

**TOWN OF PLYMOUTH CAPITAL IMPROVEMENT PLAN REQUEST
FY27 SPRING ANNUAL TOWN MEETING**

| | | |
|---|----------------------------|----------------|
| Department: Fire 220 | Priority #: | 1 |
| Project Title and Description: Replace and Equip 1999 Pumping Engine | Total Project Cost: | \$1,218,696.00 |

Department/Division Head:

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> | | | <i>FY28</i> | | |
| <i>Labor and Materials</i> | | | <i>FY29</i> | | |
| <i>Administration</i> | | | <i>FY30</i> | | |
| <i>Land Acquisition</i> | | | <i>FY31</i> | | |
| <i>Equipment</i> | \$1,160,663.00 | | <i>FY32</i> | | |
| <i>Other</i> | | | | | |
| <i>Contingency</i> | \$58,033.00 | 5% There is an expected price increase at the end of the year. | | | |
| Total Capital | \$1,218,696.00 | | | | |

Project Justification and Objective: This engine has been on the 10-year capital plan for a replacement at this Spring Town Meeting. Any delays

would likely result in increased repair costs and reduced reliability of the department's fleet due to historic delays in fire apparatus manufacturing.

For Capital Project Requests:

Will this project be phased over more than one fiscal year? If yes, enter it on the 5 Year Plan

Can this project be phased over more than one fiscal year?

Yes

No

Yes

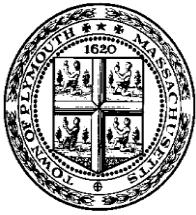
No

For Capital Equipment Requests:

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

What is the expected lifespan of this new/replacement equipment: 10 years Front-line Service 15-20 years as a Reserve Engine if rehabbed

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: September 23, 2025

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: FY27 Capital Request

Fire Department Request Replace and Equip 1999 Pumping Engine (\$1,218,696.00)

The Fire Department is requesting Town Meeting approval for funding in the amount of \$1,218,696 to replace Engine 8, a 1999 Pierce Arrow pumping engine. This engine has a 750-gallon water tank, Class A foam capabilities, and a 1,500-gallon-per-minute fire pump. Currently, it has 102,886 miles on the odometer and 12,008 engine hours, which is equivalent to approximately 420,280 road miles. Its Massachusetts registration number is MF 8185, and the VIN is 4P1CT02S0XA001387.

For the past 12 years, Engine 8 has served as a "Reserve" Engine after being in active service for over 14 years in North Plymouth. The town's reserve pumper are crucial for the department's ability to maintain operational readiness. While Engine 8 has provided valuable service to our community, it has now reached the end of its serviceable life. After exceeding 25 years of use, any major mechanical or structural failures will necessitate its permanent retirement from service.

Our Chief Master Mechanic has rated this engine as being in fair condition, suggesting that it may need to be taken out of service before a suitable replacement is available. The plan is to move the current 2013 Engine 7, which is stationed at North Plymouth and was fully rehabilitated in 2025, to reserve status, allowing us to replace Engine 8 with a reliable pumping engine.

Before 2020, the manufacturing time for a pumping engine typically ranged from 18 to 22 months. However, delays in fire truck manufacturing continue to be prevalent across the industry, with projected delivery time estimates extending to three full years from the order date. Moreover, our dealer has advised us that price increases are anticipated by early next year.

This delay presents operational challenges for the department; however, it also allows sufficient time for fiscal planning. Engine 8 has been included in the 10-year capital plan for replacement during this Spring Town Meeting and follows the town's apparatus replacement strategy. Any delays in this process would result in increased repair costs and diminished reliability of the department's fleet.

The new pump engine will be fitted with all current safety devices and will meet NFPA 1901 Standards.