

MOTION

The City of Los Angeles has always placed a priority on resilience and earthquake preparedness. The Information Technology Agency (ITA), the Office of the Mayor, and the U.S. Geological Survey (USGS) are collaborating on a joint effort to create an Earthquake Early Warning System Mobile Application (EEW Mobile Application) for use in Los Angeles.

The EEW Mobile Application will be designed to provide advance notice that an earthquake is about to strike. The system, known as ShakeAlert, is based on a network of in-ground sensors developed by USGS to detect seismic activity. It calculates the likely intensity of ground shaking and delivers warnings to people and infrastructure in harm's way. The amount of advance notice depends on the distance of an individual from the epicenter of the earthquake, but can typically range from a few seconds to over one minute. Based on the region's investment of over \$5 million in the deployment of earthquake sensors, Los Angeles will be the first city in the U.S. to implement a mobile application across the local area. The seconds of advance warning can allow people and systems to take actions to protect life and property from destructive shaking.

In January 2018, the City conducted a procurement, and selected AT&T to develop the EEW Mobile Application for the public. AT&T will work with USGS to develop and design the EEW Mobile Application based on the ShakeAlert system. ITA intends to make the EEW Mobile Application available for both Android and Apple smartphones and in English and Spanish by the end of 2018.

The Office of the Mayor and ITA seek City Council approval to accept the donation of the EEW Mobile Application from AT&T. It will be funded in an amount of up to \$300,000 from a donation by the Annenberg Foundation that will be administered through the GRYD Foundation. The GRYD Foundation will pay AT&T directly for the development of the application. AT&T will be responsible for USGS integration; development, testing, and production; dashboard design, development, and deployment; and annual support and maintenance, including upgrades and hosting via Amazon Web Services. The contract amount is \$238,000, plus \$62,000 in annual charges for a cloud-based hosting service, maintenance, and quarterly testing and analytics. The \$300,000 grant is for the development and first year of service of the EEW Mobile Application.

I THEREFORE MOVE that the Council:

1. Authorize the Mayor, or his designee, to negotiate and execute a contract with AT&T and the GRYD Foundation for the design, creation, and deployment of the Early Earthquake Warning System Mobile Application (EEW Mobile Application), for a term of up to 12 months, in an amount not to exceed \$300,000, subject to the approval of the City Attorney as to form.
2. Authorize Mayor, or his designee, to identify the GRYD Foundation as the payor of the above contract amount.
3. Instruct ITA to report to the Information, Technology and General Services Committee with the benefits of implementing the EEW Mobile Application Citywide and the on-going costs to maintain the EEW Mobile Application after the first year of service.

PRESENTED BY

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 Councilmember, 7<sup>th</sup> District

SECONDED BY:

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