

ENGINE #2 REPLACEMENT FY-20 CAPITAL

ENGINE #2 2000 MODEL YEAR EMERGENCY ONE PUMPER



Capital Planning Approval

- \$650,000 was approved by the Town Capital Planning Committee
- Approved to move forward as a Capital Exclusion
 - April 22nd election
 - Town Meeting approval 2/3 majority vote

REASONS FOR REPLACEMENT

- Reliability of first out Engine
- Engine #2 has been the first out apparatus on any fire incident for the last 19 years responding to every emergency call.
- Due to the age parts are becoming scarce and take additional time to source.
- Repairs are becoming more frequent and costly. There have been two major repairs this year to Engine #2.
 - Major pump rebuild at a cost of \$18,415.33 for this repair the Engine was out of service for over one month.
 - Engine: Intake manifold pressure sensor \$637.87 for this repair the Engine was out of service for one week.

SHIRLEY FIRE RESERVE ENGINE

- Both Engines #2 and #4 were out of service for a period of weeks this summer necessitating the borrowing of a reserve Engine Pumper from the Town of Shirley.
- Engine #2 does not have the safety features of the current version of an NFPA 1901 pumper specification.



REPLACEMENT VERSUS REHABILITATION

- Engine 2 was looked at by Greenwood Fire Apparatus as a candidate for refurbishment and due to age and condition was not recommended to be rehabbed.
- When Engine #4 was rehabbed it had only been the front line piece for 7 years and did not have the additional wear that Engine #2 has incurred.
- If Engine #2 were to be rehabbed it would necessitate the use of Engine #4 to be used as the first out apparatus on every call for approximately 6 to 10 months. Engine #4 was rehabbed four years ago adding many safety features but the major components; engine and transmission were not rebuilt at that time. Engine #4 is 26 years old and parts are becoming hard to source.

ONE YEAR TAX IMPACT

TOWN OF AYER FISCAL YEAR 2019 ESTIMATED TAX RATE IMPACT STUDY

Description	Residential Rate	CIP Rate	Res. Bill Increase	Com/ <u>Ind</u> Bill Increase
FY2019 Actual	\$13.63	\$28.80	\$20	-\$294
FY2019 + 100,000 <u>Add'l</u> Levy Increase	\$13.69	\$28.93	\$40	-\$258
Impact of Levy Increase	\$0.06	\$0.13	\$20	\$36
FY2019 + 650,000 <u>Add'l</u> Levy Increase	\$14.01	\$29.61	\$146	-\$71
Impact of Levy Increase	\$0.38	\$0.81	\$126	\$223
FY2019 Average Single Family Valuation	332,600			
FY2019 Median Com/ <u>Ind</u> Valuation	274,400			