

# The Connecticut Light and Power Company

## Implementation of Decision-Making Tools that Address Light Pollution for Localities Planning Street Lighting

### Street Lighting Design Checklist

#### OBJECTIVES

What are the primary reasons for considering outdoor lighting?

- Safety  
If safety is your primary concern, have you consulted with the *AASHTO Information Guide for Roadway Lighting* to determine if your situation warrants street lighting?
- Security  
If security is your primary concern, are there any preventive measures that don't involve lighting that may be implemented?
- Economic development  
If economic development is your primary concern, what types of lighting will meet the objectives? Parking lot? Roadway? Pedestrian? Can the lighting be limited to very specific areas?
- Aesthetics  
If aesthetics is your primary concern, what types of lighting will meet the objectives? Can it be accomplished in a way that minimizes light pollution?

Can the objectives be met without lighting?

#### LIGHTING CONSIDERATIONS

If lighting is necessary to meet your objectives, how much lighting is needed?

- Safety
  - What safety objectives must be met?
  - What are current lighting levels?
  - What are IESNA recommendations?
  - What type of street is being considered?
  - What is the street width?
  - How many curves? Intersections?
  - Is the pedestrian conflict for this road high, medium, or low?
  - Are there any schools or playgrounds on this road?
  - What is the traffic volume on this street?
  - Is continuous lighting being considered? If not, what are the objectives of the lighting?
  - Are intersections being lit?
  - Are curves being lit?
  - Are there sidewalks on the streets?
- Security
  - What are current lighting levels?
  - What are IESNA recommendations?
- Economic development
  - What type of lighting is being considered? Roadway? Pedestrian?
  - Can the objectives be met with full cutoff luminaires?
  - Are timers, dimming, or curfews being considered?
- Aesthetics
  - What are IESNA recommendations?

If lighting is necessary, can your objectives be met with full cutoff fixtures?

What lighting levels are required to meet your objectives?

Are timers, dimming, or curfews being considered to reduce or eliminate lighting when it is not needed?

Is all of the lighting energy efficient?