

Responses to Council Questions and Comments

10/21/2024

Item #3: Resolution Authorizing the Purchase of a Pierce Enforcer Type 1 Fire Engine with Lithium Battery System and Idle Reduction Technology from Golden State Fire Apparatus through Sourcewell Cooperative Purchasing Program and Authorizing the City Manager to Execute all Documents Necessary to Complete the Purchase

- **Question:** Lithium batteries have a reputation for catch fire. Does this new technology have enough experience to have confidence that the engine will not burn down the fire house? What mitigations need to be made?
 - **Response:** When lithium-ion batteries fail, it is often due to physical damage or improper charging. This technology, specifically in this fire engine, has been in use for several years, and is in the fire engine we purchased several years ago, which was placed into service in 2023. [Idle Reduction Technology | Pierce Mfg](#)

Gas/diesel vehicles and equipment, as well as all-electric and hybrid vehicles can catch fire. As a part of facility upgrades, fire notification and suppression/sprinkler systems are planned to be added to fire stations, including the apparatus bays. The first fire station that will receive this upgrade is the D Street fire station during its seismic upgrade and remodel planned to start in early/mid 2025.