



**CITY OF PACIFICA
COUNCIL AGENDA SUMMARY REPORT**

6/22/2020

SUBJECT:

New Station Alerting System at Fire Station 71 and Station 72

RECOMMENDED ACTION:

Authorize the City Manager to execute the agreement with US Digital Designs for installation of new station alerting systems in Station 71 and Station 72.

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BACKGROUND/DISCUSSION:

The station alerting system is an emergency call system utilizing bells, alarms, and radios to dispatch emergency calls to the fire stations. The current station emergency alerting infrastructure has become antiquated, lacks consistent support and repair options and verges on collapse. The complications with the current system also lack user programmable, expandable and monitoring options. The new proposed system will improve response times, firefighter health, and dispatcher call processing as well as more flexibility on expandability and program control options for the user. The legacy infrastructure has failed at times, is proprietary resulting in limited repair options, lacks adequate redundancy, as well as confusing service agreements. Therefore, replacement of the alerting system at Fire Station 71 and Fire Station 72 is required.

The North County Fire Authority (NCFA) proposes to replace the legacy station alerting system and infrastructure with the US Digital Design Phoenix G2 System. The new Phoenix G2 system will provide a reliable, more capable, and expandable modernized dispatch alerting system. The new system provides NFPA 1221- compliant redundancy with multiple pathway options. There are several key benefits not currently available with the legacy system:

- Dispatch, highly reliable automated capabilities reducing time and workload,
- Firefighter health and wellness. Reduces cardiac stress, anxiety, optical shock and sleep deprivation utilizing ramped tones, programmable lighting options and reliable digital call display equipment
- Network friendly with local control and remote configuration for better customer service,
- Compliance with recommended standards with speed, redundancy and multiple applications (smart phone app, text, page & email) maintaining department wide situational awareness,
- Flexible service and monitoring for user control and maintenance (plug and play).

The legacy system and service agreement has been replaced by the G2 system in other jurisdictions in the Bay Area with positive results and improved customer service.

ALTERNATIVE ACTION:

N/A

RELATION TO CITY COUNCIL GOALS AND WORK PLAN:

Maintaining a safe community.

FISCAL IMPACT:

NCFA anticipates that upgrading the alerting systems for Pacifica's Fire station's 71 and 72 will total \$148,535. NCFA will expend these funds during the FY 2019-20 (Station 72 upgrade - \$78,411) and FY 2020-21 (Station 71 upgrade - \$70,124)) in order to minimize the expenditure impact in any one fiscal year. There are sufficient funds in the Fire Department's Operations Budget in both fiscal years to address the Station Alerting System upgrades for both stations. A summary of proposed upgrade cost to all NCFA's stations is below,

Detail of Pacifica's Upgrade Costs:				
Attachment A	Station 72	Phoenix G2 FSA System		\$ 68,050.19
Attachment B	Station 71	Phoenix G2 FSA System		\$ 59,763.22
<i>Pacifica's Prorata Share of Primary and Secondary Dispatch Upgrades for two stations:</i>				
Attachment C	Total Primary Dispatch Systemwide Costs	No. of Stations	Charge Per Station	
	\$ 51,701.70	8	\$ 6,462.71	\$ 12,925.43
Attachment D	Total Back-Up Dispatch Systemwide Costs	No. of Stations	Charge Per Station	
	\$ 31,183.12	8	\$ 3,897.89	\$ 7,795.78
				\$ 148,534.62

ORIGINATED BY:

Fire

ATTACHMENT LIST:

Attachment A: Phoenix G2 FSA System Att A (PDF)
Attachment B: Phoenix G2 FSA System Att B (PDF)
Attachment C: Phoenix G2 FSA System Att C (PDF)
Attachment D: Phoenix G2 FSA System Att D (PDF)