendations for Mount Palomar Observatory.
2. **RPU Street Lighting Conversion Project** - Convert streetlights to LED:
  - a) Consultant scope of work includes Zoning revisions; and
  - b) Energy efficiency and cost savings.



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## DISCUSSION

### Proposed changes to 19.556 – Lighting:

1. Reorganize and expand regulations of existing Chapter 19.556;
2. Update definitions to reflect changes in technology (i.e. LED);
3. Specify Lighting Plan Review & certification;
4. Prohibits lighting that is a public danger or nuisance;
5. Development standards tailored to individual lighting zones (i.e. max. lumens, mounting heights, allowable light trespass); and
6. Restrict light spectrum to 3000 Kelvin or less.



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## DISCUSSION

### Proposed Lighting Zones:

Zone 0: Undeveloped areas of parks, recreation areas & wildlife preserves

*Little or no light*

Zone 1: Developed portions of parks, recreation areas, wildlife preserves & Mt. Palomar Observatory influence

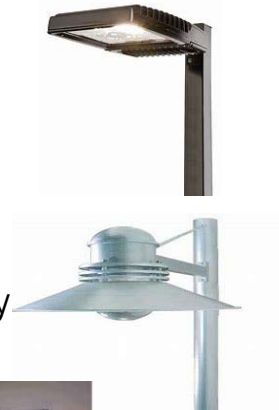
*Low level of light*

Zone 2: RA-5, RC & RR Zones

*Moderate level of light*

Zone 3: Areas not in Zones 0, 1 or 2

*Moderately high level of light*



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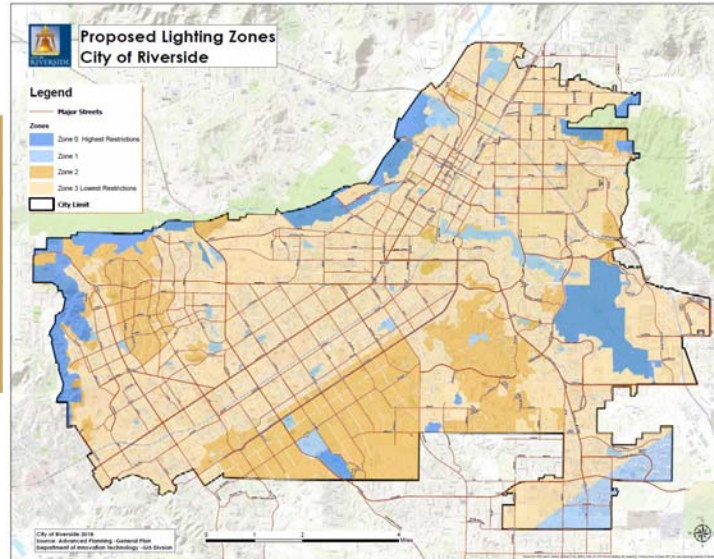


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## PROPOSED LIGHTING ZONES

### Legend

- Major Streets**
- Zones**
- Zone 0 Highest Restrictions
  - Zone 1
  - Zone 2
  - Zone 3 Lowest Restrictions
  - City Limit



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## RECOMMENDATIONS

That the City Council:

1. Determine the proposed project will not have a significant effect on the environment based on the findings set forth in the case record, and adopt a Negative Declaration pursuant to CEQA Guidelines Section 15070;
2. Approve Planning Case No. P18-0290 (Amendment to Title 19 - Zoning); and
3. Introduce, and subsequently adopt the attached Ordinance amending Title 19 - Zoning of the Riverside Municipal Code, Chapter 19.556 – Lighting.



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