

**Calgary**



**Calgary Parks  
Lighting Plan  
2017**

# Calgary Parks Lighting Plan

## Plan at a Glance—Key Messages

- Calgary Parks recognizes the inherent beauty that dark spaces can provide, and is piloting a “minimal lighting” plan for parks. We provide lighting only in exceptional circumstances
- Minimal lighting allows us to preserve our environment, as well as be fiscally responsible
- The plan strongly encourages other options to be explored to address any concerns
- Lighting near natural areas is particularly disruptive and should be avoided
- If a group of residents, feels one of their parks has exceptional circumstances, a Calgary Parks staff can do an evaluation
- Evaluations are based on safety, use of park, commuter traffic, and community support



# Calgary Parks Lighting Plan

## Guiding Principles

Calgary Parks recognizes the inherent beauty that dark spaces can provide. Calgary Parks will provide lighting only in very exceptional circumstances. A minimal lighting approach allows for environmental protection and fiscal responsibility.

Calgary Parks will not approve lighting:

- When the project is within 50m of a natural or environmentally sensitive area.
- When other options can be used to address concerns
- When the project is solely for aesthetic purposes
- When funding is not available

## Goals of the Lighting Plan

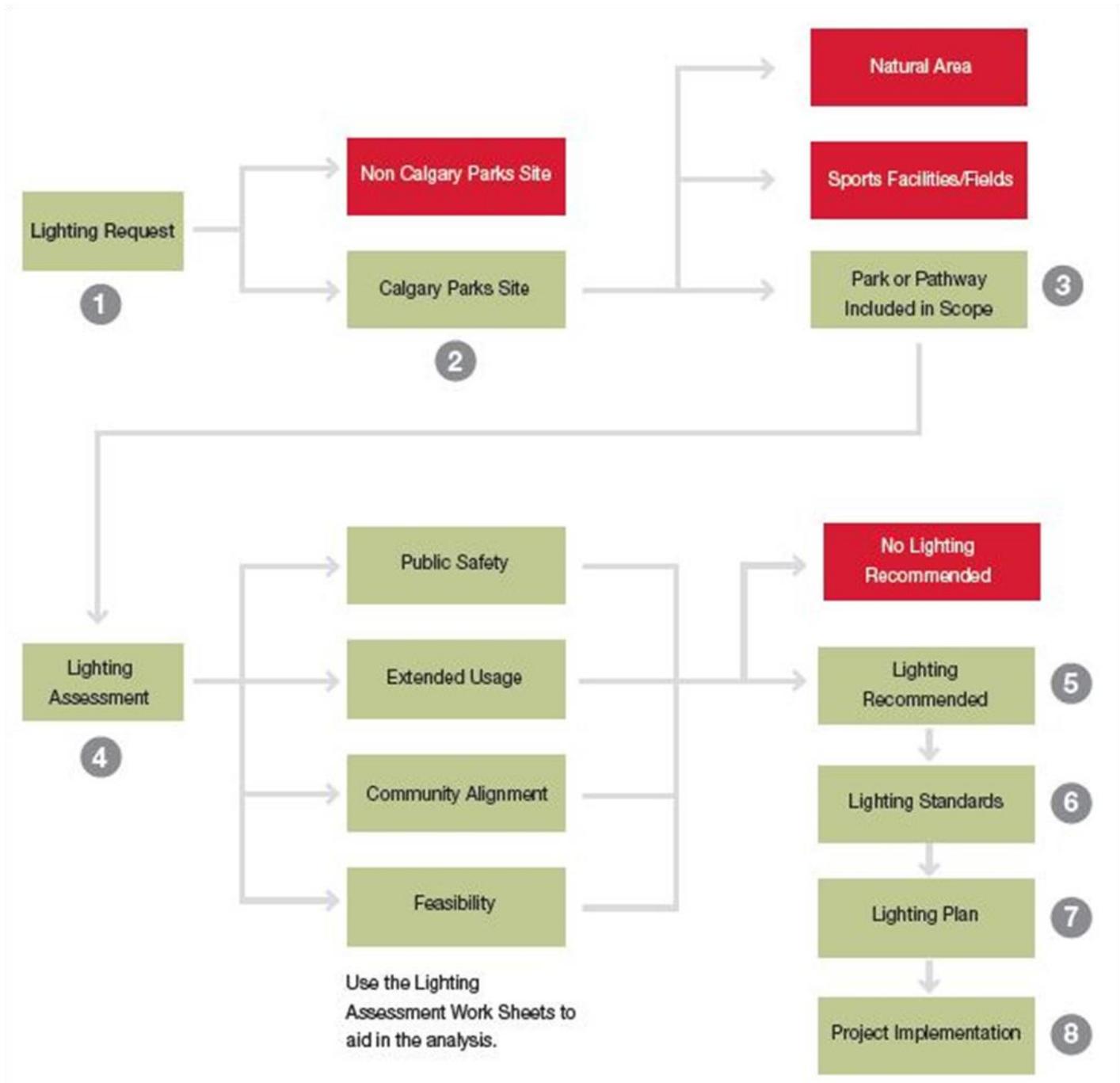
1. To help Calgary Parks make consistent, informed and sustainable decisions regarding the installation and management of parks and pathway lighting
2. To preserve the environment and wildlife connectivity, and inherent beauty that dark spaces can provide
3. To increase the use, enjoyment, safety and sustainability of parks and pathways in Calgary.



# Calgary Parks Lighting Plan

## Lighting Procedures

All lighting requests should be handled by a Parks Community Strategist and/or Superintendent.



# Calgary Parks Lighting Plan

## Lighting Project Assessment

Worksheets have been developed to help a Parks Community Strategist and/or Superintendent to assess a lighting project: in the following areas:

- Public Safety– Crime
- Extended Recreational Use
- Extended Commuter Use
- Public Safety—Collisions
- Community Alignment

At least three of the worksheets should apply for a project to be considered.

The worksheets provide a basis to create a business case for management consideration of a lighting project. If a lighting request is accepted, the worksheets must show that it was the best or only choice within the given set of circumstances. If a lighting request is rejected, the worksheets may be further used as a tool to explain the reasons for the decision and to move forward with alternative solutions.

Information from the worksheets can be used to generate a report back to the requestor of the lighting project, which would outline why the project has been accepted or rejected, as well as any other alternatives to address the concerns.

Worksheets, a template for the lighting evaluation report, and a sample lighting evaluation report, follows.

<b>PUBLIC SAFETY CRIME</b>		
<b>Factor</b>	<b>Existing Concerns</b>	<b>Actions to Take</b>
<b>Incidents of Crime</b>	Both park users and the Calgary Police feel that crime incidents are frequent in the area, and involve the infliction of harm on persons or property.	Talk to local police services to determine the number of reported crime incidents in the area within the previous twelve months and if there is an existing safety concern.
<b>Notes:</b>		
<b>Risk of Crime</b>	Both park users and the Calgary Police feel that crime incidents are relatively high in the park or pathway, compared to similar areas.	Talk to local police services to determine the number of reported crime incidents in the area within the previous twelve months. Compare that figure to the park or pathway usage statistics for the previous twelve months.
<b>Notes:</b>		
<b>Fear of Crime</b>	The affected community scores high on a Fear of Crime survey and action is already being taken to reduce the risk of crime in the neighbourhood.	Coordinate with local police services and complete a Fear of Crime survey with the affected community.
<b>Notes:</b>		
<b>Visibility</b>	There is low visibility around park entrances, parking lots, buildings or regional pathways where public safety concerns relating to crime exist.	Perform a site visit to the area during the day and after dark to determine the level visibility in the area. The optimal range for increasing the level and feeling of safety is 10 metres of clear sight around entrances, parking lots, buildings and regional pathways.
<b>Notes:</b>		
<b>Alternative Options</b>	If negative impacts from lighting parks for recreational purposes are expected to occur, consider other options to lighting. Examples of negative impacts could include the creation of an unrealistic precedent for other parks or promoting unwanted behaviour in the area.	Consult the community and crime prevention experts to determine any negative social impacts of lighting the park that may occur. Consider the larger impact of lighting on the neighbourhood and other parks in the region.
<b>Notes:</b>		

<b>COMMUTER ROUTES</b>		
<b>Factor</b>	<b>Existing Concerns</b>	<b>Actions to Take</b>
<b>Alternate Routes</b>	There are no lit commuter pathways, cycling routes or regional pathways within 3km. Alternatively, the pathway is the only connection between critical destinations, such as a transit stop or a building entrance.	Confirm with Calgary Parks GIS data that there are no lit pathways that are reasonable alternatives within 3km of the pathway.
<b>Notes:</b>		
<b>Intensity of Pathway Use</b>	The pathway is a very busy cycling commuter route from May to August. Evening use in the remaining months is desirable.	Complete a cyclist count between 5pm and 8pm to determine the number of users if intensity of use is unknown.
<b>Notes:</b>		
<b>Visibility</b>	The pathway travels through an underpass or tunnel, reducing visibility during the day as well as after dark.	Perform a site visit to the area during the day and after dark to determine the visibility around the area.
<b>Notes:</b>		
<b>Alternative Options</b>	If there are alternative solutions to lighting or negative impacts of lighting are expected to result, do not light.	Consult with park and pathway maintenance staff to determine if there are other opportunities for increasing awareness of user traffic and physical barriers in the area without lighting. See if there is an alternate pathway or street that may be used safely.
<b>Notes:</b>		



<b>EXTENDED RECREATION USE</b>		
<b>Factor</b>	<b>Existing Concerns</b>	<b>Actions to Take</b>
<b>Availability of Park Features</b>	There are no lit parks nearby offering the same amenities.	Survey the region, and adjacent region, for similar parks and confirm there is no lighting in these areas. Confirm with Calgary Parks GIS data that there are no lit parks offering the same amenities within a 10km radius of the park.
<b>Notes:</b>		
<b>Public Amenities</b>	The park or pathway contains a feature or amenity that requires lighting to be safely used. This may include a ramp, tunnel, stairway, washroom, memorial structure or building that must be accessed after dark.	Confirm with Calgary Parks staff and Superintendents that the feature or amenity is intended to be used after dark and must be lit to be used safely.
<b>Notes:</b>		
<b>Intensity of Park Use</b>	The park area is very busy between 6pm and 11pm during the months of May to August. Evening use in the remaining months is desirable.	Complete park user counts between 6pm and 11pm to determine the number of users if the intensity of use is unknown.
<b>Notes:</b>		
<b>Age and Ability of User Groups</b>	The major user group of the park facilities or pathways are senior citizens or people with limited abilities related to vision. (For example, the park or pathway is situated next to a Long Term Care facility.)	Understand the composition of the neighbourhood and the user needs of the park with regards to accessibility. Seniors or persons with disabilities may require more lighting than others.
<b>Notes:</b>		
<b>Alternative Options</b>	If negative impacts from lighting parks for recreational purposes are expected to occur, consider other options to lighting. Examples of negative impacts could include the creation of an unrealistic precedent for other parks or promoting unwanted behaviour in the area.	Consult the community and crime prevention experts to determine any negative social impacts of lighting the park that may occur. Consider the larger impact of lighting on the neighbourhood and other parks in the region.
<b>Notes:</b>		

<b>PUBLIC SAFETY: COLLISIONS</b>		
<b>Factor</b>	<b>Existing Concerns</b>	<b>Actions to Take</b>
<b>Number of Collisions</b>	Frequent collisions involving one or more persons walking, cycling, using a mobility device or driving a motorized vehicle have been reported.	Talk to local police services and 311 to determine the number of reported collisions in the area within the previous three months.
<b>Notes:</b>		
<b>Risk of Collision</b>	Collisions are relatively high compared to the frequency of park or pathway use within previous three months.	Talk to local police services and 311 to determine the number of reported collisions in the area within the previous three months. Compare that figure to the park or pathway usage statistics for the previous three months.
<b>Notes:</b>		
<b>Visibility</b>	Calgary Parks staff feel there is low visibility around park entrances, parking lots, buildings or regional pathways where public safety concerns relating to collisions exist.	Perform a site visit to the area during the day and after dark to determine the visibility around the area. Sight lines along pathways, roadways and in parking lots should be clear.
<b>Notes:</b>		
<b>Alternative Options</b>	If there are alternative solutions to lighting or negative impacts of lighting are expected to result, do not light. Consider other options for increasing visibility, including managing vegetation and removing other barriers to sight. If the root cause of collisions is from improper use of the park or trails, consider using signage or educational opportunities to mitigate the risk.	Speak with park and pathway maintenance staff to determine if there are other measures that can be taken to reduce the number of collisions in the area besides lighting. Also speak with the community and crime prevention experts to determine any negative social impacts of lighting the area. See if there is an alternate pathway or street that may be used safely.
<b>Notes:</b>		

<b>COMMUNITY ALIGNMENT</b>		
<b>Factor</b>	<b>Existing Concerns</b>	<b>Actions to Take</b>
<b>User Interest</b>	There are a large number of existing or potential users that are requesting lighting in an area. The request is not the concern of only a few individuals.	Community to provide indication that consultation has been completed. Obtain letters of support from the community association, city wide user groups, and the general public/users.
<b>Notes:</b>		
<b>Neighbouring Residents</b>	Neighbouring residents may oppose lighting as they may find it intrusive.	Community to provide evidence that neighbouring residents and community association are in support of the lighting project.
<b>Notes:</b>		
<b>Councillor Support</b>	The Councillor strongly supports the lighting project.	Contact the Councillor's office for an opinion.
<b>Notes:</b>		
<b>Community Association Support</b>	Is the Community Association in support of the project?	Contact the Community Association for a letter of support.
<b>Notes:</b>		
<b>Alternative Options</b>	If negative impacts from lighting parks for recreational purposes are expected to occur with users, neighbouring residents, or the Councillor, consider other options to lighting.	Consider the issues presented by the community and identify potential alternatives to lighting.
<b>Notes:</b>		



# CALGARY PARKS - LIGHTING EVALUATION

Park Name and Address:		<p><b>Calgary Parks Position on Lighting</b>  <i>Calgary Parks recognizes the inherent beauty that dark spaces can provide, and has a minimal lighting plan for parks. It is the practice of Calgary Parks to provide lighting only in exceptional circumstances.</i></p>
Evaluation completed by:		
Date:		<p><b>Calgary Parks Position on Trees</b>  <i>Calgary Parks strives to increase the urban forest canopy which is critical for the environment and provides significant social and economic benefits. Trees are removed only when at risk for falling.</i></p>

<b>BACKGROUND</b>	
Description of Park:	
311 Records:	
Police Records:	

**ASSESSMENT**

Public Safety (Crime)	
Public Safety (Collisions)	
Extended Recreational Use	
Extended Commuter Use	
Community Alignment	

**RECOMMENDATIONS**

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**CONTACT INFORMATION**

For further information, or guidance on implementation of recommendations, please contact 311