



ShotSpotter®

Addressing Gun Violence and Fostering Community Engagement for a Safer City / County Santa Fe, NM



February 5, 2024

THE NATIONAL COST OF GUN VIOLENCE: THE PRICE TAG FOR TAXPAYERS



The unit cost of a single gun-related homicide is **+\$1.2 million**

January 2023

Table 1. Unit and Average Costs per Homicide and Non-Fatal Injury Shooting

	Homicide		Non-Fatal Injury Shooting	
	Unit Cost	Average Cost	Unit Cost	Average Cost
Crime Scene Response	\$10,056	\$10,056	\$6,472	\$6,472
Hospitalization and Rehabilitation	\$120,093	\$9,607	\$124,071	\$124,071
Criminal Justice System	\$49,215	\$33,039	\$8,647	\$6,329
Incarceration	\$978,483	\$481,270	\$522,249	\$184,088
Victim Support	\$26,993	\$15,345	\$25,111	\$6,067
Lost Revenue ¹⁰	\$75,543	\$75,543	\$10,518	\$10,518
Total	\$1,260,383	\$624,860	\$697,068	\$337,415

**THE NATIONAL
COST OF GUN
VIOLENCE:
THE PRICE TAG
FOR TAXPAYERS**

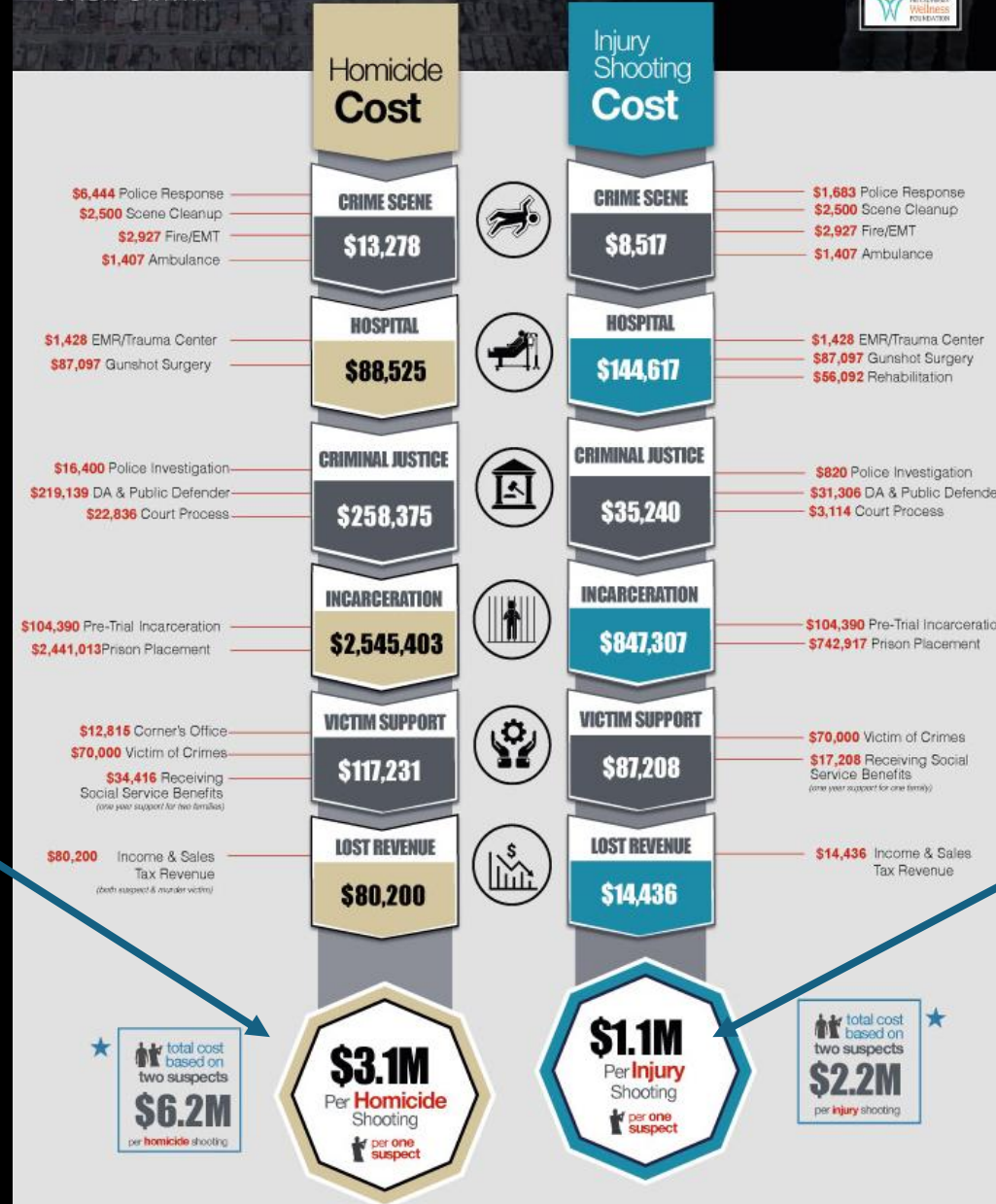
NICJR
National Institute for
Criminal Justice Reform

**WEST ATHENS-WESTMONT
CALIFORNIA**

The Cost Per Shooting
The true governmental cost of gun violence to the County and State.

NICJR
National Institute for
Criminal Justice Reform

Los Angeles
County -
West Athens
\$3.1M Per
Homicide
Shooting /
One Suspect



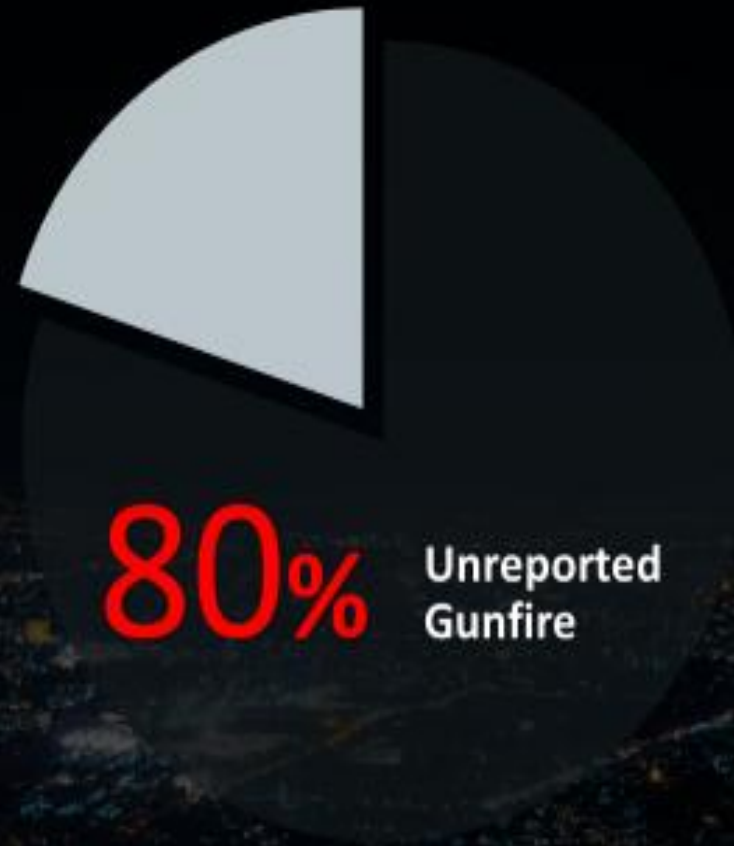
Per Injury
Shooting /
Non-Fatal
One Suspect
\$1.1M

★ total cost based on two suspects
\$6.2M
per homicide shooting

★ total cost based on two suspects
\$2.2M
per injury shooting

Source: costofviolence.org

Gun Violence Challenge for Law Enforcement: Unreported Gunfire



Brookings Institute
Study

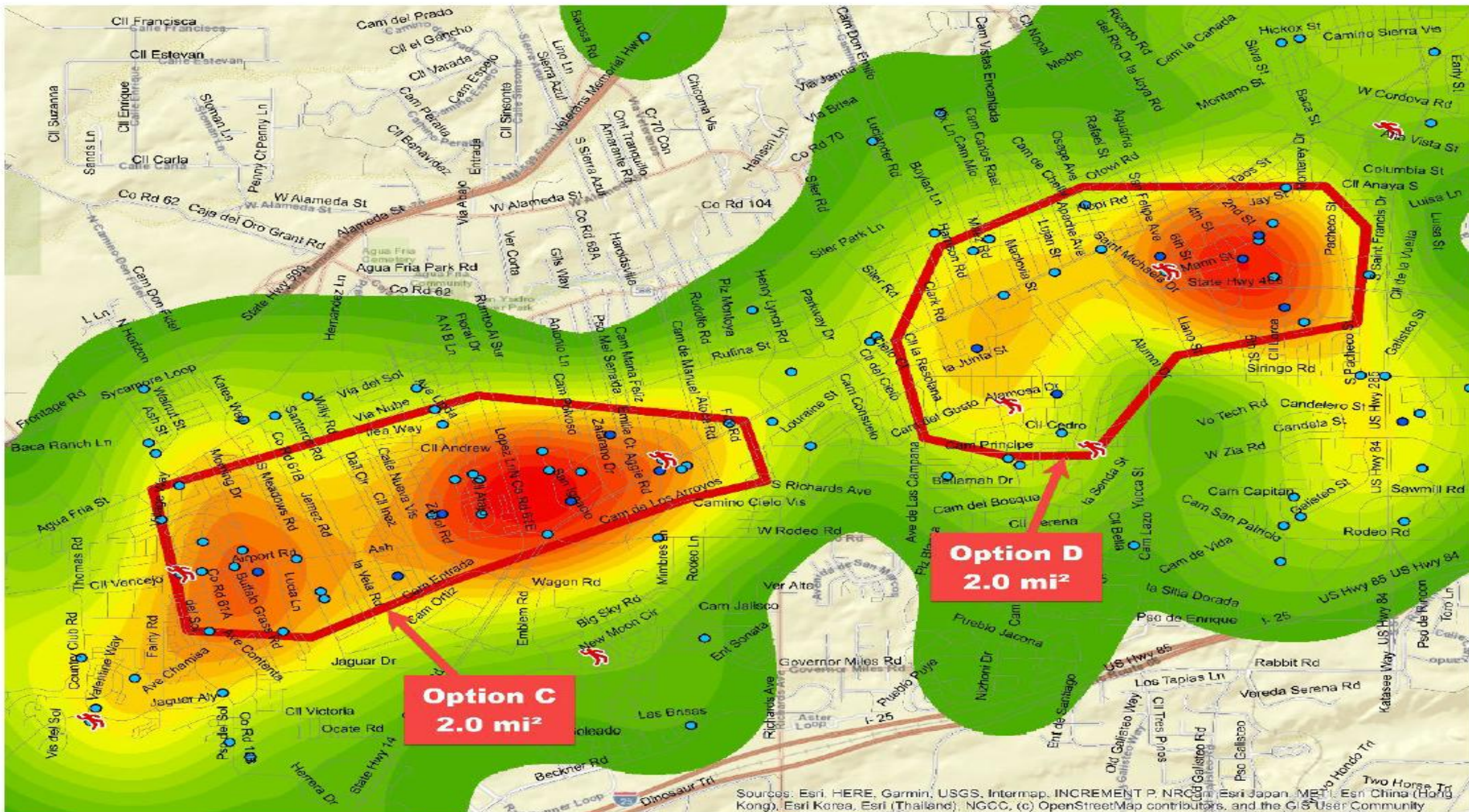
Why don't people call 911?

Recognition
Retaliation
Redundancy
Resignation






911's deadly flaw: Lack of location data




Source: <https://www.usatoday.com/story/news/2015/02/22/cellphone-911-lack-location-data/23570499/>



Using the data provided by the SFPD for January 1, 2020 through June 19, 2023, the map above depicts the preliminary coverage boundaries. The heat map in Figure 13: Option C: Proposed ShotSpotter Coverage Area depicts the following within the 2.0 square mile coverage area (outlined in red):

Icon	Crime Type Definition	Quantity	Percentage of Totals
	Homicide	2	22.2%
	Aggravated Assault	6	33.3%
	Weapon Law Violation	36	29.0%
Heat Map	All Weapon-Related Events	54	24.5%

Using the data provided by the SFPD for January 1, 2020 through June 19, 2023, the map above depicts the preliminary coverage boundaries. The heat map in Figure 14: Option D: Proposed ShotSpotter Coverage Area depicts the following within the 2.0 square mile coverage area (outlined in red):

Icon	Crime Type Definition	Quantity	Percentage of Totals
	Homicide	4	44.4%
	Aggravated Assault	6	33.3%
	Weapon Law Violation	18	14.5%
Heat Map	All Weapon-Related Events	43	19.5%



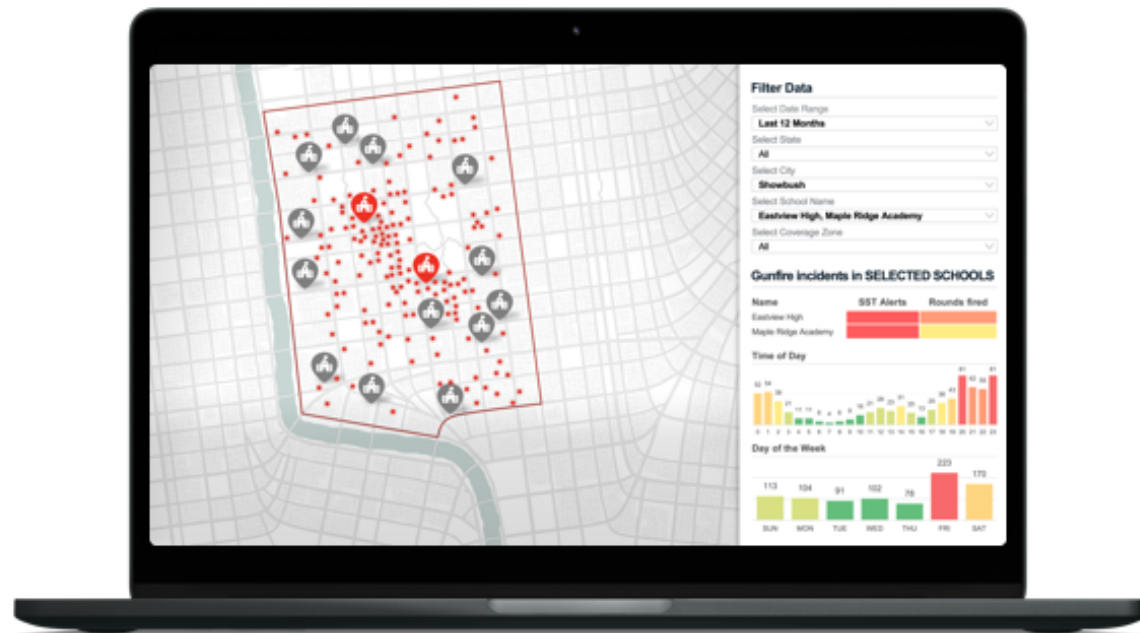
Offices of Violence
Prevention and
Neighborhood Safety



School-Based
Handle with
Care Program



Hospital-Based
Violence Intervention
Programs



 **ShotSpotter**[®]
Data for Good

Partnerships to develop
**support initiatives for those
who are most in need**



City and County
Victim Services
Programs



Departments of
Public Health



Federally Qualified
Health Center Outreach
Programs



DATA FOR GOOD

Data For Good Program Assists Community Violence Intervention and Public Health Groups

Access to gunfire data helps direct critical services to at-risk communities

Increase in physical or other forms of pain syndromes

Increase in psychiatric disorders

Increase in substance use disorders

Precision data about where and when gun violence occurs can provide prompt interventions to people in need of services and support.

With timely and accurate gunfire location data, community violence intervention groups and mental health professionals can more quickly aid youth and families in crisis to more effectively prevent future violence and other negative outcomes.



Leverage Data to
Conduct Welfare
Checks and
Follow Ups



Customer / Community Outreach Results



Wayne E. Rawlins

is a community activist in Miami-Dade County who provides social services to communities impacted by gun violence.



*Beyond assisting us with immediate on-scene response, **ShotSpotter's** data also allow us to know where our Walking One Stop program is needed.*

“This support helps address sources of trauma and minimizes the likelihood that people later turn to violence.”

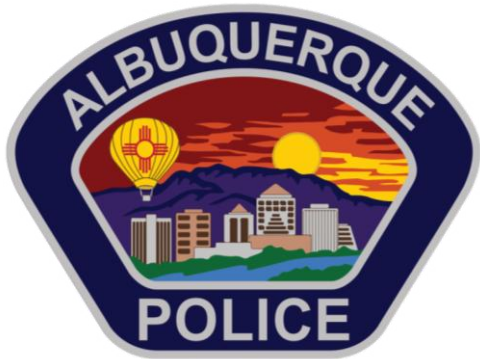
“ShotSpotter’s detractors say the company’s technology leads to over policing in neighborhoods of color, **but we’re seeing it send police to places where communities are underserved.** In the neighborhoods in which we work, hardly anyone calls in to report a gunshot. Without ShotSpotter alerting the Miami Dade Police Department of gunfire, we may not know about these instances of violence and would be unable to deploy to the scene to intervene and break the cycle of gun violence in our communities.”



**CITY of
ALBUQUERQUE**

APD creates proactive S.H.O.T program to target gun violence

First-of-its-kind program led to 47% decrease in gunshots in one neighborhood



“APD is being innovative with ShotSpotter data and utilizing this technology in a way that no other department has attempted,” said Mayor Tim Keller. “We are leveraging investments in technology and working with the community to help keep families safe.”

Since the pilot program began in the Southeast, residents in both the Northeast and Northwest Area Commands have reached out to the department to provide helpful information on hotspot areas in their neighborhoods. **These are neighborhoods where ShotSpotter devices are not in place, but the open communication helps expand the effort.**

“I advocated for funding for ShotSpotter in the district and throughout the City because this technology is a critical tool for our officers,” said City Councilor Klarissa Peña who represents District 3. “The technology is like a fingerprint for shots fired, it gives officers the data to track those gunshots and react to reduce gun violence in our community.”

PRESS RELEASE

City of Pueblo Police Department

ShotSpotter Update

April 18, 2024 [FOR IMMEDIATE RELEASE]



ShotSpotter

February 14, 2024 – Go Live, 3 sq. mi.

April 18, 2024 - Press Release

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- 321 (Shotspotter) alerts of shots being fired
 - Only 86 calls from citizens that coincided with ShotSpotter alerts
 - 1333 shots detected with officers locating and recovering 687 shell casings
 - 9 incidents where officers arrived quickly and were able to render life-saving first aid measures (CPR, applying tourniquets)

“Lancaster touts ShotSpotter’s success”



LANCASTER — The Lancaster Police Department’s nascent ShotSpotter program, designed to identify, locate, and track active gunfire, has **provided 36 confirmed alerts related to gunshots, leading to numerous arrests and the capture of valuable evidence**, city officials said.

“I am proud to say that the deployment of ShotSpotter has been **nothing short of exceptional**,” Mayor R. Rex Parris said. “**This innovative technology has proven invaluable in our efforts to combat crime and ensure public safety.**”

Chief Maryon Boyce Shares a Thank You Card from a Resident



Maryon Boyce
West Columbia, SC

West Columbia Police Chief Marion Boyce shares a touching story about a resident who, after ShotSpotter was implemented, felt safe enough to enjoy her life again. Once saying, 'I'm tired of not being able to go out and live life,' she later sent Chief Boyce a thank you card, expressing her gratitude for being able to sit outside without fear.

