

**DATE:** April 25<sup>th</sup>, 2022

**TO:** 911 Emergency Response Advisory Committee

**FROM:** Cody Shadle, Manager, City of Reno Public Safety Dispatch [shadlec@reno.gov](mailto:shadlec@reno.gov)  
775-334-2370

**THROUGH:** Jason Soto, Chief of Reno Police Department

**SUBJECT:** PRIMARY PSAP (Public Safety Answering Point), CITY OF RENO PUBLIC SAFETY DISPATCH PUBLIC SAFETY CENTER DISPATCH INFRASTRUCTURE CONSTRUCTION for [For Possible Action] - A review, discussion and possible action to approve, deny or otherwise modify a request to fund the costs associated with the purchase and installation of an independent and isolated HVAC system used to maintain environmental control for technology supporting emergency phone lines, radio equipment and CAD (computer aided dispatch) for Reno Public Safety Dispatch's new location within the Public Safety Center for a cost not to exceed \$315,000.00.

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**SUMMARY**

PRIMARY PSAP (Public Safety Answering Point), CITY OF RENO PUBLIC SAFETY DISPATCH PUBLIC SAFETY CENTER DISPATCH INFRASTRUCTURE CONSTRUCTION for [For Possible Action] - A review, discussion and possible action to approve, deny or otherwise modify a request to fund the costs associated with the purchase and installation of an independent and isolated HVAC system used to maintain environmental control for technology supporting emergency phone lines, radio equipment and CAD (computer aided dispatch) for Reno Public Safety Dispatch's new location within the Public Safety Center for a cost not to exceed \$315,000.00. This system will allow the Reno Public Safety Dispatch's new center to accommodate an expanded dispatch environment to include additional dispatcher positions and operate as a redundant backup location while meeting NENA, NFPA and local building code standards and best practices.

**NRS APPLICABLE:**

*NRS 244A.7645* Provides approval of costs associated with maintenance, upgrade and replacement of equipment necessary for the operation of the enhanced telephone system.

**STAKEHOLDER REVIEW(S)**

Stakeholders are the three primary Public Safety Answering Points (PSAP) – City of Reno Public Safety Dispatch, Sparks Emergency Communications and Washoe County Sheriff's Office Communications.

**PREVIOUS ACTION&BACKGROUND**

Washoe County Regional 911 Emergency Response Advisory Committee 5 Year Master Plan states “The renovation and construction plan for each of the three emergency communications operations will create a mutually beneficial triangle configuration.” The construction plan for Reno Public Safety Dispatch includes the relocation and development of a new Dispatch center. This will eliminate the potential impact of a singular event compromising two PSAPs (Washoe and Reno) simultaneously while creating an additional redundant location to allow for increased capacity during an emergency event. To ensure the continuity of operations the Dispatch center requires stand-alone infrastructure that cannot be reliant on any other systems within the Public Safety Center at large, to include HVAC as required by NENA (National Emergency Number Association) and NFPA (National Fire Protection Association) standards.

On May 21<sup>st</sup>, 2020, the E911 Emergency Response Advisory Committee approved the funding for infrastructure improvements for Sparks Emergency Communications Center as follows:

Universal Power Supply: \$27,000.00

Electrical Infrastructure: \$70,000.00

Data Lines: \$13,000.00

### **FISCAL IMPACT**

The Enhanced 911 Fund is a special revenue fund which receives revenue pursuant to NRS 244A.7643 in the form of telephone surcharges collected to support the emergency reporting system.

### **RECOMMENDATION**

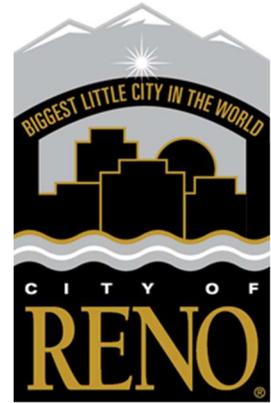
It is recommended that the E911 Emergency Response Advisory Committee approve the request to fund the costs associated with the purchase and installation of an independent and isolated HVAC system for the City of Reno Public Safety Dispatch (PSAP) for a cost not to exceed \$315,000.00.

### **POSSIBLE MOTION**

Move to approve the recommendation that the E911 Emergency Response Advisory Committee approve the request to fund the costs associated with the purchase and installation of an independent and isolated HVAC system for the City of Reno Public Safety Dispatch (PSAP) for a cost not to exceed \$315,00.00.

February 8, 2022

Commander Robert Larson  
 Reno Police Department  
 455 East Second Street  
 Reno, NV 89502



RE: Public Safety Center – Dispatch Infrastructure Funding

Dear Cmdr. Larson,

Below is a breakdown of the construction related costs for Dispatch located at the Public Safety Center and relevant to infrastructure located on the 911 Kuenzli Street parcel only. Please note there may be additional offsite costs not included in this list to establish Dispatch and 911 communication related infrastructure into the site.

Item	Description	Cost	Implementation
1	Xybix 911 Dispatch Workstations	\$ 310,000	Sept.-Dec. 2023
2	Harris Dispatch Symphony Consoles	\$ 2,000,000	June-Dec. 2023
3	IT network equipment, desktop computers, monitors (6 ea.), etc.	\$ 83,000	Jan.-July 2023
4	Audio and video equipment	\$ 25,000	June-Dec. 2023
5	Intrado 911 phone/routing service and equipment for relocation	\$ 350,000	Prior to dispatch move
6	PSC Dispatch related construction costs	\$ 2,000,000	<b>March 2022</b>
7	911 Microwave Radio Transmission system	\$ 100,000	June-Dec. 2023
8	911 service agreements, contracts, reconfiguration	\$ TBD	Prior to dispatch move
9	10% Contingency for unforeseen circumstances	\$ 489,000	N/A
<b>Total</b>		<b>\$ 5,357,000</b>	

The PSC Dispatch construction costs include build out according to National Emergency Number Association (NENA), National Fire Protection Association (NFPA), various other jurisdictional code requirements, and design requests of Reno Dispatch. Below is a list that includes, but is not limited to, construction items required with Dispatch included in this facility:

	<b>PSC Dispatch Construction Items</b>	<b>Cost</b>
6a	General Conditions, Insurance and Bonding	\$ 390,000
6b	Carpentry	\$ 80,000
6c	Doors and windows	\$ 70,000
6d	Finishes	\$ 160,000
6f	Plumbing	\$ 80,000
6g	HVAC	\$ 315,000
6h	Electrical	\$ 905,000

6b,c,d) Two hour fire ratings for walls, conduits, and other infrastructure into and out of Dispatch and related areas including MDF, IDF, and UPS rooms.

6b,c,d) Architectural special features such as EOC room, raised supervisor platform, etc.

6f) Restroom dedicated to Dispatch only, adjacent to dispatch floor.

6g) HVAC air handler and ducting dedicated to Dispatch only.

6h) Electrical generator dedicated to Dispatch only.

6h) Electrical panels, conduit, conductors and circuitry dedicated to Dispatch only.

6h) Electrical uninterruptible power system (UPS) and room dedicated to Dispatch only.

Sincerely,



Justin George, P.E. | Associate Civil Engineer