

# Agenda Item Report



**Winnebago County**  
*The Wave of the Future*

DATE: May 10, 2022

FROM: Sheriff John Matz

RE: Donation of one Fire TKO- Fire Suppression tool

## **General Description:**

The Oshkosh Chapter of the Wisconsin Free Masons will be donating one Fire TKO- Fire Suppression Tool. The unit being donated to the Sheriff's Office is valued at \$1041.00

## **Action Requested:**

Motion to approve a resolution accepting the donation of one Fire TKO- Fire Suppression Tool.

## **Procedural Steps:**

(Show each level of committee and board approval needed, with meeting dates.)

Committee of Jurisdiction: Judiciary\_\_\_\_\_ Meeting date: 5/18/22

Action taken: \_\_\_\_\_ Vote: \_\_\_\_\_

Other Committee: Personnel and Finance\_\_\_\_\_ Meeting date: \_\_\_\_\_

Action taken: \_\_\_\_\_ Vote: \_\_\_\_\_

County Board Meeting date: \_\_\_\_\_

## **Background:**

The Fire Technology Knockout, Fire Suppression Tool (known as the Fire TKO FST) is a self-contained proprietary piece of equipment to aid in fire suppression. These devices have value in smaller enclosed spaces to extinguish a fire, such as an information systems closet, a jail pod, a Comm Center, and within a vehicle. Simply put, the FST buys time for fire suppression crews.

The Sheriff's Office already owns 11 of these units, and they are permanently mounted in strategic locations throughout the building, as well as in key high use vehicles. They operate similar to a common fire extinguisher, but are tossed into an enclosed space rather than having to be manually operated like a common fire extinguisher. While we have never had the need to use one of the devices, there is no doubt they will be one of the first pieces of equipment reached for if there is ever a fire in our building.

The Oshkosh Chapter of the Wisconsin Free Masons is donating one Fire TKO to each of the following: the Winnebago County Sheriff's Office, the Oshkosh Police Department, and the Oshkosh Fire Department, who fully supports this product and their use. The Fire TKO unit being donated to the Sheriff's Office is valued at \$1,041.

**Policy Discussion:**

As a result of many studies than indicated many fire suppression substances delete the ozone layer, this product was created and uses a different chemical compound that is designed to replace the use of Halon in the fire protection industry. Aerosol fire suppression is recognized as one of the most effective and simple solutions in protecting enclosed areas such as electrical substations, transformers, switchboards, generator rooms, stores, machinery and equipment, engine compartments of vessels and automotive vehicles as well as many other risks from fires and associated damages.

This product is a self-contained unit that contains a condensed aerosol-based fire suppression system that suppresses and, in some cases, extinguishes fires in seconds. It is 6 to 10 times more effective than Halon 1301.

The extinguishing principle of condensed aerosol technology is unique, a special solid chemical when activated produces an aerosol which is the extinguishing medium itself. The extinguishing medium is not stored in a cylinder under pressure, it is produced in "REAL TIME" only when required. The aerosol is a mixture of gases and micron-sized solids compressed in block possessing gas-like distribution properties and long holding times. It does not remove oxygen, does not utilize super cooling gasses, is non-corrosive, is non-conductive, and is not harmful to the atmosphere.

This product boasts a reduction in water usage versus traditional suppression; quicker knockdowns equal reductions in the emission of environmental pollutants from burning; quicker, earlier knockdowns assists in the preservation of structural integrity; quicker, earlier knockdowns can preserve fire scenes for investigations of cause, origins, criminal activity; quicker knockdowns, less water usage, less fire, less smoke can significantly reduce insurance claims.

**Attachments:**

-Resolution