

Addressing Light Pollution:

Improving Our
Neighborhood

Presented by Olivia McCracken

TABLE OF CONTENTS

01

Introduction

- Background
- Community importance

02

Understanding Light Pollution

- Definition
- Effects

03

Community Impact

- Professional Impacts
- Residents' Impact

04

Mitigation Strategies

- Legislative Strategies
- Individual Strategies



01

Introduction

The background of the image is a deep black night sky densely populated with stars of varying brightness. At the bottom of the frame, a thin, dark horizon line separates the sky from a distant city skyline. The city lights are visible as a series of small, glowing yellow and white points, with some larger, more diffuse orange and yellow patches, suggesting a sprawling urban area. The overall composition is centered and balanced, with the text 'About Me!' prominently displayed in the upper half.

About Me!

Light Pollution IN OUR COMMUNITY

- Light pollution is the excessive or misdirected artificial light that interferes with the natural darkness of the night sky.
- It has become a growing concern in our community due to the increasing use of outdoor lighting fixtures.
- Excessive brightness and improper positioning of lights have negative impacts on the environment and our daily lives.
- Light pollution affects visibility, safety, wildlife, and the natural beauty of our night sky.



IMPACT OF LIGHT POLLUTION



HEALTH

Disrupts sleep cycles,
leading to long term
health effects



ENVIRONMENTAL

Alters behavior and
habitats of nocturnal
animals



ECONOMIC

Energy is wasted,
therefore increasing
costs for
municipalities and
individuals

COMMUNITY AWARENESS AND ENGAGEMENT



Raising Awareness

It is important to educate the community on impacts



Engaging the Community

Implementing educational programs and community events to get everyone involved



Collaborating

Work with residents, businesses, national organizations to act collectively



Policy Initiatives

Create and support policies to promote responsible practices

BUT, HOW WILL THIS HELP YOU?



PRESERVE THE SKY

The sky is beautiful. We
all deserve to see it



PROTECT YOUR HEALTH

Improve sleep and
well-being



PROTECT WILDLIFE

Preserve natural
habitats



SAVE ENERGY

Stopping light pollution
also stops our energy
problems



SAVE MONEY

Less consumption = less
cost



KEEP THE COMMUNITY SAFE

Promote public safety,
reduce accidents and
crimes

02

UNDERSTANDING
LIGHT POLLUTION

Light Pollution IN OUR COMMUNITY

- Light Pollution: The excessive or misdirected artificial light that adversely affects the natural darkness of the night sky and disrupts ecosystems, astronomy, health, and energy efficiency.
- Types of Light Pollution:
 1. Skyglow: Brightening of the night sky caused by scattered and reflected artificial light, obscuring stars and celestial objects.
 2. Glare: Excessive brightness or unshielded light that causes visual discomfort and reduces visibility.
 3. Light Trespass: Unwanted or intrusive light that spills into areas where it is not needed or desired.

IMPACTS OF LIGHT POLLUTION

01

ECOLOGICAL

Disrupts ecosystems, alters wildlife behavior and migration patterns, and affects plant growth.

02

ASTRONOMICAL

Obscures stars and celestial objects, limiting stargazing and astronomy research opportunities.

03

HEALTH

Disrupts natural day-night cycles, causes sleep disorders, hormonal imbalances, and increases the risk of certain diseases.

04

ENERGY WASTE

Unnecessary or poorly designed outdoor lighting leads to energy waste and increased greenhouse gas emissions.

03

COMMUNITY IMPACT

20% visibility

According to IDA Pittsburgh

80% lost

How much longer until it is 100%?

\$3billion lost

\$3 billion lost annually to bad lighting

ENGAGE THE COMMUNITY

-
- Raise awareness about light pollution and its impact on the community.
 - Encourage community involvement and participation in addressing light pollution issues.
-

30% reduction

When reduction strategies are used



Brochure: Community Action Guide

- A comprehensive resource for residents to understand and take action against light pollution.
- Provides practical tips, guidelines, and local resources for implementing light pollution solutions.
- Encourage residents to access the brochure:
 - a. Distribute hard copies at community events, local libraries, and municipal offices.
 - b. Provide digital versions for easy access and sharing through the community website or social media platforms.

Brochure Components

Key Topics Covered in the Brochure:

Understanding Light Pollution:

- Explanation of what light pollution is and its detrimental effects on the environment, wildlife, and human health.

Assessing Light Pollution in Our Community:

- Step-by-step guide on how to evaluate light pollution levels in different areas of the community.

Taking Action:

- Practical tips and strategies for individuals and community groups to reduce light pollution.

Advocacy and Collaboration:

- Guidance on engaging with local officials, organizations, and businesses to promote dark sky-friendly policies and practices.

Resources and References:

- Compilation of useful resources, websites, and references for further information and support.

Want to learn more?

+123-4567-890
hello@reallygreatsite.com
123 Anywhere St., Any City,
ST 12345

Want to look up and
see this every
night?



A BEGINNER'S GUIDE TO LIGHT POLLUTION

Impact and Solutions

idapgh.org

Olivia McCracken,
Local Representative

WHAT IS LIGHT POLLUTION?



Light pollution is the excessive or misdirected artificial light that disrupts the natural darkness of the night sky. It is a growing concern in our modern world, affecting both urban and rural areas. Understanding the impact of light pollution is crucial for preserving our environment, promoting energy efficiency, and ensuring the well-being of both humans and wildlife.

IMPACT

Ecological:

- Disruption of wildlife behavior and ecosystems.
- Disturbance of nocturnal animals and their natural habitats.

Health:

- Sleep disturbances and related health issues.
- Increased risk of certain diseases and disorders.

Energy:

- Excessive outdoor lighting leads to unnecessary energy consumption..

By understanding the effects of light pollution, we can work towards creating a more sustainable and harmonious environment.

HOW TO STOP IT

1. Use Proper Lighting:
 - Choose energy-efficient outdoor lighting fixtures with shields or hoods to direct light downward.
 - Avoid LED lights when possible
2. Light Curfew:
 - Implement light curfews for non-essential outdoor lighting.
 - Turn off decorative lighting after everyone has gone to bed.
 - Encourage neighbors and businesses to do the same
3. Preserve Natural Darkness:
 - Support the designation of dark sky areas and promote their preservation.
 - Advocate for responsible outdoor lighting ordinances in your community.
 - Plant trees and use landscaping to create natural barriers that shield against light pollution.

Small changes can make a big difference.

04

MITIGATION STRATEGIES

Implementing Dark Sky-friendly Lighting

- Use shielded fixtures
- Use warm-tone LEDs

Light Pollution Education and Outreach

- Organize community workshops and seminars on light pollution awareness
- Collaborate with schools to incorporate light pollution education in the curriculum
- Distribute informational brochures and materials to raise public awareness

Policy and Regulation

- Develop and enforce lighting ordinances to control excessive and unnecessary lighting
- Collaborate with city planning departments to integrate dark sky considerations into urban planning
- Advocate for the adoption of lighting standards that prioritize energy efficiency and dark sky preservation



"The night is a world lit by itself."

—Antonio Porchia

THANKS!

Do you have any questions?

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RESOURCES

Here's an assortment of alternative resources whose style fits that of this template:

Photos:

- Bottom view of beautiful trees and the sky
- Rocky mountains and starry night sky
- Ground view of beautiful trees and the sky
- Forest road of evergreen trees and sky with stars
- Panoramic view of sunset
- Front view trees with night sky background
- Low angle tall tree with starry night background
- Landscape with forest and night sky

IDA Pittsburgh

International Dark-Sky Association, Dark Sky Advocacy Toolkit