CITY OF OAKLAND

AGENDA REPORT

FILED
OFFICE OF THE CITY CLERK
OAKLAND

2011 SEP 16 PM 12:55

To: Office of the City Administrator
Attn: Deanna Santana
From: Police Department
Date: September 27, 2011

Re: **Receive A Report Providing An Overview Of The Shotspotter Gunshot Location System, Providing An Explanation On The Delay In Implementation Of The Shotspotter Gunshot Location System; And Adopt A Resolution Authorizing The City Administrator To Enter Into A Contract With Shotspotter, Inc. In An Amount Not To Exceed Eighty-Four Thousand One Hundred And Fifty-One Dollars ($84,151) To Implement, Activate And Monitor The Gunshot Location System**

SUMMARY

This informational report outlines the current status of the implementation of the Shotspotter Gunshot Location System in the City of Oakland. Staff will submit a supplemental report that outlines a funding strategy to proceed with the zone A and B cost of $84,000.

In July of this year, staff was asked to prepare a report and resolution authorizing the City Administrator to enter into an agreement with Shotspotter Inc., for implementation of a gunshot location system in the City of Oakland. At the time of that request, funding for the project had not been identified, which resulted in the withdrawal of the item until further notice.

Since that time, a series of meetings among staff have been conducted in an effort to identify funds for the project. As recently as last week, staff from the Offices of Chief of Police, City Administrator, and Community and Economic Development Agency met to closely review possible funding sources available to implement this program. Staff explored various options to expand and integrate this technology to include the surveillance camera option; however, ultimately decided to proceed with the proposed cost option at this time.

Staff will submit a supplemental report prior to the September 27th Public Safety Committee meeting detailing funding options for this project, along with a Resolution requesting authorization to enter into a contract with Shotspotter Inc. in an amount to be determined for implementation of a gunshot location system in the City of Oakland.

FISCAL IMPACT

At the time the quote was prepared, the implementation of the Shotspotter Gunshot Location System included start up, maintenance and support for the first year at a cost of $84,151;

annually thereafter, $54,151 would be required to maintain the system. Additionally, in order to maximize the potential of this technology, we are looking to add in the video surveillance option at a cost of $20,000 to coordinate Shotspotter sensors with surveillance capability, which will include the purchase of video camera equipment at a cost of approximately $50,000, which is only an estimate as staff is in the process of researching this information. The approximate cost to implement this project is estimated at $208,302. At this time we are not proceeding with this concept, but will continue to explore a funding plan.

It should be noted that this program can not be sustained without budgeted funding to cover annual maintenance fees.

As previously mentioned, a detailed cost analysis including identified funding options will be submitted in a supplemental report to the Public Safety Committee.

BACKGROUND

Many cities in the United States (including Oakland) have seen an alarming rise in the number of gunshots being reported, and these increases mirror the increase in gun violence resulting in injuries or even death. Gunfire remains the leading cause of homicide death in the United States and currently of the 77 homicides recorded this year in Oakland, 74 were killed by a firearm. The Oakland Police Department currently responds to reports of gunshots fired only when reported by citizens who have called 911; it is believed that many incidences of gunshots go unreported. Residents often report hearing gunshots but are unable to identify the specific location from which the shots were fired. Additionally, there is often a significant time lapse between the shot(s) fired, the time it takes residents to call 911, and the amount of time it takes for officers to be dispatched to the scene.

KEY ISSUES AND IMPACTS

Integrating the Shotspotter system with current technology systems (i.e., License Plate Readers, and current surveillance camera projects) will allow us to build a fusion center for technology which will increase efficiency, productivity, and quality of life in the City of Oakland. Additionally, this system will assist the Department by lending forensic expertise to reduce vicarious liability in any officer involved shootings or gunfire related incidents.

The law enforcement agencies currently using ShotSpotter made the following comments:

- "We get there sooner, which means we're more likely to catch the person responsible. For an injured person, it can be the difference between living and dying" Chief of Police Metropolitan Police Department, Washington D.C.

- "Evidence from the ShotSpotter system and the city's public safety video cameras has been used in hundreds of cases since it was first installed four years ago, often corroborating other bits of evidence or assisting investigators with solid proof of people's whereabouts" Deputy Chief of Police Minneapohs Police Department, Minneapolis, MN.
- "We had a very hostile community dividing officer involved shooting, where it was alleged that the suspect who was fatally shot by officers did not have a gun when he was killed, ShotSpotter was able to immediately dispel this myth and provide forensic evidence that not only was the suspect armed, but in fact the suspect fired first." Commander of Police San Francisco Police Department, San Francisco CA.
- "ShotSpotter technology and their expert testimony have been used in many jury trials resulting in convictions, as of late was the very violent shooting of a Newark Police Officer in Oakland where the defendant alleged that the officers never identified themselves as law enforcement officers. This technology compellingly proved to the jury that this was not the case and undoubtedly assisted them in coming to their verdict of guilty" District Attorney Alameda County.

The following information details impacts of implementing Shotspotter technology:

- The system will be staffed by Shotspotter personnel 24 hours a day, 7 days a week to pinpoint, analyze and coordinate response with OPD communications and personnel in the field within 45 seconds of system activation. This alert will contain a ShotSpotter report, Google map depicting shot locations and direction of the shooter, and an audio file for immediate playback. There is no requirement for OPD monitoring;
- Forensic insight, actionable intelligence, and situational awareness will be realized;
- The system will serve as a deterrent to random gunfire and celebratory gunfire;
- ShotSpotter will assist in the identification of hotspots for police deployment and heighten community awareness;
- ShotSpotter alerts will be sent simultaneously to OPD communications and to the computers in all police vehicles in the field via an internet based program; and
- ShotSpotter will provide forensic analysis and expert witness testimony in prosecution cases and has done so in over 40 cases.

PROGRAM DESCRIPTION

ShotSpotter Inc. has performed over 79 installations in 58 cities (4 countries) and is currently monitoring over 180 square miles 24 hours a day, 7 days a week, protecting over 1.5 million citizens. This technology detects gunshots through acoustic sensors. Using a patented method of computer analysis, it provides law enforcement and public safety agency users with information and intelligence on gunfire incidents, including shot location and incident mapping, number of shots detected, and audio playback.

In 2006, the City of Oakland entered into contract with ShotSpotter Inc., and implemented a system that covered 49% of the City with 108 sensors. Over time, maintenance fees were not paid and the system became in serious disrepair and lost functionality. In July of this year discussions were initiated with respect to repairing the system, implementing a more efficient model, upgrading current equipment, and implementing best practices training on operational advice, functionality, and corresponding effectiveness. This "New Service Model" serves as the foundation to restoring the system to operate at full readiness within our budgetary considerations.

Specifically, the "New Service Model" includes the following:

- Elimination of past due maintenance of over $108,302;
- Repairing or replacing existing sensors and servers where required to reinstate the original coverage of 49% of the City's problem areas as originally installed;
- Providing for optional expansion areas to cover a total of 92% of the problem areas in the City as defined by empirical data;
- Providing complete training for patrol officers, dispatch and administrative personnel;
- Including "reviewed alerts" to enhance the effectiveness of alerts and improve responding officer safety;
- Including additional capability to deploy gunshot detection directly to patrol vehicles greatly improving officer response time and the force multiplier impact of the service; and
- Providing for continued collection of forensic data and expert witness testimony for future prosecutions.

CONCLUSION

In addition to seeking new technology to assist in the Department's crime prevention and reduction efforts, crime analysis plays a significant role in how to best deploy all Department resources.

Crime Analysts Update

As part of the 2011-2013 Budget Cycle, Council approved the hiring of four Crime Analysts for the Oakland Pohce Department. Since that time, staff has been working diligently to establish the position and has made significant progress to date. The classification of Crime Analyst was not an established position within the City; therefore, staff had to take the necessary steps to create a job specification (which was done expeditiously.) Staff has submitted to the City Administrator its request (requisition) to fill the positions, which requires sign off by the Budget Office as well as Department of Human Resource Management. Upon sign off of the request to fill the

positions, the staff can begin advertising the open positions and recruitment process, which will have begun by the date of this report.

In addition to implementing the hiring process for the Department's Crime Analysts, we have been in continued negotiations with Urban Strategies Council as a precautionary measure to provide crime analysis services for the Department until we are able to hire full-time Crime analysts. Mr. Junious Williams has already submitted a contract bid to the City to provide crime analysis services for the Oakland Police Department.

DISABILITY AND SENIOR CITIZEN ACCESS

There are no ADA or senior citizen access issues contained in this report.

SUSTAINABLE OPPORTUNITIES

Economic: Responding to crime scences in a timelier manner and having an increased capacity to analyze crime, results in a more efficient use of resources, focused efforts on crime trends and patterns, and enhanced police services to respond to emerging crime trends; all improve public safety, thereby providing a safer environment for residents and local commerce to flourish.

Environmental: There are no environmental issues associated with this report.

Social Equity: Implementation of the ShotSpotter Inc. Gun Location System will result in having a technology to be a force multiplier and increase the likeliness of an officer apprehending a subject involved in a violent crime. With concerted efforts such as this, it will undoubtedly restore peace, belief, and an environment in the community that is conducive for families to thrive and be free of crime and the fear of crime. The data collected by ShotSpotter will be accessible to the community to inform them of what is taking place in our City.

Respectfully submitted,

Anthony W. Batts
Chief of Police

APPROVED AND FORWARDED TO
THE PUBLIC SAFETY COMMITTEE:

Office of the City Administrator

Item: 8
Public Safety Committee:
September 27, 2011

Approved as to Form and Legality

FILED
OFFICE OF THE CITY CLERK
OAKLAND
2011 SEP 16 PM 12:55

OAKLAND CITY COUNCIL

DRAFT

City Attorney

RESOLUTION NO. _____ C.M.S.

Introduced by Councilmember _____

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR TO ENTER INTO A CONTRACT WITH WITH SHOTSPOTTER, INC. IN AN AMOUNT NOT TO EXCEED EIGHTY-FOUR THOUSAND ONE HUNDRED AND FIFTY-ONE DOLLARS ($84,151) TO IMPLEMENT, ACTIVATE AND MONITOR THE GUNSHOT LOCATION SYSTEM

WHEREAS, many cities in the United States (including Oakland) have seen an alarming rise in the number of gunshots being reported, and these increases mirror the increase in gun violence resulting in injuries or even death; and

WHEREAS, gunfire remains the leading cause of homicide death in the United States and currently of the 77 homicides recorded this year in Oakland, 74 were killed by a firearm; and

WHEREAS, in 2006, the City of Oakland entered into contract with ShotSpotter Inc., and implemented a system that covered 49% of the city with 108 sensors; and

WHEREAS, in July of this year discussions where started in regards to repairing the system, implementing a more efficient model, upgrades to current equipment, and best practices training on operational advice, functionality, and corresponding effectiveness; and

WHEREAS, ShotSpotter Inc. has performed over 79 installations in 58 cities (4 countries) and is currently monitoring over 180 square miles 24 hours a day, 7 days a week, protecting over 1.5 million citizens;

WHEREAS, ShotSpotter Inc., is the only vendor proven to have time tested technology that is independently tested and proven by the US Department of Justice (DOJ) on two separate occasions (1998 and 2006) in a real-world environment; and

WHEREAS, Oakland Municipal Code section 2.04.051.B permits the Council to waive advertising and the request for proposal/qualifications ("RFP/Q") requirements upon a finding that it is in the best interest of the City to do so, and staff finds that Shotspotter is the only vendor proven to have time tested technology that is independently tested and proven by the US Department of Justice (DOJ) on two separate occasions (1998 and 2006) in a real-world environment; now, therefore be it

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RESOLVED: That the City Council does hereby authorize the City Administrator or her designee to enter into a contract with Shotspotter Inc., in an amount not to exceed $84,151 for implementation of a Gunshot Location City in the City of Oakland; and be it

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FURTHER RESOLVED: That funds for this project shall be drawn from Account (xxxxx), Organization (xxxxxx), Program (xxxx), Project to be determined; and be it

FURTHER RESOLVED: That it is in the best interest of the City to waive the advertising and RFP/Q process based on staff's recommendation to do so; and be it

FURTHER RESOLVED: That the City Administrator or her designee is authorized to complete all required negotiations, certifications, assurances, and documentation required to accept, modify, extend and/or amend this agreement for services, except for any increase in the contract amount without returning to the City Council; and be it

FURTHER RESOLVED: That the City Attorney shall review and approve said contract with Shotspotter, Inc. as to form and legality, and a copy of the fully executed agreement shall be placed on file with the Office of the City Clerk.

FURTHER RESOLVED: That the City Administrator or her designee is authorized to complete all required negotiations, certifications, assurances and documentation required to accept, modify, extend and/or amend the grant award.

IN COUNCIL, OAKLAND, CALIFORNIA, _____, 20_____

PASSED BY THE FOLLOWING VOTE:

AYES - BROOKS, BRUNNER, DE LA FUENTE , KAPLAN, KERNIGHAN, NADEL, SCHAAF, and PRESIDENT REID

NOES -

ABSENT -

ABSTENTION -

ATTEST:_____

LaTonda Simmons
City Clerk and Clerk of the Council

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