

PAMPHLETS FOR GOVERNMENT OFFICIALS

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INTRODUCTION

TIMELINE OF OUR RESEARCH

Research on tips on the internet and IDA website

Research

01

Reached out to Flore Marion to understand more about citizen engagement in government

Outreach

03

Writing Pamphlet #1

Using a Canva template, we wrote our pamphlet

02

02

PAMPHLET #1

IDA website lists
all lights and
companies that
are Dark Sky
approved

SOME STELLAR PRODUCTS THAT YOU CAN BUY

If you feel inspired to make some changes around your home, here are some products that are International Dark Sky Approved



Bryson Wall Mount by the
Hudson Valley Lighting
Group



Beta Pendant LED
Lamp from Selux



Eon 303 BI Path Lights
from Cooper Lighting
Solutions

SOURCES AND ADDITIONAL READING

United Nations. (n.d.). (rep.). Dark and Quiet Skies
for Science and Society.

<https://www.darksky.org/our-work/lighting/lighting-for-industry/iso/iso-products/01/Search-by-Use/c/19306351>

<https://www.conserve-energy-future.com/impressive-ways-reduce-light-pollution.php>

QUESTIONS?

[name here]
[address here]
[phone number here]
[email here]
[website here]

PRESERVING THE DARK SKY

HOW SIMPLE CHOICES AT
HOME CAN HELP YOU SEE
THOUSANDS OF STARS WITH
YOUR NAKED EYE

Editable for
officials to input
their contact info

CHANGES YOU CAN MAKE IN YOUR HOME

Turn Off Your Lights When You're Not Using Them

Other than saving energy, it will help minimize the amount of light leaving your windows

Use Black Out Curtains

You can reduce the light getting in your home (helping you sleep better) and the light leaving your home

Continue to Educate Yourself and Others

Spreading the word to your family and friends helps bring attention to this problem and together, we can start to make big changes

CHANGES YOU CAN MAKE IN YOUR BACKYARD

Reduce Using Decorative Lighting

While fairy lights and other decorative light fixtures add to the atmosphere, limit their use to celebrations and turn them off at midnight

Use Covered Lights and Face them Downwards

This will minimize wasted light shining into the sky. Below are some examples of good lighting:



ALURA LED
Outdoor Lamp



Ashbery Pathlight

Set Timers or Use Motion Sensor Lights

Many astronomers conduct their research from 12-4 A.M. so setting timers can be easier than manually turning your lights off at these times

WHAT IS LIGHT POLLUTION?

Light pollution is the presence of unwanted artificial light that can cause negative effects. This can include glare from streetlights that impair your vision when driving or light entering your room while trying to sleep from your neighbor's house.

HOW CAN LIGHT POLLUTION AFFECT YOU?

Other than bothering you when you're trying to sleep, light pollution has more dire effects on you and others long term. Here are some effects that light pollution can have on you and the environment around you:

- Disrupt your circadian rhythm which can cause sleep deprivation, headaches, and higher levels of stress
- Higher rates of retinal degradation even at lower levels of LED lights
- Higher risk of developing endocrine cancers such as breast and prostate cancer
- Higher risk of diabetes, heart disease, and obesity

Taken from UN
report

03

PAMPHLET #2

Background for Citizens



What is Light Pollution

Giving a short description for those who don't know



How Can Light Pollution Affect You

Creating an incentive for citizens to get more involved and listing health effects of light pollution

States and Cities with Lighting Ordinances



States highlighted and cities with orange dots are those with ordinances

(20 states and 397 cities)



New Mexico

Night Sky Protection Act includes shielded outdoor lighting, 11 p.m. curfew for outdoor recreational facilities, and additional regulations.



Connecticut

State funds that are used to install or replace outdoor lights must follow strict rules such as lights not being allowed to be brighter than 1,800 lumens



Pittsburgh, PA

Created ordinance for all city parks, facilities, and street lights which requires them to follow guidelines such as a limit on color temperature



Ann Arbor, MI

Created regulations that apply to outdoor lighting on private property in the city which include having limits on light trespass to property lines

How Citizens Can Get Involved



**Stay Informed
and Teach
Others**



**Interact with
Your Community**



**Contact Local
Government
Representatives**



**Participate in
Public
Consultations**



**Talk to Local
Businesses**



**Form Your
Own Group**

04

PAMPHLET #3

Five Principles for Responsible Outdoor Lighting



Useful

All light should have a clear purpose



Low Light Levels

Light should be no brighter than necessary



Targeted

Light should be directed only where needed



Color

Use warmer color lights when possible



Controlled

Light should only be used when it is useful

Model Light Ordinance



What is it?

Lighting template designed to help municipalities develop outdoor lighting standards that reduce glare, light trespass, and skyglow



Evaluation

It influenced municipalities to adopt lighting policies and building codes such as California Title 24 and ASHRAE 90.1



Future

Municipalities should review the prescriptive method outlined in the model because there have been technology advancements

What We Learned



Implementing lighting regulations



Educating the public



Promoting dark sky preservation

THANKS!

Do you have any questions?



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