

Submission #1

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Submitted by Anonymous (not verified)

September 2, 2021 - 9:39am

71.184.219.170

Department Name

Fire Department

Department Head Name

Steven Achilles

Department Head Title

Fire Chief

Fiscal Year Requested

FY23

Project Description

This project is the replacement of the department's 1998 and 2002 gas-powered hydraulic rescue tool sets with a single NFPA 1936 compliant battery-powered set. The 1998 rescue tool set is non-compliant and out of service. The 2002 set is four standards out of date and requires replacement. This project will be removed if the department is successful in an FY21 AFG award for same. Estimated date of notification by October 1, 2021.

Select how your project fits into one or more of the following conditions from the town's Capital Plan

- Imminent threat to the health and safety of citizens/property
- Preservation of operations
- Improvement in the efficiency and effectiveness of service delivery
- Supports community plan (i.e. Master Plan, Open Space and Recreation Plan)
- Results in lower operations and maintenance costs
- Scheduled replacement (i.e. motor vehicles, roofs, computers)

Why is the project being requested?

See additional files.

Estimated Useful Life (in years)

15

Amount Requested

40,000

Expected Funding Source

General Fund

What alternate funding sources have you pursued to offset any portion of the amount requested?

FY21 AFG Equipment Grant.

Describe and quantify any revenue that this project may create for the town or alternatively operating costs that may be reduced (if applicable)

None.

Estimated Annual Maintenance Cost of Project

200

Provide details of the expected timeline for implementation of this project, upon funding

Specification and selection on or before June 30, 2022. Purchase and delivery pending availability after July 1, 2022.

Please provide any supporting documentation that supports the amount requested including any available vendor quotes.[genesis_rescue_tool_pricing_20-21.pdf](#)**Please provide any additional files that you believe may be helpful with our review of this request**[hydraulic_rescue_tool_project_overview_for_public.pdf](#)**Date Submitted**

September 2, 2021

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CAPITAL PURCHASE REQUEST – HYDRAULIC RESCUE TOOLS

Project Description and Budget

The Department is seeking to receive favorable consideration for funding to replace two gas-powered hydraulic rescue tool sets with one NFPA 1936 compliant battery-powered set. For the purposes of this project a “set” is one (1) cutter, one (1) spreader (1), and one (1) ram. The department currently maintains an inventory of three sets of hydraulic rescue tools and one battery-operated combi-tool; one (1) 2015 set on the primary response engine, one (1) 2002 set on the primary aerial, one (1) 2015 combi-tool on the reserve engine, and one (1) out-of-service 1998 set. The project will replace the 1998 and 2002 gas-powered sets with a single battery-powered set.



Representation of Hydraulic Rescue Tool Set

This request is consistent with the department’s mission to “provide prompt and highly effective public safety and prevention services to our citizens, businesses and visitors” and the goal to “strengthen reliable delivery of essential emergency and non-emergency services”. The request will also support integrated time and performance objectives identified in the department’s 2020 Community Risk Analysis / Standard of Cover Report; specifically Emergency Medical Services and Special Rescue Incidents.

Operations and Safety Cost Benefit

NFPA 1936, Standard on Power Rescue Tools, was completed in 1999 and revised four (4) times since; the latest in 2020. This project is the replacement of both a non-compliant, unserviceable set and a set that is four (4) standards out of date. The distinct benefit to acquiring and maintaining compliant tools is the confidence the tools will operate safely as required by both their design and intended use, as well as working properly and reliably when placed under arduous conditions. This provides for not only the safety of all responding personnel, but the safe, timely, and efficient extrication of entrapped victims.



Operationally, this project will assist in mitigating areas of risk identified in the department's October 2020 Community Risk Analysis - Standard of Cover Report. The frequency and consequences of motor vehicle crashes continue to contribute to high and significant risk levels by occupancy (street/highway), geographic area (Interstates 495 and 90), and zoning districts (Interstates 495, 90 and MA Route 9).

With no impact on overhead or administrative costs, this project reduces inventory while improving services. Favorable consideration will have a positive impact on the department's ability to replace the hydraulic rescue tool and extrication equipment inventory in a timely fashion.

Statement of Effect on Operations

The Department strongly believes that any delay in the replacement of the hydraulic rescue tool and extrication equipment inventory will impact daily department operations. Another area affected is firefighter training. The department delivers regular company and department-wide training to maintain and support patient care, extrication, and overall hydraulic tool use competency. Over the last year we have experienced an increase frequency of mechanical issues following these training classes with the older sets of rescue tools; the 1998 set being placed permanently out-of-service. It is anticipated that the frequency and length of the 2002 set being taken out-of-service will increase, not only as a result of training exercises, but actual operational use. Lastly, failure to provide safe, reliable, and complaint hydraulic rescue tools and extrication equipment will decrease the organization's ability to effectively and reliably protect lives.

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Fire ⁽¹⁾

 Search for products

Genesis Rescue Systems Extrication Tools

Genesis Rescue Systems offers rescue personnel, military, and first responders full product lines of both battery hydraulics and conventional hydraulic systems. The eForce battery hydraulic gives users the ability to use commercially available Milwaukee Tool 28 volt battery. All of Genesis Rescue Systems equipment is manufactured in an ISO 9001:2015 certified facility in Dayton, Ohio. This certification is required by NFPA 1936:2015, compliance that keeps first responders and emergency personnel safe.

15 Products

Sort & Filter 

28V Milwaukee
batteries
60 \$60



(/Telescopic-Ram-eForce-2.0)

ART.107.834.2-EMC



\$11,330.00

Telescopic Ram EForce 2.0 (/Telescopic-Ram-EForce-2.0)



(/S53-Spreader-eForce-2.0)

ART.107.779.1-EMC



\$12,150.00

S53 Spreader EForce 2.0 (/S53-Spreader-EForce-2.0)



(/21-36-Ram-eForce-2.0)

ART.107.527.2-EMC



\$9,760.00

21" • 36" Ram EForce 2.0 (/21-36-Ram-EForce-2.0)



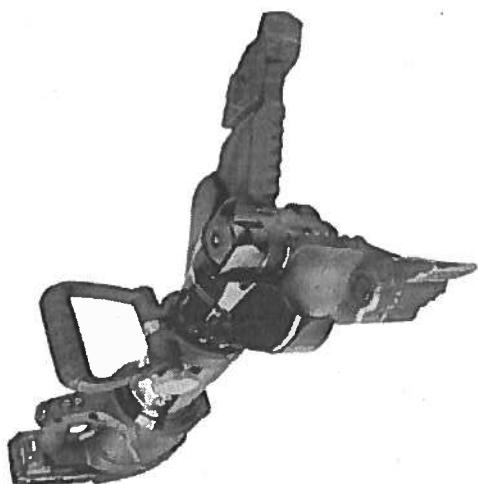
(/14c-Vario-eForce-2.0)

ART.107.445.8-EMC



\$11,535.00

14c Vario EForce 2.0 (/14c-Vario-EForce-2.0)



(/15c-eForce-2.0)

ART.107.767.6-EMC



\$11,840.00

15c EForce 2.0 (/15c-EForce-2.0)



(/11C-BM1-RIT-eForce-2.0)

ART.108.900.5-Tips-Included)

ART.108.290.0-EMC



\$11,535.00

11C-BM1-RIT EForce 2.0 (/ART.108.900.5 Tips Included) (/11C-BM1-RIT-EForce-2.0-ART.108.900.5-Tips-Included)



Included)

ART.550.100.0-EMC



(/11C-SL2-eForce-2.0-Static-Tips)

Tips)

ART.108.708.5-EMC



\$330.00

E-Torch (Battery Not Included) (/E-Torch-Battery-Not-Included)

\$10,915.00

11C-SL2 EForce 2.0 (Static Tips) (/11C-SL2-EForce-2.0-Static-Tips)



**(/11C-BM1-RIT-Door-Opening-
Claw-Tips-Sold-as-set)**

ART.108.900.5-EMC

★★★★★

\$825.00

**11C-BM1-RIT Door Opening Claw Tips (Sold As Set) (/11C-BM1-RIT-Door-
Opening-Claw-Tips-Sold-As-Set)**



(/31-Push-Pull-Ram)

ART.031.901.2-EMC

★★★★★

\$10,080.00

31" Push Pull Ram (/31-Push-Pull-Ram)



(/S44-E-Force-2.0)

ART.108.740.4-EMC
★★★★★

\$11,945.00

S44 E-Force 2.0 (S44-E-Force-2.0)



(C236-SL2-Nxtgen-Cutter-

eForce-2.0)

ART.108.778.1-EMC

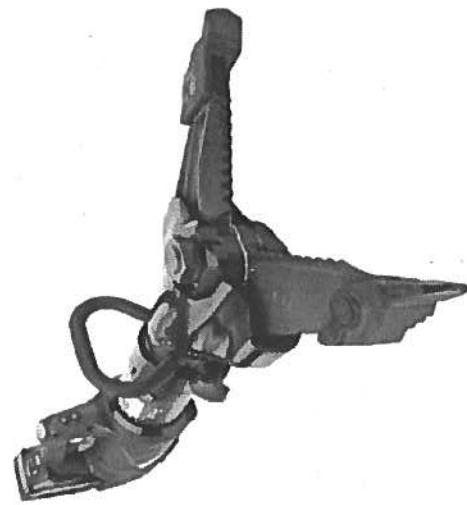


\$12,460.00

C236-SL2 Nxtgen Cutter EForce 2.0 (C236-SL2-Nxtgen-Cutter-EForce-2.0)



(C195-NXTGEN-eForce-2.0)



(17C-E-Force-Combi-Tool)

ART.108.234.3-EMC



\$12,150.00

C195 NXTGEN EForce 2.0 (/C195-NXTGEN-EForce-2.0)



(/C165-Cutter-eForce-2.0)

ART.107.202.6-EMC



\$11,635.00

C165 Cutter EForce 2.0 (/C165-Cutter-EForce-2.0)



\$12,050.00

17C E-Force Combi Tool (/17C-E-Force-Combi-Tool)



\$12,050.00

17C E-Force Combi Tool (/17C-E-Force-Combi-Tool)

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