

Grant Award Summary

COUNCIL FILE NO: TBD

ShotSpotter City of Milwaukee 2022

Grant Type: Grant Continuation

Grantor: State of Wisconsin Department of Justice

Grant Period: September 1, 2021 - June 30, 2022

Award Amount: \$175,000

Match Required: N/A

Fiscal Agent: Milwaukee Police Department (MPD)

MPD Sub-Awardee: N/A

Allocation Purpose: It is the mission of the department to decrease injuries and/or fatalities by rapidly responding to the area of detected shots to investigate ShotSpotter (SST) alerts following established standards of officer safety, investigative protocol, and evidence recovery standards.

Program Goals:

The purpose and goal of this continuing program is to have the ShotSpotter system provide real-time data relative to actual shots being fired to assigned monitoring department personnel. The department is then able to rapidly respond to the area of the detected shots in order to take further needed police action and investigative efforts.

Research & Evaluation: Quarterly financial reports and a final programmatic report.

Programmatic Summary:

The SST system guarantees detection of 80% of gunfire within the coverage area within 25 meters of the incident. SST publishes the event in 60 seconds or less 90% of the time. The SST system provides the police department the ability to better track overall shots fired incidents, conduct better predicative analysis, and allow for the most cost effective and expeditious method relative to the deployment and redeployment of police resources based upon the data. SST personnel review the sound files for verification and classify the incident as a gunshot, multiple gunshots, or possible gunshots. Furthermore, SST data and casing collection supports the National Integrated Ballistic Information Network (NIBIN) investigations and leads to link cases, solve crimes, and prevent future offenses.

In 2017, MPD was identified as a recipient of the SST grant under the Wisconsin Act 59 to continue the SST program for crime prevention. The awarded amount will support MPD's deployment of the SST program in the City of Milwaukee and will be further utilized for maintenance of software technology.

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Data:

Table I displays January 1 - December 31, 2018 - 2020 and provides year to date (January 1 - November 3, 2021) ShotSpotter activations. Attached is a ShotSpotter hotspot map that displays the areas in the City of Milwaukee with the highest concentration of ShotSpotter activations. This map can be useful for prioritizing resources.

Table I

ShotSpotter Activations	2018	2019	2020	2021 YTD	2019-2020 % Change
Single Gunshots	2,222	2,960	5,166	5,628	75%
Multiple Gunshots	4,240	4,219	10,107	10,788	140%
Probable Gunfire	509	715	1,575	1,856	120%
Total SST Activations	6,971	7,894	16,848	18,272	113%

