



# Fire Department Apparatus Replacement Presentation

# AGENDA

- Current Apparatus
  - Engines
  - Ladder
  - Patrol
- Replacement Apparatus
  - Ladder
  - Type 3
- Purchase breakdown
- Options

# TRUCK 171 (Front Line)

1986 E-One- 80-foot ladder with pump

- 35 years old
- Bought used in 2004 for \$115,000 from Pebble Beach Fire District at 18 years old.
- CFD has spent **\$119,934** in maintenance and repairs since 2004. Out of service for the majority of 2018 due to repairs.
- NFPA 1901 recommends:
  - 10 years of service for first out equipment
  - 15 years of service for reserve equipment
  - 25 years needs to be replaced



# ENGINE 171 (Front Line)

2009 Spartan/Smeal 1500 GPM Pumper

- 12 years old
- Bought brand new in 2009
- NFPA 1901 recommends:
  - 10 years of service for first out equipment
  - 15 years of service for reserve equipment
  - 25 years needs to be replaced



# ENGINE 371 (Reserve)

2007 KME/Predator 1500 GPM Pumper

- 14 years old
- Bought used in 2014 at an auction
- NFPA 1901 recommends:
  - 10 years of service for first out equipment
  - 15 years of service for reserve equipment
  - 25 years needs to be replaced



# PATROL 171 (Front Line)

2010 Ford F-450 4x4 Type 6

- 11 Years Old
- 180 GPM pump
- 300-gallon tank
- 10-gallon foam tank
- Custom built in 2010
- NFPA 1901 recommends:
  - 10 years of service for first out equipment
  - 15 years of service for reserve equipment
  - 25 years needs to be replaced



# TRUCK REPLACEMENT

## 2019 Spartan/Smeal 110' Rear Mount Ladder

- 2000 GPM pump (1500 current)
- 500-gallon water tank (300 current)
- 20-gallon foam tank (none current)
- Steel Ladder (aluminum current)
- 4 outriggers/Auto level for increased stability and safety (2 current)
- Cost Estimate
  - 897,020 Apparatus
  - 30,000 allocated for upgrades
  - 50,000 paint/stripping
  - 83,297 taxes/fees
  - 1,060,317 Total
- New Build- 1,400,000, take 365+ days
- This Demo- \$339,683 savings, take 90-120 days



# TYPE 3 PURCHASE

## 2021 Model 34 Type 3 CAL Fire Tag-on

- International 4x4
- 500 GPM pump (180 current)
- 500-gallon tank (300 current)
- 20-gallon foam tank (10 current)
- Cost estimate
  - \$297,744 Base price
  - \$13,000 Pre-construction/Final
  - \$27,822 Taxes
  - \$338,566 Total
- No upcharge for paint/stripping
- 90-120 Days



# TYPE 3 JUSTIFICATION

- Local response need in Coalinga and the outlining response area.
- Interoperability with CAL Fire.
- Type 3- most requested/initial response for state assignment.
- Reimbursement cost higher compared to Type 6.
- 4x4 with high clearance for remote access in our response area.
- Higher capacity water and foam tanks.
- More space for personnel and equipment.

Effective May 1, 2020	
Typing	Hourly
Type I	140.00
Type II	132.00
Type III	126.50
Type IV – VII	120.00
Water Tender Tactical I	119.50
Water Tender Tactical II	102.67

OES Strike Team Reimbursement calculator							
	Mineral	Hills	LNU	Creek	Zogg	Creek #2	Total
Personnel Reimbursement	\$ 11,915.59	\$ 15,348.37	\$ 16,408.20	\$ 71,570.52	\$ 22,199.00	\$ 35,691.98	\$ 173,133.66
Apparatus Reimbursement	\$ 16,240.00	\$ 1,840.00	\$ 2,100.00	\$ 40,320.00	\$ 13,560.00	\$ 2,100.00	\$ 76,160.00
Admin Fee	\$ 2,815.56	\$ 1,718.83	\$ 1,992.72	\$ 11,189.05	\$ 3,575.90	\$ 3,778.20	\$ 25,070.26
Total Reimbursement	\$ 30,971.15	\$ 18,907.20	\$ 20,500.92	\$ 123,079.57	\$ 39,334.90	\$ 41,570.18	\$ 274,363.92
OT Cost To Cover Shifts	\$ 7,817.04	\$ 6,420.24	\$ 13,930.56	\$ 57,555.06	\$ 18,917.16	\$ 28,933.73	\$ 133,573.79
						Net Revenue	\$ 140,790.13

OES Type 3 projections							
	Mineral	Hills	LNU	Creek	Zogg	Creek #2	Total
Personnel Reimbursement	\$ 11,915.59	\$ 15,348.37	\$ 16,408.20	\$ 71,570.52	\$ 22,199.00	\$ 35,691.98	\$ 173,133.66
Apparatus Reimbursement	\$ 14,168.00	\$ 14,168.00	\$ 28,336.00	\$ 42,504.00	\$ 16,192.00	\$ 28,336.00	\$ 143,704.00
Admin Fee	\$ 2,815.56	\$ 1,718.83	\$ 1,992.72	\$ 11,189.05	\$ 3,575.90	\$ 3,778.20	\$ 25,070.26
Total Reimbursement	\$ 28,899.15	\$ 31,235.20	\$ 46,736.92	\$ 125,263.57	\$ 41,966.90	\$ 67,806.18	\$ 341,907.92
OT Cost To Cover Shifts	\$ 7,817.04	\$ 6,420.24	\$ 13,930.56	\$ 57,555.06	\$ 18,917.16	\$ 28,933.73	\$ 133,573.79
						Net Revenue	\$ 208,334.13

# PURCHASE BREAKDOWN

- Option 1
  - Truck replacement- \$1,060,000 (Demo)
  - Type 3 Purchase- \$340,000
  - Equipment- \$150,000
  - Total= 1,550,000
    - ***Savings of \$340,000 over new build***
- Option 2
  - Truck Replacement- \$1,400,000 (New Build)
  - Type 3 purchase- \$340,000
  - Equipment- \$150,000
  - Total= \$1,890,000

## 10-year loan for Ladder Truck and Type 3

#1 would be \$140,000 a year budgeted 21-22

#2 would be \$174,000 a year budgeted 21-22

## 10-year loan for just Ladder Truck

#1 would be \$106,000 a year budgeted 21-22

#2 would be \$140,000 a year budgeted 21-22

# OPTIONS

- Purchase the demo ladder truck.
  - Authorize Fire Chief to sign purchase agreement.
  - Final inspection before taking delivery.
  - First payment due after delivery. 90-120 days.
- If the demo is sold, would need to start new build process.
- Purchase Type 3, Model 34 CAL Fire Tag-on.
- Sell current Ladder Truck at auction to help with cost.
- Postpone purchase of new Type 1 Engine until 22-23 fiscal year.