

## Grant Award Summary

### 2023 Gunshot Location Technology Program Grant

**Grant Type:** New Grant

**Grantor:** Wisconsin Department of Justice

**Grant Period:** August 1, 2022 - June 30, 2023

**Award Amount:** \$175,000 (100% from Grantor)

**Match Required:** None

**Allocation Purpose:** The grant will partially fund deployment of a gunshot detection and location system to detect gunfire and locate gunfire incidents.

**Program Goal:** The goal is to continue use of gunshot detection and location technology to provide real-time data to enable rapid, accurate, and cost-effective deployment of MPD officers for investigation of shots fired and evidence recovery that can lead to improved prosecutorial outcomes and address crime prevention and public safety. The City of Milwaukee currently uses the ShotSpotter system.

**Program Summary:**

The City's current gunshot detection and location system, ShotSpotter, guarantees detection of 80% of gunfire within the existing 12 mile coverage area within 25 meters of the incident. The current system publishes the event in 60 seconds or less 90% of the time. Gunshot detection and location technology offers better tracking of shots fired incidents, allows for better predictive analysis, and provides cost-effective deployment of police resources based on data. The current system classifies an incident as gunshot, multiple gunshots, or possible gunshots. Additionally, data casing and collection resulting from gunshot notification supports National Integrated Ballistic Information Network (NIBIN) investigations to link cases, solve crimes, and prevent future offenses.

**Data:** The table displays annual gunshot activations for 2019-2021 and 2022 year to date. The density map displays the concentrations of gunshot activations within the city's coverage area.

Gunshot Activations	2019	2020	2021	2022 YTD	2020-2021 % Change
Single Gunshot	2,755	4,270	5,802	3,109	36%
Multiple Gunshots	3,955	7,849	9,577	5,952	22%
Probable Gunfire	670	1,201	1,624	471	35%
<b>Total Activations</b>	<b>7,380</b>	<b>13,320</b>	<b>17,003</b>	<b>9,532</b>	<b>28%</b>

# 2022 Gunshot Activation Density

The density layer on the map represents the North and South gunshot coverage areas in the City of Milwaukee. Dark blue shaded areas represent the highest concentrations of gunshot activations for the time period of January 1 - August 16, 2022.

