

# MILTON FIRE-RESCUE



2019-2024 Capital Improvement Plan

# CAPITAL OVERVIEW

- 2 Fire Stations
- 3 Engines
- 1 Ladder Truck
- 2 Ambulances
- 1 Forestry
- 2 Staff Vehicles
- 3 Sets of Extrication Tools
- 2 Thermal Imagers
- 2 Cardiac Monitors
- 20 SCBA
- 1 OHRV Rescue Unit
- 1 Rescue Boat



# FLEET SHEET

Town of Milton Fire-Rescue Fleet 2018								
Year	Type	ID#	Make/Model	Cycle	2018 Replacement Cost	ARC	Remaining Years	Proj. Replacement yr.
2004	Engine	3	HME/Ferrera	25	\$485,000.00	\$19,400.00	11	2029
1989	Engine	4	Hahn *	25	\$530,000.00	\$21,200.00	-4	2019
2013	Engine	6	Spartan/Toyne	25	\$485,000.00	\$19,400.00	20	2033
1984	Ladder	1	Mack**	25	\$150,000.00	\$6,000.00	-9	2021
2017	Car/Utility	2	Ford F-250	10	\$40,000.00	\$4,000.00	9	2027
2012	Forestry	1	Ford F-550	15	\$120,000.00	\$8,000.00	9	2027
2012	Car/Command	1	Chevy Tahoe	8	\$45,000.00	\$5,625.00	2	2020
2012	Ambulance	1	Ford E-450 Osage^	10	\$225,000.00	\$22,500.00	4	2022
2017	Ambulance	2	Ford F-550 Osage^	10	\$225,000.00	\$22,500.00	9	2027
2004	OHRV	1	Polaris Ranger	10	\$25,000.00	\$2,500.00	-4	2020
Total					\$2,330,000.00	\$131,125.00		

\*The 1989 Hahn will be replaced with a pumper/tanker this is the reasoning for the increased cost over the other 2 engines.

\*\* The Ladder Truck will be replaced with a quality used vehicle with 10-15 years of expected service to the town.

^Ambulances are funded via the ambulance revolving account.

# 2019-2024 PROPOSED PROJECTS

- 2019 Pumper/Tanker
  - Replacement of Engine 4
- 2019 20 SCBA
  - Replacement of Scott Air Paks
- 2020 Purchase of Command Vehicle
  - Replacement of Car 1
- 2021 Purchase Used Ladder Truck
  - Replacement of Mack Ladder Truck





# ENGINE 4

- 28 Year old 1989 Hahn Pumper  
Purchased used in 2003 from Ocean  
Side Long Island.
- Operates from Station 2 in the Mills
- 800 Gallons of water
- Recommended replacement 2019



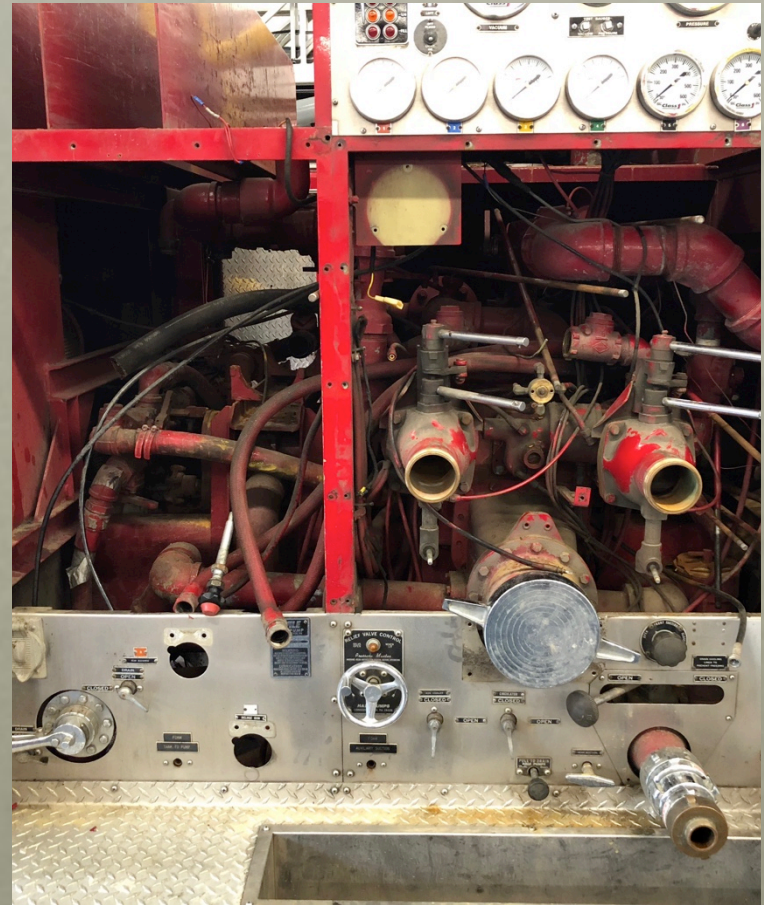
# 2019 PUMPER TANKER

- To be housed at Central Station
- Engine 3 to be relocated to Station 2
- Function as dual purpose pumper and tanker adding versatility to the fleet without adding apparatus
- 2000 gallon water tank
- Adds 1200 gallons of water or **8 minutes of firefighting**
- Will help with town's ISO rating which effects home owners insurance rates.
- Will provide added safety to the our firefighters by:
  - Updating to a vehicle with modern safety features and the newest NFPA compliance
  - Reducing the reliance of mutual aid departments
  - Reducing the risk of running out of water while fighting fires waiting for neighboring towns.



# 2018 WORK PERFORMED

- Vehicle out of service for 3 months
- \$2,700 in pump work completed.
- \$2,000 in pump work remains to be completed.









# EXAMPLES FROM OUR NEIGHBORS



# FINANCIALS

- Total Cost \$530,000
- To be leased over a period of 10 Years
- Final Payment of Engine 6 2018-\$41,000
- Lease Payment \$40,000 for 2 years then 73,000 for 8 additional years
- First payment due 2019



# LEASE COSTS



## FACTS SHEET

Overland Park, KS 66210-2420

[www.mlcfinance.com](http://www.mlcfinance.com)

800/333-4910 • 913/381-1900 • 913/381-0105 (Fax)

Attn: NICK MARIQUE Email: \_\_\_\_\_ # of pages: 1

For: TOWN OF MILTON, NH Equipment Cost: 530,000

Estimated Delivery: ? Down Payment / Trade in: -0-

Type of Equipment: ONE NEW PUMPER TANKER FIRE TRUCK MAY 11, 2018

AMOUNT FINANCED	TERM	MODE	PAYMENT AMOUNT	FIRST PAYMENT DUE	INTEREST RATE
<u>530,000</u>	<u>10 YEARS</u>	<u>ANNUAL</u>	<u>#1-2 = 40,000</u>	<u>ARREARS</u>	<u>3.89%</u>
<u>                    </u>	<u>                    </u>	<u>                    </u>	<u>#3-10 = 72,519</u>	<u>                    </u>	<u>                    </u>
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THERE ARE NO ADDITIONAL FEES and buyout at the end of the Lease is \$1.00. Rates are good for 30 days, pending mutually acceptable documentation and credit approval.

# SCBA

- 2005 Assistance to firefighter grant awarded for 20 SCBA
- SCBA has a maximum life span of 15 years
- FEMA considers them obsolete at 10 years
- Current NFPA standard is 2018 edition, our SCBA are the 2002 edition of the standard, 3 editions removed from the current safety standard.
- 2020 they will no longer be in-service
- Recommended replacement 2019





# SELF CONTAINED BREATHING APPARATUS

- Currently have 20 SCBA in service
  - NFPA requires 1 SCBA for every riding position on a firefighting vehicle with 6 riding positions per modern vehicle
- Utilized regularly
  - Building fires
  - Chimney fires
  - Car fires
  - Carbon monoxide incidents
  - Fire Alarm activations
  - Haz-mat incidents
  - Other unknown or toxic environments



# FINANCIALS

- \$7,000 per unit
  - Includes SCBA, 2 bottles and a mask.
- Cost for 20 SCBA- \$140,000
- Assistance to Firefighters Grant
  - Applied 2016 and 2017
  - 5% match required
  - \$10,000 at \$200,000
- Recommendations
  - Add funding to CRF 2019.
  - Continually apply for AFG.
  - Apply for USDA grant to fund 15% of project.





# TRUCK 1

- 33 Year old 1985 Mack aerial ladder truck purchased used from Somersworth NH in 2007
- Operates from Central Station
- 100' ladder with NO water or pump.
- Equipment
  - Back up extrication tools
  - Salvage and overhaul equipment
  - Haz-mat supplies
  - Additional ground ladders providing greater reach than those on the pumpers
- Recommended replacement- as soon as financially practical



# LADDER TRUCK/QUINT

- To be housed at Central Station
- Replaces Engine 5 (removed from service in 2009 for safety and space constraints) and Truck 1
- Function as dual purpose pumper and ladder adding versatility to the fleet without adding apparatus
- 500 gallon water tank
- Adds 500 gallons of water or **3.5 minutes of firefighting**
- Adds 4<sup>th</sup> pumper back to fleet ensuring adequate coverage even if a pumper is out of service.
- Adds pre piped water way to allow quick deployment of elevated master stream.
- 2016 failed annual test
- Out of service for 4 months
- Many parts are not available
- \$16,000 in maintenance 2016 and 2017
- Other needed repairs due to wear are estimated at \$15,000
- Will provide added safety to our firefighters by:
  - Updating to a vehicle with modern safety features and the newest NFPA compliance
  - Eliminate open cab seating
- Maintaining a ladder truck is required to maintain Milton's ISO rating which effects home owners insurance rates.



# WHY DOES MILTON NEED A QUINT?

- Aerial Operation
  - Chimney Fires
    - Farm houses often are not accessible via ground ladders
    - Safer from a aerial ladder
  - Rescues from 2 story or above
    - Many apartments in town are multi story
    - Raising 35' ladders are manpower intensive
  - Access to roofs during ventilation of attic spaces
    - Safer means to cut vent holes in roof
    - Prevents from falling off metal roofs
    - Prevents from falling through roofs weakened by fire
  - Gain access to multi-story flat roofs
    - Schools
    - Iron Mountain
    - Eastern Boats, and others
  - Elevated streams for large scale fires
    - Allows for fighting larger fires from a distance
    - Allows better angles for fighting larger fires
    - Allows for a larger volume of water to be placed at the seat of the fire
- Engine/Pumper Operations
  - Primary fire attack apparatus
  - Motor vehicle accidents
  - Alarm activations
  - Odor Investigations
  - Electrical Problems
- Carries large array of fire-rescue equipment
  - Extrication tools
  - Gas meters
  - Medical supplies
  - Extra ground ladders
  - Salvage and overhaul equipment
  - Variety of forcible entry equipment
  - Variety of saws: Cutters Edge, K12, Chain Saw
  - Haz-mat supplies



Paul Dolnier Photographer



# EXAMPLES FROM OUR NEIGHBORS





# FINANCIALS

- Replacement cost of used vehicle- \$150,000 for a vehicle 15 +/- years old.
- Replacement cost of new vehicle- \$750,000-\$850,000
- Assistance to Firefighters Grant
  - Applied 2016 and 2017
  - 5% match required
  - \$36,000 at \$725,000
- \$32,000 in Fire Department CRF should be left for grant match/future purchase
- Recommendations
  - When financially feasible add additional funding to CRF
  - Review mechanical status of current vehicle annually to determine replacement time
  - Continually apply for AFG
  - Consider purchase of used 10-15 year old Ladder Truck

# COMMAND CAR

- 2012 Chevy Tahoe operates as Car 1 utilized as Chief's vehicle and command vehicle.
- Purchased via a 50% match NH Homeland Security Grant in 2012
- Equipment
  - Vehicle repeater
  - Cross Band Repeater
  - I pad/hot spot
  - Multiple Radios utilized to monitor several frequencies
  - Command accountability board
  - SCBA
  - AED and medical Equipment
- Used Daily for department business and emergency response





# FINANCIALS

- \$45,000 to replace vehicle and equipment
- Grant funding not currently available
- Recommendation
  - Add \$15,000 per year 2018-2020 to FD CRF
  - Adjust final year for specific cost to be determined 2020

# ENGINE 3

- 13 Year old 2004 Pumper  
Purchased as a Demo in 2005
- Operates from Station 1 as the  
second due pumper
- 1000 Gallons of water
- Recommended replacement 2029





# FINANCIALS

- \$485,000 current replacement cost
- \$700,000 projected replacement cost
- Grant funding not currently available
- Recommendation
  - Add \$70,000 per year starting in 2022 to FD CRF
  - Adjust final year for specific cost to be determined 2029
  - Purchase with funding from CRF

# BIG PICTURE COST

Dept.	Project	PREVIOUS YEAR	CAPITAL YEAR REQUESTS		5 year planning period										Long-Range
		2018	2019	Class	2020	Class	2021	Class	2022	Class	2023	Class	2024	Project Totals	2024
FIRE	2019 Replacement of 20 Self-Contained Breathing Apparatus	\$ 50,000.00	\$65,000.00											\$ 115,000.00	
FIRE	2013 Pumper Engine 6	\$ 40,909.00												\$ 40,909.00	
FIRE	2029 Pumper Engine 3								\$ 70,000.00		\$ 70,000.00		\$ 70,000.00	\$ 210,000.00	\$ 80,000.00
FIRE	2019 Replacement of Engine 4 (Lease Payments)		\$ 40,000.00		\$ 40,000.00		\$ 73,000.00		\$ 73,000.00		\$ 73,000.00		\$ 73,000.00	\$ 372,000.00	\$ 73,000.00
FIRE	2021 Replacement of Truck 1(USED)	\$ -			\$ 55,000.00		\$ 70,000.00							\$ 125,000.00	
FIRE	2020 Replacement of Car 1	\$ 15,000.00	\$ 5,000.00		\$ 15,000.00									\$ 35,000.00	
FIRE	2017 Replacement of Portable Radios Lease	\$ 30,307.86	\$ 30,307.86	5	\$ 30,307.86									\$ 90,923.58	
FIRE	2016 Replacement of Fire Station	\$ 215,804.00	\$ 215,804.00	5	\$ 215,804.00		\$215,804.00		\$ 215,804.00		\$ 215,804.00		\$ 215,804.00	\$ 1,510,628.00	
FIRE	UTV with Fire/Rescue Skid and trailer	\$ -	\$ -											\$ -	
	Subtotal	\$352,020.86	\$356,111.86		\$356,111.86		\$358,804.00		\$358,804.00		\$358,804.00		\$ 358,804.00	\$2,499,460.58	\$ 153,000.00



# IN SUMMARY

- Continue Funding CRF in 2019 with \$70,000
  - \$65,000 for SCBA
  - \$5,000 for Car 1
  - \$0 for Truck 1
- Purchase pumper/tanker in 2019
  - \$530,000
  - Lease \$40,000 due 2019 and 2020 increased to \$73,000 in 2021
  - Replaces 28 year old pumper-30 upon replacement
- New Money Vs. Established
  - \$5,000 in new requests to enter CRF
  - Existing Lease of \$41,000 was completed in 2018
  - New Payment will be the same as existing payment until radio lease is paid.



**The members of Milton Fire-Rescue thank you for your consideration and support.**

