



To: Bay Area UASI Approval Authority
From: Amy Ramirez, Regional Project Manager
Date: November 8, 2018
Re: Item 6: FY 2019 UASI Hub Funding Formula

Staff Recommendations:

Approve the proposed FY 2019 UASI hub funding formula.

Action or Discussion Items:

Action

Discussion:

A. Formula

The Bay Area UASI uses DHS' 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 ten years:

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

Haystax Technology calculates population risk using census, density, and commuter data; asset risk using threat, vulnerability, and consequence data from the Bay Area UASI asset catalog in Cal COP; and economic risk by using GDP by MSA and industry data from the U.S. Bureau of Economic Analysis.

B. Calculation

Haystax Technology combines the three weighted risk elements (population, asset, and economic) to determine each hub’s overall percentage of risk in the region. Although the formula remains the same, there is more recent data to input into the formula and therefore a slight change to the risk percentages among the hubs as compared to FY18:

- Population: The Management Team refreshed all of the population data this year as planned.
- Asset: The Management Team shared an annual update to the asset data with the Approval Authority in June of 2018. There was also almost no change in the asset risk distribution percentages, given that our asset database is now mature and analytically robust from the data clean up undertaken in 2015.
- Economic: The Management Team refreshed economic data this year as planned.

The FY 2019 hub allocation risk percentages are substantively unchanged from FY 2018.

The table below provides the FY 2019 hub risk allocation percentage results as compared to FY 2018. As always, upon request, the Management Team will be happy to meet with jurisdictions to review in detail the hub funding formula process and updates.

Hub	FY 2018 Allocation Percentage	FY 2019 Allocation Percentage
East	23.5%	23.6%
North	6.8%	6.6%
South	24.5%	25.1%
West	45.2%	44.7%
TOTAL	100%	100%