



**To: Bay Area UASI Approval Authority**

**From: Amy Ramirez, Regional Project Manager – Risk Management**

**Date: November 10, 2022**

**Re: Item 04: 2022 THIRA/SPR and FY23 Hub Funding Formula Approval**

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**Staff Recommendation:**

- A. Approve 2022 THIRA/SPR for submission to FEMA
- B. Approve FY23 UASI Hub Funding Formula for three years.

**Action or Discussion Items:**

Action

**A. THIRA & SPR (Action)**

**Background:**

FEMA requires that all Homeland Security Grant recipients submit the Threat and Hazard Identification and Risk Assessment (THIRA) and Stakeholder Preparedness Review (SPR) each year. The THIRA helps communities understand risks and identify the capabilities needed to address those risks. The SPR provides a framework to assess a community's capacity to address the threats and hazards identified in the THIRA.

The THIRA and SPR do not affect the amount of funding the Bay Area UASI receives from the Department of Homeland Security however, the significance of the process has increased due to new grant requirements to identify critical gaps.

**Discussion:**

Today, the completed 2022 THIRA and SPR documents are being presented to the Approval Authority for approval for submission to FEMA. Highlights of the 2022 THIRA and SPR include:

- Refresh of Complex Coordinated Attack and Cyber-Attack scenarios
- Addition of a School Shooting scenario
- Development and assessment of custom Capability Targets to address National Priority Areas

The 2022 THIRA and SPR documents are For Official Use Only (FOUO) and have been prepared following FEMA's formatting specifications. It is available to Approval Authority members in hard copy at today's Approval Authority meeting and electronically by request.

## B. FY23 Funding Formula (Action)

### Background:

The Bay Area UASI uses Department of Homeland Security's Metropolitan Statistical Area (MSA) risk formula to guide the portioning of grant dollars among the Bay Area four hubs using risk criteria. We have used the following hub funding formula for the past eleven years:

$$\text{Population risk (49\%)} * \text{Asset risk (29\%)} * \text{Economic risk (22\%)}$$

Haystax Technology calculates population risk using census, density, and commuter data. Asset risk is determined by threat, vulnerability, and consequence data from the Bay Area UASI asset catalog in Cal COP. Economic risk is calculated by using Gross Domestic Product (GDP) by Metropolitan Statistical Area (MSA) and industry data from the U.S. Bureau of Economic Analysis (BEA). The combination of the three weighted risk elements (population, asset, and economic) determines each hub's overall percentage of risk in the region

### Discussion:

The FY23 hub allocation risk percentages changed minimally from last year. The table below provides the FY23 hub risk allocation percentage results as compared to FY22.

**Table 1**

<b>Hub</b>	<b>FY 2022 Allocation Percentage</b>	<b>FY 2023 Allocation Percentage</b>
East	23.01%	<b>22.84%</b>
North	6.34%	<b>6.11%</b>
South	25.50%	<b>24.91%</b>
West	45.16%	<b>46.14%</b>
<b>TOTAL</b>	<b>100%</b>	<b>100%</b>

The UASI Management Team seeks approval of the Hub Funding Formula presented in Table 1 for the next three years. The new Hub Funding Formula refresh schedule syncs with the availability of U.S. Census data (updated every five years) and BEA data (updated every three years). In addition to a 3-5 year cycle when risk methodology data is updated, efficiency and cost savings from not paying a vendor to annually update the formula is another reason to move to a three year cycle. The Management Team will be happy to meet and review the hub funding formula process and updates.