

Proposal to Purchase Battery Powered Extrication Equipment

Issue

Currently the extrication equipment that we have is tethered to the apparatus with hydraulic hoses or we need to move a hydraulic pump and lines to the location of the incident. The issue with this is the portable pumps only a lot for so much hose before they start losing power to cut and spread. In addition to this it takes time to haul the pump, lines and equipment from the rescue out to a remote location. Our plan has been to purchase one set of battery powered rescue tools and ensure their feasibility and allow for additional capabilities. We did this a couple years ago and they work as expected. With that being said, we knew at that time we would need to replace the backup set of tools as well to bring them to the same level of what we already have.

Proposal

Purchase Battery Powered Extrication Equipment

Approval is being sought for the purchase of battery powered extrication equipment at this time. The older extrication equipment that we have and are using as a backup are coming of age and the plan has been to trade them out a couple years after we purchased the initial set.

Rationale

The impact that the first set of extrication equipment made for our operations, speed of deployment and functionality has been unmatched. This proposal is for a backup set of that equipment so if something fails on a scene we can seamlessly transition. We have always had a fail-safe set of tools on our rescue apparatus and what we have now is not capable of what the set we upgraded to can do. All the equipment in this quote are designed to cut/spread with a minimum of 3 times the design of our current equipment. The prices below all reflect battery powered equipment. The battery equipment is lighter, more portable, and time efficient compared to what we currently use. The battery tools could be transferred easily to multiple trucks if our rescue were to need to be taken out of service for any reason as well.

Cost

Total costs will be no more than \$35,000.

We obtained information from three extrication companies and all were similar in price. They ranged from 29,000 to 37,000. We chose the \$35,000 quote for several reasons. This is the AMKUS quote of which is the extrication brand that we currently use. Along with this, the other two manufacturers required that you purchase batteries from them as they are proprietary and much more expensive than the batteries for AMKUS. They run off of a DEWALT battery of which we can purchase at a hardware store locally and not have to wait on shipment.

The quote consisted of a ram, a cutter and a spreader. It also included a charger bank and batteries.

Summary

By implementing the above equipment, it will allow us the opportunity to address extrication scenes quicker and more efficiently. In addition to that it will provide the ability to address specialty rescues and new car technologies. By showing that we have continued to use and maintain the other equipment we have for 22 years it shows the level of care we take with this equipment and the new items will serve us for years to come.