

# El Segundo Police Department

## 2022 Annual Military Equipment Report

### Introduction:

The El Segundo Police Department is committed to transparency, public trust, community partnerships, and compliance with the law. In accordance with Government Code §§ 7071 and 7072 (AB 481), this Department presents this Annual Military Equipment Report with all requisite reporting information, including, without limitation, the military equipment usage guidelines, inventory, fiscal impact, and complaints received for reporting year 2022.

The Department maintains specified military equipment to assist in safely achieving the furtherance of its mission, “to provide a safe and secure community while treating all people with dignity and respect.” Although the Department has various pieces of military equipment (as defined by the code) in inventory, the mere possession of such equipment does not warrant its use in every situation. This essential equipment is deployed based on the situational necessity to effectively de-escalate intense situations or bring volatile conditions and critical incidents to a safe resolution.

The availability of such instruments enables the Department to minimize risk to members of the community and officers during dynamic and unfolding high-risk incidents. It allows Department members to maintain a state of readiness through continuous training and equipment familiarity to fulfill our mission to protect life, property, and the overall public well-being.

### Background:

Pursuant to AB 481, the Department presented its Military Equipment Use Policy ("Policy") to the public and City Council. The City Council introduced Ordinance No. 1637 (the “Ordinance”) on April 19, 2022 and adopted the Ordinance on May 3, 2022. This Ordinance, which approved the Military Equipment Use Policy, became effective on June 2, 2022. The Policy is publicly available on the Department’s website at [AB 481 Information | El Segundo Police Department \(elsegundopd.org\)](https://www.elsegundopd.org/AB-481-Information)

Within 30 days of releasing its annual military equipment report, a law enforcement agency must hold at least one community engagement meeting to allow the public to ask questions and discuss the Annual Report. The City Council must also review the Ordinance to determine whether, based on the annual military equipment report, the standards set forth in the bill have been met. The City Council may renew the authorizing ordinance, disapprove authorization for particular equipment where standards have not been met, or require modifications to the Policy.

## **Military Equipment Inventory:**

Per AB 481, the following is an updated list of qualifying military equipment the Department possesses. The list provides the following information:

- a) A description of each type of military equipment, the quantity in inventory, its capabilities, and purchase cost.
- b) The purpose for which the Department proposes to use each type of military equipment.
- c) The authorized use as deemed by the Department for each type of military equipment.
- d) The expected life span of the item.
- e) The fiscal impact of each type of military equipment (estimated annual costs of maintaining the equipment).

**El Segundo Police Department  
Military Equipment Inventory List 2022**

**Armored Vehicles:**

**Type:** *Tactical Humvee*

**Quantity:** 1

**Cost:** \$0 (Acquired through the 10-33 Program)

**Lifespan:** 20+ years based on maintenance care

**Capabilities:** The Humvee can support first responders in any hazardous, high risk, or critical incident which would benefit from having a vehicle that provides a high level of ballistic protection.

**Manufacturer's Description:** The high-mobility multipurpose wheeled vehicle (HMMWV or Humvee) is a tactical vehicle designed and produced to replace the US Army's current tactical vehicles in the 0.25t to 1.25t range. It is manufactured by AM General LLC at its Mishawaka industrial plant.

**Purpose:** The purpose of the Humvee is to provide protection for the department members in high risk or critical incidents such as, serving high risk search warrants or arrest warrants of dangerous subjects.

**Authorized uses:** The Humvee is to be used for critical incidents, such as active shooters, armed barricaded suspects, hostage situations, high-risk tactical operations, disaster response, officer/citizen rescues.

**Fiscal Impact:** \$500 (Maintenance Costs)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy-300 Use of Force.

**Training:** Oversized SWAT and Police Vehicle Safety and Operation Training. This training is put on by the California Truck Driving Academy.

**Explosive Breaching Tool:**

**Type:** *Remington 870 Magnum 12 Gauge Shot Lock. SN LM010456*

**Ammo:** (Quantity:123) 12 Gauge, Avon, Breaching Round, Part #3105

**Quantity:** 1

**Cost:** \$700

**Lifespan:** N/A

**Capabilities:** This tool allows for officers to safely utilize shotgun breaching rounds to destroy deadbolts, locks, and hinges. The stand-off that is attached to the end of the barrel allows for positive placement of the device into the correct position and vents gasses to prevent overpressure. This device can also defeat windows and sliding glass doors with a flash bang round.

**Manufacturer's Description:** The Remington 870 family of shotguns was first introduced by Remington in the 1950s and since, has become one of the most popular USA-made pump action shotguns ever. Sales of the 870 reached over 7 million guns by 1996 and have since continued to grow. This particular model is configured with a pistol grip and a door-breaching accessory threaded into the barrel making it ideal for forceful entry situations.

**Purpose:** During crisis situations, it may become necessary for a SWAT team to facilitate an entry into a target location. It is critical the point of entry is breached quickly and as safely as possible. A quick and effective breach is one key to a successful tactical mission. In some instances, an explosive breach may be required to provide an added degree of safety and tactical advantage in order to accomplish a mission.

**Authorized uses:** An Explosive Breach should only be utilized after taking into consideration the overall mission, officer and citizen safety, the overall construction of the structure, the presence of unstable chemicals, explosives or incendiary materials, and whether other means of mechanical breaching would be effective and safe to use. The option to use an explosive breach shall be at the discretion of the SWAT Team Leader with the approval of the SWAT or Incident Commander.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy-300 Use of Force.

**Training:** Only SWAT Officers that are certified Explosive Breachers are authorized to utilize explosive breaching tools. SWAT Explosive Breachers must successfully complete an 80 hour SWAT Academy and must attend extensive POST certified Explosive Breaching Courses.

**Projectile Launcher Platforms:**

**Type:** 40mm, Single shot launchers. SN# D37725, SN# D36314, SN# 19782 and SN# D37841

**Quantity:** 4

**Cost:** \$835 each

**Lifespan:** N/A

**Capabilities:** 40mm launchers are capable of firing a variety of munitions with a maximum effective range of one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

**Manufacturer's Description:** The 40LMTS is a tactical 40mm single shot launcher that features an expandable stock and an adjustable Integrated Front Grip (IFG) with a light rail. The Ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single and two point sling attachment. The 40LMTS will fire standard 40mm Less Lethal ammunition, up to 4.8 inches in cartridge length. This weapon is NOT designed to fire 40mm High Velocity HE ammunition. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon. (Policy 303.6 Kinetic Energy Projectiles and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, and Policy 300 Use of Force.

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Penn Arms, Model # PG5, 40mm, Pump action, Multi-Shot (6) launcher, SN 3131*

**Quantity:** 1

**Cost:** \$2,000

**Lifespan:** N/A

**Capabilities:** 40mm launchers are capable of firing a variety of munitions with a maximum effective range of one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

**Manufacturer's Description:** A 40mm pump-action advance magazine drum launcher with a fixed stock and combo rail. It has a six-shot capacity and rifled barrel.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon. (Policy 303.6 Kinetic Energy Projectiles and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, and Policy 300 Use of Force.

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Specialty Impact Munitions (SIM):**

**Type:** *Direct Impact 40mm OC Crushable Foam Round – Part# 6320*

**Quantity:** 256

**Cost:** \$22 each

**Lifespan:** 5 years from date of manufacture

**Capability:** 40mm launchers are capable of firing a variety of munitions with a minimum effective range of five (5) feet and a maximum effective range of one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

**Manufacturer's Description:** The 40mm Direct Impact® Round has evolved from Defense Technology® design of the eXact iMpact™. This lightweight, high-speed projectile consists of a plastic body and a crushable foam nose which is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The rounds utilize smokeless powder as the propellant and have velocities that are extremely consistent. The 40mm Direct Impact® Round consists of a plastic body and a crushable foam nose that contains a powder payload. This payload area can hold inert, marking, OC or CS powder. The crushable foam nose dissipates energy upon impact while releasing the powder payload.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The Direct Impact OC round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon, within the force guidelines of Department Procedure (Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each

less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Exact Impact 40mm Standard Range Sponge Round-Part# 6325*

**Quantity:** 302

**Cost:** \$22 each

**Lifespan:** 5 years from date of manufacture

**Capability:** 40mm launchers are capable of firing a variety of munitions with a minimum effective range of five (5) feet and a maximum effective range of one hundred twenty (120) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

**Manufacturer's Description:** The 40mm eXact iMpack™ Sponge Round has evolved from the design of the 40mm XM1006 projectile, developed by the US Army Research Laboratory. This lightweight, high-speed projectile incorporates a plastic body and a foam (sponge) nose which is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant and has velocities that are extremely consistent. The 40mm eXact iMpack™ Sponge Round is a "point-of-aim, point-of-impact" direct fire round that is most commonly used by tactical teams in situations where maximum deliverable energy is desired for the incapacitation of an aggressive, non-compliant subject. In many municipalities, these are being selected for both tactical call outs and as an available option for patrol.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The Direct Impact OC round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon, within the force guidelines of Department Procedure (Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Exact Impact 40mm Extended Range Sponge Round- Part# 6325LE*

**Quantity:** 30

**Cost:** \$25 each

**Lifespan:** 5 years from date of manufacture

**Capability:** 40mm launchers are capable of firing a variety of munitions. The minimum effective range is thirty three (33) feet and the maximum effective range of the extended range sponge round is two hundred thirty (230) feet. 40mm launchers can deliver 40mm munitions in the form of chemical agents, sponge baton rounds, or combined use sponge baton OC chemical agent rounds.

**Manufacturer's Description:** The 40mm eXact iMpact™ Extended Range Round has evolved from the Defense Technology® design of the eXact iMpact™. This lightweight, high-speed projectile incorporates a plastic body and a foam (sponge) nose which is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant and has velocities that are extremely consistent. The 40mm eXact iMpact™ Extended Range Round is a "point-of-aim, point-of-impact" direct fire round that is most commonly used by tactical teams in situations where greater accuracy and deliverable energy is desired for the incapacitation of an aggressive, non-compliant subject at longer distances.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The Direct Impact OC round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon, within the force guidelines of Department Procedure (Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *40 mm Stinger 60-Cal Rubber Ball Smokeless Powder Round-Part# 6097*

**Quantity:** 98

**Cost:** \$20.49 each

**Lifespan:** 5 years from date of manufacture

**Capability:** The Stinger 40mm, 60-Caliber Round is intended to be skipped or directly fired at the discretion of the operator. It is most suitable at close to moderate ranges of fire, approximately 15 to 40 feet.

**Manufacturer's Description:** The Stinger® 40mm, 60-Caliber Round incorporates a 4.8-inch casing that contains approximately eighteen (18) rubber balls. It differs from its 37mm counterpart in that it utilizes smokeless powder as the propellant and therefore has velocities that are considerably more consistent and have tighter patterns. The Stinger® 40mm, 60-Caliber Round is most widely used as a crowd management tool by Law Enforcement and Corrections. The round is generally deployed in low trajectories or skip fired in the general direction (non-target specific) of the intended targets.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially

deadly situation. The Stinger 40mm, 60-Caliber Round is a pain compliance round for crowd control. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon, within the force guidelines of Department Procedure (Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force.

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**Type:** *Ferret 40mm CS Liquid Projectile-Part # 1262 (Newer version is Part # 2262).*

**Quantity:** 101

**Cost:** \$24 each

**Lifespan:** 5 years from date of manufacture

**Capability:** The effective range of the Ferret 40mm CS Powder Barricade Penetrating Projectile is fifty-four (54) yards.

**Manufacturer's Description:** The Ferret 40mm Round is a frangible projectile filled with chemical agent. It is designed to deliver chemical agents in barricade situations from a 40mm launcher. Spin stabilization from barrel rifling affords maximum stand-off distance and accuracy for safety. The Ferret® 40mm Round is non-burning and suitable for indoor use. Used primarily by tactical teams, it is designed 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.

**Purpose:** Kinetic energy projectiles, when used properly, are less likely to result in death or serious physical injury and can be used in an attempt to de-escalate a potentially deadly situation. The Direct Impact OC round additionally brings the effects of an irritant powder, maximizing the potential for incapacitation. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Authorized Use:** 40mm launchers utilized with less lethal sponge baton rounds may be deployed to impact subjects demonstrating assaultive behavior or life-threatening behavior. 40mm launchers utilized with less lethal sponge baton rounds may also be used to control an actively resistive subject reasonably believed to possess or have immediate access to a deadly weapon, within the force guidelines of Department Procedure (Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force).

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.6 Kinetic Energy Projectiles, 303.8 Kinetic Energy Projectile Training, 303.10 Tear Gas Guidelines, 303.11 Pepper Projectile Systems, and Policy 300 Use of Force.

**Training:** Every sworn El Segundo Police Officer attends a less lethal refresher course every two years. The refresher course consists of reading the department policy on each less lethal device, overview of the use of force policy, nomenclature of the projector launcher device and live fire with the projectile launchers. Additionally, SWAT members train on the projectile launcher platforms numerous times throughout the year.

**CS Munition #1:**

**Type:** *Triple-Chaser, Separating Canister CS- Part# 1026*

**Quantity:** 50

**Cost:** \$50 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** This device can be hand thrown or launched from a delivery system.

**Manufacturer's Description:** The Triple-Chaser consists of three separate canisters pressed together with separating charges between each. When deployed, the canisters separate and land approximately 20 feet apart allowing increased area coverage in a short period of time. This canister can be hand thrown or launched from a fired delivery system. The canister is 6.5 in. by 2.7 in. and holds an approximately 3.2 oz. of active agent payload. It has approximate burn time of 20-30 seconds.

**Lifespan:** 5 year manufacturer warranty

**Purpose:** The Triple-Chaser CS is used as crowd management in an outdoor setting.

**Authorized Uses:** Tear gas may be used for crowd control, crowd dispersal or against barricaded suspects based on the circumstances. Only the Watch Commander, Incident Commander or SWAT Lieutenant may authorize the delivery and use of tear gas, and only after evaluating all conditions known at the time and determining that such force reasonably appears justified and necessary. When practicable, fire personnel should be alerted or summoned to the scene prior to the deployment of tear gas to control any fires and to assist in providing medical aid or gas evacuation if needed.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.10 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Pocket Tactical device. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, officers who have received P.O.S.T. certification in the use of chemical agents are authorized to use them. South Bay Platoon officers can also use them. They train on crowd control scenarios once a year.

## **CS Munition #2**

**Type:** *Pocket Tactical CS Saf-Smoke - Part# 1017*

**Quantity:** 16

**Cost:** \$27 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** The Pocket Tactical is a small lightweight easily carried device that provides a medium volume of chemical agent or smoke for certain situations.

**Manufacturer's Description:** The Pocket Tactical is a quick burning, reduced volume, continuous discharge canister available in OC, CN, CS, and Saf-Smoke™. Pelletized chemical agent or smoke is discharged through one (1) gas port located on the bottom of the canister. The Pocket Tactical is a small, lightweight, easily carried device that provides a medium volume of chemical agent or smoke for certain situations. It was designed with the tactical team in mind for distraction, concealment, rescue, or signaling.

**Purpose:** The Pocket Tactical was designed with the tactical team in mind and can be used for distraction, concealment, rescue, or signaling. Additionally, the Pocket Tactical may be used to dislodge barricaded suspects from confined areas. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.10 Tear Gas Guidelines.

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Pocket Tactical device. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, officers who have received P.O.S.T. certification in the use of chemical agents are authorized to use them.

### **CS Munition #3**

**Type:** *Pocket Tactical CS- Part# 1016*

**Quantity:** 28

**Cost:** \$27 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** The Pocket Tactical is a small lightweight easily carried device that provides a medium volume of chemical agent or smoke for certain situations.

**Manufacturer's Description:** The Pocket Tactical is a quick burning, reduced volume, continuous discharge canister available in OC, CN, CS, and Saf-Smoke™. Pelletized chemical agent or smoke is discharged through one (1) gas port located on the bottom of the canister. The Pocket Tactical is a small, lightweight, easily carried device that provides a medium volume of chemical agent or smoke for certain situations. It was designed with the tactical team in mind for distraction, concealment, rescue, or signaling. The Pocket Tactical is not specifically intended as a crowd management

device; however, it can be used in chemical configurations in conjunction with larger smoke canisters to “piggy back” chemical agent into a predominately smoke environment.

**Purpose:** The Pocket Tactical was designed with the tactical team in mind and can be used for distraction, concealment, rescue, or signaling. Additionally, the Pocket Tactical may be used to dislodge barricaded suspects from confined areas. Its purpose is to minimize the risk to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.10 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Pocket Tactical device. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, officers who have received P.O.S.T. certification in the use of chemical agents are authorized to use them.

#### **CS Munition #4**

**Type:** *Flameless Tri-Chamber, CS- Part# 1032*

**Quantity:** 21

**Cost:** \$39 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** The design of the Tri-Chamber Flameless CS allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The device is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. It will deliver approximately .70 oz of agent during its 20-25 seconds of burn time. The Tri-Chamber Flameless can be used in crowd control as well as tactical deployment situations by Law Enforcement and Corrections, but was designed with the barricade situation in mind. Its applications in tactical situations are primarily to detect and/or dislodge barricaded subjects.

**Manufacturer’s Description:** The Tri-Chamber Flameless is designed for indoor use. The device’s pyrotechnic contents are burned within an internal can that is one of three in this design. The internal combustion allows the chemical-laden smoke to be released through three (3) ports on the outer canister side while safely containing any of the fire-

producing properties within the two internal canisters. The fuze is shrouded to further protect surrounding materials from the possibility of fire.

**Purpose:** The purpose of the Tri-Chamber Flameless is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. The Tri-Chamber Flameless provides the option of delivering a pyrotechnic chemical device indoors, maximizing the chemicals effectiveness via heat and vaporization, while minimizing or negating the chance of fire to the structure.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.10 Tear Gas Guidelines.

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Tri-Chamber CS. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, officers who have received P.O.S.T. certification in the use of chemical agents are authorized to use them.

#### **CS Munition #5**

**Type:** *Flameless Expulsion, CS- Part# 2042*

**Quantity:** 6

**Cost:** \$50 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** The Flameless Expulsion CS device can be used in tactical deployment situations. Its applications include detection and/or dislodging barricaded subjects. The purpose of the Flameless Expulsion is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects.

**Manufacturer's Description:** The CS Flameless Expulsion 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. Unlike pyrotechnical grenades, this device's contents are expelled upon actuation of a CO2 cartridge that will affect a confined area of approximately 1500 square feet. This device is 7.5 in. by 1.65 in. and delivers approximately .16 oz. of active agent during its 3-second discharge time.

**Purpose:** To de-escalate a situation and lower the likelihood of lethal force. Situations for use of the less lethal weapon systems may include, but are not limited to, dangerous and/or combative individuals, riot/crowd control and civil unrest incidents, circumstances where a tactical advantage can be obtained, and potentially vicious animals.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.10 Tear Gas Guidelines.

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Flameless Expulsion CS. SWAT Officers will conduct continued training with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, officers who have received P.O.S.T. certification in the use of chemical agents are authorized to use them.

#### **CS Munition #6**

**Type:** *Spede-Heat, CS- Part# 1072*

**Quantity:** 39

**Cost:** \$31 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Can be hand thrown, deployed via robot, launched, placed into a Gas Ram, Burn Safe and Munitions Pole.

**Manufacturer's Description:** The Spede-Heat CS is a high volume, continuous burn it expels its payload in approximately 20-40 seconds. The payload is discharged through four gas ports on top of the canister, three on the side and one on the bottom. This launchable device is 6.12 in. by 2.62 in. and holds approximately 2.9 oz. of active agent.

**Purpose:** To safely resolve critical situations such as violent civil unrest and high risk tactical operations

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 303.10 Tear Gas Guidelines

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Spede-Heat CS. SWAT Officers will conduct continued training

with the use of hand deployed chemical agent devices during supplemental SWAT courses and trainings. Additionally, officers who have received P.O.S.T. certification in the use of chemical agents are authorized to use them.

## **Unmanned, Remotely Piloted Powered Aerial Vehicle:**

### **UAS#1**

**Type:** *DJI Phantom 4*

**Quantity:** 3

**Cost:** \$7,339.48 (Total for all three drones)

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** UAS can support first responders in any hazardous incident which would benefit from an aerial perspective. These uses could include search and rescue, barricaded suspects or high-risk tactical operations, disaster response, and video and photographic documentation of a crime scene.

**Manufacturer's Description:** Featuring a 1-inch CMOS sensor that can shoot 4K/60fps videos and 20MP photos, the Phantom 4 Pro V2.0 grants filmmakers absolute creative freedom. The OcuSync 2.0 HD transmission system ensures stable connectivity and reliability, five directions of obstacle sensing ensures additional safety, and a dedicated remote controller with a built-in screen grants even greater precision and control. <sup>[1]</sup> A wide array of intelligent features makes flying that much easier. The Phantom 4 Pro V2.0 is a complete aerial imaging solution, designed for the professional creator.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### **UAS#2**

**Type:** *DJI Tello #1*

**Quantity:** 1

**Cost:** \$100 per drone

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** Can be flown indoors or outdoors. It is very light and easy to fly. It has a thirteen-minute flight time, has 720p HD transmission and 5MP photos.

**Manufacturer's Description:** The Tello is stable on uneven surfaces like stairs and different floors. The drone responds quickly to pilot inputs and makes precise, smooth movements in flight. When flying indoors, the Tello feels completely under the pilot's control.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### **UAS#3**

**Type:** *DJI Mini 3 Pro*

**Quantity:** 1

**Cost:** \$1200

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** Can be flown indoors or outdoors. It has a 35 minute flight time, has 1080p HD transmission and 48MP photos.

**Manufacturer's Description:** The mini-sized, mega-capable DJI Mini 3 Pro is just as powerful as it is portable. Weighing less than 249 g and with upgraded safety features, it's not only regulation-friendly, it's also the safest in its series. With a 1/1.3-inch sensor and top-tier features, it redefines what it means to fly Mini.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### UAS#4

**Type:** *DJI Matrice 210 V2 Combo (SP) Drone System with DJI Enterprise Shield Basic SN# 17TDG180020031*

**Quantity:** 1

**Cost:** \$30,125.64

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The Matrice 210/300 drones are used for exterior overwatch missions. Both of these drones are large and have similar features that police helicopters have ranging from FLIR to zoom and wide-angle cameras to a very bright spotlight to illuminate a search area.

**Manufacturer's Description:** The ultimate platform for aerial productivity combines a rugged design and simple configurability to work as a solution for a variety of industrial

applications. Improvements to the M200 Series V2 enhance intelligent control systems, flight performance, and add flight safety and data security features.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### **UAS#5**

**Type:** *DJI Mavic Air*

**Quantity:** 1

**Cost:** \$500

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The Mavic Air is an interior drone used to clear the interior portions of residences, office buildings, or warehouses. The interior drone allows officers to get an idea of what a room or building looks like prior to entering.

**Manufacturer's Description:** Mavic Air takes camera and flight performance to the next level with 48MP photos, 4K/60fps video, up to 34 minutes of flight time, and more.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety

for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

## UAS#6

**Type:** *DJI Matrice RTK 300 Commercial Drone System*

**Quantity:** 1

**Cost:** \$30,603.08

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The DJI Matrice RTK can support first responders in any hazardous incident which would benefit from an aerial perspective. These uses could include search and rescue, barricaded suspects or high-risk tactical operations, disaster response, and video and photographic documentation of a crime scene.

**Manufacturer's Description:** The Matrice 300 RTK is DJI's latest commercial drone platform that takes inspiration from modern aviation systems. Offering up to 55 minutes of flight time, advanced AI capabilities, 6 directional sensing and positioning and more, the M300 RTK sets a whole new standard by combining intelligence with high-performance and unrivaled reliability.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### **UAS#7**

**Type:** *DJI Mavic 2 Zoom Enterprise Universal Edition with Enterprise Shield Support Program*

**Quantity:** 1

**Cost:** \$3,245.58

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The Mavic Zoom is used for exterior missions including overwatch on smaller scale containments. The Mavic Zoom offers a 12X zoom lens to get visual of the target from farther away.

**Manufacturer's Description:** Capture accurate details in any mission with the Mavic 2 Enterprise Advanced – a highly versatile yet compact tool that packs a whole lot of performance upgrades. With high-resolution thermal and visual cameras, the M2EA supports up to 32x digital zoom and is capable of centimeter-level positioning accuracy with the RTK module.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### **UAS#8**

**Type:** *DJI Mavic 2 Dual Enterprise*

**Quantity:** 1

**Cost:** \$4,181.81

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The Mavic Dual is used for exterior missions including overwatch on smaller scale containments. The Mavic Dual offers a 12X zoom lens to get visual of the target from farther away. The Mavic Dual offers a FLIR lens to sense heat sources during night hours.

**Manufacturer's Description:** Capture accurate details in any mission with the Mavic 2 Enterprise Advanced – a highly versatile yet compact tool that packs a whole lot of performance upgrades. With high-resolution thermal and visual cameras, the M2EA supports up to 32x digital zoom and is capable of centimeter-level positioning accuracy with the RTK module.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

## **UAS #9**

**Type:** *Brinc Lemur S*

**Quantity:** 1

**Cost:** \$22,110.22

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The Lemur S is an interior drone used to clear the interior portions of residences, office buildings, or warehouses. The interior drone allows officers to get an

idea of what a room or building looks like prior to entering. Two way communication drone, allowing officers to communicate with any subject located. It will also has a Glass breaker feature that lets the drone break and fly through glass (i.e. car windows, glass doors). There is a thirty one minute flight time.

**Manufacturer's Description:**

Repeater that doubles the drones range. Pushes open doors. IR flying capabilities that does not use GPS. This allows for flight in total darkness. Two-way communication capabilities with a powerful speaker to assist with a barricaded suspect in a CNT situation. 31 minute flight time Turtle mode that makes it virtually crash proof and can self-correct and re-fly without the pilot physically needing to touch the drone or flip it right side up. LIDAR based pilot assistance (uses lasers not GPS to fly which avoids the constant connection issues traditional GPS drones encounter). 10-hour perch time that allows the pilot to land the drone and record video and audio and speak with a subject on a single charge. Glass breaker feature that lets the drone break and fly through glass (i.e. car windows, glass doors). Spot light, dropper accessory, landing strip that lets the drone take off from the front of a vehicle without the pilot stepping out in harms way. Can withstand drops of up to 40'. The drone also has a carry feature that allows it to deliver anything from a bottle of water to a flash bang.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

**UAS #10**

**Type:** *Autel Robotics EVO II Pro V3*

**Quantity:** 1

**Cost:** \$2,740

**Lifespan:** 5 year manufacturer warranty

**Capabilities:** The EVO II will be primarily used for 3D Mapping of fatal or serious traffic collisions and for outdoor crime scenes. Real time area maps can also be created of special events in the City or during a catastrophic emergency where an up-to-date overhead view of a large area can provide valuable information to first responders.

**Manufacturer's Description:** Autel EVO 2 Pro has an ultra-HD camera, a 1-inch sensor with 6k resolution. Capture stunning detail not previously possible on an aerial platform of this size. An adjustable aperture, HDR and intuitive camera controls make this the perfect choice for any aerial cinematographer or mapping pilot.

**Purpose:** A law enforcement specific application involving aerial drones are used for open terrain or large field searches as a force-multiplier to assist in high-risk apprehensions of armed or violent suspects. Aerial drones can be used as an interior search tool to locate suspects barricaded inside a residence or commercial structure.

**Authorized Uses:** Unmanned vehicles have numerous applications. Aerial drones are used instead of personnel or a police helicopter in high-risk environments to increase safety for law enforcement. Drone pilots also respond to mutual aid requests from outside agencies to assist with locating outstanding suspects.

**Fiscal Impact:** Battery Replacement (depending on frequency of use and charging)

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 433-Unmanned Aircraft Systems Program.

**Training:** All Drone pilots must pass the UAV FAA Remote Pilot test. Additionally, all drone pilots attend a monthly drone training. The Drone Team and the SWAT Team train together a couple of times a year, to become familiar with each other's tactics.

#### **Unmanned, Remotely Piloted Powered Ground Vehicle:**

**Type:** *Avatar III Robot*

**Quantity:** 1

**Cost:** \$22,246.90

**Capabilities:** Robots can support first responders in any hazardous incident which would benefit from a remotely powered robot entering an area to provide details of the environment. These uses could include search and rescue, barricaded suspects or high-risk tactical operations, disaster response, and communication with suspects and victims.

**Life Span:** N/A

**Manufactures Description:** The AVATAR® III is a rugged, easy-to-use tactical robot that enhances the capabilities of law enforcement and first-responders by allowing them to

safely and quickly inspect dangerous situations. The AVATAR III is completely customizable with plug-n-play payload bays, allowing users to build the robot to fit their needs.

**Purpose:** To be used to remotely gain visual/audio data, deliver CNT phone, open doors, disrupt packages, and clear buildings.

**Authorized Uses:** Only SWAT team members shall be permitted to operate the robots on an incident with the approval of the SWAT Commander or Incident Commander.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 300-Use of Force.

**Training:** Only SWAT Officers that have completed a SWAT basic academy are authorized to utilize the Avatar III Robot. SWAT Officers will conduct continued training with the use of the robot during supplemental SWAT courses and trainings.

**Flashbangs:**

**Type:** *Low Roll II Distraction Device by Defense Technology*

**Quantity:** 25

**Cost:** \$50 each

**Lifespan:** 5 years from date of manufacture

**Capabilities:** Diversionary Devices are capable of releasing large amounts of stored energy in the form of heat, light, pressure, and noise. They are intended to temporarily distract, confuse, and disorient subjects. They can also be used as “attention-getting” devices.

**Manufacturer’s Description:** The 11-Gram Low Roll II® Non-Reloadable Distraction Device, High Humidity utilizes an M201A1 type fuse with Hex design steel body. This compact version of the 8933 Low Roll Distraction Device body is the newest version of the first reusable non-bursting canisters that limits movement and rolling once deployed.

**Purpose:** The flashbangs are used as a distraction device and to provide an added degree of officer safety by disorienting subjects.

**Authorized uses:** Diversionary Devices are to be used exclusively by the SWAT Unit. Diversionary Devices can be used in high-risk tactical operations as an attention getting

device. They can also be used during high-risk warrants, hostage rescue incidents, and some mobile field force incidents.

**Fiscal Impact:** None

**Legal and Procedural Rules:** Authorized use must comply with state and federal laws and Lexipol Policy 300-Use of Force.

**Training:** SWAT Officers must successfully complete an 80 hour SWAT Academy and are subject to ongoing extensive classroom and practical application training in the use of the Diversionary Devices. Additionally, SWAT Officers regularly train on safe device deployment in a variety of operational settings.

## **Military Equipment Use Summary 2022:**

This section outlines the usage of military equipment by the Department in 2022. Certain items of military equipment, particularly ammunition, diversionary devices, and chemical agents are used throughout the year on a regular basis for training to maintain proficiency. Therefore, this section does not capture training usage and only provides data for the operational use of military equipment listed within the Annual Military Equipment Report.

- 2022 Use of Military Equipment:

- a. NOISE-FLASH DEVICE (FLASH-BANG)

- March 31, 2022**

- The El Segundo SWAT team was serving a warrant in the City of Corona for a felony suspect (subject was wanted for pointing a firearm at a victim and making threats). Due to the fact the suspect refused to surrender and barricade himself inside his house, the SWAT team deployed one Low Roll II Distraction Device by Def Tech (Flashbang). This was used to facilitate a safe surrender of the barricaded subject.

- b. ARMORED PERSONNEL CARRIER (HUMVEE)

- May 27, 2022**

- El Segundo Officers responded to a barricaded subject with a gun in a vehicle. The Humvee was utilized to provide protection to the officers and assist with scene containment.

- c. UNMANNED, REMOTELY PILOTED GROUND VEHICLE (SWAT ROBOT)

- December 22, 2022**

El Segundo SWAT team members responded to the City of Gardena to assist Gardena PD with a barricaded subject with a gun. Our SWAT team deployed the robot inside the location.

d. UNMANNED, REMOTELY PILOTED AIRCRAFT (DRONE)

**February 8, 2022**

Provided ESPD Drone Team presentation for ESHS Interns.

**February 11, 2022**

Assisted Manhattan Beach PD on a family disturbance involving child endangerment and a barricaded suspect.

**February 25, 2022**

Assisted DEA-HIDTA on surveillance of a stash house in the city of Compton.

**March 18, 2022**

Assisted Gardena PD and Torrance PD on a carjacking suspect in a containment.

**March 21, 2022**

Assisted ESFD on an Arson investigating overlooking a transient camp.

**March 26, 2022**

Assisted ESFD on a sewage spill and containment.

**April 21, 2022**

Assisted ESFD on a brush fire as an overwatch to cover firefighters.

**May 3, 2022**

Assisted Torrance PD on a containment with outstanding suspects.

**May 14, 2022**

ESPD used the Drone to search for suspects during an in progress commercial burglary.

**May 27, 2022**

ESPD used the Drone to investigate a vehicle where a suspect had barricaded himself. The department was able to identify a suspect who was in possession of a possible handgun.

**May 30, 2022**

Assisted Torrance PD on suspects who were inside a containment.

**June 2, 2022**

ESPD used the Drone to clear a commercial building where suspects were possibly still inside.

**June 3, 2022**

ESPD used the Drone to clear a commercial building where they believed suspects may be hiding.

**June 26, 2022**

Assisted Inglewood PD on a containment where a man with a gun was seen threatening people.

**June 27, 2022**

ESPD used the Drone to document the scene of a fatal traffic collision.

**August 5, 2022**

ESPD used the Drone to clear a commercial building where they believed suspects may be hiding.

**September 6, 2022**

Assisted Torrance PD in searching for a critical missing adult.

**September 11, 2022**

Assisted EL Camino PD in searching for burglary suspects on campus.

**September 11, 2022**

ESPD used the Drone to locate two suspects hiding on the rooftop of a building.

**October 10, 2022**

ESPD used the Drone to ascertain if the lights at an intersection were phasing correctly.

**November 16, 2022**

Assisted Manhattan Beach PD at their Pier Lighting Ceremony.

**December 4, 2022**

Assisted Hawthorne PD with a containment of two suspects wanted for vehicle theft.

**December 4, 2022**

Assisted Torrance PD with a domestic violence barricaded suspect armed with a knife.

**December 4, 2022**

ESPD used the Drone to assist on a burglary alarm of a commercial building attempting to locate heat signatures.

**December 12, 2022**

Assisted Gardena PD with an armed barricaded suspect in a condominium armed with a handgun.

COMPLAINTS SUMMARY REGARDING MILITARY EQUIPMENT USAGE

The application and use of Military Equipment may cause questions and/or concerns for members of the community. It is vitally important that community members' questions and concerns regarding the application and use of military equipment are addressed. Any member of the public can register a question, concern, or complaint regarding Military Equipment use either in person or telephonically by contacting the Department (310) 524-2200.

Complaints may also be submitted electronically via the Police Department's website at: <https://www.elsegundopd.org/about-espdp/applications-and-permits/civilian-report-procedure>.

A response to the questions, concerns, or complaints will be completed by the Department in a timely manner.

In 2022, the Department did not receive any complaints regarding the use of Military Equipment.

- The cost of the use of military equipment:
  - a. Cost of Military Equipment Used:
    - i. One Flashbang Device was used in 2022. Each device costs \$50.
    - ii. The total cost was **\$50**.
  - b. Cost of Military Equipment Purchased to Replenish Expired Equipment. Funds from Asset Forfeiture Account was used: #109-400-3109-5204
    - i. **Type:** Exact Impact 40mm Standard Range Sponge Round- Part# 6325  
**Quantity:** 60  
**Cost:** \$22 each  
**Lifespan:** 5 years from date of manufacture
    - ii. **Type:** Exact Impact 40mm Extended Range Sponge Round- Part# 6325LE  
**Quantity:** 15  
**Cost:** \$25 each

**Lifespan:** 5 years from date of manufacture

- iii. **Type:** Ferret 40mm CS Liquid Projectile- Part # 2262  
**Quantity:** 45  
**Cost:** \$24 each  
**Lifespan:** 5 years from date of manufacture
  
- iv. **Type:** Pocket Tactical CS- Part# 1016  
**Quantity:** 15  
**Cost:** \$27 each  
**Lifespan:** 5 years from date of manufacture
  
- v. **Type:** Flameless Tri-Chamber, CS- Part# 1032  
**Quantity:** 10  
**Cost:** \$39 each  
**Lifespan:** 5 years from date of manufacture
  
- vi. **Type:** Spede-Heat, CS- Part# 1072  
**Quantity:** 20  
**Cost:** \$31 each  
**Lifespan:** 5 years from date of manufacture
  
- vii. **Type:** Direct Impact 40mm OC Crushable Foam Round – Part# 6320  
**Quantity:** 30  
**Cost:** \$22 each  
**Lifespan:** 5 years from date of manufacture
  
- viii. **Type:** 12 Gauge, Avon, Breaching Round- Part #3105  
**Quantity:** 60  
**Cost:** \$7  
**Lifespan:** 5 years from date of manufacture

Total Cost: \$5,747.22

The El Segundo Police Department will continue to research and purchase the best equipment to keep our community and officers safe. At this time, it is unknown what equipment will be purchased in 2023. The training of the military equipment has been built into officers' regular shifts or set trainings (Drone Training, SWAT Training), no extra costs have been incurred. Our Drone Operators attended a three-day training (24 hours) in Las Vegas, Nevada on the Brinc Lemur S Drone in 2022 and 2023. The cost of this training was \$799 per student. Four operators went in 2022 and three operators went in 2023. Due to the ongoing training and use of certain equipment during yearly trainings, certain equipment may be replenished throughout the year.

The equipment, resources and training outlined in this report allows the El Segundo Police Department to protect our community by enhancing public and officer safety. Although controlled equipment is utilized infrequently, it is crucial that the equipment be readily available in critical incidents where such equipment can be used to effectively respond to threats to public safety. This annual report reaffirms the department's commitment to providing transparency and information to our communities and elected officials in addition to ensuring compliance with the law.