

DATE: 11/2/2021
TO: 911 Emergency Response Advisory Committee
FROM: Charles Moore, Fire Chief, Truckee Meadows Fire & Rescue cmoore@tmfpd.us
775-334-2026
SUBJECT: REQUEST FOR APPROVAL FOR FUNDING for the Dispatch-Fire Station Alerting System software, hardware, and installation costs for the Truckee Meadows Fire Protection District in an amount not to exceed \$1,030,000.

SUMMARY

The Truckee Meadows Fire Protection District's (TMFPD) Public Safety Answering Point (PSAP) transmits audible notification alerts to responding fire station(s) during emergency fire events to inform fire staff of required resources. The fire station alerting system is at the end-of-life and is out of warranty. The TMFPD requires a new system to ensure there is a reliable enhanced communication system between dispatch and the fire stations during fire emergency calls.

BACKGROUND

TMFPD Fire Stations are equipped with a legacy fire station-alerting system that has been at the end-of-life and out of warranty for many years. The operational abilities are also limited and do not allow dispatch and fire to have expanded communication capabilities between them such as automated triggers, multi-tones, voice messaging and soft-start alerts. On the dispatch side, functionality is often limited. Dispatchers must manually trigger multiple pages to the fire station(s), sometimes causing a delay in the alerts. There are also multiple server and network failure points within the system causing outages and frequent downtimes.

Alerting of emergency calls and the various operational needs for fire resources is critical to dispatch services. This is a primary notification system between dispatch and fire resources. The City of Reno recently conducted an exhaustive review of alternatives and recommended the PURVIS Fire Station Alerting System™ (PURVIS FSAS™) for their use. The E911 committee approved funding for that system, and TMFPD is now requesting funding for the same system and equipment necessary for its eleven (11) fire stations.

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)

Stakeholder is an NRS 474 Fire District providing fire, EMS, & rescue services to unincorporated Washoe County.

PREVIOUS ACTION

The Reno Fire Department requested funding for the same fire station alerting system, software, and equipment on September 23, 2021, which was approved for an amount not to exceed \$1,240,000.

On October 28, 2021, the E911 committee approved a 5-year Master Plan that included planned funding of fire station alerting systems for Reno, Sparks, and Truckee Meadows Fire Protection District during FY 21/22.

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. Budget authority exists within the E911 Fund to support the Dispatch and Fire Station Alerting System. The total cost for the system, including software, hardware, project management, training, installation and warranty would not exceed \$1,030,000 for a five-year contract.

RECOMMENDATION

It is recommended that the E911 Emergency Response Advisory Committee approve the request for funding for the Dispatch-Fire Station Alerting System software, hardware and installation costs for the Truckee Meadows Fire Protection District in an amount not to exceed \$1,030,000.

POSSIBLE MOTION

Motion to approve funding for funding for the Dispatch-Fire Station Alerting System software, hardware and installation costs for the Truckee Meadows Fire Protection District in an amount not to exceed \$1,030,000 and allow the Truckee Meadows Fire Protection District to move forward with the purchase and implementation of said system.



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Date: November 4, 2021
Quote #: PC2022-080r1
Agency: Truckee Meadows Fire & Rescue
Address: 3663 Barron Way
Reno, NV 89511
Agency POC: Jay Cwiak
Phone #: 775.527.6025
E-mail: jcwiak@tmfpa.us

TASK:

The Fire Protection District of Truckee Meadows, NV requests the procurement and implementation of the PURVIS Fire Station Alerting System™ (PURVIS FSAS™) at the Dispatch Center and twelve (12) Fire Stations for Truckee Meadows Fire & Rescue (TMFR).

PROJECT ASSUMPTIONS:

*The Fire Stations System Installation price identified herein is based upon an average per station installation cost of \$25,000. This amount was determined based on a previous installation quote from PowerComm Solutions and provided to the City of Reno for a similar system installation effort. The quote was stated in a 01/07/2021 911 Emergency Response Advisory Committee proposal. PURVIS will work with PowerComm Solutions to identify an updated quote to install the PURVIS FSAS components identified in this quote. If the revised installation quote is greater than 3% of the System Installation price identified herein, PURVIS reserves the right to revise the price and will only charge the District of Truckee Meadows the actual cost based on the updated quote.

TMFR will provide a reliable IP connection from the Truckee Meadows Dispatch Center to each PURVIS FSAS Station Control Unit in each fire station.

TMFR is responsible for supplying all required radio equipment and performing all necessary radio programming, configuration, etc. necessary for the proposed system.

TMFR is responsible for supplying and installing all Message Boards that will be used with the PURVIS-supplied Message Board Receivers and Display Modules. Message Boards must have an HDMI input with a minimum resolution of 1080p.

PURVIS will connect to a dedicated TMFR provided audio radio at each Fire Station.

Integration into any existing legacy devices such as house lights, gas appliance shutoff controls, bay days, etc is not included in this quote and will be considered out of scope.

TRFR is responsible for purchasing from the CAD vendor the CAD interface from the CAD system to the PURVIS FSAS API. The cost of the CAD interface is not included in this quote.

HARDWARE:

Item	PURVIS Part #	Qty	Unit Price	Contract Discount (3%)	Extended Price
Central Server	315-010100-131	2	\$5,975.00	\$5,795.75	\$11,591.50
Dispatch Management (DM) Console	315-020104-131	2	\$1,795.00	\$1,741.15	\$3,482.30
Motorola MCC 7500 Integration Kit (includes 3 PURVIS FSAS Radio Interface Software Licenses and 3 PURVIS FSAS Radio Interface Hardware Kits)	315-320005-131	1	\$7,500.00	\$7,275.00	\$7,275.00
Station Control Unit (SCU) - No Screen	315-030004-131-NN	12	\$17,500.00	\$16,975.00	\$203,700.00
SCU Remote Touch Screen (RTS) - 22"	315-250005-131	12	\$605.00	\$586.85	\$7,042.20
Remote Touch Screen Video Distribution - VGA TX/RX	315-250300-131	12	\$410.00	\$397.70	\$4,772.40
Vesa Mount for VGA Receiver	315-250100-131	12	\$50.00	\$48.50	\$582.00
Wall Mounting Bracket, Tilt, RTS Monitor	315-190302-131-RTS	12	\$25.00	\$24.25	\$291.00
USB Extender, 1-Port	315-250202-131	12	\$105.00	\$101.85	\$1,222.20
Handheld Wall Mount/Clip Mount Microphone	315-032001-131-E	11	\$240.00	\$232.80	\$2,560.80
24 Port Unmanaged Network Switch	315-290005-131-LAN	12	\$225.00	\$218.25	\$2,619.00
Uninterruptible Power Supply (UPS) - 2U - Line Interactive 1500VA	315-040308-131	12	\$935.00	\$906.95	\$10,883.40

Audio/Relay Expansion Module (ARXM) 25/70v, 12 Zone/8 Relay (4 Ext Day/Night Zones)	315-442000-131-12/8	12	\$4,840.00	\$4,694.80	\$56,337.60
Dorm Remote (Color)	315-410000-131- C	49	\$115.00	\$111.55	\$5,465.95
Dorm Remote Gateway (DRG) 8 port	315-400001-131-8	11	\$1,410.00	\$1,367.70	\$15,044.70
Recessed Speaker, 8" (25/70v)	315-130401-131-SO	56	\$65.00	\$63.05	\$3,530.80
Recessed Speaker, 8" with Red/White LED Ring (25/70v)	315-141001-131-RW	100	\$300.00	\$291.00	\$29,100.00
Recessed Speaker Mount	315-130360-131	156	\$20.00	\$19.40	\$3,026.40
Outdoor/Bay Speaker (25/70v) 15w	315-150408-131	40	\$160.00	\$155.20	\$6,208.00
Amplifier 1 Ch (25/70v) 250w	315-070304-131	11	\$1,150.00	\$1,115.50	\$12,270.50
Turnout Timer 24" LED Display, 1 Line	315-210006-131-TT	11	\$425.00	\$412.25	\$4,534.75
Message Board HDMI Video Receiver	315-190400-131	24	\$100.00	\$97.00	\$2,328.00
Message Board Display Module	315-540201-131	23	\$315.00	\$305.55	\$7,027.65
8 Port Unmanaged Message Board Switch	315-290003-131-MB	12	\$95.00	\$92.15	\$1,105.80
Strobe Light (Red), Interior, Wall	315-260008-131-R	35	\$80.00	\$77.60	\$2,716.00
Camera/Doorbell	315-330001-131	11	\$1,530.00	\$1,484.10	\$16,325.10
Power Strip - Rack Mount	315-010500-131	12	\$115.00	\$111.55	\$1,338.60
Mobile FSAS Unit * see below for details		1	\$26,500.00	\$25,705.00	\$25,705.00
TOTAL					\$448,086.65
Sales and Use Tax					\$0.00
TOTAL HARDWARE					\$448,086.65

Hardware Prices do not include installation or any system configuration, if applicable. Any applicable manufacturer warranties will be extended to the customer.

Hardware lead time is at least 12 weeks after receipt of order (ARO)

SOFTWARE:

Item	PURVIS Part #	Qty	Unit Price	Contract Discount (3%)	Extended Price
Central Server FSAS Software License (Perpetual)	315-990000-120	2	\$10,000.00	\$9,700.00	\$19,400.00
Central Server Database Software License (Perpetual)	315-990001-120	2	\$7,535.00	\$7,308.95	\$14,617.90
DM Console Seat License (Perpetual)	315-990100-120	2	\$1,500.00	\$1,455.00	\$2,910.00
PURVIS FSAS API License (Perpetual)	315-990200-120	2	\$5,000.00	\$4,850.00	\$9,700.00
Text-to-Speech (TTS) Voice Module Software License (Perpetual)	315-990400-120	14	\$1,410.00	\$1,367.70	\$19,147.80
Station Control Unit (SCU) FSAS Software License (Perpetual)	315-990300-120	12	\$300.00	\$291.00	\$3,492.00
TOTAL					\$69,267.70
Sales and Use Tax					\$0.00
TOTAL SOFTWARE					\$69,267.70

FIXED PRICE SERVICES:

Description	Unit Price	Contract Discount (3%)	Price
Implementation Services (Project Management, Configuration, Integration, Test, Installation Support, & Training)	\$85,336.00	\$82,775.92	\$82,775.92
Installation Services - Dispatch Centers	\$10,000.00	\$9,700.00	\$9,700.00
Installation Services - Fire Stations*	\$300,000.00	\$291,000.00	\$291,000.00
Freight/Shipping & Handling		\$4,490.00	\$4,490.00
1 Year Remote Warranty with 24/7/365 Support (Begins upon final system acceptance by the Truckee Meadows Fire & Rescue)		Included	\$0.00
TOTAL SERVICES			\$387,965.92

GRAND TOTAL	\$905,320.27
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EXTENDED WARRANTY:

Description	Qty	Unit Price	Contract Discount (3%)	Extended Price
Annual Extended Remote Warranty with 24/7/365 Support (Extended warranty begins 1 year after final system acceptance from the Truckee Meadows Fire & Rescue)	4	\$32,000.00	\$31,040.00	\$124,160.00
TOTAL EXTENDED WARRANTY				\$124,160.00

SALES AND USE TAX: Any required sales and use tax not identified in this quote is responsibility of the quote recipient or Fire Station Alerting System end-user. PURVIS is not responsible for the collection of any required taxes and payments to any tax collection agencies.

PAYMENT TERMS: Net 30

VALIDITY: This FFP Quote is valid for 90 days

WARRANTY: First Year Remote Warranty & Maintenance begins upon final system acceptance by the Truckee Meadows Fire & Rescue.

PURVIS AGREEMENTS: The PURVIS FSAS Standard License Agreement and the PURVIS FSAS Maintenance Agreement must be signed and returned to PURVIS Systems with any initial orders placed for the PURVIS Fire Station Alerting System.

END-USER LICENSE/MAINTENANCE AGREEMENTS: All purchased hardware and software resulting from this quote will be licensed, warrantied and maintained under the existing PURVIS FSAS End-User License Agreement and PURVIS FSAS Warranty, Maintenance and Service Agreement - with the Truckee Meadows Fire & Rescue.

EXPORT CONTROL: Products purchased or received under any resulting Sale may be subject to export control laws, restrictions, regulations, and orders of the United States. Customer agrees to comply with all applicable export laws, restrictions and regulations of the United States or foreign agencies or authorities, and shall not export, or transfer for the purpose of re-export any product to any prohibited or embargoed country or to any denied, blocked or designated person or entity as mentioned in any United States or foreign law or regulation.