OLIVIA ROSS

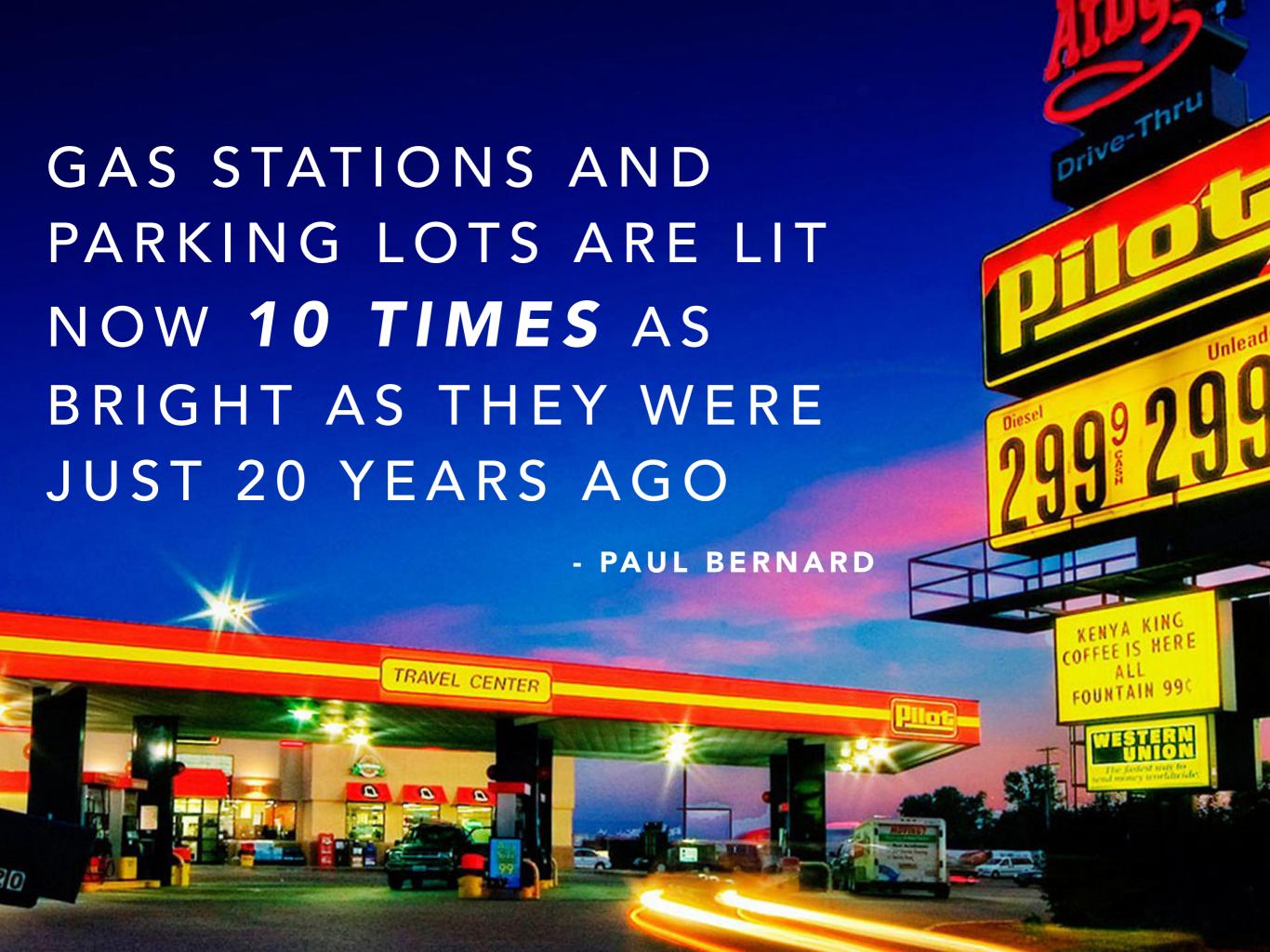
CLOUD KICKER INITIANTIVE

CROWDSOURCING SOLUTIONS FOR LIGHT POLLUTION

WHEN YOU CAN NO LONGER SEE THE STARS AT NIGHT:

LIGHT POLLUTION IN AMERICA







WILDLIFE CONCERNS

WHEN ANIMALS CAN'T TELL THE DIFFERENCE BETWEEN NIGHT AND DAY:

Birds are distracted from their migration

Sea turtles are disoriented and wander into nearby roads

Artificial light can disrupt the mating calls of frogs

These lights also interfere with bat feeding patterns

MORE THAN A THIRD OF ANIMALS ARE NOCTURNAL

BABY TURTLES WANDER INTO THE STREETS THAT GIVE OFF MORE LIGHT THAN THE MOON THEY INSTINCTIVELY FOLLOW

HEALTH CONCERNS

OUR BODIES RESPONSE TO ETERNAL DAYTIME:

Increases risk of breast and colorectal cancer

Increased risk of depression

Accelerating tumor growth



SOLUTION

CITIZEN SCIENCE WHERE SCIENCE GETS SOCIAL

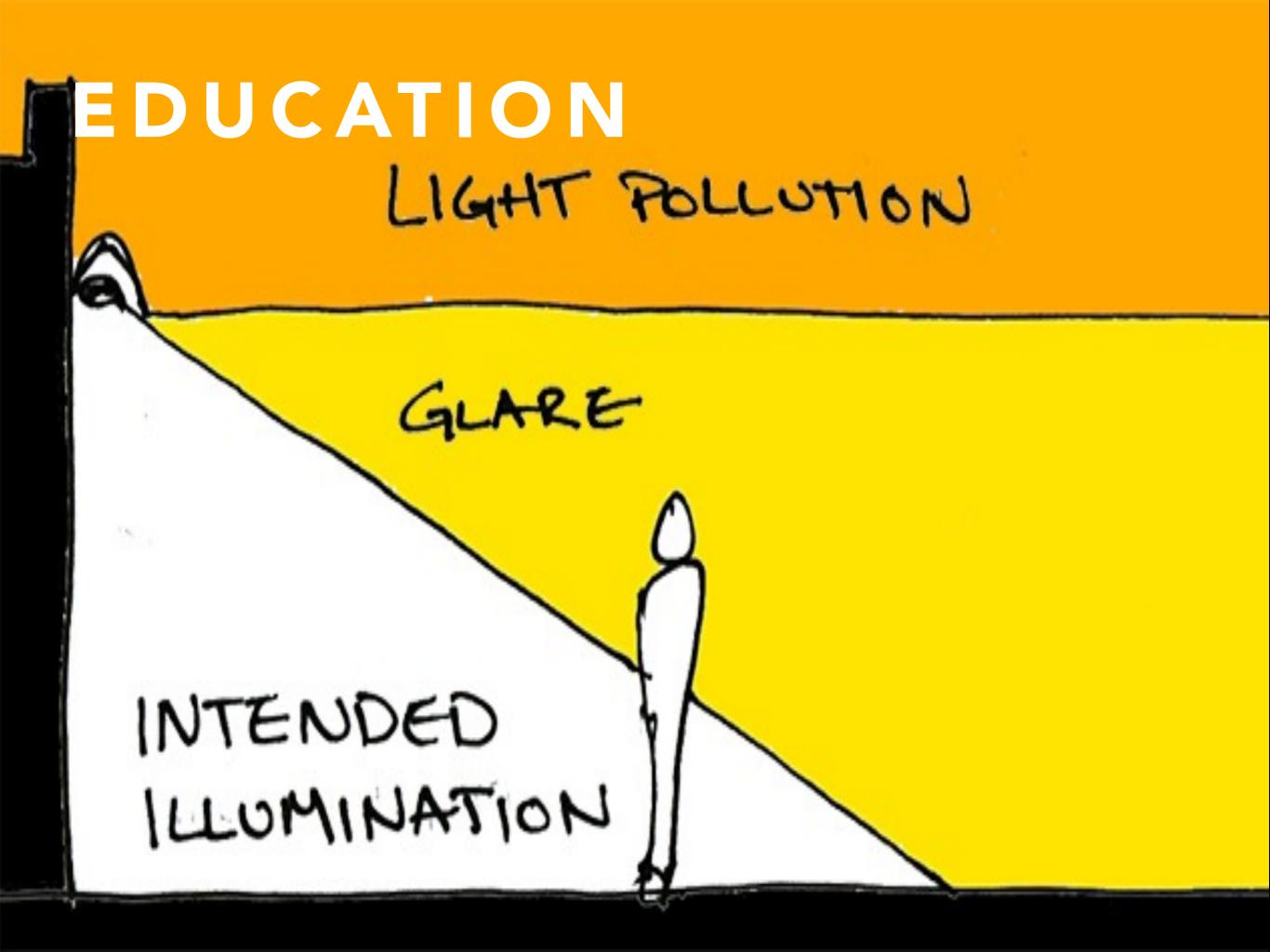
THERE ISN'T ENOUGH DATA

SO WE MAKE MORE DATA OURSELVES

A web-based platform aimed towards K-12 students, college students, environmental advocates and the average busy person.

Users collect data by taking pictures of their night sky, counting how many stars they can see outside their houses, etc. and store it in a public database.

Using this data combined with other datasets from NASA and other entities, users can compete with each other, making clever visualizations and gaining insights from the data



INFORMATION FOR CITIZENS

HOW PEOPLE CAN GET INVOLVED, PART I

Help people keep track of their habits when it comes to using their light in an easy, almost gamified way

Encourage people to use more efficient light bulbs, dimmers, and other tools to save both light and money

WHY DOES LIGHT NEED TO BE SAVED?

To save light is to not shine lights where they're not needed/are harmful to other living things. Simply closing the blinds at night can reduce light pollution!

RESOURCES FOR ADVOCATES

HOW PEOPLE CAN GET INVOLVED, PART II

Materials (flyers, posters, bookmarks, etc.) and articles for excited advocates to spread awareness about the extreme dangers of light pollution

With this accumulation of data from the public, new research can be conducted to gain even deeper insight into the harms of light pollution, providing more fuel for advocates to talk to people and explain what's going on

PROJECTED IMPACT

SPARKING CHANGE

- Community is engaged and feels like they own the change
- More data for even further research
- Better informed advocates
- Leading to increased government pressure for change

