

The following is the approved equipment and supplies used by the department listed by category as identified in Government Code 7070.

Unmanned Aerial Systems (Category 1)

a. Description

The Skydio X2E is an unmanned aerial system (UAS), is commercial grade, commonly used by construction and utility companies for the inspection of buildings, powerlines, windmills, and other infrastructure. The West Valley College Unmanned Aerial Technology Certification Program uses this type of UAS to prepare, train and certify students, to enter the Unmanned Aircraft Technology field.

b. Quantity

- One - Skydio X2E UAS (Existing equipment)
- Four - Skydio 2 UAS (Existing equipment)

c. Capabilities

The Skydio X2E is a battery powered, remote operated device. Controller: Skydio Enterprise Controller with 6.8-inch integrated screen. Controller allows operators to control UAV and view live feed from UAS-mounted cameras. The Skydio X2E has 360-degree environmental coverage, and omnidirectional avoidance coverage. Camera: Sony IMX577 camera with dual RGB and FLIR capabilities. Camera provides operators with the ability to switch between standard RGB camera and views based on heat of objects within frame. Flight time of approximately 35 minutes per battery, depending on weather and flight conditions. The UAS has also proven to be useful to public safety agencies in firefighting, search and rescue, pre-operational surveillance, and other tactical situations where aerial views enhance the safety and efficiency of law enforcement, fire personnel, and the public.

d. Purpose

Use of these systems by WVMPD is secondary to their primary educational mission, except in the case of life safety events. The UAS will be deployed by WVMPD when its use would assist officers or incident commanders with overall situational awareness in varying situations, which include but are not limited to:

- i. de-escalating a situation
- ii. collision investigations
- iii. search for missing persons.
- iv. natural disaster management
- v. crime scene photography
- vi. tactical or other public safety and life preservation missions.
- vii. In response to specific requests from local, state, or federal fire authorities for fire response and/or prevention.

e. Authorized Use

Only assigned operators who have completed the required training shall be permitted to operate the Skydio X2E during approved activities. All other applicable WVMPD policies remain in effect, to include, but not limited to: Policy 322 -Search and Seizure, Policy 332 - Missing Persons, Policy 406 -Crime and Disaster Scene Integrity.

f. Expected Lifespan

The Skydio X2E has an estimated expected lifespan of approximately 5-7 years.

g. Fiscal Impact

The Skydio X2E as configured originally cost 14,499.00 per unit. Currently there is no direct cost to the department. These systems are purchased by the district and primarily used as part of the West Valley College Unmanned Aerial Technology Program. Unless the UAS is damaged in flight, there is no known annual maintenance cost.

Specialized Firearms and Ammunition (Equipment Category 10)

a. Description

The Carbine Rifle is a standard issue firearm for sworn members of the department. It can stop an armed subject at various distances and with far greater accuracy than the standard issue sidearm. The Carbine Rifle is a lightweight, air-cooled, gas operated, magazine fed, shoulder fired weapon, designed for semi-automatic fire. The .223/5.56 cartridge is used in the Carbine Rifle and designed to stop a deadly threat /violent encounter.

b. Quantity

- Five - Colt AR-15/M4 Carbine Rifles (Existing Equipment)
- Four - Bushmaster XM-15 Carbine Rifles (Existing Equipment)
- 6000 Rounds - Winchester USA223R1K and W223K cartridges, .223/5.56 caliber, .55 gr. This is the primary training ammunition used by the department for this firearm. (Purchased FY23/24)
- 2000 Rounds - Winchester RA223RY cartridges, .223/5.56 caliber, .55 gr. This is the primary duty ammunition used by the department for this firearm. (Purchased FY 23/24)

Note: Other ammunition manufacturers and types of ammunition, including those with different ballistic characteristics may be selected and used by the department based upon availability, evaluation and or recommendation.

c. Purpose

Carbine Rifles are more accurate than a handgun. They are intended to be used to address a significant threat over distance with greater precision.

d. Authorized Use

Only sworn members of the department who are POST certified in the use of a Carbine Rifle and have met department qualification standards are authorized to use it. All other applicable

WVMPD policies remain in effect, to include, but not limited to; Policies 300 – Use of Force, 304 – Shooting Policy, 312 – Firearms.

e. Expected Lifespan

The lifespan of the carbine rifle is determined by the overall use over time. It is regularly serviced, and parts replaced as necessary. The lifespan of the carbine's barrel is approximately 20,000 rounds fired.

Kinetic Energy Weapons and Munitions (Equipment Category 14)

a. Description

The purpose of this device (Mossberg 12GA shotgun) is to deliver a small fabric pillow that is filled with No. 9 lead shot weighing about 1.4 ounces (Munition). The munition is expelled at about 250 to 300 feet per second. It spreads out in flight and distributes its impact over one square inch of the target. The munition is designed to deliver a blow that will cause minimum long-term trauma and no penetration to the body (Less lethal).

b. Quantity

Six – Mosberg 590A1 12 Gauge pump-action shotgun – Less Lethal Orange Over Molded Shotgun stocks w/ Orange fore-end (Existing Equipment)
400 rounds CTS 2581 12GA Less Lethal Impact Rounds (Purchased FY 23/24)

c. Purpose

Kinetic Energy Weapons and munitions are a control device that is intended to be used to restrain or arrest a subject who is violent or demonstrates the intent to be violent.

d. Authorized Used

Only sworn members of the department who have been certified in the use of Kinetic Energy Weapons and Munitions and have met the department qualification standards are authorized to use it. All other applicable WVMPD policies remain in effect, to include, but not limited to; Policies 300 – Use of Force, Policy 308 – Control Devices and Techniques.

e. Expected Lifespan

The lifespan of the Mossberg 590A1 shotgun is determined by the overall use over time. It is regularly serviced, and parts replaced as necessary.