



Engine 2 Replacement Proposal

Angleton Fire Department

History

In the 2019 budget proposal we presented our proposed truck replacement timeline...

2020/2021 Engine 4 & Ladder 1

2023/2024 Rescue 1

2025 Brush 2

2026 Brush 3 & Tanker 1

At this time, Engine 2 was not on the radar for replacement due to it's age.

History Ladder 1

2019

- Bond election was approved to purchase a new truck for the department.
- This new truck was to be a Quint, ladder/pumper engine.
- This truck effectively replace our two oldest trucks Engine 4 and Ladder 1
- Took possession of new Ladder 1 in 2021

Old Engine 4 & Ladder 1



New Ladder 1



History Engine 4

Late 2020

- Received notice of a grant to purchase a large wildland vehicle from Texas Forestry Service
- We have no need for a vehicle of this nature. An engine fit the description and was allowed.
- The association opted to use the grant and finance the remainder of the vehicle
- This engine was to replace our next oldest Engine, E3.
- Took possession in late 2021

Old Engine 3



New Engine 4



Engine 2

- 2009 Pierce Contender
- 33,000 miles & 3300 hours
- Ordered 2008, took possession in 2009
- Purchased with Texas Forestry Service Grant
- Foam & CAFS Capable
- 1000 gallons
- 1250 GPM
- Motor rebuilt in 2017
- Injector pump replaced 2019
- All injectors replaced 2022
- Increasing maintenance cost & downtime
- Not reliable, lack of confidence by firefighters
- Motor knocking, unsure of lifespan



Proposal & Benefit

Proposal

- Engine 1, 2013 Spartan, was due to pay off in 2024
 - City financed through Moody bank, paid with ESD funds
- Truck will be paid off 2 years early in 2022
- Propose to order a new Engine in 2022, to take delivery in 2023 Fiscal year
- Propose for the city to acquire a loan for the payment of this truck, estimate \$650k
- Payments to be made via ESD funds, same as what we already have budgeted
- Sell existing Engine 2, use proceeds to purchase any needed equipment

Benefits

- Replaces Engine 2 with no new costs to the city
- Reduces growing maintenance costs
- Reduces downtime and coverage from less capable apparatus
- Brings larger pump & water capacity in ALL city fire apparatuses
- Brings newer technology in ALL city fire apparatuses
- Eliminates the need to replace any engines for many years to come
- Increases engine confidence and puts a new apparatus in our central station 1 giving ALL 3 stations a new dependable apparatus
- Take advantage of continued rising material costs
- Take advantage of minimal equipment purchases
- Take advantage of trucks closely matching for firefighter response and operations



Future Apparatus Needs

- Add our 3 command units to the Enterprise lease program
 - Potential 2023
 - Replace Brush 2 & Brush 3
 - The association is currently looking into plans to trade in our old utility truck and purchase two new $\frac{3}{4}$ ton trucks using association funds and existing skid units. One truck will replace the utility, one truck will replace Brush 3 (truck with the most maintenance)
 - Brush 2 will be replaced at a later date with the utility unit
 - This should be no cost to the city
 - Replace Rescue 1
 - This truck is an aging truck but is not giving us any maintenance issues, at this time.
 - Replacement will strictly be due to age and mileage
 - Replacement will be needed within 3-5 years, estimated
 - Possible grant funded or insurance billing funded
-