



**Figure 1: Proposed ShotSpotter Coverage Expansion Overview = 15.0 mi² (BLUE boundaries)
BLACK boundaries = Pittsburgh Police Zones, RED boundary = Current Zone5 Coverage**

Analysis

The heatmap (above) represents a city-wide density of 9,154 "Shots Fired/Heard" calls between January 1, 2015 and December 15, 2017. City-wide, there were 664 Gun-related Aggravated Assaults and 156 Gun-related Homicides during the same period.

Current ShotSpotter coverage in Zone 5 (red area above) represents 2,502 "Shots Fired" calls (27.3% of 9,154), 134 Gun-Related Aggravated Assaults (20.2% of 664), and 37 Gun-Related Homicides (23.7% of 156).

Proposed coverage expansion (15.0 square miles) represents 4,865 "Shots Fired" calls (53.1% of 9,154), 447 Gun-Related Aggravated Assaults (67.3% of 664), and 99 Gun-Related Homicides (63.5% of 156).

Total coverage after expansion (18.0 square miles) represents 7,367 "Shots Fired" calls (80.5% of 9,154), 581 Gun-Related Aggravated Assaults (87.5% of 664), and 136 Gun-Related Homicides (87.2% of 156).