

CITY OF YUBA CITY
STAFF REPORT

Date: February 6, 2018
To: Honorable Mayor & Members of the City Council
From: Fire Department
Presentation By: Pete Daley, Fire Chief

Summary

Subject: Purchase of Self-Contained Breathing Apparatus (SCBA's), masks, air cylinders, and related charging and maintenance equipment.

Recommendation:

- A. Approve the purchase of 58 SCBA's from MSA in the amount of \$367,500 with the finding that it's in the best interest of the City.
- B. Authorize the Finance Director to complete a supplemental appropriation for Account No. 2310-63404 and transfer cash from Fund 620, the Vehicle Replacement Fund, in the amount of \$362,351.63 to purchase Self-Contained Breathing Apparatus (SCBAs), masks, air cylinders, and related charging and maintenance equipment.
- C. Authorize the Finance Director to complete a supplemental appropriation for Account No. 2310-63404 and transfer cash from Fund 620, Vehicle Replacement Fund, in the amount of \$5,148.37 to purchase SCBA mounting equipment from Golden State Emergency Vehicle Service.

Fiscal Impact: \$367,500.00 – SCBA Account No.2310-63404

Purpose:

To replace 58 Self-Contained Breathing Apparatus (SCBA's) and 134 air cylinders that are to expire in April 2018.

Background:

The Fire Department's SCBAs, purchased in 2003 through an Assistance to Firefighters Grant, will reach the end of their useful service life on April 13, 2018. SCBAs are essential safety equipment that allow firefighters to enter and work within environments that are immediately dangerous to life or health (IDLH), and SCBAs are required to conduct rescue, firefighting, and hazardous materials mitigation operations. Federal and State Occupational Safety and Health Agencies (OSHA) strictly mandate SCBA use and the Fire Department must comply with these regulations. Staff submitted a request for funding in the 2017-2018 FY Budget and was advised to apply for grant funding and if unsuccessful to come back to the City for a supplemental

appropriation. Due to grant delays within the Department of Homeland Security, staff is unable to apply for and secure grant funding prior to the April 2018 expiration date on the current SCBA's.

Analysis:

The United States Department of Labor, Occupational Safety and Health Standards require that the City provide firefighters with personal protective equipment to include respiratory protection (Standards – 29 CFR 1910.134). California Occupational Safety and Health Administration (Cal OSHA) standards augment those developed by Federal OSHA. Cal OSHA Title 8 Regulations mandate respiratory protection using SCBAs. Additionally, the National Fire Protection Association (NFPA) sets technical standards for SCBAs. NFPA Standards ensure that current respiratory protection and safety technology is incorporated into an important component of firefighter personal protective equipment (PPE).

In anticipation of the SCBA replacement, the Fire Department sent a formal Request for Information (RFI) to six SCBA manufacturers asking that they meet with the Fire Department SCBA Committee to answer questions and give a formal presentation of their SCBA and related products. Invitations were sent to MSA, Scott Safety, Delta Air, Interspiro, Drager, and Honeywell. Only two manufacturers, MSA & Scott Safety, met with the committee and gave their formal presentations out of the six contacted. MSA & Scott Safety both left six of their SCBAs with the Committee for field-testing by our personnel.

At the conclusion of the pre-bid evaluation, Request for Quotations (RFQ) were sent to the two vendors (Scott Safety and MSA), who we felt were best positioned to provide SCBA equipment to the Department and to meet our timeline needs. Staff also conducted a comprehensive evaluation of the two (2) manufacturer's products in regards to price, maintenance, warranty, ease of use and care, battery costs, and ergonomic comfort. The MSA SCBAs were rated as the most suitable for the Fire Department through a series of objective tests.

To maintain firefighter safety and standardization, all of the equipment needs to be replaced by the end of April 2018. Each firefighter is issued a mask that is uniquely sized and fitted to their face. This facemask is a part of the Department-issued PPE and each mask must fit with the harness assembly. The facemask is not universal and must be paired with the appropriate SCBA.

The following quotes (YCFD 18-01) were submitted by MSA and Scott Safety.

<u>Vendor</u>	<u>Price</u>
MSA	\$362,351.63
Scott Safety	\$347,434.02

After reviewing the above mentioned bids, and evaluation criteria, as well as operating costs not identified in the Scott Safety bid, Fire Department staff is recommending that MSA be selected to provide SCBA-related equipment. This recommendation is based upon their ability to meet our timeline for replacing the existing SCBAs and air cylinders, their product's safety features, additional features/components that can be activated in the future are built into the system, warranty, and MSA's commitment to provide the Department with five (5) free rechargeable lithium ion batteries each year of the equipment's 15-year life, or 75 batteries with a value of \$15,750. We recommend that the MSA quote be selected as being in the best interest of the City.

Fiscal Impact:

\$367,500.00 – \$362,351.63 for the purchase of MSA G1 SCBA packs and masks, air cylinders, and related charging and maintenance and repair equipment and \$5,148.37 for SCBA mounting equipment - Golden State Emergency Vehicle Service. SCBA Account No. 2310-63404.

Alternatives:

- 1) Reject MSA bid
- 2) Request new bid process within the time constraints of the April 2018 Out of Service date and a 42-90 day delivery time for the new equipment.

Recommendation:

- A. Approve the purchase of 58 SCBAs from MSA in the amount of \$367,500 with the finding that it's in the best interest of the City.
- B. Authorize the Finance Director to complete a supplemental appropriation for Account No. 2310-63404 and transfer cash from Fund 620, the Vehicle Replacement Fund, in the amount of \$362,351.63 to purchase Self-Contained Breathing Apparatus (SCBAs), masks, air cylinders, and related charging and maintenance equipment.
- C. Authorize the Finance Director to complete a supplemental appropriation for Account No. 2310-63404 and transfer cash from Fund 620, Vehicle Replacement Fund, in the amount of \$5,148.37 to purchase SCBA mounting equipment from Golden State Emergency Vehicle Service.

Attachments:

- A. RFQ# - YCFD 18-01
- B. Comparison of SCBA Pricing
- C. Comparison of Recent MSA Pricing

Prepared By:

/s/ William E. Fuller
William E. Fuller
Administrative Analyst III

Submitted By:

/s/ Steven C. Kroeger
Steven C. Kroeger
City Manager

Reviewed By:

Department Head
Finance
City Attorney

PD
RB
TH by email

ATTACHMENT A

City of Yuba City, California
1201 Civic Center Blvd., Yuba City, CA 95993
REQUEST FOR QUOTATION
(THIS IS NOT AN ORDER)

RESPONSE DUE BY Friday, December 29, 2017		DATE: December 20, 2017			
TO: Dan Kroetch MSA/Bauer 267 East Airway Boulevard Livermore, CA 94551		RESPOND TO: DEPT.: FIRE DEPARTMENT PHONE: (530) 822-4771 FAX RESPONSE: (530) 822-7561 ATTN: Bill Fuller RFQ#: YCFD 18-01			
IMPORTANT NOTICE TO VENDORS. 1. QUOTATIONS ARE REQUESTED FOR FURNISHING THE ITEMS DESCRIBED BELOW IN ACCORDANCE WITH TERMS SET FORTH HEREIN. ALL QUOTATIONS MUST BE F.O.B. DESTINATION AND INCLUDE ALL COSTS OF SHIPPING AND HANDLING TO DELIVERY POINT. 2. UNLESS SPECIFICALLY NOTED, SUBSTITUTES MAY BE OFFERED IF THEY ARE EQUAL TO OR EXCEED THE QUALITY OF THE ITEM(S) DESCRIBED. IT SHALL BE TO THE SOLE DISCRETION OF THE CITY TO DETERMINE EQUALITY OF ITEMS OFFERED AND SUITABILITY FOR CITY USE. 3. VENDOR MUST INCLUDE COMPLETE MANUFACTURER SPECIFICATIONS FOR ANY ALTERNATES OFFERED AND PROVIDE A CLEAR AND COMPLETE DESCRIPTION OF MATERIAL OR EQUIPMENT BEING BID INCLUDING TRADE NAME, MODEL SIZE, TYPE AND CATALOG NUMBER. IF REQUESTED BY THE CITY SAMPLES AND/OR PRODUCT DEMONSTRATION MAY ALSO BE REQUIRED. 4. RIGHT IS RESERVED BY THE CITY TO REJECT ANY OR ALL BIDS OR TO SEPARATE ITEMS IN BID, UNLESS THE RIGHT IS SPECIFICALLY DENIED BY BIDDER. 5. THE CITY RESERVES THE RIGHT TO INCREASE OR DECREASE BY TEN (10%) PER CENT THE QUANTITIES OF ANY ITEM(S) OFFERED. 6. QUOTATION IS TO SHOW NET UNIT AND NET TOTAL PRICES AFTER ALL TRADE AND CITY DISCOUNTS HAVE BEEN DEDUCTED. DO NOT INCLUDE FEDERAL EXCISE TAXES, AS AN EXEMPTION CERTIFICATE WILL BE FURNISHED UPON REQUEST. 7. BIDDERS LOCATED OUTSIDE THE STATE OF CALIFORNIA ARE ADVISED THAT USE TAX EQUAL TO THE CURRENT STATE OF CALIFORNIA SALES TAX WILL BE ADDED TO THEIR BID FOR EVALUATION PURPOSES IF CALIFORNIA SALES TAX IS NOT COMPUTED INTO THEIR BID AND/OR A CERTIFICATE NUMBER AUTHORIZING COLLECTION OF CALIFORNIA STATE SALES TAX IS NOT PROVIDED. 8. THE CITY RESERVES THE RIGHT TO MAKE PAYMENT ONLY UPON COMPLETION OF THE ENTIRE ORDER BEING DELIVERED AFTER PURCHASE AWARD.					
ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1	58	EA	G1 SCBA: 4500, QC REMOTE, CHEST STRAP, METAL BAND, ADJUSTABLE LUMBAR, SOLID 2 ND STAGE, CONT. 2 ND STAGE HOSE, EXTENDAIR II, AMP LEFT, PASS RIGHT, RECHARGEABLE BATTERY.	\$3,704.00	\$214,832.00
2	58	EA	G1 MASK(MED)	\$181.00	\$10,498.00
3	134	EA	CYLINDER 45-MIN 4500 W/QC ADAPTER MALE	\$632.00	\$84,688.00
4	25	EA	SPARE BATTERY PACK, G1, RECHARGEABLE	\$210.00	\$5,250.00
5	5	EA	KIT, CHARGING STATION, G1 BATTERIES	\$425.00	\$2,125.00
6	20	EA	QUICK CONNECT ADAPTER FOR COMPRESSOR	\$275.00	\$5,500.00
7	1	EA	G1 APR ADAPTER	\$90.00	\$90.00
8	10	EA	60 MIN CYLINDER	\$868.00	\$8,680.00
9	0	EA	G1 RIT PACK LESS CYL	\$2,895.00	\$0.00
10	1	EA	KIT, REPAIR TOOLS, G1, BASIC	\$1,995.00	\$1,995.00
11	4	EA	G1 TECH TRAINING CERT (PER PERSON)	\$850.00	\$3,400.00
12	1	EA	POSICHEK SOFTWARE	\$799.00	\$799.00
13	5	EA	RIT Conversion KIT (Includes MSA G1 2 nd Stage Hose & Regulator and Misc. Fittings)	Incl.	Incl.
SUBTOTAL				\$337,857.00	
TERMS: UNIT PRICES VALID UNTIL JANUARY 31ST 2018			TAXES (SPECIFY): \$24,494.63 @ 7.25%		
DELIVERY DAYS: 42-56			TOTAL NET BID INCLUDING TAXES: \$362,351.63		

IN SUBMITTING THE ABOVE QUOTATION, THE VENDOR AGREES THAT ACCEPTANCE OF ANY OR ALL ITEMS BY THE CITY CONSTITUTES A CONTRACT.

SIGNATURE: *Dan Kroetch* TITLE: SALES SPECIALIST DATE 1/2/2018 PHONE #: 510-909-6157

FEDERAL TAX ID # 54-1019520

City of Yuba City, California
 1201 Civic Center Blvd., Yuba City, CA 95993

REQUEST FOR QUOTATION

(THIS IS NOT AN ORDER)

RESPONSE DUE BY Friday, December 29, 2017		DATE: December 20, 2017			
TO: AllStar Fire Equipment Attn: Mark Preisendorf 2552 Barrington Court Hayward, CA 94545		RESPOND TO: DEPT.: FIRE DEPARTMENT PHONE: (530) 822-4771 FAX RESPONSE: (530) 822-7561 ATTN: Bill Fuller RFQ#: YCFD 18-01			
IMPORTANT NOTICE TO VENDORS					
1. QUOTATIONS ARE REQUESTED FOR FURNISHING THE ITEMS DESCRIBED BELOW IN ACCORDANCE WITH TERMS SET FORTH HEREIN. ALL QUOTATIONS MUST BE F.O.B. DESTINATION AND INCLUDE ALL COSTS OF SHIPPING AND HANDLING TO DELIVERY POINT. 2. UNLESS SPECIFICALLY NOTED, SUBSTITUTES MAY BE OFFERED IF THEY ARE EQUAL TO OR EXCEED THE QUALITY OF THE ITEMS DESCRIBED. IT SHALL BE TO THE SOLE DISCRETION OF THE CITY TO DETERMINE EQUALITY OF ITEMS OFFERED AND SUITABILITY FOR CITY USE. 3. VENDOR MUST INCLUDE COMPLETE MANUFACTURER SPECIFICATIONS FOR ANY ALTERNATES OFFERED AND PROVIDE A CLEAR AND COMPLETE DESCRIPTION OF MATERIAL OR EQUIPMENT BEING BID INCLUDING TRADE NAME, MODEL, SIZE, TYPE AND CATALOG NUMBER. IF REQUESTED BY THE CITY SAMPLES AND/OR PRODUCT DEMONSTRATION MAY ALSO BE REQUIRED. 4. RIGHT IS RESERVED BY THE CITY TO REJECT ANY OR ALL BIDS OR TO SEPARATE ITEMS IN BID, UNLESS THE RIGHT IS SPECIFICALLY DENIED BY BIDDER. 5. THE CITY RESERVES THE RIGHT TO INCREASE OR DECREASE BY TEN (10%) PER CENT THE QUANTITIES OF ANY ITEMS OFFERED. 6. QUOTATION IS TO SHOW NET UNIT AND NET TOTAL PRICES AFTER ALL TRADE AND CITY DISCOUNTS HAVE BEEN DEDUCTED. DO NOT INCLUDE FEDERAL EXCISE TAXES, AS AN EXEMPTION CERTIFICATE WILL BE FURNISHED UPON REQUEST. 7. BIDDERS LOCATED OUTSIDE THE STATE OF CALIFORNIA ARE ADVISED THAT USE TAX EQUAL TO THE CURRENT STATE OF CALIFORNIA SALES TAX WILL BE ADDED TO THEIR BID FOR EVALUATION PURPOSES IF CALIFORNIA SALES TAX IS NOT COMPUTED INTO THEIR BID AND/OR A CERTIFICATE NUMBER AUTHORIZING COLLECTION OF CALIFORNIA STATE SALES TAX IS NOT PROVIDED. 8. THE CITY RESERVES THE RIGHT TO MAKE PAYMENT ONLY UPON COMPLETION OF THE ENTIRE ORDER BEING DELIVERED AFTER PURCHASE AWARD.					
ITEM NO.	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1	58		Air-Pak X3; 4500 psi; CGA connection, OD Regulator, Dual EBSS, PASS and Pak- Tracker c/w AV-3000HT (M) face piece, 4500 psi, 45-min cylinder, EPIC 3 voice amplifier (per California Department of Forestry and Fire Protection (CalFire) Self-Contained Breathing Apparatus (SCBA) Contract pricing, dated 4, 27, 2017)	\$4351.90	\$252,410.20
2	76		4500; 45-min CGA cylinder	\$792.60	\$60,237.60
3	10		60 min. Cylinder for above, 4500 PSI	\$1,130.00	\$11,300.00
TERMS: Net 30 Days			TAXES (SPECIFY): \$23,486.22		
DELIVERY DAYS: 21 days			TOTAL NET BID INCLUDING TAXES: \$347,434.02		

IN SUBMITTING THE ABOVE QUOTATION, THE VENDOR AGREES THAT ACCEPTANCE OF ANY OR ALL ITEMS BY THE CITY CONSTITUTES A CONTRACT.

Lee G. Foshel

SIGNATURE _____ TITLE: Vice President DATE: 1 / 5 / 18 PHONE #: (510) 887-6295
 FEDERAL TAX ID #: 95-4326274

ALL QUOTATIONS MUST BE SIGNED AND RETURNED ON THIS FORM

ATTACHMENT B

Comparison of SCBA Pricing

	MSA	SCOTT
SCBA Pak	\$3,704.00	\$4,351.90
Face Mask	\$181.00	(included in above)
Air Cylinder	\$632.00	(included in above)
Spare Air Cylinder	\$632.00	\$792.60
Price per SCBA Unit	\$5,149.00	\$5,144.50

		MSA	SCOTT
1	SCBA (58)	\$214,832.00 <i>MSA GI SCBA</i>	\$252,410.20 <i>Scott X3 SCBA</i>
2	Face Mask (58)	\$10,498.00 <i>MSA G1 Mask</i>	(included in above) <i>Scott AV-3000HT Mask</i>
3	Air Cylinders (45- Minutes) (134)	\$84,688.00 <i>(\$632.00/each)</i>	\$60,237.60 <i>(58 air cylinders included above) (\$792.60/each)</i>
4	Air Cylinders (60- Minutes) (10)	\$8,680.00 <i>(\$868.00/each)</i>	\$11,300.00 <i>(\$792.60/each)</i>
5	Batteries	\$5,250.00 <i>(\$210.00/each) (25 Rechargeable batteries)</i>	\$0 <i>Scott SCBAs use disposable standard batteries. Based upon the replacement schedule used by the YCFD, the estimated cost of replacing these batteries over the 15-year life of the SCBAs is \$15,000.</i>
6	Battery Chargers	\$2,125.00 <i>(5) (\$425.00/each)</i>	\$0
7	Quick Connect Adapter for Compressor	\$5,500.00 <i>(20) (\$275.00/each)</i>	\$0
8	G1 APR Adapter	\$90.00 <i>(1)</i>	\$0

		MSA	SCOTT
9	Repair Tool Kit	\$1,995.00 (1)	\$0
10	Training Certification	\$3,400.00 (\$850.00/each for 4 people for a 1 ½ day class. Does not include cost for overtime/backfill, travel, lodging and per diem)	\$0 No cost for the certification. Course is 3 ½-days. Does not include cost for overtime/backfill, travel, lodging and per diem)
11	PosiChek Software	\$799.00 (MSA software needed to transition away from Scott)	\$0 YCFD currently has Scott PosiChek software.
12	RIT Conversion Kit	\$0 (Included in Bid)	\$0
	TOTAL BID	\$337,857.00	\$323,947.80 (Plus estimate of \$15,000 for purchase of disposable batteries over the 15-year life of the SCBA, based upon Fire Department staff annual battery use)
	Sales Tax	\$24,494.63	\$23,486.22
	Final Pricing Comparison	\$362,351.63 Additional Note: MSA has agreed to provide YCFD with five (5) new lithium ion rechargeable batteries every year for 15-years for a total of 75 batteries, to supplement the batteries to be purchased.	\$347,434.02 (Official Bid Amount – What Scott submitted, but we need to add in \$15,000 for the purchase of disposable batteries over the 15-year life of the equipment, note above). Our revised estimate for purchasing Scott SCBE is \$362,434.02

ATTACHMENT C

Comparison of Recent MSA Pricing of MSA G1 SCBAs & Related Gear

Agency	Date Purchased	Item	Unit Price	Yuba City Fire Price
Palo Alto, CA	8/14/2017	SCBA	\$5,270.50	\$3,704.00
		45-minute air cylinder	\$799.00	\$632.00
		Mask	\$228.28	\$181.00
		Charging Station	\$374.40	\$425.00
		Rechargeable Lithium Ion battery	\$205.70	\$210.00
Linda Fire Protection District, CA	2017	SCBA (includes mask and 45-minute air cylinder)	\$5,720.00	\$3,704.00 <i>(Yuba City's combined price for SCBA, mask and 45-minute air cylinder would be \$4,517.00)</i>
		45-minute air cylinder		\$632.00
		Mask		\$181.00
		Charging Station		\$425.00
		Rechargeable Lithium Ion battery		\$210.00
Charter Township of Canton, MI	March 28, 2017	SCBA	\$5,368.75	\$3,704.00
		45-minute air cylinder	\$694.45	\$632.00
		Mask	\$235.70	\$181.00
		Charging Station	\$366.70	\$425.00
		Rechargeable Lithium Ion battery	\$201.70	\$210.00

Agency	Date Purchased	Item	Unit Price	Yuba City Fire Price
Coos Bay, OR	July 5, 2017	SCBA	\$5,965.00	\$3,704.00
		45-minute air cylinder		\$632.00
		Mask		\$181.00
		Charging Station		\$425.00
		Rechargeable Lithium Ion battery		\$210.00
 				
Munster, IN	9/21/2017	SCBA	\$5,582.00	\$3,704.00
		45-minute air cylinder		\$632.00
		Mask	\$275.00	\$181.00
		Charging Station		\$425.00
		Rechargeable Lithium Ion battery		\$210.00
 				