

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST
FY26 SPRING ANNUAL TOWN MEETING**

Department: Fire 220	Priority #:	2
Project Title and Description: Replace and Equip 2007 Pumping Engine	Total Project Cost:	\$1,186,294.00

Department/Division Head: Chief Neil Foley

Check if project is: New ☒ Resubmitted ☐ **Cost estimate was developed:** Internally ☐ Externally ☒

For project re-submittals, list prior year(s):

List any funding sources and amounts already granted: _____

Basis of Estimated Costs (attach additional information if available)			If project has impact on 5 Year Plan and future operating budgets, insert estimated amounts.		
Capital:	Cost	Comments	Fiscal Year:	Capital	Operations & Maintenance
<i>Planning and Design</i>			FY27		
<i>Labor and Materials</i>			FY28		
<i>Administration</i>			FY29		
<i>Land Acquisition</i>			FY30		
<i>Equipment</i>	\$1,186,294.00		FY31		
<i>Other</i>					
<i>Contingency</i>					
Total Capital					

Project Justification and Objective: Current lead time are approaching 36 months for pumping engines. If ordered today we would not expect delivery until sometime in 2028.

In addition, price increases have maintained a minimum of 7 percent annually, and that trend is expected to continue

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan Yes ☐ No ☒
Can this project be phased over more than one fiscal year? Yes ☐ No ☒

For Capital Equipment Requests:

☒ Check if equipment requested is replacement and enter the year, make & model, VIN and present condition of existing equipment

2007 Pierce Contender 1250gpm Pumping Engine VIN# 1HTMKAZR77H504465 Good condition

What is the expected lifespan of this new/replacement equipment: 15+ years

Attach backup information, estimates, or justification to support this request.



Town of Plymouth
Fire Department
114 Sandwich Street
Plymouth, Massachusetts 02360
508-830-4213
Fax 508-830-4174

Date: October 9, 2024

To: Capital Improvement Committee

Cc: Lynne Barrett, Finance Director
Derek Brindisi, Town Manager
Silvio Genao, Asst. Town Manager
Sandra Strassel, Procurement Officer

From: Neil Foley, Chief of Department

Re: FY25 Capital Request

Fire Department Request Replace and Equip 2007 Pumping Engine (\$1,186,294.00)

Engine 10 is a 2007 Peirce Contender pumping Engine equipped with a 1000-gallon water tank, Class A foam capabilities, and a 1,250-gallon per minute fire pump. This apparatus has 93,227 odometer miles and 8,198 engine hours, calculating to 286,930 road miles. Massachusetts Registration MF 6165, VIN 1HTMKAZR97H504466.

Engine 10 has been a "Reserve" Engine for the last seven years after serving the Cedarville Village area for over ten years, before becoming a reserve engine. The Reserve pumpers play an extremely important role in the department's ability to maintain the in-service apparatus. After nearly 20 years of service, this engine has served our community well. However, it has reached the end of its serviceable life. High call volume and corrosion of vehicle components, caused by years of corrosive road treatments used in the northeast, have led to significant frame and mechanical failures. Repairing these issues requires excessive shop hours and operational funding.

These deficiencies are not a result of deferred maintenance. Our repair division meets or exceeds the maintenance standards outlined in the National Fire Protection Agency [NFPA 1901: Standard for Automotive Fire Apparatus](#). Our Chief Master Mechanic has rated this engine as fair to poor and suggests that it is likely that we will need to remove it from service before we see a replacement. This project aims to move the current 2011 Engine 1 at Headquarters, which was fully rehabbed in 2023, to reserve status, providing a reliable pumping engine to replace Engine 10, which will be permanently retired from service.

Just two years ago, a pumping engine took an average of 18 to 22 months to manufacture from the order date. The most recent estimate we received is that it will take three full years before we see delivery. Speaking with our Director of Finance, Lynne Barrett, this delay is operationally problematic for the department, but it does allow adequate time to plan for it from a fiscal aspect.

This engine has been on the 10-year capital plan for a replacement at this Spring Town Meeting. Any delays could likely result in increased repair costs and reduced reliability of the department's fleet. Life-safety equipment needs to be reliable.

This new pumping engine will be equipped with all current safety devices and meet all NFPA 1901 Standards.