

THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
BOARD ACTION SUMMARY

DEPT: Health Services Agency

BOARD AGENDA #: *B-3

AGENDA DATE: March 14, 2017

SUBJECT:

Approval for Mountain Valley Emergency Medical Services Agency to use System Enhancement Funds to add Data Analytics Capability for Fire Dispatch and to Purchase Training Manikins and Simulators for Fire Agencies in Stanislaus County

BOARD ACTION AS FOLLOWS:

No. 2017-113

On motion of Supervisor Monteith, Seconded by Supervisor Withrow
and approved by the following vote,

Ayes: Supervisors: Olsen, Withrow, Monteith, DeMartini, and Chairman Chiesa

Noes: Supervisors: None

Excused or Absent: Supervisors: None

Abstaining: Supervisor: None

1) X Approved as recommended

2) _____ Denied

3) _____ Approved as amended

4) _____ Other:

MOTION:

ATTEST: Elizabeth A. King
ELIZABETH A. KING, Clerk of the Board of Supervisors

File No.

**THE BOARD OF SUPERVISORS OF THE COUNTY OF STANISLAUS
AGENDA ITEM**

DEPT Health Services Agency BOARD AGENDA #: *B-3
Urgent Routine AGENDA DATE: March 14, 2017

CEO
CONCURRENCE:

phx

MSA

4/5 Vote Required: Yes No

SUBJECT:

Approval for Mountain Valley Emergency Medical Services Agency to use System Enhancement Funds to add Data Analytics Capability for Fire Dispatch and to Purchase Training Manikins and Simulators for Fire Agencies in Stanislaus County

STAFF RECOMMENDATIONS:

1. Approve the Mountain Valley Emergency Medical Services Agency to use System Enhancement Funds to add data analytics capability for fire dispatch and to purchase training manikins and simulators for fire agencies in Stanislaus County.

DISCUSSION:

Under the Health and Safety Code, Division 2.5, Chapter 4, Article 1, Section 1797.200, "Each county may develop an emergency medical services program. Each county developing such a program shall designate a local EMS agency which shall be the county health department, an agency established and operated by the county, an entity with which the county contracts for the purposes of local emergency medical services administration, or a joint powers agency created for the administration of emergency medical services by agreement between counties or cities and counties pursuant to the provisions of Chapter 5 (commencing with Section 6500) of Division 7 of Title 1 of the Government Code." Stanislaus County participates in a Joint Powers Agency (JPA), the Mountain Valley Emergency Medical Services Agency (MVEMSA), and has addressed various related policy matters as contained in the Stanislaus County Ordinance 6.70.

The Emergency Medical Services Committee (EMSC) was established by the Stanislaus County Board of Supervisors on August 28, 2001, pursuant to their authority under applicable California law, including, but not limited to, Stanislaus County Ordinance Chapter 6.70, California Health and Safety Code Section 1797 et seq. and California Code of Regulations, Title 22, Division 9. The role of the EMSC is to evaluate and make recommendations as they relate to the planning and provision of emergency medical services (EMS) within the county, including ambulance agreements. The committee also serves in an advisory capacity to the MVEMSA and the Stanislaus County Board of Supervisors on EMS issues.

The current ambulance provider agreements, approved by the Board of Supervisors on April 16, 2013 and implemented on May 1, 2013, included the assessment of automatic penalties for Code 2 and Code 3 911 calls, resulting in a significant increase to the System Enhancement Fund account, an account specific to Stanislaus County and held by MVEMSA. Recognizing the impact of this growth, the Board of Supervisors on December 15, 2015 approved a System

Approval for Mountain Valley Emergency Medical Services Agency to use System Enhancement Funds to add Data Analytics Capability for Fire Dispatch and to Purchase Training Manikins and Simulators for Fire Agencies in Stanislaus County

Enhancement Fund policy (Attachment A), giving direction and use priorities to be administered by MVEMS.

The requests described in this item have been approved by the EMSC for consideration by the Board of Supervisors at the January 12, 2017 and the March 9, 2017 meetings. The details of the requests are contained in the EMS Committee Action Agenda Summaries included as Attachments B and C.

At the January 12, 2017 meeting of the EMSC, a funding request submitted by the Stanislaus County Office of Emergency Services / Fire Warden was considered. The request was on behalf of all fire agencies within Stanislaus County for the purchase of training manikins and training simulators. This equipment would be used for training both first responders and the public. The expense related to this request is \$91,595.

The second request approved on March 9, 2017, is for the expense of adding the capability of a data analytics tool ("FirstWatch") through an interface between MVEMSA and Stanislaus Regional 911. This interfacing capability would enable analysis of the fire agencies response and service on emergency medical calls. Currently MVEMSA has no ability to capture and analyze this component of the first responder system. As staff work toward recommendations for the future of the Emergency Medical Services plan in Stanislaus County, this data will contribute to the quality of the overall analysis as it will enable a more comprehensive review of the service delivery actually occurring by first responders of both fire agencies and ambulance providers. The request also included a FirstWatch Solutions interface with Turlock Fire Dispatch CAD pending a final decision by Turlock stakeholders to participate in this project. The expense related to this request for the interface to SR911 and Turlock Fire Dispatch is \$217,438.

POLICY ISSUE:

The EMSC serves in an advisory capacity to the MVEMS Agency and the Stanislaus County Board of Supervisors on EMS issues. Specific to the use of System Enhancement Funds, the Board of Supervisors approved a policy outlining the process and priorities for administering this fund, but did not delegate authority to approve actual expenditures. As such, the Board of Supervisors' approval is required in order to proceed with the proposed purchase.

FISCAL IMPACT:

The Stanislaus County System Enhancement Fund as of February 28, 2017 totaled \$3.16 million. This balance includes a total of \$1.5 million set aside by the Board of Supervisors for future dispatch integration needs, and approximately \$460,000 of prior approved uses.

Approval for Mountain Valley Emergency Medical Services Agency to use System Enhancement Funds to add Data Analytics Capability for Fire Dispatch and to Purchase Training Manikins and Simulators for Fire Agencies in Stanislaus County

| | | | |
|--|----|---------|---------|
| Cost of recommended action: | | \$ | 309,033 |
| Source(s) of Funding: | | | |
| System Enhancement Funds | \$ | 309,033 | |
| Funding Total: | | \$ | 309,033 |
| Net Cost to County General Fund | | \$ | - |

| | |
|---|-----------|
| Fiscal Year: | 2016/2017 |
| Budget Adjustment/Appropriations needed: | No |

Fund Balance as of February 28, 2017 \$3.158M

BOARD OF SUPERVISORS’ PRIORITY:

Approval of the use of the System Enhancement Fund is consistent with the Board of Supervisors’ priorities of A Healthy Community, Effective Partnerships and Efficient Delivery of Public Services, by providing updated equipment and technology which serves to improve health outcomes of patients.

STAFFING IMPACT:

There is no staffing impact associated with this report. The staff of MVEMSA will coordinate the purchase and disbursement or implementation as applicable.

CONTACT PERSON:

Mary Ann Lee, Health Services Agency Director. Telephone: 209-558-7163
 Richard Murdock, MVEMSA Executive Director. Telephone: 209-529-5085

ATTACHMENT(S):

- Attachment A: System Enhancement Fund Policy
- Attachment B: EMSC – Request for purchase of training manikins and training simulators
- Attachment C: EMSC – Request for purchase of First Watch Data Interface

Attachment A

System Enhancement Fund Policy

DRAFT FOR BOARD OF SUPERVISOR CONSIDERATION DECEMBER 2015

MOUNTAIN-VALLEY EMS AGENCY

POLICY: 951.20

POLICIES AND PROCEDURES

**TITLE: STANISLAUS COUNTY EMS
SYSTEM ENHANCEMENT FUNDS**

APPROVED: SIGNATURE ON FILE IN EMS
OFFICE

EFFECTIVE DATE:

REVIEW DATE:

Executive Director

SIGNATURE ON FILE IN EMS
OFFICE

Medical Director

PAGE: 1 OF 4

STANISLAUS COUNTY EMS SYSTEM ENHANCEMENT FUNDS

I. **AUTHORITY**

II. **DEFINITIONS**

- A. "Agency" - Mountain-Valley EMS Agency
- B. "Emergency Medical Services (EMS) System Enhancement Funds" – The funds generated from Stanislaus County Ambulance Provider(s) contractual non-compliance fines.
- C. "Stanislaus County Emergency Medical Services Committee (EMSC)" – Advisory Committee to the Mountain-Valley EMS Agency and the Stanislaus County Board of Supervisors on EMS issues.
- D. "Eligible Agency" – A public stakeholder within the Stanislaus County EMS System.

III. **PURPOSE**

Establish a process for the use of Stanislaus County EMS System Enhancement Funds

IV. **POLICY**

The EMS System Enhancement Fund was established as a result of the fines assessed and collected from the Stanislaus County ambulance providers for contractual non-compliance.

Response Time compliance is monitored through contractual agreements between Agency and Stanislaus County Ambulance Providers. The objective is to encourage response time compliance and thereby improve patient care for the community. Fines generated from non-compliance issues are used to enhance the EMS System within Stanislaus County

Funds shall be allocated to projects that support the following priorities:

- A. Capital expenditures geared toward the integration of EMS dispatch in the Stanislaus Regional 9-1-1 Dispatch Center and potentially other public dispatch entities;
- B. Training costs associated with the integration of EMS dispatch in the Stanislaus Regional 9-1-1 Dispatch Center and potentially other public dispatch entities;

- C. EMS training, equipment and/or supply purchases that benefit or enhance EMS services in Stanislaus County on a system-wide basis. A percentage limit is listed within the parenthesis next to each category of the total system enhancement fund for the purchase of EMS equipment or training equipment, First Responder EMS equipment, and EMS pre-hospital supplies.
 - a. The following items are acceptable items to request
 - i. EMS equipment or training equipment (Single request not to exceed 2.5% of total system enhancement fund amount – Example 2.5% of 2,000,000 = 50,000.00)
 - 1. Automated External Defibrillator's (AEDs)
 - 2. Manikins used for CPR or EMS training
 - 3. Stair Chairs
 - 4. Training equipment that adds to or enhances the skill(s) of a First Responder or EMS Personnel
 - ii. EMS Supplies (Single request not to exceed 2.5% of total system enhancement fund amount)
 - 1. AED replacement supplies
 - 2. Personal Protective Equipment (PPE)
 - 3. Triage Tags
- D. Items requested by Mountain-Valley EMS Agency that benefit or enhances the EMS services in Stanislaus County on a system-wide basis, which will be approved by Stanislaus County EMSC.

The fund shall maintain a minimum reserve of \$100,000.

The Agency shall provide an accounting of the fund balance to the EMSC at their regular meetings and upon request.

V. PROCEDURES

- A. An Eligible Agency may complete and submit an Application to Request Allocation of System Enhancement Funds (Attachment A) to the Mountain-Valley EMS Agency. The application must include the following:
 - 1. Detailed description of the project
 - 2. Amount requested with a detailed budget
 - 3. Other funding sources available
 - 4. Justification for how the EMS System will be enhanced
 - 5. Supporting documentation (i.e. quotes, project analysis and planning documents)
- B. The Agency shall review and assess the applications alignment with the fund priorities and confer with the Stanislaus County Public Health Officer (PHO). If an application is determined eligible, the Agency will make recommendation for approval to the EMSC.
- C. The EMSC shall take action on the recommendations and submit qualifying requests to the Stanislaus County Board of Supervisors for approval.
- D. Upon approval from the Stanislaus County Board of Supervisors, the following shall take place:
 - 1. Agency shall notify the applicant.
 - 2. The applicant shall invoice the Agency for the approved funds.
 - a. The invoice shall include:
 - i. Agency Name, Address, Contact Person
 - ii. Invoice Number
 - iii. Quantity of Items to be Purchased

- iv. Unit Price of Item
 - v. Description of Items Purchasing
 - vi. Subtotal
 - vii. Total
3. Agency shall disburse the funds by check within 30 calendar days of receipt of invoice.
 4. Recipient shall provide the following to Agency:
 - a. Confirm proof of purchase by submitting receipt of purchase to Agency

Attachment A

Application to Request Allocation of System Enhancement Funds

Name of Organization: _____

Address: _____

Contact Person: _____ Phone: _____

Refer to Agency Policy # 951.20 V. Procedures, A. 1-5

1. Detailed description of the project (Attach additional supporting documentation if desired)

2. Amount requested with a detailed budget (Specific Project Costs and Capital Item(s) to be purchased – attach additional pages as needed)

3. Provide justification on how the EMS System will be enhanced in Stanislaus County

4. Describe other funding sources available to fund this project (Matching Funds, Applying for state funding on a regional basis, Greater benefits would be realized by more counties/more agencies participating)

5. Supporting Documentation (Quotes, project analysis and planning documents)

Attachment B

Emergency Medical Services
Committee Action Agenda Summary
for the Purchase of Training Manikins
and Training Simulators

STANISLAUS COUNTY EMERGENCY MEDICAL SERVICES COMMITTEE
ACTION AGENDA SUMMARY

DEPT: Mountain-Valley EMS Agency AGENDA ITEM# 8 (Attachment 2b)

Urgent Routine Vote Required AGENDA DATE 1/12/17

ATTACHMENTS: Application for System Enhancement Funds from Office of Emergency Services

CONTACT PERSON: Richard Murdock

SUBJECT: Purchase of Training Manikins and Training Simulators

DISCUSSION:

In accordance with Policy 951.20, Stanislaus County System Enhancement Funds, Mountain-Valley EMS Agency has reviewed the attached application and determined it is an eligible request that is in alignment with fund priorities.

In summary, the request is for OES to purchase a variety of training manikins and training simulators on behalf of all Stanislaus County Fire Departments. The manikins and trainers will be used to train Emergency Medical Responder personnel as well as provide CPR training to the general public.

The application was forwarded to the Stanislaus County Health Officer, who concurs this is an appropriate use of the System Enhancement Fund.

The Committee is asked to consider this application in view of the staff recommendation annotated below.

STAFF RECOMMENDATIONS: Approval to recommend to the Stanislaus County Board of Supervisors

FISCAL IMPACT: \$91,594.12 Requested; Available Funds = \$1,259,927.29

COMMITTEE ACTION AS FOLLOWS: By a vote of 9-0, the Committee recommended approval of the application and will forward the recommendation to the Board of Supervisors.

Application to Request Allocation of System Enhancement Funds

Name of Organization: Stanislaus County Office of Emergency Services
Address: 3705 Oakdale Rd, Modesto CA 95357
Contact Person: Eric Holly
Phone: 209-402-3217

1. Detailed description of the project (Attach additional supporting documentation if desired)

The Stanislaus County Office of Emergency Services / Fire Warden is requesting System Enhancement funds on behalf of all Stanislaus County Fire Agencies for purchasing Adult & Infant Cardio Pulmonary Resuscitation (CPR) Manikins, Obstetrical Manikins (OB), Adult & Infant Intubation Manikin, Adult & Infant Intraosseous Infusion Trainer, Cricoid Stick Simulator, and Pneumothorax Trainer (ALS agencies only for the ALS specific trainers). To be used for training of 1st Responder personnel as well as the general public.

2. Amount requested with a detailed budget (Specific Project Costs and Capital Item(s) to be purchased – attach additional pages as needed)

\$91,594.12 (Includes a 10% contingency)

The number of Manikins used for (CPR) or EMS training on the quote is for all fire agencies that have requested funds for manikins/trainers. This exceeds the *Single request not to exceed 2.5% of total system enhancement fund amount* as outlined in the policy however by putting all requests on one quote, a quantity discount was received. We feel that the request being done in this fashion is warranted and will stretch the available funds as far as possible.

3. Provide justification on how the EMS System will be enhanced in Stanislaus County

Stanislaus County Fire Agencies provide many services to the communities that they serve. These services are not just limited to emergency responses. All agencies have in the past assisted with teaching the citizens of their response areas CPR. This important lifesaving skill, with the proper equipment and instruction, can be easy to learn and many of the departments have either, old worn out CPR manikins or none at all. With this purchase agencies will not only be able to train their own personnel with the proper equipment, but reach out to the community in an effort to increase the number of trained CPR citizens in Stanislaus County.

Sudden cardiac arrest is a leading cause of death in the United States. CPR training that includes real-time audiovisual feedback and that emphasizes a "pit crew" or team approach to prehospital care for the cardiac arrest patients has been shown to increase survival rates by almost sixty percent (60%). *"The Resusci Anne QCPR with feedback devices"* provides multiple feedback options that provide an opportunity to focus on learner competency. Measurement, assessment and quality feedback are key factors in developing competency. Six (6) of these have been requested and will be placed

strategically throughout Stanislaus County for use by an agency to assist with training or testing.

All emergency medical response personnel are required to keep current their certifications and/or licensure. Continuing Education is required and an essential part of that continuing education is hands on training. The Obstetrical (OB) Manikin is used to simulate childbirth and helps provide that hands on training. This simple but effective manikin allows for multiple childbirth scenarios and allows the trainee to have hand on experience with a seldom used but important skill. As with the CPR manikins agencies that have OB manikins have stated that the manikin are worn out and in need of replacement. Many agencies do not have this training tool and would benefit by have the manikin in their agency to assist with training of new personnel and the required continuing education for the more experienced personnel.

Two (2) Fire Agencies in Stanislaus County have an Advanced Life Support (ALS) programs and one (1) is in the process of hiring their Paramedics to begin their program. Several ALS skill manikins/trainers (*Adult & Infant Intubation Manikin, Adult & Infant Intraosseous Infusion Trainer, Cricoid Stick Simulator, and Pneumothorax Trainer*) are needed to allow the ALS personnel to continually train in what is considered to be "Seldom used skills". While these skills are truly seldom used, they are lifesaving skills and an important part of the ALS scope of practice. With these specialized manikins readily available for training the ALS personnel will be able use them and continuously train with them to keep those skills up.

Manikins used for CPR or EMS training has been outlined as an acceptable item to request in the Mountain Valley EMS Agency Policy – 951.20, *STANISLAUS COUNTY EMS SYSTEM ENHANCEMENT FUNDS, IV, C, a., i., 2. Manikins used for CPR or EMS training.*

4. Describe other funding sources available to fund this project (Matching Funds, Applying for State Funding on a Regional Basis, Greater benefits would be realized by more counties/more agencies participating)

No other funding sources are available

5. Supporting Documentation (Quotes, project analysis and planning documents)

Supporting Quote is attached

Number requested per agency is attached

Stanislaus County Fire Agencies (Training Manikins)

| Department | MAC | CPR (Adult & Infant Starter pack) | QCPR Resuci Anne | OB | Comments |
|-------------------------------|-----|-----------------------------------|--------------------|--------------------|---|
| | | 4 Pack | | | |
| Manakin Price per | | \$800.00 | \$5,000.00 | \$700.00 | |
| Burbank-Paradise FD | BRB | 3 | 0 | 1 | |
| Ceres Fire Dept | CES | 2 | 1 | 1 | |
| CalFire SCU | SCU | 1 | 0 | 1 | |
| Denair Fire Dist. | DEN | 1 | 0 | 1 | |
| Hughson FPD | HGS | 2 | 0 | 1 | |
| Keyes Fire Dist. | KEY | 2 | 0 | 1 | |
| Modesto | MST | 3 | 1 | 3 | |
| Mt. View | MVW | 1 | 0 | 1 | |
| Newman | NWN | 1 | 0 | 1 | |
| Oakdale City | ODF | 0 | 0 | 0 | Contracted With Stanislaus Consolidated |
| Oakdale Rural | ODL | 0 | 0 | 0 | Contracted With Stanislaus Consolidated |
| Patterson | PAT | 2 | 1 | 1 | |
| Salida | SLA | 2 | 0 | 1 | |
| Stanislaus Consolidated | SSL | 6 | 1 | 2 | |
| Stanislaus County Fire Warden | SFW | 1 | 1 | 0 | |
| Turlock City | TUR | 3 | 1 | 2 | |
| Turlock Rural | TRL | 3 | 0 | 1 | |
| Westport | WPF | 1 | 0 | 1 | |
| West Stanislaus | WSF | 1 | 0 | 1 | Administered through Patterson Fire |
| Woodland Ave. | WLA | 1 | 0 | 1 | |
| MVEMSA | | 0 | 0 | 0 | |
| | | 36 | 6 | 21 | |
| | | \$28,800.00 | \$30,000.00 | \$14,700.00 | \$73,500.00 |

Stanislaus County Fire Agencies (ALS Manikins)

| Department | MAC | Adult Intraseous Infusion Simulator (IO) | Infant Intraseous Infusion Simulator (IO) | Pneumothorax Trainer | Cricoid Simulator | Airway (Adult) | Airway (Infant) | Comments |
|-----------------------------|-----|--|---|----------------------|-------------------|----------------|-----------------|-----------------------|
| Simulator/Trainer Price per | | \$325.00 | \$725.00 | \$1,350.00 | \$650.00 | \$2,000.00 | \$750.00 | |
| Modesto Fire | | 0 | 0 | 0 | 0 | 3 | 3 | Multiple ALS Stations |
| Patterson Fire | | 1 | 1 | 1 | 1 | 1 | 1 | Single ALS Station |
| Stanislaus Consolidated | | 1 | 1 | 1 | 1 | 1 | 1 | Single ALS Station |
| MVEMSA | | 0 | 0 | 0 | 0 | 0 | 0 | SIM manikin |
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| | | 2 | 2 | 2 | 2 | 5 | 5 | |
| | | \$650.00 | \$1,450.00 | \$2,700.00 | \$1,300.00 | \$10,000.00 | \$3,750.00 | \$19,850.00 |



To : RESENDO VERDUZCO
 STANISLAUS COUNTY
 251 E HACKETT RD
 MODESTO CA 95358

NATIONAL IPA LEVERAGED CONTRACT #: 141003

| Customer Quote | |
|-------------------------|--|
| Grainger Account Number | 839854452 |
| Grainger Quote Numbers | 2029805120 2029813108 |
| Customer Job Number | |
| Date | 11/16/2016 |
| Grainger Representative | Joe Long |
| Phone number | 209-323-8597 |
| Fax Number | |
| Email | joe.long@grainger.com |
| Grainger Tax ID | 36-1150280 |

| Line | MFG# | Description | MFG | QTY | Quote \$ | Total \$ | Start Date | Exp Date |
|---------------|------------|-------------------------------------|-----------|-----------|-------------|---------------------|-------------------|-------------------|
| 1 | 442 | SIMULAIDS 442 IO ADULT STAT SIM | SIMULAIDS | 2 | \$ 259.00 | \$ 518.00 | 11/16/2016 | 12/31/2016 |
| 2 | 170-LF1108 | LIFE/FORM INTRAOSSEOUS IO SIM | SIMULAIDS | 2 | \$ 629.00 | \$ 1,258.00 | 11/16/2016 | 12/31/2016 |
| 3 | 261-01001 | CRICOID STICK TRAINER | LAERDAL | 2 | \$ 542.40 | \$ 1,084.80 | 11/16/2016 | 12/31/2016 |
| 4 | 260-05001 | PNEUMOTHORAX TRAINER | LAERDAL | 2 | \$ 1,161.60 | \$ 2,323.20 | 11/16/2016 | 12/31/2016 |
| 5 | 101-501 | ADULT AIRWAY MANAGEMENT TRAINER | SIMULAIDS | 5 | \$ 1,499.00 | \$ 7,495.00 | 11/16/2016 | 12/31/2016 |
| 6 | 250-00250 | INFANT AIRWAY MANAGEMENT TRAIN | LAERDAL | 5 | \$ 700.80 | \$ 3,504.00 | 11/16/2016 | 12/31/2016 |
| 7 | 180 | SIMULAIDS OBSTETRIC MANIKIN, 180 | SIMULAIDS | 21 | \$ 639.00 | \$ 13,419.00 | 11/16/2016 | 12/31/2016 |
| 8 | 2151 | SIMULAIDS INSTR. START, ECON. PACK | SIMULAIDS | 36 | \$ 779.00 | \$ 28,044.00 | 11/16/2016 | 12/31/2016 |
| 9 | 171-01250 | RESUSCI ANNE QCPR - FULL BODY | LAERDAL | 6 | \$ 1,939.20 | \$ 11,635.20 | 11/16/2016 | 12/31/2016 |
| 10 | 206-30001 | SIMPAD PLUS WITH SKILLREPORTER | LAERDAL | 6 | \$ 1,680.00 | \$ 10,080.00 | 11/16/2016 | 12/31/2016 |
| 11 | 173-50750 | RA QCPR AED UPGRADE KIT - 173-50750 | LAERDAL | 6 | \$ 585.60 | \$ 3,513.60 | 11/16/2016 | 12/31/2016 |
| 12 | 170-30050 | SKILLGUIDE (NEW) | LAERDAL | 6 | \$ 60.48 | \$ 362.88 | 11/16/2016 | 12/31/2016 |
| TOTAL: | | | | 99 | | \$ 83,237.68 | 11/16/2016 | 12/31/2016 |

This is not an invoice. Changes to product or quantities may result in different pricing. Availability and lead times are subject to change and can be confirmed at order placement. Additional lead time may apply for AK and HI. Unless otherwise stated, these items are sold for domestic consumption in the United States. If exported, purchaser assumes full responsibility for compliance with U. S. export control. Contact Sales Rep. or Grainger branch listed below for questions, order placement or to submit a new request. Return Policy: Please contact Grainger before returning any product. All returns are subject to the manufacturer's return policy. Special Order items may not be returnable. Restocking fees may apply.

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with two 1-year renewal options

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- Option to renew for two additional one-year periods through December 31, 2019

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- Allows flexibility for member-specific, customized "hot list" of MRO products
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¹Other freight charges will be incurred for services such as expedited delivery, air freight, freight collect, sourced orders, export orders, hazardous materials, buyer's carrier, shipments outside the contiguous U.S. or other special handling by the carrier.

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Mike Sampson
Sr. National Sales Manager
Phone: 763-498-4318
michael.sampson@grainger.com

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FOR THE ONES WHO GET IT DONE

Attachment C

Emergency Medical Services
Committee Action Agenda Summary
for the Purchase of First Watch Data
Interface

STANISLAUS COUNTY EMERGENCY MEDICAL SERVICES COMMITTEE
ACTION AGENDA SUMMARY

DEPT: Mountain-Valley EMS Agency AGENDA ITEM# 8 (Attachment 2)

Urgent Routine Vote Required AGENDA DATE 3/9/17

ATTACHMENTS: Application for System Enhancement Funds from Mountain-Valley EMS Agency

CONTACT PERSON: Richard Murdock

SUBJECT: Purchase of FirstWatch Data Interface for SR911 CAD

DISCUSSION:

*NOTE: This application **replaces** the request submitted to the EMSC Committee on 1/12/17.*

In accordance with Policy 951.20, Stanislaus County System Enhancement Funds, Mountain-Valley EMS Agency has reviewed the attached application and determined it is an eligible request that is in alignment with fund priorities.

In summary, the request is for Mountain-Valley EMS Agency to purchase a FirstWatch data interface for the SR911 CAD, and to provide annual support and maintenance for three additional years through 2020. Additionally, the request provides for a FirstWatch data interface with the Turlock Fire Dispatch CAD pending a final decision by Turlock stakeholders to participate in the project.

The application was forwarded to the Stanislaus County Health Officer, who concurs this is an appropriate use of the System Enhancement Fund.

The Committee is asked to consider this application in view of the staff recommendation annotated below.

STAFF RECOMMENDATIONS: Approval to recommend to the Stanislaus County Board of Supervisors

FISCAL IMPACT: \$217,438.00 Requested; Available Funds = \$1,267,570.93

COMMITTEE ACTION AS FOLLOWS:

Application to Request Allocation of System Enhancement Funds

Name of Organization: Mountain-Valley EMS Agency
Address: 1101 Standiford Ave, Suite D-1, Modesto CA 95350
Contact Person: Richard Murdock, Executive Director
Phone: 209-529-5085

1. Detailed description of the project (Attach additional supporting documentation if desired)

*NOTE: This application **replaces** the request submitted to the EMSC Committee on 1/12/17.*

The project would facilitate the development and implementation of an interface between the Stanislaus Regional 911 (SR911) CAD and the FirstWatch Surveillance Platform. The proposed interface will allow real-time response information to be shared with key stakeholders within the Stanislaus Operational Area. The Fire response data should be monitored and managed real-time, in a platform that will ensure operational efficiencies and system situational awareness in a cost effective manner. This project includes a FirstWatch interface with the Turlock Fire Dispatch CAD pending a final decision by Turlock stakeholders to participate in the project.

2. Amount requested with a detailed budget (Specific Project Costs and Capital Item(s) to be purchased – attach additional pages as needed)

\$217,438.00

3. Provide justification on how the EMS System will be enhanced in Stanislaus County

In 2012, MVEMSA partnered with FirstWatch Solutions, Inc. to successfully implement an interface between the authorized Emergency Medical Dispatch center (Valley Regional Emergency Communications Center, VRECC) and the FirstWatch surveillance platform. This interface currently provides real-time response data, monitoring and management of EMS operations and system situational awareness in the Stanislaus Operational Area. This interface has provided valuable and essential dispatch data, ambulance response/transport data and electronic patient care report (ePCR) data. However, a need to monitor, measure and correlate the Fire and ambulance data is vital in effectively evaluating the delivery of emergency medical care to the citizens of Stanislaus County.

This newly aggregated data will allow the creation of localized “triggers” that will establish alerts; algorithmic methodologies for real time data analysis; capacity to

process and aggregate real time dispatch incidents daily; integrated geospatial mapping capability; data export capability for authorized users; access and security for multiple agencies; and the creation of triggers for critical data views, such as:

- **Automated Data analysis and dashboard views for each agency in Combined/ Consolidated Dispatch environment (Fire & EMS)**
 - **System-wide Views of Key Performance for Operations to include:**
 - **Chute Times**
 - **Response Times**
 - **Time on Task**
 - **Detailed, granular drill-downs of call-type, Priority, Crew, Unit, Apparatus, Station, Zone**
 - **Contractual compliance measures.**
 - **Situational Awareness**
 - **Geo-Fencing**
 - **Major Incident Sentinel Notifications**
 - **Free-Text Alerting**
 - **Special Situation Triggers**
 - **Early Warning of Pandemic/BioTerrorism**
4. Describe other funding sources available to fund this project (Matching Funds, Applying for State Funding on a Regional Basis, Greater benefits would be realized by more counties/more agencies participating)

There are no other funding sources available.

5. Supporting Documentation (Quotes, project analysis and planning documents)

FirstWatch Solutions, Inc. Quotes

Narrative Description of the Performance Plus Module

Annual Support and Maintenance for the data interface, reporting and Performance Plus modules is \$21,012. The first year's support and maintenance is included in the quotes. The Agency is requesting an additional \$63,036. to provide three years of annual support and maintenance of the software and reporting through 2020.

Projected cost to SR911 for required server licensing to facilitate the interface is \$600.

In our experience with other CAD data integrations, Mountain Valley EMS has learned that, based on the needs of the Operational Area stakeholders, capturing additional data fields, third party vendor expenses and the development of customized reports may be required after the initial expenditure for data source implementation. To be able to quickly and cost-effectively respond to stakeholder requests, MVEMSA would like to encumber System Enhancement funds not to exceed \$34,500*. These funds will be

dedicated to FirstWatch specific triggers, report development hours, data source installations and/or enhancement modules for potential future real-time performance, operational and/or clinical quality data needs.

***These requested funds were calculated using the current FirstWatch Solutions, Inc. pricing model:**

- **Additional ten (10) Triggers (including support/maintenance+3yrs), 5 per data integration = \$12,000**
- **Additional fifty (50) hours of Custom Report Development, 25 per data integration = \$7,500**
- **Additional unidentified fees associated with data integration = \$15,000**