



# BIRD-SAFE & DARK SKY

## CITY OF CUPERTINO COMMUNITY MEETING

[www.cupertino.org/birdsafedarksky](http://www.cupertino.org/birdsafedarksky)

### BIRD-SAFE



**PURPOSE** To increase bird safety by reducing hazardous building and lighting design

#### BACKGROUND

- Fiscal Year 2019/20 City Council Work Program Item
- 2.9+ billion birds in North America lost since 1970
- Birds are critical to our ecosystem and provide benefits such as:
  - Plant pollination
  - Seed dispersal
  - Insect and rodent control

#### CITIES WITH BIRD-SAFE POLICIES

- San Francisco
- Portland
- Alameda
- Santa Cruz
- Oakland
- Sunnyvale

#### ADDITIONAL QUESTIONS?

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### PROTECTING BIRDS FROM COLLISIONS

#### Consideration 1: Applicable Projects

- New buildings/new additions
- Remodels and retrofits
- Window replacements
- Existing buildings

#### Consideration 2: Applicable Locations

- City-wide or specific neighborhood/zones
- Sensitive areas near parks, green space, bodies of water, vegetated areas

#### Consideration 3: Exemptions

- Historic buildings
- Small residential buildings
- Retail frontages

#### Consideration 4: Mitigation Measures

- Mandatory or recommended
  - Prohibit or limit glass in specific areas on a building
  - Glazing/Exterior treatments
    - Netting
    - Patterned/fritted windows
  - Exterior design elements
    - Avoid placement of bird attractants near glass
    - Prohibit or limit design elements on buildings (glass atriums with interior landscaping, glass tunnels, etc.)
  - Interior design elements
    - Blinds or curtains
  - Documentation (Bird Collision Reduction Plan)
  - Donation of dead bird specimens to conservation organization



### NOTES

**PURPOSE** To minimize impact of artificial lighting

**BACKGROUND**

- Fiscal Year 2019/20 City Council Work Program Item
- Dark Sky Movement to decrease light pollution
- Light pollution negative effects
  - Humans (sleep)
  - Animals
  - Insects
- Match lighting with use

**AREAS WITH DARK SKY POLICIES**

- Malibu
- Portola Valley
- San Luis Obispo
- Kern County
- San Bernardino County
- San Diego County

**ADDITIONAL QUESTIONS?**

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**MAKING THE NIGHT DARK**

**Consideration 1: Applicability**

- All properties (residential, commercial, etc.)
- New permits (planning and building)
- Existing lighting to continue

**Consideration 2: Exemptions**

- Holiday/temporary lighting
- Permitted lighting for signs
- Accent lighting
- Lighting in the public right-of-way
- Art work lighting

**Consideration 3: Lighting Fixtures**

- Shielded lighting
  - Light trespass

**Consideration 4: Lighting Controls**

- Automated control system
  - Motion sensor lights
  - Photo-cells
  - Self-extinguishing

**Consideration 5: Deviation from Lighting Standards**

- Allow for deviation in standards?

**Consideration 6: Prohibited Lighting**

- Flashing or blinking lighting
- Up-lighting
- Lights for game courts
- Flood lights
- Aerial