



# Outdoor Lighting Zoning Ordinance Amendment

Development Process Committee

September 10, 2019

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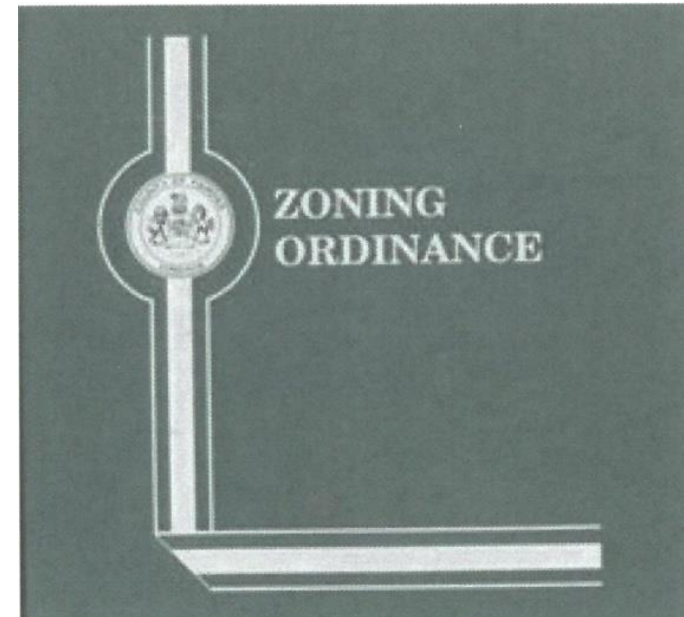
# Today's Discussion

- Background
- Timeline
- Proposed Revisions
- Discussion



# Topics on the Work Program

- **New: Color temperature**
- Single family exemptions
- Motion-activated lighting exemptions
- Sports fields/courts
- Review of sports illumination plans by ARB



# Current Zoning Ordinance

Most pole and building/wall mounted fixtures must be:

- Full cut-off
- Mounted horizontal to the ground



# Current Zoning Ordinance, cont'd

## Additional requirements:

- Photometric plans/maximum 30 footcandles for certain commercial uses
- Sports illumination plans/maximum footcandles and time limits
- Height and location standards
- Parking lot lighting curfews
- Signs
- Exemptions and grandfathering

# Proposed Approach and Timeline

## Phase 1:

### Current Amendment

Color temperature &  
other revisions focused on  
Work Program topics

### **Timeframe:**

2019/2020

## Phase 2:

### zMOD

Rewrite for clarity  
Reformat  
New graphics

### **Timeframe:**

2020

## Phase 3:

### Additional Revisions

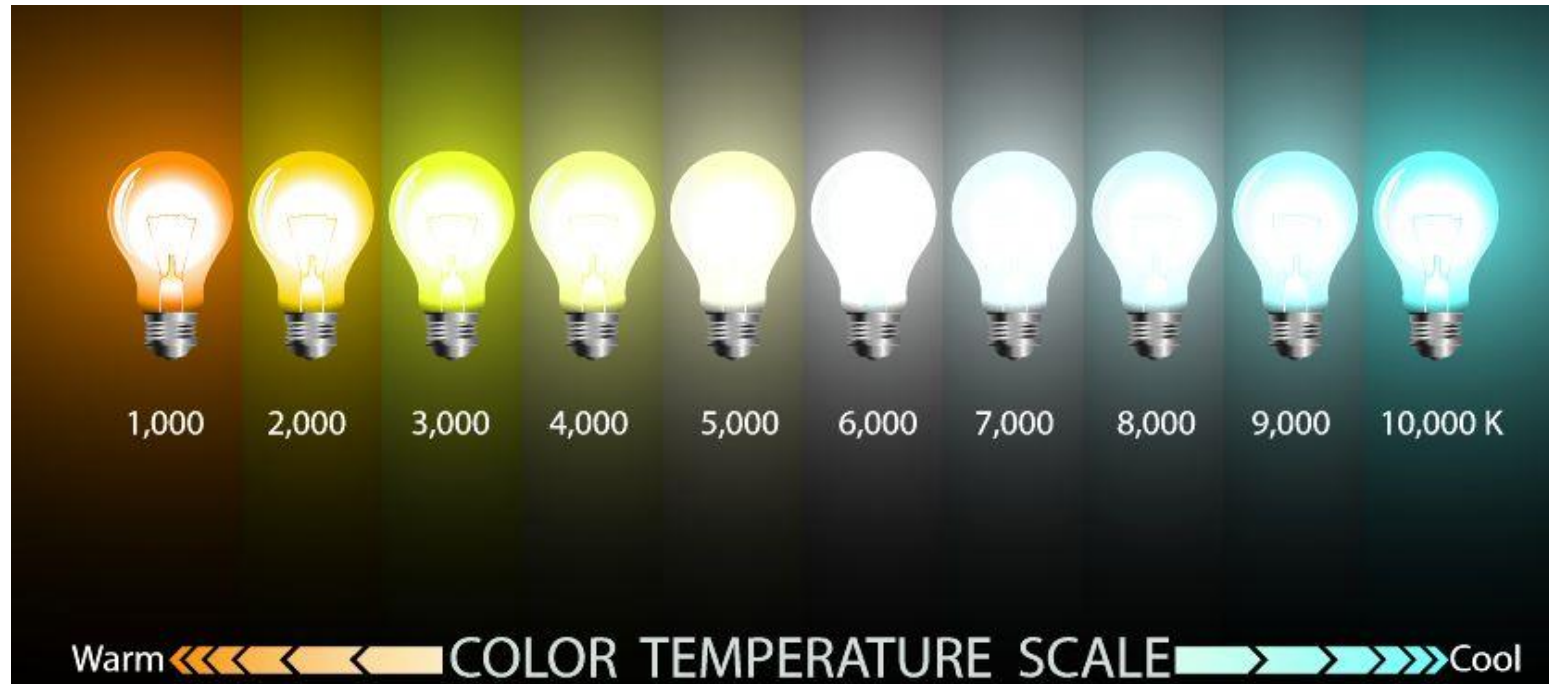
Consider future revisions  
and periodic updates

### **Timeframe:**

TBD with future Work  
Program

# Color Temperature

Maximum 3,000K, except for sports fields/courts



Source: [northgatelighting.co.uk/wp-content/uploads/2017/08/color-temperature-scale.jpg](http://northgatelighting.co.uk/wp-content/uploads/2017/08/color-temperature-scale.jpg)

# Exemptions – Single Family Dwellings

Current: light fixtures with 2,000 lumens or less are exempt

Proposed changes to exemption:

- Reduce lumens for exempt fixtures to 1,500 lumens (~ 75 watt bulb)
- Exempt only from the location/shielding and full cut-off requirements





# Exemptions – Motion Activated Security Lighting



## Current exemptions:

- Single family – if 6,000 lumens or less, extinguished within 5 min., and bulb not visible 5' above property line
- Other uses – if bulb not visible 5' above property line

## Proposed changes to exemptions:

- Reduce lumens for single family to 4,000 lumens or less (~ 200 watt bulb)
- No change to 5 min. requirement for single family
- Replace 5' above property line standard with a requirement for light to be directed onto the property

# Sports Illumination Plans

- Reduce the hours for lighting on outdoor playing fields/courts on residentially zoned and developed properties
  - Current: 7:00 am to 11:00 pm
  - Proposed: 7:00 am to 10:00 pm
- Update the perimeter areas for playing fields/courts in coordination with FCPA
- Require ARB review of stand-alone SIPs located in Historic Overlay Districts



# Potential Future Amendments



- Photometric plans are currently required for service station canopies and vehicles sales areas to demonstrate a maximum of 30 footcandles
  - Consider expanding this requirement to other light intensive uses such as drive-throughs
- Consider adding a requirement for lighting on private streets to comply with the same light source and light level requirements of the PFM for public streets
- Consider overlay district light level standards similar to the model lighting ordinance of the International Dark Sky Association

# Outreach

- Input from lighting work group
- Zoning open houses (2018, 2019)
- McLean Citizens Association (July 2019)

## Upcoming:

- NVBIA/NAIOP (Sept. 19, 2019)
- Citizens, Land Use Attorneys, Industry/Builders Work Groups (September)
- Planning Commission Land Use Process Review Committee (Oct. 10, 2019)
- Other community groups being scheduled

# Questions & Discussion

