



FULPHIL PRESENTS OUR

2019 CHALLENGE

PUBLIC SAFETY

INSTILLING SAFETY FOR
400,000 PEOPLE

TABLE OF CONTENTS

THEME ANNOUNCEMENT.....	3
How can we <i>fulfill</i> Philadelphia's need to instill a sense of safety for 400,000 people by 2035 through creating social enterprises?	
SAFETY DEFINED.....	5
Local & global relevance of theme	
Mayor's goal.....	6
UN Sustainable Development Goals.....	8
CITY OF: PHILADELPHIA IS.....	9
a city of brotherly love & diversity.....	9
a city of sanctuary.....	10
a city to fulfill	11
DIMENSIONS OF PUBLIC SAFETY.....	12
Shootings & homicides.....13	
Opioid & other drug use.....15	
Trespassing, theft, robberies, & burglaries.....17	
Terrorism.....19	
Youth violence.....21	
Sexual harassment & violence.....23	
Traffic safety.....24	
Homelessness.....26	
Infrastructure.....28	
Fire safety.....29	
AUTHORED BY.....	31
WORKS CITED.....	32



Public Safety

INSTILLING SAFETY
FOR 400,000 PEOPLE

#FULPHIL #PHILLYCANTWAIT

FULPHIL CHALLENGES OUR COMMUNITY TO ANSWER THE
2019 CHALLENGE

**How can we *fulphil* Philadelphia's need to
instill a sense of safety for 400,000 people
by 2035 through creating social enterprises?**

What does it mean to be **safe**?

Safe (/sāf/ • adj)

protected from or not exposed to danger or risk;
not likely to be harmed or lost

83% of Philadelphians feel safe in the day, but only **27%** at night.
82% will even change their behaviors when in the city due to fear of crime.



THE MAYOR'S GOAL

"to make Philly one of the safest cities in the US"

C U R R E N T L Y . . .

Philadelphia has the nation's **4th** **largest police force**, with over 6300 sworn members and 800 civilian personnel. In addition, PPD has 25+ partners to help keep Philly safe.¹

Even with this large support force of the city, public safety is still an issue. Since 2006, PPD has reported the following:

500K+
thefts

100K+
burglaries

200K+
vandalisms

1M+
other crimes²



Fulphil's 2019 Challenge is critical on a global scale

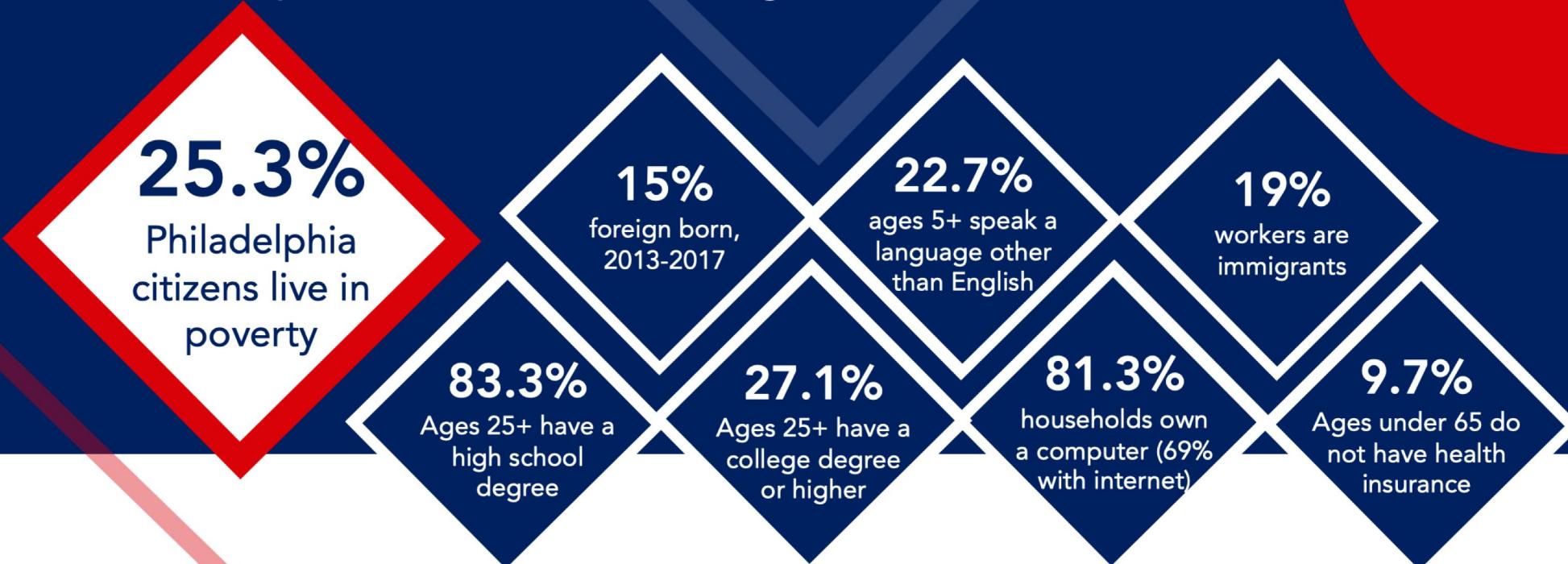


The **United Nations' Sustainable Development Goals (UNSDGs)** are a collection of 17 goals defined by the United Nations General Assembly in an effort to end poverty and other deprivations, improve health and education, reduce inequality, and spur economic growth – all while advocating for sustainability and climate action.³

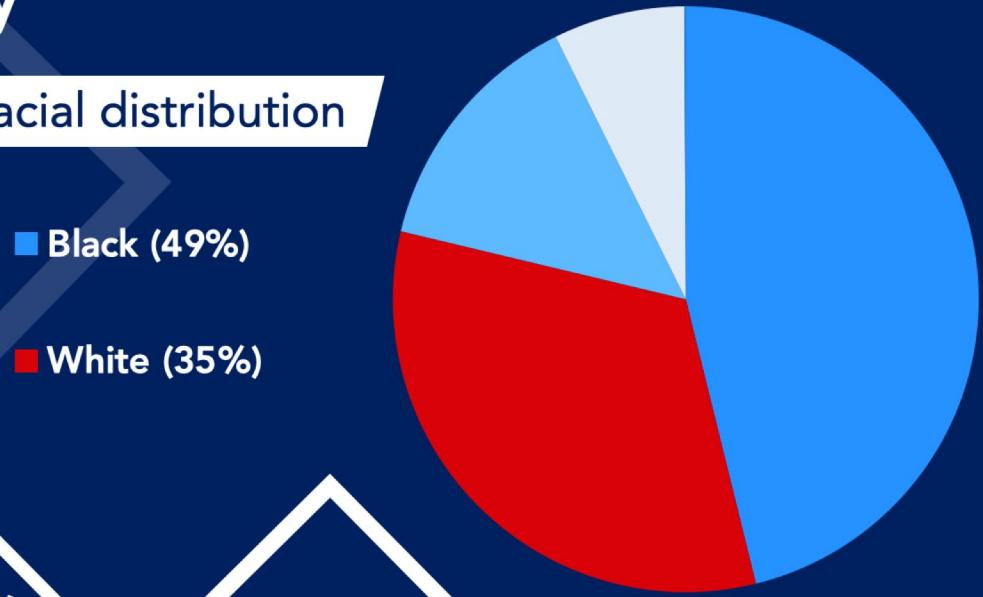
Our **2019 Challenge** in public safety is broadly defined and potential solutions can be relevant to any of the 8 SDGs listed: No Poverty; Good Health and Well-being; Gender Equality; Decent Work and Economic Growth; Industry, Innovation, and Infrastructure; Reduced Inequalities; Sustainable Cities and Communities; Responsible Consumption and Production; Peace, Justice, and Strong Institutions.

Philly is a city of brotherly love & diversity

Philly is incredibly racially and socioeconomically diverse. We are seeking startup ideas that restore dignity for the targeted vulnerable population. For reference, Philadelphia's demographics and sociopolitical landscape consist of the following:³



Racial distribution





Philly is a **sanctuary city**

Considering the great diversity of Philadelphia, City government is making efforts to lower barriers and be a friendly face for the immigrant population. An initiative called the Unity Cup is the Mayor's effort to bring together the diverse communities and neighborhoods of the city.⁵ The Immigrant Workers Academy is another initiative from the Mayor's Office of Immigrant affairs which aims to educate and equip Philly immigrant workers with the resources they need to fight for their rights in the workplace.⁶

13%
foreign born,
2013-2017³

69%
increase in
immigrants 2000
to 2016³

14%
immigrants live in
poverty³

Philly is a **city to fulfill**

We strive to redefine the perception of Philadelphia. While famously known as the City of Brotherly Love, we are overlooked in comparison to other large cities and left out of the conversation. We at Fulphil aim to redefine Philly through our initiative's core values of empowerment, innovation, and impact. *City of Empowerment* takes place during the fall semester, *City of Innovation* in the spring semester, and *City of Impact* in the summer. We strive to be a city of all these aspects, continue its legacy of being a city of many firsts, and ultimately a city to *fulfill* its great promise.



Fulphil has defined some suggested **problems areas** and listed existing solutions for guidance



We recommend honing in on one or more of the following stages for whichever problem area you decide to pursue



SHOOTINGS & HOMICIDES

Philadelphia has the second highest percent of firearm homicide among big cities in the country.

While violent crime is declining in Philadelphia, homicides have increased by 14% from 2016 to 2017.

From January 1st to September 21st, 2018, there have been 1,144 shooting victims—an increase of 284 (33%) from last year on this date. Of these, 223 were fatal and on September 5th alone, there were 33 shootings.⁷



GUN LAWS

Philadelphia is unable to pass laws on gun ownership or selling a gun. The City has passed gun-control bills in the past; however the courts have struck down these bills.

Efforts to help the problem include hospitals giving workshops to educate children about gun safety to share with their families.





OPIOID & OTHER DRUG USE

In Philadelphia, the number of deaths from drug overdose is HIGHER than those from homicide.

There were 1,217 overdoses in 2017 alone and of these, 1,074 involved an opioid.⁸

PPD responded to the following in 2006:





THE PHILADELPHIA RESILIENCE PROJECT

Mayor Jim Kenney created the Opioid Emergency Response Group to tackle Philadelphia's opioid crisis. The Project is focused on making neighborhoods clean and safe, reducing criminal activity, providing effective care, treatment, and housing for people with substance use disorder, and decreasing overdoses and spread of infectious diseases.²⁸

To further combat the opioid epidemic, the city has been: strengthening prevention and education, expanding access to treatment, preventing overdoses, taking legal action, and expanding the role of law enforcement.

TRESPASSING , THEFT , ROBERRIES & BURGLARIES

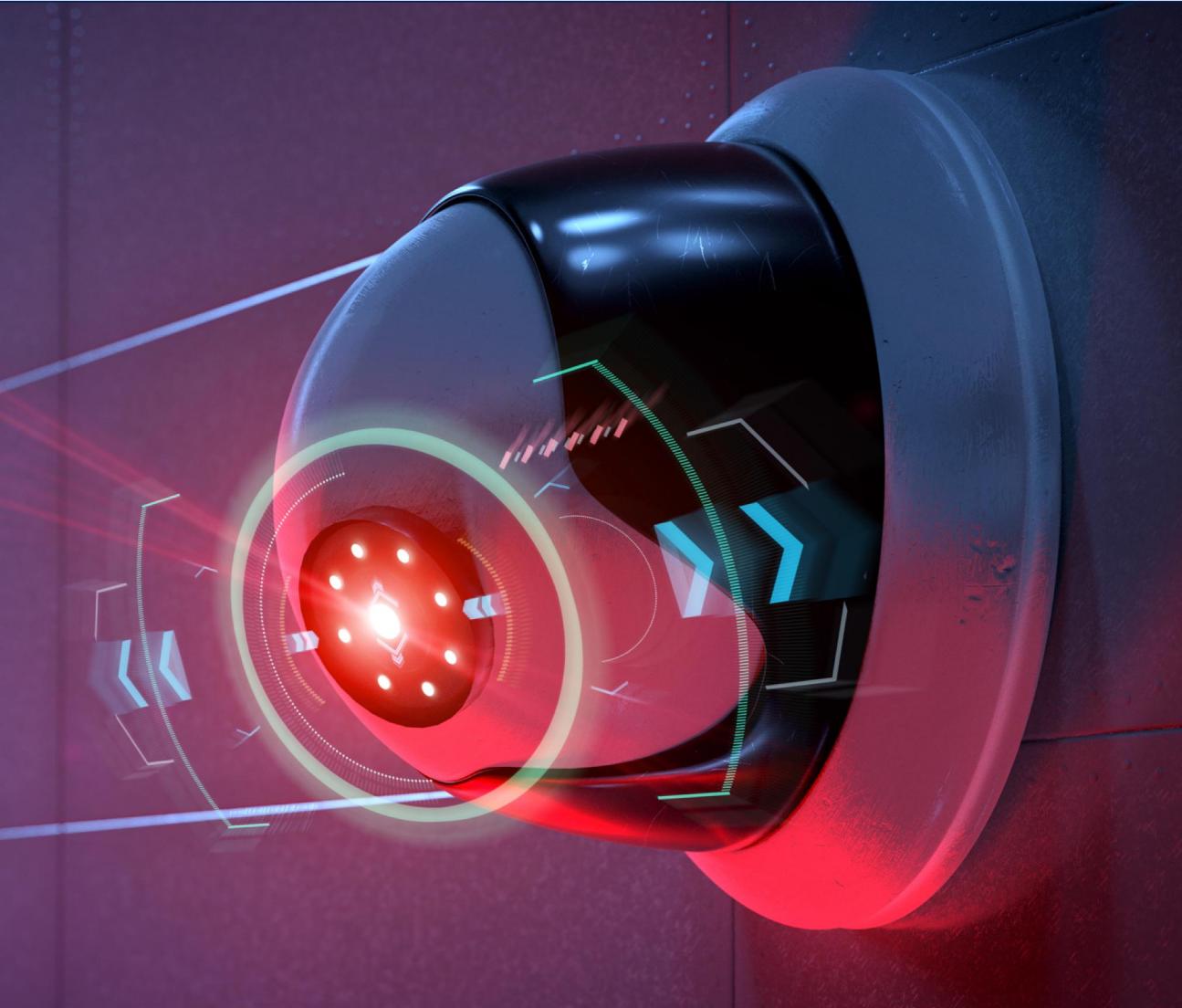
TRESSPASSING

Trespassing is defined as the entering of land or property without consent. Since 2006, there have been 6,800 incidences of loitering/vagrancy in Philly.²

THEFT

Theft is considered to be the action of stealing. There are 4,000 reported property crimes (residential + commercial burglary, personal + retail + auto thefts) per month in Philly. Year to date, there have been 45,408 property offenses (2% increase from 2017).⁹





ROBBERY

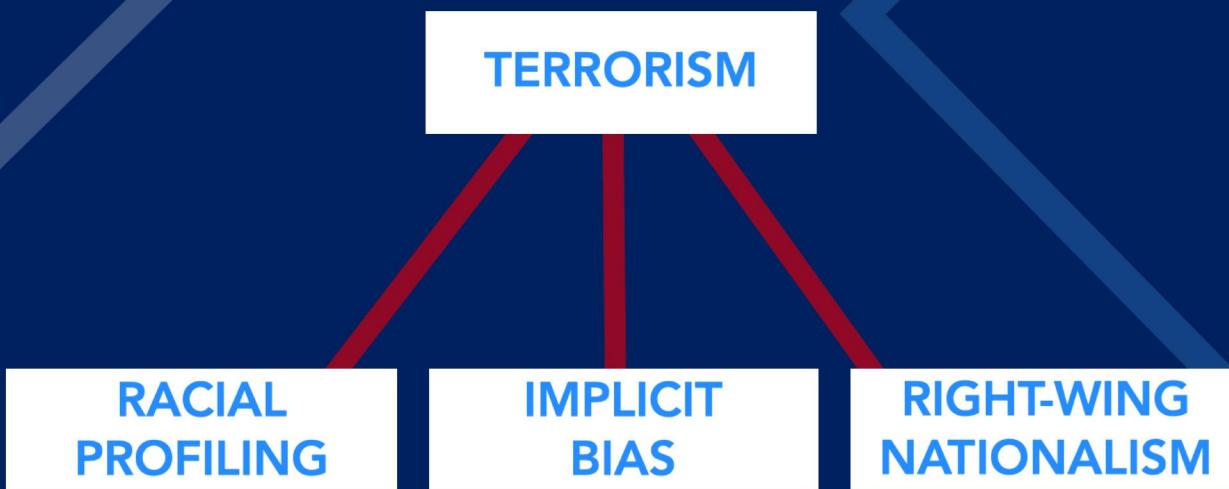
Robbery is the taking of property that involves a person-to-person interaction with force, intimidation, or coercion. Year to date, there have been 1,975 gun robberies (11% decrease from 2017, approximately 30-50 per week). As for other robberies, there have been 2,836 (50-70 per week), a 14% decrease from last year.⁹

BURGLARY

Burglary is the entering of a building or residence with the intention to commit a theft or felonious crime. Since 2006, Philly has had over 100K burglaries, with almost half involving the use of a firearm.

TERRORISM

Terrorism is a term used very broadly in today's modern world. Fulphil is categorizing it into three main problem areas of racial profiling, implicit bias, and right wing nationalism. We also welcome any others.



RACIAL PROFILING

Philadelphia is a city of diversity. With that comes many complexities including racial profiling. Rittenhouse Square has the highest racial disparities in pedestrian stops in Philadelphia: 67% of people stopped are African-American, yet their population is only approximately 3%.⁹ This suggests racial profiling and bias.

African-American drivers are twice as likely to be arrested during a traffic stop. Unarmed African-Americans are 3.49 times more likely to be shot by police than unarmed Caucasians.⁹ There have even been cases of non-criminal arrests of suspected (those who appear to look like) undocumented immigrants.¹⁰

TERRO RISM

IMPLICIT/UNCONSCIOUS BIAS

38% of Americans have an unfavorable view of Muslims. 55% of Muslim-Americans say it is harder to be Muslim in America since 9/11. A 2015 national survey of police and sheriff departments recorded the following: 39% stated "Al Qaeda-inspired" violence as their top concern.¹²

On April 12th, 2018, there was an incident of racial profiling discrimination towards black entrepreneurs, who were attempted to be labeled as a trespassing offense. They were arrested while merely sitting in Starbucks.¹³

The PPD Memorandum #18-02 regarding guidelines for "defiant trespass" calls was created in response to the April 2018 incident.

RIGHT WING NATIONALISM

Most convicted terrorists are US citizens.¹⁴

- 73% of incidences between Sept 12, 2001 and Dec 31, 2016 were perpetrated by far right-winged violent extremist groups.¹⁵
- Since 9/11/01, nearly twice as many people have been killed by white supremacists, anti-government fanatics, and other non-Muslim extremists than by radical Muslims.¹⁶

YOUTH VIOLENCE

Youth violence affects thousands of young people each day across the globe, impacting families, schools, and communities. Adverse childhood experiences are connected to other forms of violence, including child abuse, neglect, teen dating violence, adult intimate partner violence, sexual violence, and suicide.

It has been found that men between the ages of 18-23 with criminal fathers are 3.8 times more likely to commit a violent crime than those with non-criminal fathers. Additionally, felony assault and robbery is twice as common among youth in poverty than middle-income youth.²⁰



On the other hand, youth violence also has a relationship with the prison pipeline. Since 1992, 45 states have passed laws making it easier to try juveniles as adults. In addition, 31 states have stiffened sanctions against youths. This ultimately creates vulnerability for those young people. The number one predictor of later arrest among adolescents, particularly females, is previous suspension, expulsion, or being held back during the middle school years.

Initiatives like Anti-Violence Partnership of Philadelphia offers counseling, legal, and

educational services to prevent violence and help its victims. Meanwhile, CeaseFirePA works with communities across PA to build support from the ground up to reduce gun violence by pushing for legislative changes through advocacy. Meanwhile, in the nonprofit sector, Project Elevate is combatting the issue through a entrepreneurship training program in Philly high schools, providing resources and access for young people in underserved communities.

SEXUAL HARASSMENT & VIOLENCE

Sexual harassment & violence happen in every community in the U.S. and affects people of all genders and races. This has been an increasingly visible phenomenon with the rising #MeToo movement. Like #MeToo, through the 2019 Challenge, we aim to create startups that support survivors of sexual violence and their allies through creating an impact in the prevention, detection, response, and/or recovery stage.

2,000

women are sexually assaulted each year at Philly-area colleges²¹

15,751

requests for safety in 2015 were turned away by the city (28% increase)²¹

219

domestic homicides in Philly, 2007-2015²¹

Since 2006, PPD has responded to the following

13K +
rapes²

17K +
other sexual offenses²

TRAFFIC SAFETY

As the city economy speeds up, street traffic slows down with increased risk of fatalities. In 2016, Pennsylvania saw the lowest number of traffic fatalities on record of 1,188. However, PPD responded to almost 60k DUIs since 2006. Meanwhile, pedestrian deaths rose 25% from 2010-2015 compared to the 6% rise in traffic fatalities.²³

The most common causes of Philadelphia car accidents include:²⁴

- Distracted Driving
- Drunk Driving
- Speed
- Driver Error





Vision Zero is the City's way of eliminating all traffic-related deaths and severe injuries, while increasing safety, health, and mobility.

The Children's Hospital of Philadelphia's Teen Driving Safety Research Program is working to end teen deaths from car crashes by analyzing data and developing comprehensive solutions. [Start-up] Rapid Transit Inc. (Temple) provides non-emergency transportation services. It is committed to enhancing the lives of the disabled by providing a full service, safe, and reliable mode of transportation, servicing Philadelphia and Delaware Counties.

HOMELESSNESS

In November 2017, there were approximately 955 homeless people in Philadelphia, with 459 in Center City alone. The homeless population of Philadelphia suffers due to the different areas we have identified from the public safety sector, including mental health, racial inequality, and drug usage.¹⁸

The homeless lack adequate support for adequate health care, substance abuse, and racial inequality. They are a vulnerable population to drug usage, with 87% of homeless descendants having a history of substance abuse from 2011-2015. Many are affected by the national opioid crisis, experiencing a drastic increase of unintentional drug overdose deaths of 78%.¹⁷



ROADMAP TO HOMES:

the city's new strategic plan to "make homelessness rare, brief, & nonrecurring" in Philadelphia. This initiative emphasizes values of being person-centered, trauma-informed, data-driven, flexible, efficient, transparent, and accessible.²⁷

Additionally, Project HOME's Healthcare Services offered integrated physical and behavioral healthcare recovery services and wellness programs for people.





INFRASTRUCTURE

When solving public safety problems related to infrastructure, we recommend focusing on areas in monitoring and modeling.

In 2013, the Salvation Army building collapsed, largely due to the old age of the building.²⁵ Philadelphia is a city of great history, having withstood hundreds of years of wear. It is all the more important that we find solutions to provide sturdier modeling to prevent building collapses like this.

Monitoring is also another sector we recommend focusing on. This involves monitoring within homes, buildings, streets, and transportation systems. Effective monitoring systems can help in many ways, such as fire or trespassing alerts. Because infrastructure is difficult to modify, we recommend approaching it by building innovations and technologies on top of existing infrastructure.

FIRE SAFETY

The Philadelphia Fire Department (PFD) is the largest fire dept. in Pennsylvania, having 63 stations across the city, with one of the busiest emergency medical services (EMS) divisions in the nation.²⁶

In 2016, almost **64%** of the reported calls to Pennsylvania fire depts. required EMS and rescue services. **52%** of these calls were to residential properties.²⁶

In response, the federal government provided Philly with \$20 million in funding to hire 120 new firefighters, incident command training, and shipboard firefighting training. Each year the Philadelphia Fire Department organizes a Fire Prevention Week to increase fire safety awareness.



6K+
Arsons since
2006²



HOW WILL YOU #FULPHIL





AUTHORED BY

PRODUCTION & DESIGN

TIFFANY YAU

RESEARCH HEAD

JUSTIN MIGNATTI

SUPPORTING RESEARCH

ROBERT HARRISON, KARA ZHANG, ABRAHAM GOMEZ

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