

December 10, 2011

TO : William T. Lichter, Village Manager
FROM : George E. Seagraves, Fire Chief
RE : **SELF-CONTAINED BREATHING APPARATUS
PURCHASE RECOMMENDATION**

Please place before the Board of Trustees on August 19, 2004, the recommendation of the Fire Department to purchase forty-two (42) Self-Contained Breathing Apparatus (SCBA), forty-two (42) spare cylinders and other associated equipment in the amount not to exceed \$152,812.37 from MES-Global of Washington, Illinois. The recommendation to the Board is based upon an exhaustive selection process completed by the Fire Department's Air Pack Selection Committee and negotiated purchase process as per approval by the Board at the February 19, 2004 Board Meeting.

Quotations were solicited from two (2) SCBA Vendors. The Drager Air Boss Evolution Plus was the runner-up in the selection. Drager was represented by W.S. Darley & Company of Melrose Park, Illinois. Scott Health & Safety (committee recommendation) was represented by MES-Global of Washington, Illinois.

The Scott NxG2 was the clear recommendation of the committee and represents the most advanced technology available at this time. The Scott support in the Chicagoland area is substantial. The Lombard Fire Department has used Scott in the past.

The following cost comparison is based upon the quantities given to both companies. All pricing allows quantity changes and is the delivered price. The Scott NxG2 was the low quote.

COST COMPARISON			
Qty.	Description	Scott	Drager
40	SCBA	\$129,626.40	\$152,580
40	Spare cylinders	(included)	(included)
40	Buddy-breathing hoses	(included)	\$10,466
40	CBRN upgrade	(included)	\$2,692
40	Nomex Hairnet Harness	(included)	\$3,200
31	Additional Face Pieces (*1)	\$4,672.63	\$5,840.40
31	Heads up display in mask (*1)	(NR)	\$5,797
31	Nomex Hairnet Harness (*1)	(included)	\$2,480
80	Voice amplifier communication brackets (*2)	\$1,030.40	(NR)
20	Voice amplifiers (*2)	\$4,683.60	\$6,040
1	Technician repair training	(included)	\$1,725
	Total	\$140,013.03	\$190,847.40

Additional small equipment, tools and change-out items will be required and those items will be purchased from operational lines as needed. We anticipate these costs to be between \$3,000 and \$6,000 dollars.

The Scott SCBA is warranted fully for one year. The vendor is also including one full year of any maintenance required as long as it is not due to abuse or neglect. The vendor is also including two fit tests for all employees and new hires over the warranty period. The fit test is required at initial implementation and at a minimum of once per year. This will allow us to postpone the purchase of the flow test stand and the fit test stand. In the FY 05/06 Budget the Fire Department will need to purchase a flow-test stand and fit test stand. Both units, software and tools are estimated at \$18,000.

The number of total SCBAs requested is 42 and is 10 air-packs less than what is currently owned by the department. This total will meet the demand on the department and produced a significant savings to the overall purchase of \$36,406.60. The reduction was necessitated by the Federal Fire Grant in their approval of our request and the reduction of one squad to the department.

We will be placing four (4) on each engine (16), four (4) on each truck (8), two (2) on each ambulance (10), two (2) on the squad (2), one (1) on the Battalion Chief vehicle (1) and one (1) on a Fire Inspector vehicle (1) and four (4) spares.

The department was approved in the FY 04/05 Budget that \$15,281 was needed to meet the shared requirement of 10% of the Federal fire Grant. An additional \$9,199 was budgeted for items not covered by the Grant. The funds budgeted will meet the requirements of the department to totally replace all of the SCBAs and associated equipment within the department.

The initial purchase of the replacement of our SCBA will be:

Qty.	Description	Unit	Grant	Village	Total
40	SCBA with 30 min. cylinders	\$3,240.66	\$129,626.40	0	\$129,626.40
40	Spare cylinders (30 min)	(included)	(included)	0	0
2	SCBA with 60 min. cylinders	\$3,240.66	\$6,481.32	0	\$6,481.32
2	60 min. cylinder spares	(included)	(included)	0	0
40	Additional face pieces	\$150.73	\$6,029.20	0	\$6,029.20
80	Communication brackets	\$12.88	\$1,030.40	0	\$1,030.40
20	Voice amplifiers	\$234.18	\$4,683.60	0	\$4,683.60
70	Canister Adapters	\$24.57	\$1,719.90	0	\$1,719.90
70	Face Piece Bags	\$13.00	\$910.00	0	\$910.00
1	RIT Pak II	\$1,055.17	\$1,055.17	0	\$1,055.17
4	Hard Carrying Cases	\$140.67	\$562.68	0	\$562.68
5	Soft Carrying Cases	\$63.84	\$319.20	0	\$319.20
15	Spectacle Kits	\$26.30	\$394.50	0	\$394.50
	<u>Grant Coverage</u>		<-\$0.37>	\$0.37	0
	Total		\$152,812	\$0.37	\$152,812.37

We also hope to sell our old equipment - all of which is still in service and have been upgraded for \$5,000 to \$10,000. To date only one offer has been received and that was for \$2,000. Our old equipment is near the end of its cylinder life span and is not current with today's standards. We are not holding out much hope of doing better than \$3,000 to \$4,000 if that. It is feasible that we may be able to purchase the fit test stand this year with the old equipment proceeds and some funds from our budget. We will endeavor to get the highest amount feasible for the old equipment.

We must complete delivery of the SCBAs prior to December 1, 2004 to satisfy the Grant requirements. Due to demand Scott is 90 calendar days on delivery from order. It is important that the purchase be approved at the August 19, 2004 Board of Trustees' Meeting.

Upon delivery of equipment, all firefighters will be trained on the new SCBAs. Following testing and training, we anticipate placing in service by February 2005.

I wish to bring to you and Board of Trustees' attention my appreciation of the Air Pack Committee led by Randy Deicke, Fire Lieutenant. The committee did an excellent job in bringing their recommendation forward. The committee consisted of the following individuals: Greg Feely, Fire Lieutenant, James Streu, Fire Lieutenant, Greg Orlando, Firefighter, Pete Davis, Firefighter, Bill Coley, Firefighter, Brad DelaTorre, Firefighter/Paramedic and Tim Moran, Firefighter/Paramedic.

The Fire Department as a whole tested the air packs and completed surveys. It was a long process that included much physical demand on the firefighters.

GES:lh