



Carson City Fire Department

Apparatus Purchase Proposal



Late Material
Meeting Date: 12/6/18
Item # 27b



Ladder Truck

- **Carson City has 40 + buildings over two stories in height and beyond the reach of our current ground ladders**
- **Carson City has over 300 one and two story buildings where we cannot access the roof with our current ground ladders**
- **CCFD currently relies on Mutual Aid from Douglas County or Reno for Aerial Ladder Trucks**
- **CCFD had an aerial ladder truck until 2011. That apparatus was taken out of service for mechanical and age issues.**
- **Truck has not been replaced**



Ladder Truck Functions

- Rescue of trapped civilians from upper stories
- Aerial fire suppression capabilities
- Firefighter access to upper stories and rooftops
- Technical Rescues





Apparatus Committee

- **Apparatus Committee comprised of Fleet Supervisor and Fire Department personnel representing all ranks**
- **Mission of the committee is to research, develop apparatus specifications, and recommend purchase of Fire Department apparatus**
- **Research includes operational capabilities, costs, maintenance, and projected longevity of apparatus**



Apparatus Committee

- **Committee researched numerous styles and models of Ladder Trucks including, Quints, Tower Ladders, Telescoping Ladders and Tractor Drawn Ladder Trucks**
- **Research also included operations, maneuverability, costs, projected maintenance, and expected life span of each apparatus**
- **Committee members made multiple trips to a Pierce Dealership in Sacramento to evaluate in person the different types of trucks**
- **Committee also visited or contacted several other fire departments about the aerial ladder trucks they utilize**



Apparatus Committee Recommendation

- After extensive research committee recommended the purchase of a Tractor Drawn Aerial Truck (TDA)
- Specifications include a 70 Gallon Compressed Air Foam System capable of extinguishing vehicle fires, dumpster/trash fires, and various other small fires.
- The TDA has a better turning radius and maneuverability than other ladder trucks
- More compartments & storage space



Tractor Drawn Aerial





Location & Staffing

- **If approved, the new ladder truck will be located at Fire Station 52**
- **The truck will be cross-staffed with existing personnel**
- **No additional staffing is proposed for the purchase of the truck**
- **Estimated service life on new ladder truck is 20 years**



Purchase Details

- Ladder Truck price before discounts **\$1,316,381**
- Fire Engine price before discounts **\$631,550**
- Price discounts for multiple apparatus purchase and payment upon purchase = **\$94,090**
- Total purchase price for the fire engine and truck **\$1,853,041.22**



Recommendation

- **To approve the purchase of one new Type 1 Fire Engine and one new Tractor Drawn Aerial Apparatus (Ladder Truck) for the Carson City Fire Department, utilizing cooperative purchasing contract No. FS12-17 with H-GAC Buy for a not to exceed amount of \$1,853,041.22.**