



ARROYO GRANDE POLICE DEPARTMENT

2022 MILITARY EQUIPMENT INVENTORY



1. **Unmanned Aircraft System (UAS):** An unmanned aircraft along with the associated equipment necessary to control it remotely.

Agency cost of maintaining the UAV (training and software) program in 2022: \$750.00

- a) Description, quantity, capabilities, and purchase cost of current UAS:
 - i. DJI MAVIC ENTERPRISE Advanced, cost: \$6,900 each, quantity: 2. UAS that has a color and inferred camera as well as audible speaker and light. Capable of video recording, weighs 909 grams, and has approx. 30 minutes of flight time.
- b) Purpose
To be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to:
 - i. major collision investigations.
 - ii. search for missing persons.
 - iii. natural disaster management.
 - iv. crime scene photography.
 - v. SWAT, tactical, or other public safety and life preservation missions.
 - vi. In response to specific requests from local, state, or federal fire authorities for fire response and/or prevention.
- c) Authorized Use
Only assigned operators who have completed the required training shall be permitted to operate the DJI Mavic during approved missions.
- d) Expected Life Span
All UAS equipment, 3-5 years.
- e) Fiscal Impact
Annual maintenance and battery replacement cost is approximately \$200.
- f) Training
All Department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must attend a department training and ongoing quarterly training.
- g) Legal and Procedural Rules
Use is established under FAA Regulation 14 CFR Part 107, and the City of Arroyo Grande UAS policy. It is the policy of the AGPD to utilize UAS only for official law enforcement



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purposes, and in a manner that respects the privacy of our community, pursuant to State and Federal law.

2. **40 MM Launchers and Rounds:** 40MM Launchers are utilized by department personnel as a less lethal tool to launch impact rounds.

This platform was maintained at no cost to the city during the 2022 calendar year.

a) Description, quantity, capabilities, and purchase cost

- 1) DEFENSE (LMT) TECHNOLOGY, 40MM SINGLE SHOT LAUNCHER, cost: \$1000, quantity: 9. The 40MM Single Launcher is a tactical single shot launcher that features an expandable ROGERS Super Stock and an adjustable Integrated Front Grip (IFG) with light rail. It will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. It will launch a 40MM less lethal round up to 131 feet. This less lethal platform replaced the Bean Bag shotgun and is authorized to be used by patrol personnel. The launcher is orange in color and has a holographic red dot sighting system.
- 2) BYRNA SDI. The 40mm BIP is a blunt impact kinetic energy round. Cost: \$22 per round, quantity: 50. The patented technology involves an internal energy absorption system, as well as a collapsible gel head. BIPs have an effective minimal optimal range of 6.6 feet (2m), though are operational at point blank. In independent party Blunt Trauma Testing of several 40mm Impact rounds, the BIP round had the lowest impact force response. The Viscous criterion (VC) was used as an indicator of injury severity, the higher (VC) value the higher the risk of injury. The BIP Peaked at (0.10) while the other rounds peaked at (.012-.097) The BIP has been designed utilizing ballistic technologies, which allow for consistent in-flight stability throughout an almost flat trajectory. These rounds have repeatedly shown effectiveness and reliability at ranges up to 150 feet (45m)
- 3) DEFENSE TECHNOLOGY, FERRETT 40MM LIQUID BARRICADE PENETRATOR ROUND, cost: \$23, quantity: 15. A 40MM round 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. In a tactical deployment situation, the 40mm Ferret is primarily used to dislodge barricaded subjects from confined areas. Its purpose is to minimize the risks to all parties through pain compliance, temporary discomfort and/or incapacitation of potentially violent or dangerous subjects. This is for use by SWAT team members only.



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b) Purpose

To limit the escalation of conflict and preserve lives where the employment of lethal force is prohibited or undesirable.

c) Authorized Use

Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.
- iv. Potentially vicious animals.
- v. Training exercises or approved demonstrations.

d) Training

Sworn members utilizing 40MM less lethal chemical agents or impact rounds are trained in their use by POST certified less lethal and chemical agent instructors.

e) Lifespan

- Defense Technology LMT- 25 years.
- BYRNA SDI. The 40mm BIP- 5 years.
- Model 2262 Liquid Barricade Penetrator round- 5 years.

f) Fiscal Impact

Annual maintenance is approximately \$25 for each launcher.
Estimated cost of 40mm rounds for 2023 is \$500.

g) Legal and Procedural Rules

Use is established under AGPD policy 308.8. It is the policy of the AGPD to utilize the 40mm only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

3. **Distraction Devices:** A distract device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations.

This platform was maintained at no cost to the city during the 2022 calendar year.

a) Description, quantity, capabilities, and purchase cost

- 1) Defense Technology #8901, Cost \$50 Quantity: 6. The Distraction Device® Reload utilizes a standard military-style M201A1 type fuze and produces 175 dB of sound output at 5 feet and 6-8 million candelas for 10 milliseconds. This reload is for use in the Distraction Device low roll body.



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b) Purpose

To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.

c) Authorized Use

- i. Diversionary Devices shall only be used:
- ii. By officers who have been trained in their proper use.
- iii. In hostage and barricaded subject situations.
- iv. In high risk warrant (search/arrest) services where there may be extreme hazards to officers.
- v. During other high-risk situations where their use would enhance officer safety.
- vi. During training exercises.

d) Lifespan

Until used.

e) Fiscal Impact

No annual maintenance.

f) Training

Prior to use, officers must attend diversionary device training that is conducted by Post certified instructors.

g) Legal and Procedural Rules

Use is established under AGPD policy 408. It is the policy of the AGPD to utilize diversion devices only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

4. **Rifles:** Guns that are fired from shoulder level, having a long spirally grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance.

Agency cost of maintaining the Patrol Rifle program in 2022: \$9,873.21

Agency cost of maintaining the Patrol Rifle ammunition in 2022: \$4,292.50

a) Description, quantity, capabilities, and purchase cost

- 1) Sig Sauer, MCX Virtus Patrol Semi-Automatic Rifle. Cost \$2,000, quantity 27, officially designated Rifle, Caliber 5.56 NATO. Standard issued service weapon. (10 new Rifles were purchased with expected delivery in 2023, the new rifles were purchased after receiving a \$7,720 credit for department owned weapons on longer in service)



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- 2) Remington .223 CALIBER 55 GRAIN RIFLE ROUND, quantity 500 rounds. cost: \$0.51 per round. Remington ammo made by PMC. This full metal jacket rounds are used for training and CA POST required qualification.
- 3) Hornady Black 5.56 Nato 75 GRAIN HD SBR RIFLE ROUND, quantity 4000 rounds. Cost \$0.85 per round. 5.56 Nato 75 gr InterLock HD SBR Hornady Black is designed specifically for 10.5"-11.5" SBR's by using proprietary propellant technology and a bullet designed with technology from industry leading Critical Duty FlexLock bullets. This round provides exceptional ammunition performance in SBR's suppressed or unsuppressed, with virtually no flash or residue, dramatically reduced sound signature, will not foul or overheat suppressors, uniform velocity and accuracy, and provides controllable rate of fire in automatic platforms. Designed to meet the requirements of the FBI protocol, this round is the optimum choice for 10.5"-11.5" barreled 5.56 rifles. This is the Duty round for standard issue patrol rifles.
- b) Purpose
To be used as precision weapons to address a threat with more precision and/or greater distances than a handgun, if present and feasible.
- c) Authorized Use
Only members that are POST certified are authorized to use a rifle.
- d) Lifespan
 - 1) Sig Sauer, MCX Virtus Patrol Semi-Automatic Rifle - no expiration.
 - 2) Remington .223 CALIBER 55 GRAIN RIFLE ROUND - no expiration.
 - 3) Hornady Black 5.56 Nato 75 GRAIN HD SBR RIFLE ROUND - no expiration.
- e) Fiscal Impact
Annual maintenance is approximately \$50 for each rifle. Annual Ammunition cost is accounted for in current department budget. Rifle ammunition accounts for approximately \$4500 annually.
- f) Training
Prior to using a rifle officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification 4 times a year.
- g) Legal and Procedural Rules
Use is established under AGPD policy 312 and 432. It is the policy of the AGPD to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force. All Rifles deployed by Arroyo Grande Police Department are owned by the Police Department.



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5. **Chemical Agent and Smoke Canisters:** Canisters that contain chemical agents that are released when deployed.

This platform was maintained at no cost to the city during the 2022 calendar year.

As of 2023 all current inventories of Chemical Agent and Smoke Canisters have expired and will be disposed of in 2023. Arroyo Grande Police Department has no plans to continue the use of or maintain inventory levels of this identified military item.

a) Description, quantity, capabilities, and purchase cost

- 1) DEFENSE TECHNOLOGY, Han-Ball CS GRENADE, #519, cost: \$48, quantity: 10. The Han-Ball™ CS Grenade is an outdoor use grenade expelling its payload in approximately 15-20 seconds. The rubber ball round has an overall size of 4.8 in. tall, including the fuse head, and 3.1 in. diameter. This device is for use by members of the SWAT team in a tactical environment.
- 2) DEFENSE TECHNOLOGY Rubber Ball Blast Grenade, Inert. Cost \$ 50, quantity 2. The Inert Rubber Blast Ball Grenade can be used effectively in both training and crowd management situations. It simulates the dispersion of Riot Control Agents from a CS, CN, or OC Blast Ball in a training environment, but without the actual chemical exposure. Deployed in crowd management /custodial situations to deliver light/sound stimuli from a rubber ball style grenade without chemical agent exposure. This device is for use by members of the SWAT team in a tactical environment.

b) Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include, but are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.
- iv. Potentially vicious animals.
- v. Training exercises or approved demonstrations.
- vi. Authorized Use
- vii. Only officers who have received POST certification in the use of chemical agents are authorized to use these agents.

c) Training

Sworn members utilizing chemical agent canisters are certified by POST less lethal and chemical agent instructors.

d) Lifespan

5 years from manufacturing date.

e) Fiscal Impact

No annual maintenance.



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f) Legal and Procedural Rules

Use is established under the AGPD use of force policy 300. It is the policy of the AGPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

6. **PepperBall Launcher:** A device that discharges irritant projectiles.

Agency had no cost of maintaining PepperBall Launcher in 2022.

Agency cost of maintaining PepperBall projectiles in 2022: \$330

a) Description, quantity, capabilities, and purchase cost

- 1) PepperBall FTC CARBINE, cost: \$590, quantity 4. The FTC is a high-capacity, semi-automatic launcher that is reliable and accurate, it features a hopper that can hold up to 180 rounds and a flexible air source configuration. PepperBall® is the most versatile non-lethal system available, allowing officers to deploy it in a wide range of situations. PepperBall's many uses include:
 1. Anti-riot
 2. Combative suspects
 3. Vehicle interdiction
 4. Non-compliant individuals
- 2) PepperBall LIVE-X PROJECTILE, cost: \$3 per projectile. The Live Projectile contains a concentrated amount of PAVA pepper powder. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-350 FPS. The projectile has a direct impact of 60ft and an area of saturation of 150+ft. The projectile contains 5% PAVA Powder.
- 3) PepperBall Glass Breaker Cost \$2.50 per Projectile, Quantity 60. A solid polymer projectile used for breaking out residential windows and side-glass of automobiles. Not for use on humans or animals.
- 4) PepperBall INERT round. Cost \$1 per projectile. Containing a harmless, scented powder, this projectile is best suited for training, qualifications, and direct impact when chemical exposure is not desired.

b) Purpose

To limit the escalation of conflict where employment of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include but, are not limited to:

- i. Self-destructive, dangerous and/or combative individuals.
- ii. Riot/crowd control and civil unrest incidents.
- iii. Circumstances where a tactical advantage can be obtained.



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- iv. Potentially vicious animals.
- v. Training exercises or approved demonstrations.

c) Authorized Use

Only those officers who have been trained in the use of PepperBall launchers are authorized to use the PepperBall launchers.

d) Training

Sworn members utilizing PepperBall launchers and projectiles are trained in their use by PepperBall certified less lethal and chemical agent instructors.

e) Lifespan

- i. PepperBall FTC Carbine- 20 years
- ii. PepperBall Live-X Projectile- 3 years
- iii. PepperBall Glass Breaker- 20 years
- iv. PepperBall INERT Projectile- 3 years

f) Fiscal impact

Annual maintenance is approximately \$25 for each PepperBall launcher.

Estimated cost for projectiles in 2023 is \$300

g) Legal and Procedural Rules

Use is established under AGPD policy 308.6.1. It is the policy of the AGPD to utilize PepperBall only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

MAINTENANCE OF MILITARY USE SUPPLY LEVELS

When munitions stock for "military equipment" have reached significantly low levels, or have been exhausted, the Department may order replacement stock based upon current approved city operational budget in a calendar year without city council approval to maintain essential availability for the Department's needs. The purchase of this would be included in the annual report.