

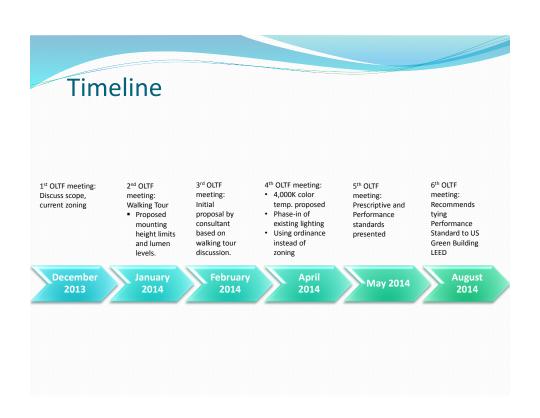
### Mission of Task Force

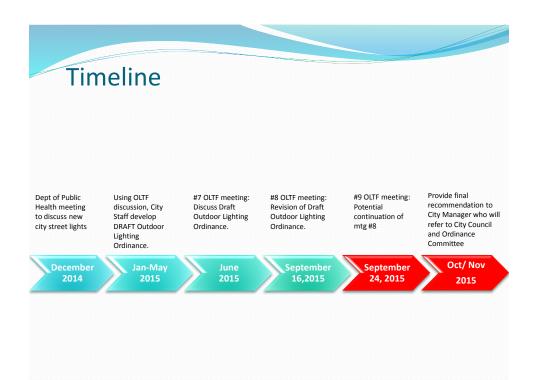
The goal of good lighting standards is to improve nighttime visibility, create a pleasant ambiance, maintain safety, be considerate of others and ensure security in Cambridge neighborhoods. Considerate exterior lighting should be the responsibility of all: City government, our businesses, our institutions, and our residents. By encouraging good practices that direct appropriate lighting where and when it is needed, we will use less energy, save money and be better neighbors.

Good outdoor lighting promotes safety, preserves and enhances neighborhood character, reduces or prevents light from spilling onto neighboring properties, promotes energy conservation, saves money, enhances the night-sky beauty, respects the need for safety and security in our neighborhoods, and improves the quality of life for people and wildlife.

## Goals of an Outdoor Lighting Ordinance

- Lighting for Public Safety Proper lighting provides better visibility
  at night and creates a sense of security for pedestrians. This safe
  environment allows residents and visitors to enjoy neighborhood
  activities without the fear of criminal activity that takes place in poorly
  lit areas.
- Broader Environmental Impacts Excessive light uses energy in an inefficient manner. The City's campaign to reduce the community's carbon foot print includes energy conservation as a cornerstone for this environmental platform. Reducing light levels throughout the City conserves electricity which limits the use of fossil fuels and the production of greenhouse gases.
- Protection of the Night Sky Light pollution is the scattering of artificial light in the night sky as a byproduct from an inefficient light fixture. Light emitted beyond the surface intended to be illuminated contributes to the cumulative glow that blocks the night from view in urban settings and causes negative impacts to wildlife that are disrupted by artificial light.





# Process going forward

- Task Force finalizes ordinance
- Provide report & ordinance to City Manager
- City Manager presents ordinance & report to City Council
- Council refers to Ordinance Committee
- Ordinance Committee makes a recommendation to Council, who will then vote on it.

Task Force finalizes ordinance to City Manager

CM presents ordinance & Council refers to Ordinance Committee makes a recommendation to Council

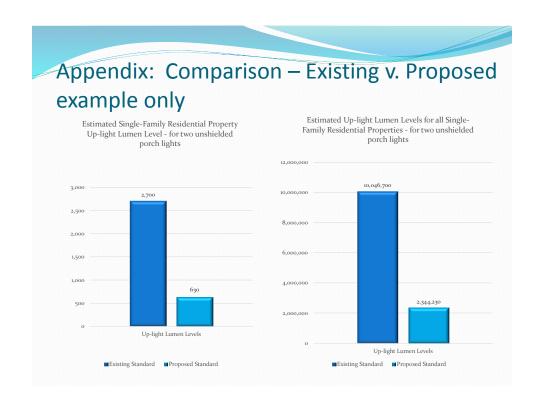
### Goals

Up-lighting/full shielding

- Finalize the draft as presented, with changes suggested tonight incorporated into the final.
- Staff will write a report to City Manager/City Council which includes a copy of the draft ordinance and:
  - Executive Summary and Recommendations
  - Introduction and objectives (Mission/goals of Task Force)
  - History and community process to date
  - Report will note where there is not 100% agreement on issues so both the City Manager and City Council are made aware

# Issue Concern Model Lighting Ordinance's Lighting Zone designations across Cambridge Auto shut-off 4000K color temperature Concerned that ISD doesn't have the capacity to administer and enforce the rule and exemption process 5 year phase-in and 3-month notice period 8 lux level in Performance Standard Concerns this level is too high. Concerns this level is too high. Concerns this level is too high. Up-Lighting should not be allowed. All exterior lights shining

into the night sky would be prohibited.



### Appendix: Municipal Comparison example only Lexington Laguna Beach City/Area Cambridge Arlington San Diego Zoning/Ordina Ordinance Ordinance Ordinance Ordinance Ordinance Ordinance Ordinance Lumen Cap per acre and based Based on zoning district: >750 lumens fully shielded or on lighting zones/prescripti None but full-shielding Residential-900 3.5 lux at 5 ft beyond property line for 2000 lumens motion lumens ve option for controlled safety lights < 2400 Lux at Property required for No; only uses "reasonable" as fully shielded, excludes 1/2 small residences Lumen level fixtures > 4,050 limits number of defined/max tandard family homes Line Building Permit Process Complaint Complaint Complaint Complaint Verification Complaint Community Dev Enforcement ISD ISD Dept ISD/Land Use Building Dept. Building Dept. Temporary Exemptions for no more than 30 Exemption for (SPGA) special permit granting authority Community Dev Dept Variances allowed? days. Different 30 days. between areas 6 different near major Residential/co astronomical lighting zone designations. mmercial Lighting Plan Required Different Yes multifamily and commercial Different observatories. No, applies to new and No, but applies None. Existing to new and Yes; 10 years lighting grandfathered. 90 days after complaint Yes; 15 years (2018) replacement replacement (25%) fixtures. Phase in 5 years (2020) (2015) Yes; 1 year ixtures 3000 K for unshielded/no Color Temperature Limit

