



Colchester Fire & EMS

52 Old Hartford Road Colchester, CT 06415

Phone (860) 537-2512 Fax (860) 531-9393

firedepartment@ColchesterCT.gov

2023 SCBA Replacement Plan

Justification:

- Current SCBA (2018) in service do not meet the NFPA 1981-2018 Edition
 - Lacking the technological advancements currently available
 - No Options for upgrades to bring to current standard
 - Nematic Data Logging for pack changes and situations that occur with the unit
 - Design does not ergonomics of long time use for firefighters
 - No rectus fitting for the buddy breather to the RIT pack
 - No high-pressure line in RIT pack to fill UAC for any type of air pack
 - Experiencing issues with the bottles holding air
- Previous RFP that was accepted resulted in legal ramifications for inability to meet requirements
- AVON (ISI) SCBA are no longer manufactured for the fire service
 - Support for parts, repairs and annual testing requirements will be next to follow
- Maintenance assistance lacking with current vendor
 - Vendor is slow to come out and complete repairs leading to increased down times.
- No interoperability with other departments in the area
 - No other FDs have AVON air packs in Connecticut
 - SCBA are not interoperable resulting in issues with providing assistance to other departments for RIT operations
 - Retrofitting for our RIT pack to be able to provide air to downed firefighters, not optimal but it created a workable solution to a problem in the interim
- SCBA are going out of service for repairs at increased intervals
 - SCBA are going out of service for HUD issues, Mask failures, damage to the back plate, broken O-rings, PASS Device Failures, etc



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- Limits SCBA available for firefighters at a IDLH and/or fire incident; currently only have 35

- Unable to purchase additional units for the new apparatus or for the staff officers. No way to expand out inventory if needed or replace if damaged.

Purchase Plan:

1. Create an itemized breakdown of SCBA and components needed for replacement
 - a. Include costs for each to obtain and overall cost to compile a final package
2. Investigate the selling of the current AVON SCBA packs to assist with offsetting the overall cost of the new package.
3. Present to the volunteer fire company and request a donation out of the Bendas Donation for purchase of a package.
4. Present to the Town and request a percentage of buy out or lease for purchase of a package.
5. Create an RFP for SCBA to be released once approval from the town or Research use of cooperative purchasing programs (HGAC or Sourcwell).
6. If applicable, Review of submitted bids for acceptance and/or exceptions needed.
7. Purchase of new SCBA with implementation to the department
 - a. Deliver Date, Training, maintenance, fit testing.

Cost Breakdown:

SCBA Air Packs (4.5 Air-Pak X3 Pro)

ET1	6	\$46,326	C28	1	\$7,721
ET2	6	\$46,326	C128	1	\$7,721
ET3	6	\$46,326	C228	1	\$7,721
ET4	6	\$46,326	C328	1	\$7,721
L1	6	\$46,326			
R1	7	\$54,047			
S2	2	\$15,442	TOTAL	43	\$332,003



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SCBA Bottles (30 Minute/30 Year Carbon Wrapped)

SCBA Bottles	100	\$75,900
TOTAL	100	\$75,900

SCBA Masks

Small	10	\$3,750
Medium	50	\$18,750
Large	10	\$3,750
TOTAL	70	\$26,250

SCBA RIT Packs & Parts

RIT-PAK III	2	\$7,950
60 Min Cylinder	3	\$4,692
TOTAL	5	\$12,642

SCBA Confined Space Packs

Ska-Pak AT Supplied Air Respirator	4	\$13,000
TOTAL	4	\$13,000

SEMS II Gateway

SEMS II, USB GATEWAY	3	\$6,564
TOTAL	3	\$6,564

OVERALL PROJECT TOTAL		\$466,359
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Financial Support:

Colchester Volunteer Fire Company Donation		\$150,000
CIP SCBA Replacement	2019-\$20,00/2020-2024 \$18.,000	\$74,000
TOTAL		\$224,000
MONEY NEEDED	Unassigned Fund Balance?	\$242,359
SCBA Replacement Total		\$466,359
3%-4% increased after December 31, 2023		3% = \$480,349.77 4% = \$485,013.36

Purchase/Leasing Options:

Direct Purchase Option	\$0 Interest	\$242,359 from Unassigned Fund Balance one-time payment
3-Year Lease to Own at 6% Annual Rate	\$40,000 Interest	\$121,500 per year through CIP
7-Year Lease to Own at 6% Annual Rate	\$81,000 Interest	\$58,000 per year through CIP