

## Light the Way to Safety

Lighting is critical to creating safe streets for all. In response to harsh weather, traffic, and light conditions, adaptive lighting can optimize visibility, minimize glare, and enhance depth perception to improve driver response times and reduce the risk of collisions.

# 43K

People died on US roads in 2022



# 3 out of 4

Pedestrian deaths happen at night

# 3x



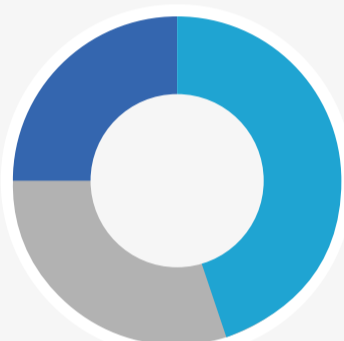
Higher risk of being involved in a fatal crash at night vs the day, despite less traffic

Adding lighting at intersections can reduce crashes by as much as



# 42%

# 25-40%



of US roads do not meet recommended lighting levels

# Up to 30%

Reduction in nighttime crashes with improved street lighting

## Safe Streets for All (SS4A)

As part of the Bipartisan Infrastructure Bill (BIL), the U.S. Department of Transportation will award a series of grants to fund regional, local, and Tribal initiatives that support the goal of zero roadway deaths. Street lighting is an essential and proven component of these road safety initiatives.

# 5

 Billion in funds over years

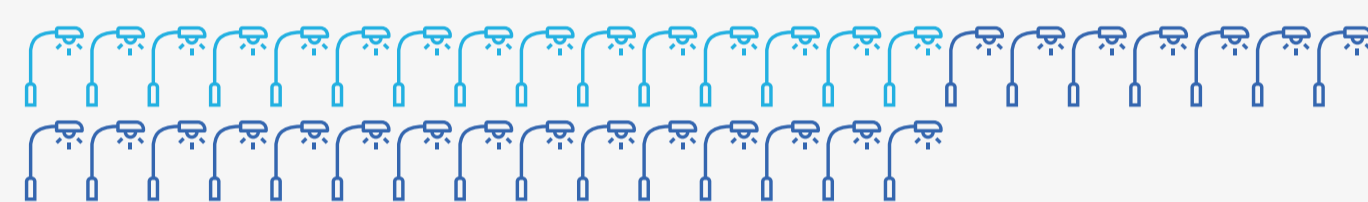
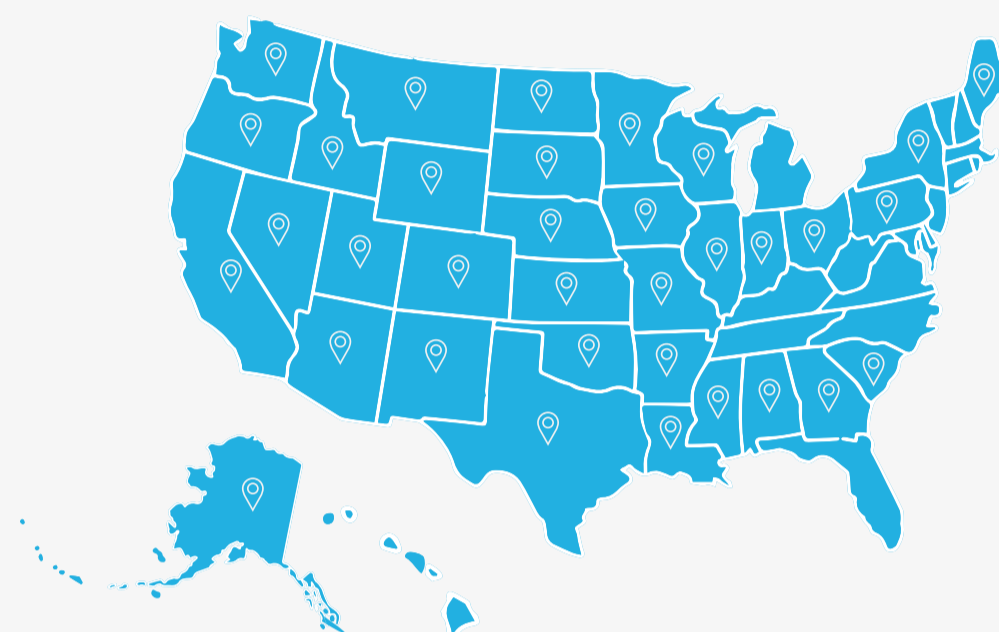
Grant sizes range from

# \$100K to \$25M



# \$800M

Awarded in FY22 by USDOT to 511 communities across the US

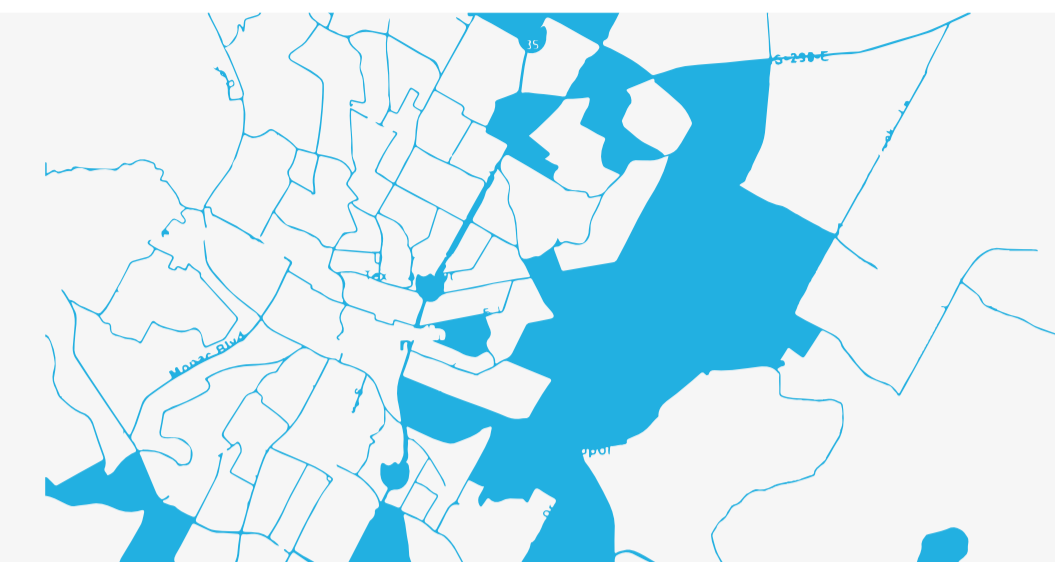


# 15/37

 of last year's FY22 grant winners specified lighting in their use of funds

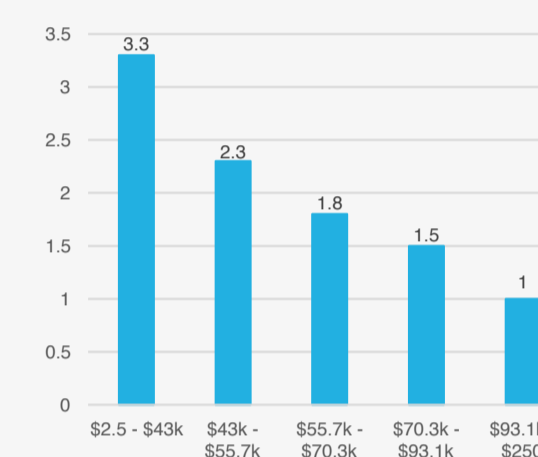
## Equity Matters

In alignment with the Justice40 Initiative, marginalized communities are a priority in deciding who is awarded SS4A funding.



# 40%

of government program funds will directly impact underserved communities as identified by Underserved Census Tracts



Pedestrian collisions are

# 3x more likely

for people in low-income communities than high-income areas

Black pedestrians are struck and killed at a rate

# 82% Higher

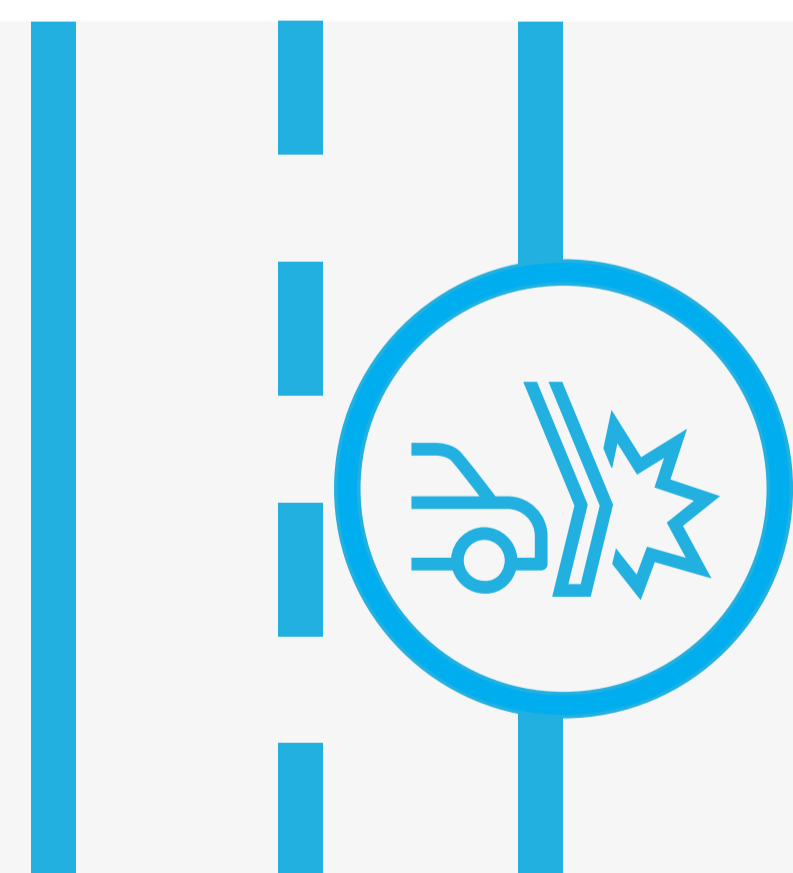
than non-Hispanic White people

## The Impact of Intelligent Lighting

Intelligent lighting benefits the safety of drivers, cyclists and pedestrians by improving the visibility of street markings, signage, and other road users with optimized depth perception and reduce glare.

# 50%

Reduction in fatal and serious midblock crashes at night expected for each



# .04 cd/m<sup>2</sup> Increase

In average luminance



Proper lighting can reduce crime by up to

# 36%

## Smart, Safe, Sustainable

Along with improving safety, network streetlight controls help cities reduce greenhouse gas emissions and save up to 40% on operating costs. Since projects typically pay for themselves in under 4 years, cities can invest the money in other initiatives.



### Easy to Deploy & Manage

UbiCell simply plugs into the top of the photocell socket and starts to deliver data over a cellular network. It is controlled by UbiVu, a cloud-based asset management system.

Ubicquia® creates intelligent infrastructure platforms that are compatible with 360 million streetlights and 500 million transformers that line our streets. They deliver energy savings, enhance public safety, bridge the digital divide, and improve grid resiliency.

Ubicquia products are deployed by more than 700 customers, including some of the largest cities, utilities, and mobile operators in North America.

If you want to explore how intelligent lighting can make your streets safer, contact us at [info@ubicquia.com](mailto:info@ubicquia.com) or visit our website [www.ubicquia.com](http://www.ubicquia.com)