

**PROJECT: PERSONAL PROTECTIVE EQUIPMENT REPLACEMENT**

**DEPARTMENT:** Fire  
**PROJECT TITLE:** LFD Personal Protective Equipment Replacement  
**PURPOSE OF PROJECT REQUEST FORM:** NEW PROJECT: 5-year replacement cycle.  
**DEPARTMENT PRIORITY:** MANDATORY  
**LOCATION:** Lebanon Fire Department  
**DESCRIPTION / JUSTIFICATION:**

Personal Protective Clothing is the first line of defense used in the fire service to prevent injury to the fire fighter from such hazards as thermal burns, cuts, abrasions, and hazardous or toxic substances. Protective clothing is subjected to the worst conditions possible on any given incident, from smoke and heat to snow, rain, and the effects of ultra violet light from the sun. Through normal use personal protective clothing by NFPA Standards has a life span of ten (10) years of service before needing to be replaced. This does not account for special incidents that may occur that would render the service of the clothing useless during a single incident.

Per the Lebanon Firefighters collective bargaining agreement the City is required to provide each member with (2) full sets of PPE. As these have a life cycle of 10 year, we have developed a replacement plan in which each set of in service as a primary set for 5 years and a back-up set for 5 years and then disposed of. This cycle provides for personal safety and limits liability by not using PPE older than national standards allow. This will alleviate an "all at once" purchase of tens of thousands of dollars worth of personal protective clothing.

Personal Protective Clothing, (coat and trouser only) cost is estimated to be \$3,000 per set. This does not include helmets, protective hoods, gloves, or boots.

**FINANCIAL PLAN AND PROJECT SCHEDULE:**

		<u>Prior</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2017-2022</u>	<u>Total</u>
EXPENDITURES										
Property/Equipment Acquisition		\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$110,000	\$110,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$110,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$110,000</u>	<u>\$110,000</u>
FUNDING										
Capital Reserve Fund	Fire Department Equipment and Vehicles	\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$110,000	\$110,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$110,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$110,000</u>	<u>\$110,000</u>
FUNDING SUMMARY										
Capital Reserve Fund		\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$110,000	\$110,000
	<b>TOTAL</b>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$110,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$110,000</u>	<u>\$110,000</u>

**2017 - 2022 CAPITAL IMPROVEMENT PROGRAM**

**Lebanon, New Hampshire**

**PROJECT: PERSONAL PROTECTIVE EQUIPMENT REPLACEMENT**

	<u>Prior</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2017-2022</u>	<u>Total</u>
RESPONSIBLE FUND:									
General	\$0	\$0	\$0	\$110,000	\$0	\$0	\$0	\$110,000	\$110,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$110,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$110,000</b>	<b>\$110,000</b>
CAPITAL RESERVE FUNDS:									
Fire Department Equipment/Vehicles			<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>
Beginning Balance			\$170,695	\$80,695	\$110,695	\$230,695	\$360,695	\$345,695	\$445,695
Additions:			\$210,000	\$220,000	\$230,000	\$240,000	\$250,000	\$260,000	\$270,000
Withdrawals:			(\$300,000)						
2017-2022 CIP Radio Equipment			\$0	(\$100,000)	\$0	\$0	\$0	\$0	\$0
2017-2022 CIP Station Alerting System			\$0	\$0	(\$110,000)	\$0	\$0	\$0	\$0
2017-2022 CIP Staff Vehicle Replacements			\$0	(\$90,000)	\$0	\$0	\$0	\$0	\$0
2017-2022 CIP Ambulance Replacements			\$0	\$0	\$0	\$0	(\$265,000)	\$0	(\$290,000)
2017-2022 CIP Personal Protective Equipment Replacement			\$0	\$0	\$0	(\$110,000)	\$0	\$0	\$0
2017-2022 CIP Forestry Unit Acquisition			\$0	\$0	\$0	\$0	\$0	(\$100,000)	\$0
2017-2022 CIP F-350 Utility Vehicle Replacement			\$0	\$0	\$0	\$0	\$0	(\$60,000)	\$0
<b>Estimated Ending Balance</b>			<b>\$80,695</b>	<b>\$110,695</b>	<b>\$230,695</b>	<b>\$360,695</b>	<b>\$345,695</b>	<b>\$445,695</b>	<b>\$425,695</b>
Tax Rate Impact for Single Family Residence Valued for Tax Purposes at \$250,000			\$27.85	\$29.03	\$30.20	\$31.35	\$32.49	\$33.63	\$34.75

NOTE1: Excludes current year portfolio changes. NOTE2: New Hampshire law allows municipalities to raise and appropriate money to establish a capital reserve fund, reserve fund or trust fund; to finance in whole or in part capital improvements, including the acquisition of buildings, land and equipment, general property assessment update, tax maps and municipal and regional transportation improvements; for the maintenance and operation of a specific public facility or type of facility, a specific item or type of equipment; to establish municipal transportation improvement reserves; to create trust funds for the maintenance and operation of the city and any other public purpose that is not foreign to the city's institution or incompatible with the objects of its organization.