



To: Bay Area UASI Approval Authority
From: Janell Myhre, Regional Program Manager
Date: November 12, 2020
Re: Item 05: FY21 Hub Funding Allocation Formula

Staff Recommendations:

Approve the proposed FY 2021 UASI hub funding formula.

Action or Discussion Items:

Action

Discussion:

(a) Formula

The Bay Area UASI hub funding formula uses DHS' Metropolitan Statistical Area (MSA) risk formula as a framework to guide the portioning of grant dollars among the Bay Area four hubs using risk criteria. We have used the following hub funding formula since 2009:

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

Haystax 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 combines the three weighted risk elements (population, asset, and economic) to determine each hub's overall percentage of risk in the region.

The FY 2021 hub allocation risk percentages are virtually unchanged from FY 2020. This is due to the fact that economic data is refreshed every three years and population data is refreshed every five years. A data refresh will be completed again in 2021 and 2023, respectively. The next population risk update will include an incorporation of the new 2020 U.S. Census data. 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 last year.

The FY 2021 hub allocation risk percentages are largely unchanged from FY 2020.

The table below provides the FY 2021 hub risk allocation percentage results as compared to FY 2020. 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 2020 Allocation Percentage	FY 2021 Allocation Percentage
East	23.54%	23.73%
North	6.65%	6.65%
South	25.08%	25.15%
West	44.73%	44.47%
TOTAL	100%	100%