

EL MONTE POLICE DEPARTMENT
MILITARY EQUIPMENT INVENTORY
ATTACHMENT TO POLICT 706

UNMANNED, REMOTELY PILOTED, POWERED AERIAL OR GROUND VEHICLE (CATEGORY 1)

1. RoboteX Avatar II robot - 1

- a) Description and Capabilities: The RoboteX Avatar II is a light weight and easily portable, ground surveillance, tracked robot. It is battery powered and remotely operated with a hand controller.
- b) Purpose: Allows police officers to safely gather crucial visual and audio information of a search area and immediate threats before entering. The compact design allows inspection of otherwise inaccessible locations. This robot has the capability of delivering items such as a phone for negotiations.
- c) Authorized Use: Only assigned operators who have completed the required Department training are permitted to use the robots during a live operation. These robots will be used solely for law enforcement activities.
- d) Expected Lifespan: 5-10 years.
- e) Fiscal Impact: Initial purchase cost \$27,898.
- f) Training: All robot operators must complete initial and recurring Department training to operate the robots during live operations.
- g) Legal and Procedural Rules: The use of unmanned, remotely piloted, powered ground vehicles potentially involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to all applicable Federal, State and local privacy laws and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy.

2. Sky Hero Loki MK2 Drones (w/ 3 ground controllers) – 1

- a) Description and Capabilities: The Sky Hero Loki MK 2 is a remotely piloted, aerial surveillance drone. Each unmanned aircraft system (UAS) is flown using a single controller. The MK2 drone is designed primarily for indoor use and works in ultra-low light conditions.
- b) Purpose: Allows police officers to safely gather crucial information of a search area and any potential immediate threats before initiating a search. Aerial drones may be used to locate lost/missing persons and dangerous suspects, depict crime scenes and collision investigations, and assist in disaster management.
- c) Authorized Use: Only operators who possess the required license(s) and have completed the training on UAS are permitted to use the drones during a live operation. These drones will be used solely for law enforcement purposes.
- d) Expected Lifespan: 5-10 years.
- e) Fiscal Impact: Initial purchase cost, \$18,371
- f) Training: Prior to piloting any UAS/Drone, staff members must secure an FAA Remote Pilot License and complete all training required by our FAA COA.
- g) Legal and Procedural Rules: Any use of an aerial drone will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations. The use of the UAS potentially involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to FAA altitude regulations and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy.

3. DJI Inspire 1 aerial drone – 1

- a) Description and Capabilities: The DJI Inspire UAS is a remotely piloted, quadcopter aerial surveillance drone. It has GPS functionality and is capable of transmitting HD video from 2 kilometers away.
- b) Purpose: Allows police officers to safely gather crucial information of a search area and any potential immediate threats before initiating a search. Aerial drones may be used to locate lost/missing persons and dangerous suspects, depict crime scenes and collision investigations, and assist in disaster management.
- c) Authorized Use: Only operators who possess the required license(s) and have completed the training on UAS are permitted to use the drones during a live operation. These drones will be used solely for law enforcement purposes.
- d) Expected Lifespan: 5-10 years.
- e) Fiscal Impact: Initial purchase cost, \$4503.
- f) Training: Prior to piloting any UAS/Drone, staff members must secure an FAA Remote Pilot License and complete all training required by our FAA COA.
- g) Legal and Procedural Rules: Any use of an aerial drone will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations. The use of the UAS potentially involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to FAA altitude regulations and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy.

4. Autel EVO II DUAL 640T Enterprise aerial drone – 2 (sought)

- a) Description and Capabilities: The EVO II UAS is a remotely piloted, unmanned aircraft system (UAS) used for surveillance. This drone has a high flight speed and can transmit data from several miles. The ultra-HD camera allows for live video feed and has multiple color thermal imaging.
- b) Purpose: Allows police officers to safely gather crucial information of a search area and any potential immediate threats before initiating a search. Aerial drones may be used to locate lost/missing persons and dangerous suspects, depict crime scenes and collision investigations, and assist in disaster management.
- c) Authorized Use: Only operators who possess the required license(s) and have completed the training on UAS are permitted to use the drones during a live operation. These drones will be used solely for law enforcement purposes.
- d) Expected Lifespan: 5-10 years.
- e) Fiscal Impact: Initial purchase cost, \$13,494 each (including all needed accessories)
- f) Training: Prior to piloting any UAS/Drone, staff members must secure an FAA Remote Pilot License and complete all training required by our FAA COA.
- g) Legal and Procedural Rules: Any use of an aerial drone will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations. The use of the UAS potentially involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to FAA altitude regulations and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy.

ARMORED PERSONNEL CARRIERS (CATEGORY 2)

1. 2016 Lenco BearCat Armored Response Vehicle (ARV) – 1
 - a) Description and Capabilities: Ford F550, 4WD, diesel chassis. The vehicle is painted black with police logos. It provides ballistic protection for its occupants. It is equipped with emergency lights/siren and a public address system.
 - b) Purpose: The ARV is designed to provide ballistic protection during tactical events. BearCat's primary use being to transport tactical officers to and from hostile situations, rescues, and to assist with the evacuation and protection of civilians in harm's way during high-risk situations.
 - c) Authorized Use: Only operators who have the required license(s) and have demonstrated the ability to safely operate the vehicle shall drive the vehicle. The ARV will only be used for law enforcement purposes.
 - d) Expected Lifespan: 20 years
 - e) Fiscal Impact: Initial purchase cost, \$257,818. Annual maintenance, approximately \$500.
 - f) Training: This ARV may be used by personnel who have been properly trained in the safe handling and care of the vehicle.
 - g) Legal and Procedural Rules: The driver of this vehicle shall possess a valid California driver's license and adhere to California state law regarding its operation.

COMMAND AND CONTROL VEHICLES (CATEGORY 5)

1. 2019 E-350 Ford Transit Van – 1
 - a) Description and Capabilities: Painted black and outfitted with emergency lights/siren. This one-ton, diesel truck carries two passengers in addition to transporting SWAT equipment. The inside of the van has been retrofit to securely store and transport specialized equipment and weaponry.
 - b) Purpose: Used to transport personnel and to securely store SWAT deployment and tactical call-out response equipment.
 - c) Authorized Use: Only operators who have the required license(s) and have demonstrated the ability to safely operate the vehicle shall drive the vehicle.
 - d) Expected Lifespan: 20 years
 - e) Fiscal Impact: Initial purchase cost, \$46,161. Annual maintenance, approximately \$200.
 - f) Training: This van may be used by personnel who have been properly trained in the safe handling of the vehicle
 - g) Legal and Procedural Rules: The driver of this vehicle shall possess a valid California driver's license and adhere to California state law regarding its operation.
2. 2005 GMC 4500 Top Kick Crew Cab truck – 1
 - a) Description and Capabilities: Stripped heavy-duty chassis with a large built-out cargo box. Painted black with police graphics and outfitted with emergency lights/siren. This diesel truck has four doors and is capable of transporting five people in addition to transporting SWAT equipment.
 - b) Purpose: Used to transport personnel and to securely store SWAT deployment and tactical call-out response gear.
 - c) Authorized Use: Only operators who have the required license(s) and have demonstrated the ability to safely operate the vehicle shall drive the vehicle. The truck will only be used for law enforcement purposes.
 - d) Expected Lifespan: 20 years
 - e) Fiscal Impact: The truck was acquired through asset forfeiture, \$25,000 was spent to retrofit the cargo area to accommodate SWAT training and deployment gear. Annual maintenance, approximately \$300.

- f) Training: This equipment truck used by staff who have been properly trained in the safe handling of the vehicle. The driver of the vehicle shall have a valid California driver's license.
 - g) Legal and Procedural Rules: The driver of this vehicle shall possess a valid California driver's license and adhere to California state law regarding its operation.
3. Universal Trailers, 26' box trailer – 1
- a) Description and Capabilities: 26' x 8', double-axle box trailer. It is white colored with police logos. The trailer has been retrofit with a pedestrian door, two desk areas, boom spotlight and police radio. There is a divided area used to securely store and transport traffic safety equipment.
 - b) Purpose: The trailer is used as a command center for traffic safety operations, investigations and educational events. The trailer is also designed to store and transport traffic safety equipment.
 - c) Authorized Use: Employees with a California Driver's License and have demonstrated the ability to safely tow like trailers may transport this trailer.
 - d) Expected Lifespan: 20 years.
 - e) Fiscal Impact: This trailer was acquired with money reimbursed by a California Officer of Traffic Safety grant.
 - f) Training: None
 - g) Legal and Procedural Rules: The driver of this vehicle shall possess a valid California driver's license and adhere to California state law regarding its operation.

**BATTERING RAMS, SLUGS, AND BREACHING APPARATUSES THAT ARE EXPLOSIVE
IN NATURE (CATEGORY 7)**

1. Blaze Defense Systems, exothermic breachpens - 84
- a) Description and Capabilities: Hand-held tool that produces a chemical reaction, creating heat to provide emergency cutting and breaching capabilities.
 - b) Purpose: Thermodynamic breaching tools are used to gain entry through a fortified barrier, reducing the time needed for officers to safely gain access.
 - c) Authorized Use: Breaching may only occur when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises.
 - d) Expected Lifespan: Until used.
 - e) Fiscal Impact: Initial purchase cost, \$55 each.
 - f) Training: Authorized users must complete a CA POST certified Breaching course in addition to continued department training.
 - g) Legal and Procedural Rules: Breaching apparatus shall be used in accordance with Federal and State law.
2. Remington 870 shotguns (modified for breaching) – 2
- a) Description and Capabilities: 12-gauge, pump action shotgun, modified with a 10-inch barrel, pistol grip handle and a ported muzzle. A "stand-off" attachment is added to the muzzle of the firearm to allow direct contact with the barrier.
 - b) Purpose: To safely gain entry into a secured structure. These weapons are designed specifically to disengage door handles, locks and hinges while limiting the ammunitions penetration passed the barrier.
 - c) Authorized Use: Breaching shotguns may only be used after approval by the Incident Commander or SWAT Commander in the field.
 - d) Expected Lifespan: The Remington 870 shotgun does not have an expiration and will need to be serviced or replaced when it fails or breaks.
 - e) Fiscal Impact: Initial purchase cost, \$500 each.

- f) Training: Authorized users must complete a CA POST certified Breaching course in addition to continued department training.
 - g) Legal and Procedural Rules: Breaching apparatus shall be used in accordance with Federal and State law.
3. Royal Arms, Clayvon (375 gr.) 12ga. frangible breaching rounds - 25
- a) Description and Capabilities: 2 ¾", 375 grain, 12ga. shotgun slug designed to defeat door locks, hinges, and cross-bolts.
 - b) Purpose: This breaching ammunition is designed specifically to disengage door handles, locks and hinges while limiting the ammunition's penetration passed the barrier.
 - c) Authorized Use: Breaching shotguns may only be used after approval by the Incident Commander or SWAT Commander in the field.
 - d) Expected Lifespan: Until used.
 - e) Fiscal Impact: Initial cost, \$5 each
 - f) Training: Authorized users must complete a CA POST certified Breaching course in addition to continued department training
 - g) Legal and Procedural Rules: Breaching ammunition shall be used in accordance with Federal and State law.

SPECIALIZED FIREARMS AND AMMUNITION OF LESS THAN .50 CALIBER (CATEGORY 9)

1. Sig Sauer MCX 5.56 caliber rifles – 20
- a) Description and Capabilities: The carbine rifle is a lightweight, air-cooled, gas piston, magazine fed, shoulder fired weapon, designed for fully-automatic and semi-automatic fire. This MCX rifle weighs approximately 6 pounds, has an 11½" steel barrel, with an overall length of 29". It comes with a foldable stock and has a magazine capacity of 30 rounds.
 - b) Purpose: The MCX rifle is used by trained SWAT members during tactical deployments. The cartridge ammunition can penetrate barriers and soft body armor and provides for greater precision from long distance.
 - c) Authorized Use: The MCX rifle is used by trained members of the SWAT team during live operations and training.
 - d) Expected Lifespan: The MCX rifle does not have an expiration and will need to be serviced or replaced when it fails or breaks
 - e) Fiscal Impact: Initial purchase cost, \$1333.50 each.
 - f) Training: Authorized users must successfully complete a CA POST certified 24-hour Rifle course as well as regular department firearms training and qualifications as required by law and policy.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force
2. Sig Sauer MPX 9mm submachine gun – 2
- a) Description and Capabilities: The carbine rifle is a lightweight, air-cooled, gas piston, magazine fed, shoulder fired weapon, designed for fully automatic and semi-automatic fire. This MPX rifle weighs approximately 5 pounds, has a 4 ½" steel barrel, with an overall length of 22 ¼". It comes with a foldable stock and has a magazine capacity of 30 rounds.
 - b) Purpose: The MPX rifle is used by trained SWAT members during tactical deployments. This compact rifle is used by designated members of the SWAT team to allow for increased mobility in confined spaces.
 - c) Authorized Use: The MPX rifle is used by trained members of the SWAT team during live operations and training.

- d) Expected Lifespan: The MPX rifle does not have an expiration and will need to be serviced or replaced when it fails or breaks.
- e) Fiscal Impact: Initial purchase cost, \$1290.43 each.
- f) Training: Authorized users must successfully complete a CA POST certified Rifle course as well as regular department firearms training and qualifications as required by law and policy.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force

3. Colt AR-15/M4 5.56 caliber rifles – 37

- a) Description and Capabilities: The carbine rifle is a lightweight, air-cooled, gas piston, magazine fed, shoulder fired weapon, designed for semi-automatic fire. This AR-15/M4 is used by law enforcement throughout the United States. The rifle comes in various configurations weighs approximately 6 ½ pounds and has a 16” steel barrel. The overall length varies between 29 ¾” and 33”. It has a collapsible stock and has a magazine capacity of 30 rounds.
- b) Purpose: This rifle is used in potentially lethal situation. It is capable of shooting through soft body armor and barriers and to provide better precision from longer distance.
- c) Authorized Use: The Colt AR-15/M4 Carbine is authorized to be carried by all trained officers regardless of assignment. In addition to rifles owned by the El Monte Police Department, select officers are allowed to use personally owned AR-15/M4 rifles while on patrol. Officers who use their personally owned rifles must adhere to all the qualifications for authorized use and must present their rifles to a department armorer for inspection.
- d) Expected Lifespan: The AR-15/M4 rifle does not have an expiration and will need to be serviced or replaced when it fails or breaks.
- e) Fiscal Impact: Initial purchase cost, \$1000-\$1200 each.
- f) Training: Authorized users must successfully complete a CA POST certified Rifle course as well as regular department firearms training and qualifications as required by policy.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

4. Tactical Operations Delta 51, .308 caliber rifle – 5

- a) Description and Capabilities: Remington 700 bolt action precision, scoped rifle. The Delta 51 is used by SWAT snipers throughout the United States. It has an 18’ barrel, bipod support brace and weighs approximately 11 pounds.
- b) Purpose: The SWAT team’s sniper element deploys with these extreme precision rifles, which enables the stopping of an armed subject, in potentially high-collateral situations, at a long distance. It is capable of shooting through body armor and barriers.
- c) Authorized Use: For use by SWAT Snipers.
- d) Expected Lifespan: The Tango 51 rifle does not have an expiration and will need to be serviced or replaced when it fails or breaks.
- e) Fiscal Impact: Initial purchase cost, \$9825 each
- f) Training: Authorized users must successfully complete a CA POST certified Sniper course as well as regular department firearms training and qualifications as required by policy.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

5. Falkor Defense Alpha .308 caliber rifle – 4

- a) Description and Capabilities: Semi-automatic precision rifle built on an AR-10 platform. This scoped rifle has a 10 round capacity and weighs approximately 11 pounds. It has a 22” barrel 42.5” overall length.

- b) Purpose: The SWAT team's sniper element deploys with these extreme precision rifles, which enables the stopping of an armed subject, in potentially high-collateral situations, at a long distance. It is capable of shooting through body armor and barriers.
 - c) Authorized Use: For use by SWAT Snipers.
 - d) Expected Lifespan: The Alpha rifle does not have an expiration and will need to be serviced or replaced when it fails or breaks.
 - e) Fiscal Impact: Initial purchase cost, \$3037.50 each.
 - f) Training: Authorized users must successfully complete a CA POST certified Sniper course as well as regular department firearms training and qualifications as required by policy.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.
6. Federal .308 caliber BTHP ammunition (168 grain) – approximately 2000 rounds
- a) Description and Capabilities: Boat-tail, hollow-point precision ammunition for use with either the Tactical Operations Tango or Falkor Defense Alpha rifles.
 - b) Purpose: Cartridge ammunition deployed during potentially lethal situations is designed to stop violent suspects. Used only by members of our SWAT team's sniper element, this ammunition is capable of shooting through soft body armor and barriers and to provide better precision from longer distance.
 - c) Authorized Use: Ammunition designed for use with the Tactical Operations Delta 51 and Falkor Defense Alpha sniper rifles.
 - d) Expected Lifespan: Until used.
 - e) Fiscal Impact: Initial purchase cost, approximately \$950 per 1000 rounds.
 - f) Training: Authorized users must successfully complete a CA POST certified Sniper course as well as regular department firearms training and qualifications as required by policy.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.
7. Federal Premium .308 caliber Tactical Bonded Tip ammunition (168 grain) – approximately 200 rounds
- a) Description and Capabilities: Bonded tip precision ammunition for use with either the Tactical Operations Tango or Falkor Defense Alpha rifles.
 - b) Purpose: Cartridge ammunition made exclusively for law enforcement, designed to defeat barriers with minimum deflection and fragmentation. This ammunition, deployed during potentially lethal situations is designed to stop violent suspects. Used only by members of our SWAT team's sniper element, it provides better precision from longer distance.
 - c) Authorized Use: Ammunition designed for use with the Tactical Operations Delta 51 and Falkor Defense Alpha sniper rifles. Authorized users must successfully complete a CA POST sniper course and recurring department qualifications
 - d) Expected Lifespan: Until used.
 - e) Fiscal Impact: Initial purchase cost, approximately \$700.
 - f) Training: Authorized users must successfully complete a CA POST certified Sniper course as well as regular department firearms training and qualifications as required by policy.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

8. Federal Premium .223 Rem. ammunition (62 grain) – approximately 5000 rounds
 - a) Description and Capabilities: Boat-tail, full metal jacket duty ammunition for use with Sig Sauer MCX and AR-15/M4 style rifles.
 - b) Purpose: Cartridge ammunition deployed during potentially lethal situations is designed to stop violent suspects. This ammunition is capable of shooting through soft body armor and barriers and to provide better precision from longer distance.
 - c) Authorized Use: Ammunition designed for use with the Sig Sauer MCX and Colt AR-15/M4 style rifles. Authorized users must successfully complete a CA POST Rifle course and recurring department qualifications.
 - d) Expected Lifespan: Until used.
 - e) Fiscal Impact: Initial purchase cost, approximately \$710 per 1000 rounds.
 - f) Training: Authorized users must successfully complete a CA POST certified Patrol Rifle course as well as regular department firearms training and qualifications as required by policy.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

9. Winchester, “USA White Box” 5.56 ammunition (55 grain) – approximately 15,000 rounds
 - a) Description and Capabilities: Boat-tail, full metal jacket training ammunition for use with Sig Sauer MCX and AR-15/M4 style rifles.
 - b) Purpose: Cartridge ammunition used for training.
 - c) Authorized Use: Ammunition designed for use with the Sig Sauer MCX and Colt AR-15/M4 style rifle. This ammunition is typically used by sworn personnel during rifle training and regular rifle qualifications.
 - d) Expected Lifespan: Until used.
 - e) Fiscal Impact: Initial purchase cost, approximately \$411 per 1000 rounds
 - f) Training: This ammunition is used to complete the CA POST certified Patrol Rifle course as well as regular department firearms training and qualifications as required by policy.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

‘FLASHBANG’ GRANADES AND EXPLOSIVE BREACHING TOOLS, TEAR GAS AND PEPPER BALLS (CATEGORY 12)

1. Defense Technology Flashbang (25) grenades, w/15 gram reloads – 51
 - a) Description and Capabilities: A Noise Flash Diversionary Devices (NFDD) is a device that creates a bright flash and loud sound to temporarily divert the attention of subjects in the immediate area.
 - b) Purpose: NFDD are used to distract and temporarily incapacitate (6 to 8 seconds) dangerous suspects by overwhelming their senses of vision and hearing. The physiological/psychological distraction allows officers to seize a moment of opportunity to take control of high-risk situations.
 - c) Authorized Use: For use in situations such as a barricaded suspects, hostage situations, high-risk warrant service, or any life-threatening situation. Flashbang grenades may be used when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises
 - d) Expected Lifespan: 5 years
 - e) Fiscal Impact: Initial purchase cost, \$45 each.
 - f) Training: Authorized users must have completed a CA POST certified SWAT course and have received recurring department training.
 - g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

2. Defense Technology, Stinger (1090) rubber ball grenades – 20

- a) Description and Capabilities: A Noise Diversionary Devices (NDD) is a device that creates a loud sound to temporarily divert the attention of subjects in the immediate area. The 1090 grenade will additionally project .32 caliber rubber balls within a 50-foot radius.
- b) Purpose: NDD are used to distract and temporarily incapacitate (6 to 8 seconds) dangerous suspects by overwhelming their sense of hearing. The physiological/psychological distraction allows officers to seize a moment of opportunity to take control of high-risk situations.
- c) Authorized Use: For use in situations such as a barricaded suspects, hostage situations, high-risk warrant service, or any life-threatening situation. Flashbang grenades may be used when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises
- d) Expected Lifespan: 5 years
- e) Fiscal Impact: Initial purchase cost, \$40 each
- f) Training: Authorized users must have completed a POST certified SWAT course and have received recurring department training.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force, crowd control, etc.

3. Defense Technology, Stinger (1089SC), rubber ball and O/C dispersion grenade – 25

- a) Description and Capabilities: A Noise Flash Diversionary Devices (NDD) is a device that creates a loud sound to temporarily divert the attention of subjects in the immediate area. The 1089SC grenade additionally disperses .32 caliber rubber balls within a 50' radius and OC (Oleoresin Capsicum) irritant powder.
- b) Purpose: NDD are used to distract and temporarily incapacitate (6 to 8 seconds) dangerous suspects by overwhelming their sense of hearing. The rubber ball and OC dispersion grenade is a compact, non-pyrotechnic, chemical agent device that provides safe expulsion without risk of fire. It is safe to use inside of a residence and provides additional distraction. The physiological/psychological distraction allows officers to seize a moment of opportunity to take control of high-risk situations.
- c) Authorized Use: For use in situations such as a barricaded suspects, hostage situations, high-risk warrant service, or any life-threatening situation. Flashbang grenades may be used when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises
- d) Expected Lifespan: 5 years.
- e) Fiscal Impact: Initial purchase cost, \$43 each.
- f) Training: Authorized users must successfully complete a CA POST certified Basic SWAT course as well as regular department training and qualifications as required by law and policy.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force, crowd control, etc.

4. Defense Technology, Stinger (1088SC), rubber ball and CS gas dispersion grenade – 8

- a) Description and Capabilities: A Noise Flash Diversionary Devices (NDD) is a device that creates a loud sound to temporarily divert the attention of subjects in the immediate area. The 1089SC grenade additionally disperses .32 caliber rubber balls within a 50' radius and CS (2-Chlorobenzylidenemalononitrile) irritant powder.
- b) Purpose: NFDD are used to distract and temporarily incapacitate (6 to 8 seconds) dangerous suspects by overwhelming their sense of hearing. The rubber ball and CS dispersion grenade is a compact, non-pyrotechnic, chemical agent device that provides safe expulsion without risk of fire. It is safe to use inside of a residence and provides additional distraction. The physiological/psychological distraction allows officers to seize a moment of opportunity to take control of high-risk situations.

- c) Authorized Use: For use in situations such as a barricaded suspects, hostage situations, high-risk warrant service, or any life-threatening situation. Flashbang grenades may be used when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises. Flashbang grenades may be used when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises
- d) Expected Lifespan: 5 years.
- e) Fiscal Impact: Initial purchase cost, \$45 each.
- f) Training: Authorized users must successfully complete a CA POST certified Basic SWAT course as well as regular department training and qualifications as required by law and policy.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force, crowd control, etc.

5. Chemical Agents

- a) Description and Capabilities: CS (2-Chlorobenzylidenemalononitrile) is an irritating agent and lachrymator (irritates the eyes and causes tears to flow). OC (Oleoresin Capsicum) is an inflammatory agent which causes involuntary closure of eyes and respiratory inflammation. These chemical agents are delivered by 37/40mm launcher or by hand. 37mm/40mm rounds are used to penetrate barriers, such as windows, hollow core doors, wallboard and thin plywood. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle. The OC/CS grenades are primarily designed for indoor use or in confined areas. Once deployed, the grenade will deliver its active agent to identify or extract barricaded suspects through temporary pain compliance.
 - i. Defense Technologies Ferret 40mm Liquid Penetrator Round, CS (2262) – 25
 - ii. Defense Technologies Ferret 37mm Liquid Penetrator Round, CS (1162) – 25
 - iii. Defense Technologies OC aerosol grenade (1056) – 10
 - iv. Defense Technologies flameless tri-chambered CS grenade (1032) – 25
- b) Purpose: Chemical agents, which are commonly referred to as “tear gas,” are used as a non-lethal tool to disperse rioting suspects and to clear areas of barricaded suspects. CS (2-Chlorobenzylidenemalononitrile) and OC (Oleoresin Capsicum) are used by law enforcement throughout the United States.
- c) Authorized Use: Chemical agents may be used for crowd control, crowd dispersal, or against barricaded suspects based on the circumstances. Chemical agents may be used when authorized users receive approval by the Incident Commander or SWAT Commander in the field, and during training exercises.
- d) Expected Lifespan: 5 years.
- e) Fiscal Impact: Initial purchase cost, \$25 - \$45 each.
- f) Training: Only Authorized users who have completed a CA POST certified Chemical Agents course and regular department training are authorized to use.
- g) Legal and Procedural Rules: Chemical agents can only be deployed in accordance with all applicable State, Federal and Local laws governing police use of force, crowd control, etc.

PROJECTILE LAUNCH PLATFORMS AND THEIR ASSOCIATED MUNITIONS. (40MM PROJECTILES, 'BEAN BAG', RUBBER BULLETS AND SPECIALTY IMPACT MUNITIONS (SIM) (CATEGORY 14)

1. Penn Arms 40mm pump-action multi-launcher - 3

- a) Description and Capabilities: The Penn Arms Launcher is spring-advance drum launcher with a rifled barrel and 5' cylinder. The multi-chambered launcher can shoot up to six 40MM chemical agent cartridges up to 25 yards and sponge baton munitions without reloading.
- b) Purpose: The 40mm launcher is a less lethal system that uses smokeless powder to deliver projectiles from a safe distance. The kinetic energy (sponge) munitions are intended for use as a less than lethal force option designed to de-escalate a potentially violent encounter, decreasing the chances of a direct attack. These launchers also safely deliver gas cartridges from a distance.
- c) Authorized Use: The 37/40mm Launchers and Kinetic Energy Munitions are intended for use as a less lethal use of force option and to deploy chemical agents from a distance.
- d) Expected Lifespan: Less-lethal launcher does not have an expiration and will need to be serviced or replaced when the launcher fails or breaks.
- e) Fiscal Impact: Initial purchase cost, approximately \$3000 each.
- f) Training: Authorized users must receive CA POST certified department 40mm training, as well as regular training and qualifications as required by policy to use this launcher with impact munitions. If used to deliver chemical agents, officers must additionally complete a CA POST certified Chemical Agents course along with regular department training.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force and use of chemical agents.

2. Penn Arms 40mm single-launcher – 5

- a) Description and Capabilities: The Penn Arms Launcher is a less lethal system that uses smokeless powder to deliver 40MM projectiles from a safe distance. The single-launcher can launch 40MM gas cartridges up to 25 yards and sponge baton munitions.
- b) Purpose: The 40mm launchers and kinetic energy (sponge) munitions are intended for use as a less than lethal force option designed to de-escalate a potentially violent encounter, decreasing the chances of a direct attack. These launchers also safely deliver gas cartridges from a distance.
- c) Authorized Use: The 37/40mm Launchers and Kinetic Energy Munitions are intended for use as a less lethal use of force option and to deploy chemical agents from a distance.
- d) Expected Lifespan: Less-Lethal launcher does not have an expiration and will need to be serviced or replaced when the launcher fails or breaks.
- e) Fiscal Impact: Initial purchase cost, \$800 - \$1000 each.
- f) Training: Authorized users must complete a department certified 40mm course, as well as regular training and qualifications as required by policy to use this launcher with impact munitions. If used to deliver chemical agents, officers must additionally complete a POST certified Chemical Agents course along with regular department training.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force and use of chemical agents.

3. Sage Control Ordinance 37mm multi-launcher – 1

- a) Description and Capabilities: The Sage multi-launcher is a less lethal system that uses smokeless powder to deliver 37MM projectiles from a safe distance. It has the capacity to hold and launch six cartridges without reloading. The multi-chambered launcher can launch gas cartridges up to 25 yards and sponge baton munitions.
- b) Purpose: The 37mm launchers and kinetic energy (sponge) munitions are intended for use as a less than lethal force option designed to de-escalate a potentially violent

encounter, decreasing the chances of a direct attack. These launchers also safely deliver gas cartridges from a distance.

- c) Authorized Use: The 37/40mm Launchers and Kinetic Energy Munitions are intended for use as a less lethal use of force option and to deploy chemical agents from a distance.
- d) Expected Lifespan: Less-Lethal launcher does not have an expiration and will need to be serviced or replaced when the launcher fails or breaks.
- e) Fiscal Impact: Initial purchase cost, \$2500.
- f) Training: Authorized users must complete CA POST certified department 40mm training, as well as regular training and qualifications as required by policy to use this launcher with impact munitions. If used to deliver chemical agents, officers must additionally complete a CA POST certified Chemical Agents course along with regular department training.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force and use of chemical agents.

4. Defense Technology 37 mm single launcher – 1

- a) Description and Capabilities: The Sage single launcher is a less lethal system that uses smokeless powder to deliver 37MM projectiles from a safe distance. The launcher can launch gas cartridges up to 25 yards and sponge baton munitions.
- b) Purpose: The 37mm launchers and kinetic energy (sponge) munitions are intended for use as a less than lethal force option designed to de-escalate a potentially violent encounter, decreasing the chances of a direct attack. These launchers also safely deliver gas cartridges from a distance.
- c) Authorized Use: The 37/40mm Launchers and Kinetic Energy Munitions are intended for use as a less lethal use of force option and to deploy chemical agents from a distance.
- d) Expected Lifespan: Less-Lethal launcher does not have an expiration and will need to be serviced or replaced when the launcher fails or breaks.
- e) Fiscal Impact: Initial purchase cost, \$850.
- f) Training: Authorized users must complete CA POST certified department 40mm training, as well as regular training and qualifications as required by policy to use this launcher with impact munitions. If used to deliver chemical agents, officers must additionally complete a POST certified Chemical Agents course along with regular department training.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force and use of chemical agents.

5. PepperBall FTC launcher – 12

- a) Description and Capabilities: System that uses high pressure air (CO2) to deliver .68" diameter projectiles (including PAVA, marking paint and glass breaker). The system is capable of launching projectiles up to 60'. The semi-automatic launcher can hold up to 180 rounds. The various projectiles can be used to break glass and to mark suspects and objects.
- b) Purpose: To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Offer law enforcement officers a less than lethal option to deliver chemical agents and kinetic energy impacts to potentially violent subjects from a distance, lessening the chance of a direct attack.
- c) Authorized Use: The PepperBall Launchers and munitions are intended for use as a less lethal use of force option.
- d) Fiscal Impact: Initial purchase cost, approximately \$550 each.
- e) Training: Authorized users who receive initial and recurring CA POST certified department training.
- f) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force and use of chemical agents.

6. Remington 870, bean bag shotguns - 13

- a) Description and Capabilities: 12-gauge, pump action shotgun. The bean bag shotgun has a molded, bright orange colored forend and stock, labeled with "LESS LETHAL" easily distinguishes it from other firearms.
- b) Purpose: Limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Offer law enforcement officers a less than lethal option, delivering a pellet filled munition (bean bag) made of cotton and ballistic material. Kinetic energy munitions impact subjects from a distance, lessening the chance of a direct attack on officers
- c) Authorized Use: The bean bag shotguns are intended for use as a less lethal use of force option.
- d) Expected Lifespan: No expiration.
- e) Fiscal Impact: Initial purchase cost, approximately \$500 each.
- f) Training: Authorized users receive initial and recurring CA POST certified department training with a bean bag shotgun.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

7. Defense Technologies, Exact iMPact 40mm sponge round (6325) – approximately 250

- a) Description and Capabilities: A less lethal 40mm lightweight plastic and foam projectile fired from a single or multi-round purpose built 40mm grenade launcher with a rifled barrel at 325 FPS. The 30-gram foam projectile delivers 120 ft/lbs. of energy on impact.
- b) Purpose: To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Fired from a 40mm launcher, this sponge kinetic energy munition is used to impact subjects from a distance, lessening the chance of a direct attack.
- c) Authorized Use: Munitions designed for use with the Penn Arms 40MM launchers.
- d) Expected Lifespan: 5 years
- e) Fiscal Impact: Initial purchase cost, \$2650 per 100 rounds
- f) Training: Authorized users who receive initial and recurring CA POST certified department training with a 40mm launcher.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

8. Safariland LLC. 12-gauge bean bag round – approximately 200

- a) Description and Capabilities: 12-gauge, 2 ¾" shell loaded with a 40-gram, tear shaped bag made from cotton and ballistic material. Filled with #9 shot, this design uses four stabilizing tails and utilizes smokeless powder as the propellant.
- b) Purpose: Offers law enforcement officers a less than lethal option, delivering a pellet filled munition (bean bag) made of cotton and ballistic material. Kinetic energy munitions impact subjects from a distance, lessening the chance of a direct attack on officers
- c) Authorized Use: Munitions designed for use the Remington 12-gauge bean bag shotguns.
- d) Expected Lifespan: Until used.
- e) Fiscal Impact: Initial purchase cost, \$5350 per 100 rounds.
- f) Training: Authorized users who receive initial and recurring CA POST approved department training with a bean bag shotgun.
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.

9. Pepperball munitions

- a) Description and Capabilities: Projectiles used with the PepperBall launch system. Similar in appearance to a paintball, these projectiles:
 - i. Live PAVA (pelargonic acid-vanillylamide – 2%) Pepper ball, an organic capsaicinoid powder irritant that causes inflammation and tearing. – 1500
 - ii. Glass Breaker, solid polymer projectile used for breaking out structure or vehicle windows. Not used on humans or animals – 100

- iii. Marking, contains a paint solution that can be used to mark suspects for later apprehension and for marking objects for identification. – 500
- b) Purpose: To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Fired from the Pepperball launcher, these projectiles are used as an impact munition, to disperse irritant powder, mark persons and objects and to break glass.
- c) Authorized Use: Munitions designed for use the with PepperBall FTC launchers.
- d) Expected Lifespan: 5 years
- e) Fiscal Impact: Initial purchase cost, \$250 per 90 rounds.
- f) Training: Only Authorized users who have qualified with and receive recurring and certified training in the use of the PepperBall launchers
- g) Legal and Procedural Rules: All applicable State, Federal and Local laws governing police use of force.