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LD 1845 Lighting
Environmental and Natural Resources Committee

Nancy Hathaway, president
Dark Sky Maine
DarkSkyMaine.com

Hello

My name is Nancy Hathaway.

I grew up in Gardiner on the Kennebec, where at four years old looking out my bedroom window I watched what I thought were clouds forming but it was pollutants from the smokestacks of the shoe and paper factories, where I thought all air smelled like sulfur, where I thought all rivers were used as dumps for chemicals from the factories and household waste, and where I thought the streetlamp outside was the moon. Seriously.

The river got cleaned up.
The air is cleaner.
But, the light pollution has increased.

Now is the time to address light pollution.

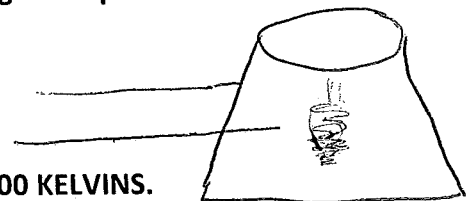
After parts of the North Maine Woods became international dark sky designations because Maine has the darkest skies east of the Mississippi River, Dark Sky Maine the non-profit, was formed. Dark Sky Maine helps all of Maine **"Preserve our Dark Sky Heritage."**

In Maine, we see stars that 80% of the world's population cannot see.

As I travel around the state showing the film, Defending the Dark, people come forward saying "we want to save the night sky but –that car dealership, residents around Sugarloaf, lumber yards, etc.. Streetlights shine in my bedroom window." 90% of the people I talk with come to me and say "oh the lights shine on my property" That is called **'light trespass'**

THREE MAIN ISSUES TO SOLVE LIGHT POLLUTION

- 1. SHIELD OUTDOOR LIGHTS**
- 2. LIGHT BULB TO BE ABOVE THE PLANE OF THE SHIELD**
- 3. ALL LIGHT BULBS INCLUDING LEDS – USE LESS THAN 3,000 KELVINS.**



Thank you,
Nancy Hathaway



DARK SKY MAINE
DARKSKYMAINE.COM
DarkSkyMaine@gmail.com
PO Box 506, Blue Hill, Maine 04684

OUTDOOR LIGHTING RECOMMENDATIONS

1. Shield lights so light points down covered by the shield and not pointed up the sky.
2. Light bulb to be above the plane of the shield to reduce light leakage
3. All light bulbs, including LEDs, use *less* than 3,000 Kelvins (small numbers are on the package). This is a warmer light.
4. If using a timer, use LED light bulbs less than 3,000 Kelvins.