



CAL FIRE
San Luis Obispo
County Fire Department

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www.calfireslo.org



Robert Lewin, Fire Chief

February 5, 2015

TO: LOCSD Board of Directors

FROM: Phill Veneris, North Coast Battalion Chief

SUBJECT: **Agenda Item 11F – 02/05/2015 Board Meeting**
Authorize Staff To Purchase One Mine Safety Apparatus Thermal Imaging Camera
And Associated Hardware

DESCRIPTION:

This Staff Note authorizes Station 15 – South Bay Staff to purchase a Mine Safety Apparatus (MSA) Thermal Imaging Camera (TIC) and associated hardware and install it on Medic Engine 15.

STAFF RECOMMENDATION:

Staff recommends that the Board adopt the following motion/resolution:

Motion: I move that Staff purchase one Mine Safety Apparatus Thermal Imaging Camera and associated hardware from Fire ETC not to exceed \$10,000.

DISCUSSION

In 2005 the LOCSD BODs authorized Station 15 - South Bay Staff to purchase a TIC and place it on Engine 15. Thermal Imaging Cameras are a type of thermographic camera. The cameras render infrared radiation as visible light, and allow firefighters to see areas of heat through smoke, darkness, or heat-permeable barriers. They are used by Firefighters and other emergency responders in structure fires, technical rescues and other low light environments to located heat sources including hidden fires, victims and some hazardous conditions. The TIC was placed on Medic Engine 15 and used extensively since then.

In the last 10 years, numerous technology advances have been made on TICs, including longer battery life, better screens and lighter cameras. The price of TICs has also been reduced over the last several years as more and more responders purchase TICs.

When the new fire engine was placed in service in 2013, the old TIC was removed from old E15 and placed onto the new Medic Engine 15. A new TIC was not included in the gear or equipment purchase when the new engine was outfitted. This was a Staff over site and should have been added in the initial cost.

CAL FIRE statewide, CAL FIRE/SLO County Fire Department as well as numerous other local agencies in SLO County use only MSA equipment for TICs, Self-Contained Breathing Apparatus (SCBA) and several other emergency responder tools. MSA products are only available through a single vendor in California. This vendor is Fire ETC. The LOCSD has used this vendor in the past to purchase SCBA Bottles.

In conclusion, Staff would like to purchase a new TIC and install it on Medic Engine 15 and repurpose the 2005 TIC back onto Engine 215.

FINANCIAL IMPACT

This year, Staff added to FY2014/15 Fund 301 Line Item 9076 - Capital Outlay \$20,000 for several projects. Of this \$20,000, Staff allocated \$10,000 for a new Thermal Imaging Camera. This purchase was discussed by the ESAC during budget preparation at the ESAC Meeting in April 2014. Their recommendation of this budget included their recommendation to the LOCSD BODs to approve this purchase. This Staff note was also discussed at the ESAC meeting in January 2015. At that time the ESAC reaffirmed its recommendation to the BODs to approve this purchase.

Respectfully Submitted,

Rob Lewin, Unit Chief
CAL FIRE / San Luis Obispo County Fire Department



By Phill Veneris, North Coast Battalion Chief
CAL FIRE / San Luis Obispo County Fire Department

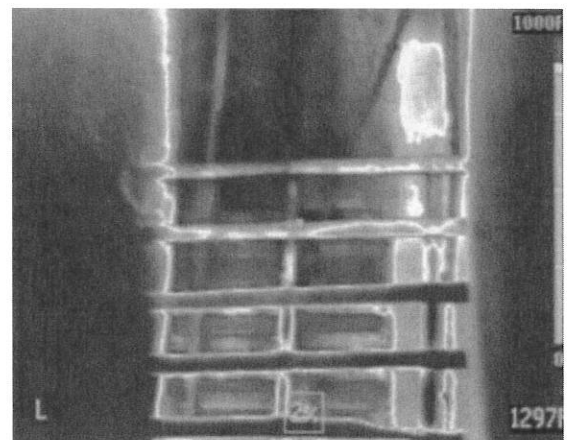
Attachments: MSA Thermal Imaging Camera Information Sheet
 Fire Etc Quote

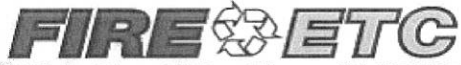
MSA THERMAL IMAGING CAMERA (MODEL #EV5200HD2)



Thermal Imaging Cameras (TICs) can aid in rescue and fire suppression activities.

- Hidden fires and heat can be seen inside walls and other structure members.
- TICs can help prevent damage and save homeowners and business owners money by allowing fire crews to accurately locate heat sources without opening up walls/ceilings.
- TICs aid in ensuring ALL fire and heat sources are out.
- TICs can be used for locating rescue victims inside and out of a structure fire.
- TICs can show heat signatures on vehicle seats to help determine the number of vehicle occupants in a roll-over/ejection accident.
- TICs can aid in search and rescue operations during daylight and night time hours.





2190 Main Street * San Diego, CA 92113-2218
 (619) 525-7286 * Fax (619) 525-7288
 www.fire-etc.com * sales@fire-etc.com

Sales Order #10357

Date: 4/29/2014
 Sales Rep:

QUOTE

Bill To: CAL Fire - SLO
 CAL Fire - SLO
 635 North Santa Rosa
 San Luis Obispo, CA 93405-7815
 (805) 543-4244

Ship To: CAL Fire - SLO
 CAL Fire - SLO
 635 North Santa Rosa
 San Luis Obispo, CA 93405-7815
 (805) 543-4244

Qty	Item #	Part Number	Description 2	Attribute	Size	Price	Ext Price
1	10510	10097247	TIC: EV5200HD2, HS (F), QT, Camera Only			\$8,100.00	\$8,100.00
1	25295	10096886	MSA 5200 Vehicle Kit, Vehicle Charger with 2 batteries, Retractable Lanyard Riverside County Spec			\$757.00	\$757.00
2	17920	10038412	MSA Thermal Imager Battery MSA Brand TIC BATTERY for 5000, 5200, 5600, 5800			\$89.00	\$178.00

Subtotal: \$9,035.00
 7.50% 7.5 % Tax: + \$677.63
 Shipping: + \$65.00
TOTAL: \$9,777.63

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