

LUNENBURG FIRE/RESCUE

FY'24 Capital Plan with overview
of FY'25-FY'32



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Overview

- FY'24
 - Replace Rescue 1 (2014 Ambulance)
 - Phase 1- Public Safety Radio Infrastructure Replacement
- FY'25
 - Replace Engine 2 Chassis (1989 GMC 4x4)
 - Phase 2 Public Safety Radio Infrastructure Replacement
- FY'26
 - Replace Car 2 (Fire Prevention/Duty Officer Vehicle)
- FY'27
 - Replace M1 (4x4 Utility Truck with Plow)
 - Replace Car 1 (Chief's Vehicle/Command unit)
 - Replace Squad 3 (Rescue Pumper)
- FY'28
 - Replace Rescue 2 (2019 Ambulance)
- FY'29- Nothing currently
- FY'30- Nothing currently
- FY'31- Nothing currently
- FY'32-
 - Replace Engine 5 (2003 4x4 Heavy Duty Brush Truck)

FY'24- Replace Rescue 1

\$506,000

- 2014
Navistar/Osage
- 85,485 miles
(11/22)
- 4525 Engine Hrs
(11/22)
- Currently Backup
unit



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Rescue 1 Replacement

- Originally planned for a 12 year life cycle
 - 12 years determined to be not feasible due to wear and tear and unanticipated maintenance costs
 - Increasing run volume and longer transports also taking a toll on chassis
- Current time from order to delivery on new unit is approximately 2 years

Rescue 1 Maintenance costs

- FY'16- \$1,531
- FY'17- \$500.50
- FY'18- \$4,990.57
- FY'19- \$1,423.38
- FY'20- \$10,939.89
- FY'21- \$4,088.14
- FY'22- \$200
- FY'23- \$1,140 (to date)

Rescue 1 Replacement

- Similar unit to Rescue 2 for interoperability and ease of training
- Est. 10 year lifespan



Rescue 1 Replacement

- Unit would be Primary Ambulance and Rescue 2 would rotate to Back up Ambulance
 - Current rotation is 5 years front line and 5 years back up. 10 year lifespan total
- Existing Rescue 1 (2014 unit) would rotate to replace current Water Rescue Truck (1998 ex ambulance)
 - Anticipate another 10+ year use from the truck in that role

Rescue 1 Replacement

- Submitted for replacement under ARPA Funding
- Pricing based on recent order of similar unit by nearby Department under State Bid Contract
- Price for purchasing in FY'24 increased by 10% based on industry projections

FY'24- Radio System Overhaul- Phase 1- \$242,510

- Replace outdated Radio Infrastructure
- Improve radio coverage in current “dead spots”
- Replaces equipment for one Agency

Radio System- Phase 1

- Was originally on Capital Plan a few years back
 - Town was looking at a forced migration to new Frequencies due to Federal mandate
 - Mandate repealed in 2020
- Had been discussion of Regional Radio system through Nashoba Valley dispatch
 - Clarified in new District Agreements that Towns are responsible for their own infrastructure
 - Section 6C(5)- Page 8

Radio system- Phase 1

- Received notification in 2022 that system components are considered obsolete by manufacturer and parts to be discontinued
 - Components date back to 2009-2010
 - Will make repairs to existing system increasingly difficult as system ages further

Radio System- Phase 1

- Replaces existing Transmitter/Repeaters
 - Sunnyhill Rd Water Tank
 - Backup Repeater @ Town Hall
- Converts existing “Receiver” sites to Transmit capable
 - Town Hall
 - Leominster (Monoosnuc Hill)
 - Leominster-Shirley Rd. (LWD Pump Station)
- Adds Transmitter/Repeater site
 - Chase Rd Water Tank

Radio system Phase 1

- This covers upgrades to one Agency only
 - ARPA Submission is to do both Agencies simultaneously (\$485,000)
 - Second Agency would be upgraded in FY'25
- Improves coverage in poor reception areas
- System is upgradable to add additional sites in the future
 - Still some coverage issues in NW and East End of Town

FY'25

- Replace Engine 2 chassis-\$126,500
- Retains existing Body and remounts on new Chassis
- Moved out a year due to higher priority items



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FY'25

- Radio System-Phase 2-
 - \$315,263
- Updates radio infrastructure for other Agency
- Price estimate is Phase 1+ 30% increase

FY'26

- Replace Car 2-
\$62,000
- Fire
Prevention/Duty
Officer vehicle
- At 10 year planned
replacement
- Mileage-77,275
(11/22)



FY'27

- Replace Car 1
 - \$103,950
- Replace M1
 - \$116,600
- Replace Squad 3
 - \$1,433,000
- All scheduled Replacements



FY'28

- Replace Rescue 2
 - \$615,047
 - Pricing based out from Rescue 1 Estimate in FY'24
- Planned Replacement at 10 year age
 - Would rotate to Primary Ambulance and R1 to back up



FY'32

- Replace Engine 5
 - \$949,300
- Heavy Duty Brush Truck/Pumper
- Originally obtained off AFG Grant
- At 30 years old



Questions?