



# Burleson Fire/EMS Apparatus Replacement Discussion

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May 1st, 2023

# Objectives

- Historical Background
- Current status
- Plan for success
- Present an action item for consideration



# Historically

## Engine

- 20 Year Lifespan
- Cost of engine purchased in 2019 \$780,000
- Delivery approximately 12 months from order



# Challenges and Causation

## Challenges

- We have experienced a rise in both frequency and length of Out-of-Service events

## Causation

- Burleson Fire/EMS has a significant increase in call volume
- Supply chain issues for parts
- Complexity of fire apparatus



# Same Engine Today

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## Engine

- \$1,025,981 per engine (32% increase since 2019)
- 26-27 month proposed delivery timeframe

# Staff Adjustments

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- Meetings with Finance, Public Works and CMO were conducted and mutually agreed upon that lifespan of our large apparatus trucks need to be moved from 20 years to 16
- Staff is unified with moving forward with an 8 year frontline/8 year reserve on large apparatus (16 year lifespan) in order to enhance continuous service of our primary trucks.







# Required Equipment

\$240,000 for Fire, EMS and radio equipment per engine.

- Hose
- Nozzles
- Rescue Tools
- Power Tools
- LUCAS Device
- Heart Monitor
- Radios
- Cradle Points & IPADs



Apparatus	20 Year Timeline	Proposed Timeline
Engine - 194	2027	August 2025-April 2026
Engine - 528	2029	August 2025-April 2026

# Replacement Timeline Adjustment

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## Cost/Savings

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### Two Engines and critical fire and EMS equipment

- Total not to exceed \$2,600,000
  - Opportunity for savings approx. \$223,000
    - EPA standards change in 2027 (\$70,000/engine - \$140,000 total)
    - Quarterly price increases (1.25% minimum, next one due Aug 1st)
- Funding for the trucks are not due at the time the order is placed.
  - Staff is completing a funding analysis to determine how the total funding will be appropriated and anticipates having this completed by the time fund presentations are provided to council.



# Summary

- Engines historically operated/funded on 20 year timeline
  - Staff recommends 8/8 16 year total
- Prices have been averaging 6% or higher annual increases
  - These are being assessed quarterly
- Longer lead times on orders
  - We are projecting 32-36 months
- Current reserves OOS more frequently and for longer periods
  - Apparatus more complex, parts difficult to source
- Move forward with apparatus as a project
  - Staff recommendation to ensure we have functional and serviceable equipment.





# Council Action Requested

## Option 1

- Approve an amount not to exceed \$2,600,000 for the purchase of two new Pierce Velocity Pumpers and required Fire, EMS, and radio equipment.

## Option 2

- Deny purchase of Pierce Velocity pumpers and required Fire, EMS and radio equipment.
- Staff's recommendation is approval of Option 1





# Conclusion

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QUESTIONS?