

SIERRA MADRE

POLICE

2022

MILITARY EQUIPMENT REPORT



INTRODUCTION

On September 30, 2021, the Governor of the State of California approved Assembly Bill (AB) 481 (codified as Chapter 12.8 of the California Government Code), requiring law enforcement agencies such as the Sierra Madre Police Department (SMPD) to have a military use policy approved by the City Council before requesting, seeking funding, acquiring or using military equipment. AB 481 allows the governing body to approve the policy within its jurisdiction only if it determines that the military equipment meets specified standards.

On May 24, 2022, the City Council approved Ordinance 1456, approving SMPD Policy § 706: Military Equipment Funding, Acquisition, and Use. As required by AB 481 and the Ordinance, annually, SMPD must prepare a report on the use of each type of military equipment approved in the policy over the last year. Subsequently, the City Council must then review the Ordinance, Policy, and Annual Report to determine whether the Department's use of military equipment in the past year complied with the Policy and whether to continue the Ordinance and Policy, take action (by ordinance) to modify the Policy or repeal the Ordinance. The policy and inventory list are located on the Sierra Madre Police Department's website –

https://www.cityofsierramadre.com/cityhall/departments/police_department/test

As the Policy outlines, SMPD retains and employs limited military equipment to safeguard its community. SMPD officers, certified instructional staff, and specialized units receive training throughout the year on using military equipment approved under the Policy.

California Government Code § 7072 requires law enforcement agencies to prepare a Military Equipment Report annually. The annual Military Equipment Report will contain the following.

- A summary of how the military equipment was used and the purpose of its use;
- A summary of any complaints or concerns received concerning the military equipment;
- The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response;
- The total annual cost for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing expenses, and from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report;
- The quantity possessed for each type of military equipment; and
- If the law enforcement agency intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.

This annual Military Equipment Report satisfies the reporting requirements outlined in California Government Code § 7072 and compliance with AB 481. The Department will submit its Military Equipment Annual Report to City Council after December 31st of every year.

Any complaints, concerns, or questions related to Military Equipment utilization can be through any of the below methods:

- In person at the Sierra Madre Police Department:
 - 242 W. Sierra Madre Blvd,
Sierra Madre, CA, 91024
- Via telephone call to (626) 355-1414
- Email: militaryequipment@cityofsierramadre.com
- Mail: Sierra Madre Police Department,
Attn: Military Equipment Coordinator,
242 W. Sierra Madre Blvd,
Sierra Madre, CA, 91024

DEFINITIONS

Definitions of Military Equipment established by California Government Code §7070: (SMPD utilizes a limited number of the resources listed below)

- Unmanned, remotely piloted, powered aerial or ground vehicles
- Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers
- High mobility multipurpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus attached
- Tracked armored vehicles that provide ballistic protection to their occupants
- Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units
- Weaponized aircraft, vessels, or vehicles or any kind
- Battering rams, slugs, and breaching apparatuses that are explosive in nature. This does not include a handheld, one-person ram
- Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition
- Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code §30510 and Penal Code §30515, with the exception of standard-issue firearms
- Any firearm or firearm accessory that is designed to launch explosive projectiles
- Noise-flash diversionary devices and explosive breaching tools
- Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray
- Taser Shockwave, microwave weapons, water cannons, and long-range acoustic devices (LRADs)
- Kinetic energy weapons and munitions (e.g., 40MM launcher, bean bag shotgun, foam tipped projectiles)
- Any other equipment determined by a governing body or a state agency to require additional oversight.

DEPARTMENT INVENTORY

The following is a summary of the Military Equipment owned and maintained by the Sierra Madre Police Department as defined by California Government Code §7070 and §7071:

Item	Quantity Owned	Gov't Code Subsection
<p>Remington 870 Less Lethal Shotgun</p>  A Remington 870 Less Lethal Shotgun with a yellow and black handle and a black barrel, lying on a wooden surface. A small yellow and black cartridge is visible next to it.	6	7070(c)(14)
<p>40mm Less Lethal Launcher</p>  A 40mm Less Lethal Launcher, a black handgun-style device, lying on a wooden surface. It has a black strap and a black carrying case with blue and white markings next to it.	1	7070(c)(14)
<p>PepperBall Tactical Launcher</p>  A PepperBall Tactical Launcher, a black handgun-style device, lying on a wooden surface. It has a black strap and a black carrying case next to it. A small white card with a red and blue dot is also visible.	1	7070(c)(12)

Item	Quantity Owned	Gov't Code Subsection
<p>Autel EVO II UAS</p> 	<p>1</p>	<p>7070(c)(1)</p>
<p>Autel EVO II Pro 6K UAS</p> 	<p>1</p>	<p>7070(c)(1)</p>
<p>Autel EVO II Nano+ UAS</p> 	<p>1</p>	<p>7070(c)(1)</p>
<p>DJI Mavic Mini UAS</p> 	<p>2</p>	<p>7070(c)(1)</p>

DEPARTMENT INVENTORY

EQUIPMENT OWNED BY THE SIERRA MADRE POLICE DEPARTMENT GOVERNMENT CODE § 7070(c)(14)	
Description	Remington 870 Shotgun and Kinetic Energy Munitions
Quantity	6
Capabilities	The shotgun Less Lethal platform is capable of firing Defense Technologies Drag Stabilized Beanbag Munitions, which are fiber bean bag projectile
Expected Lifespan	20 years Shotgun / 5 years Beanbag Munition
Manufacturer's Description	This shotgun is a U.S.-made pump-action shotgun. The stock and foregrip is comprised of fiberglass-reinforced polymer with a rubber over-molding. The Remington Shotgun is milled from a single block of steel.
Purpose(s) Authorized Use	The shotgun Less Lethal platform and Kinetic Energy Munitions are intended for use as a less-lethal use-of-force option
Initial Cost	\$1,700
Annual Cost	\$700 (includes fiber bean bag projectiles)
Legal	All applicable State, Federal, and Local laws governing police use of force
Procedural	Policy § 300 – Use of Force, 303 – Control Devices and Techniques, 706- Military Equipment
Required Training	Four hours of initial training and four hours every year (includes qualification)
Other	Once the single-shot 40mmn less lethal launchers are rotated into service, these less-lethal shotguns will be retired and removed from the SMPD's inventory

Government Code Section § 7072 – Annual Report: Remington 870 Shotgun and Kinetic Energy Munitions	
Summary of how the military equipment was used and the purpose of its use	<p>This equipment is used in situations where a subject is armed with a weapon or a situation that requires a less-than-lethal option to be deployed. The less lethal munitions are used to disarm individuals from a safe distance.</p> <p>In March 2022, the less lethal shotgun was deployed and used against an individual that displayed a weapon, a possible firearm, threatening officers. The subject eventually dropped the weapon and was taken into custody.</p>
Complaints or Concerns	SMPD did not receive any complaints or concerns
Audits, Violations, Actions	There were no violations of any audits, deployment, or policies.
Total Annual Cost:	Acquisition: \$0 Training: \$700 Others: \$0 Funding Source: Police Department Budget
Quantity:	6
Intention to acquire more:	No
Note	The less lethal shotgun will be retired from service within the next two (2) years.

EQUIPMENT OWNED BY THE SIERRA MADRE POLICE DEPARTMENT GOVERNMENT CODE § 7070(c)(14)	
Description	40mm Less Lethal Launchers and Kinetic Energy Munitions
Quantity	1
Capabilities	The 40mm Less Lethal Single shot Launcher is capable of firing 40mm Kinetic Energy Munitions, known as sponge projectiles
Expected Lifespan	20 years
Manufacturer's Description	Defense Technology Tactical LMT 40mm is a single shot launcher with an expandable Rogers Super Stock and adjustable Integrated Front Grip (IFG) with light rail, Ambidextrous Lateral Sling Mount (LSM), and QD mounting systems. The Defense Technology Tactical LMT 40mm will fire a standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.
Purpose(s) Authorized Use	The 40mm Less Lethal Launchers and Kinetic Energy Munitions are intended for use as a less-lethal use-of-force option
Initial Cost	\$1,200.00
Annual Cost	\$ 500.00 (includes sponge projectiles for training)
Legal	All applicable State, Federal, and Local laws governing police use of force
Procedural	Policy § 300 – Use of Force, 309 - 40MM Less Lethal Launcher Guidelines, 706- Military Equipment
Required Training	Four hours of initial training and four hours every year (includes qualification)
Other	The single-shot 40mm less lethal launchers will replace the less-lethal shotgun as the primary kinetic energy system.

Government Code Section § 7072 – Annual Report: 40mm Less Lethal Launchers and Kinetic Energy Munitions	
Summary of how the military equipment was used and the purpose of its use	This equipment is used in situations where a subject is armed with a weapon or a situation that requires a less-than-lethal option to be deployed. The less lethal munitions are used to disarm individuals from a safe distance. This equipment was deployed but has yet to be used in different incidents.
Complaints or Concerns	SMPD did not receive any complaints or concerns
Audits, Violations, Actions	There were no violations of any audits, deployment, or policies.
Total Annual Cost:	Acquisition: \$0 Training: \$500 Others: \$0 Funding Source: Police Department Budget
Quantity:	1
Intention to acquire more:	No
Note	The single-shot 40mm less lethal launchers will replace the less-lethal shotgun as the primary kinetic energy system.

EQUIPMENT OWNED BY THE SIERRA MADRE POLICE DEPARTMENT GOVERNMENT CODE § 7070(c)(12)	
Description	PepperBall Full Tactical Carbine (FTC) Launcher and Pava (OC) Projectiles
Quantity	1
Capabilities	The PepperBall FTC launcher is capable of firing paintball size kinetic energy munition filled with an oleoresin capsicum powder mixture.
Expected Lifespan	20 years
Manufacturer's Description	<ul style="list-style-type: none"> PepperBall FTC Launcher: The PepperBall FTC launcher, with its simple-to-operate controls, functions in semiautomatic mode only and is supplied with an adapter so it can be deployed in a bottle-forward or bottle-rearward configuration. The hopper can hold up to 180-round pepper ball projectiles. The PepperBall FTC can utilize an electronic or gravity feed hopper and exhibits a profile that is distinct to officers and the public. The FTC utilizes a 0.68 caliber projectile with a maximum distance of 150 feet. The FTC has a height of 13in/33cm and a length of 8.5in/21.6cm (without tank) with an overall weight of 2.95 lbs. PepperBall Live Pava (OC) Powder Projectiles: The classic .68 caliber PepperBall projectiles. Contains 2% PAVA and is excellent for direct impact and area saturation, especially in confined interior spaces. Ultrasonically welded, 100% waterproof, and non-flammable.
Purpose(s) Authorized Use	The PepperBall FTC and Pava (OC) Powder Projectiles are intended as a less-lethal use-of-force option.
Initial Cost	\$1,300
Annual Cost	0
Legal	All applicable State, Federal, and Local laws governing police use of force
Procedural	Policy § 300 – Use of Force, 303 – Control Devices and Techniques, 706 - Military Equipment
Required Training	Four hours of initial training and four hours every year (includes qualification)
Other	None

Government Code Section § 7072 – Annual Report: PepperBall Full Tactical Carbine (FTC) Launcher and Pava (OC) Projectiles	
Summary of how the military equipment was used and the purpose of its use	<p>This equipment is used in situations where a subject is armed with a weapon, a situation that requires a less-than-lethal option to be deployed, or used to disperse animals. The less lethal munitions are used to disarm individuals from a safe distance.</p> <p>This equipment was deployed but mostly used to disperse bears. It was not used on a person.</p>
Complaints or Concerns	SMPD did not receive any complaints or concerns
Audits, Violations, Actions	There were no violations of any audits, deployment, or policies.
Total Annual Cost:	Acquisition: \$0 (no new shotguns were acquired) Training: \$700 Others: \$0 Funding Source: Police Department Budget
Quantity:	1
Intention to acquire more:	None

**EQUIPMENT OWNED BY THE SIERRA MADRE POLICE DEPARTMENT
GOVERNMENT CODE § 7070(c)(1)**

Description	Unmanned Aerial System (UAS), remotely piloted, powered aircraft
Quantity	Total of 5 UAS: <ol style="list-style-type: none"> 1. Autel EVO II 2. Autel EVO II Pro 6K 3. Autel EVO II Nano+ 4. DJI Mavic Mini / 2
Capabilities	UAS can be remotely navigated to provide scene information and intelligence in the form of video and still images transmitted to first responders.
Expected Lifespan	5-10 years
Manufacturer's Description	<ol style="list-style-type: none"> 1. The Autel EVO II drone provides hi-end specifications and abilities well beyond videography and photography. The 7100mAh battery lets it fly for up to 40 minutes at a time, the motors can fly in Ludicrous Speed mode at up to 44.8 mph, and you can transmit HD footage back to the controller's 3.3" OLED screen from up to 5.6 miles away. While flying and tracking, 12-sensor omnidirectional obstacle avoidance is coupled with a dual-core processor and AI machine learning to let the EVO II navigate itself around the environment safely, while still getting the shot. 2. The Autel EVO II Pro 6K drone provides hi-end specifications and abilities well beyond videography and photography. The 7100mAh battery lets it fly for up to 40 minutes at a time, the motors can fly in Ludicrous Speed mode at up to 44.8 mph, and you can transmit HD footage back to the controller's 3.3" OLED screen from up to 5.6 miles away. While flying and tracking, 12-sensor omnidirectional obstacle avoidance is coupled with a dual-core processor and AI machine learning to let the EVO II Pro 6K navigate itself around the environment safely, while still getting the shot. 3. The Autel EVO II Nano+ drone has a 1/1.28-inch CMOS sensor for 50MP photos. The Nano+ offers superior noise reduction capabilities and the power to effortlessly produce quality images in low-light conditions thanks to its RYYB color filter array design with a large fixed aperture of f/1.9. Track fast-moving subjects with incredible precision through a PDAF + CDAF autofocus system. Squeeze rich detail from shadows and highlights no matter how extreme the lighting conditions using HDR mode, which rapidly snaps several photos at different exposures so they can be stitched together in post-production. 4. The DJI Mavic Mini features a Downward Vision System and Infrared Sensing System, DJI Mavic Mini can hover and fly indoors as well as outdoors and return to home automatically. With a fully stabilized 3-axis gimbal and 1/2.3" sensor camera, Mavic Mini shoots 2.7k video and 12 MP photos. Mavic Mini has a maximum flight speed of 29 mph (46.8 kph) and a maximum flight time of 30 minutes. Mavic Mini boasts a folded design and an ultralight weight of 249 g, making it easy to transport. The Intelligent Flight Mode QuickShots provide four sub-modes, which can automatically shoot and generate different styles of video.
Purpose(s) Authorized Use	UAS may be used in any way that supports the SMPD mission to protect lives and property when not otherwise prohibited by policy or statute. This may include but is not limited to, search and rescue operations, documentation of crimes or accident scenes, documentation of wildlife emergencies or natural disasters, monitoring hazards, suspect apprehension, scene security, crisis communications, emergency calls for service, tactical operations, legally authorized surveillance, or other uses.
Initial Cost	<ol style="list-style-type: none"> 1. Autel EVO II / \$12,000 2. Autel EVO II Pro 6K / \$2,500

	3. Autel EVO II Nano+ / \$2,100 4. DJI Mavic Mini / \$0.00 (demo models)
Annual Cost	\$0.00
Legal	All applicable State, Federal, and Local laws governing police use of force
Procedural	Policy § 609 - Unmanned Aerial Systems (UAS) Operation and 706 - Military Equipment
Required Training	All UAS/Drone operators shall complete training and certification to receive an FAA Remote Pilot License as well as any training as required by the Sierra Madre Police Department in the care, use, or management of the UAS/Drone.
Other	During the 2022 year, SMPD retired two (2) DJI Mavic Mini drones from services.

Government Code Section § 7072 – Annual Report: Unmanned, remotely piloted, powered aerial and ground vehicles	
Summary of how the military equipment was used and the purpose of its use	<p>To enhance the safety of potentially dangerous situations by providing first responders with the ability to monitor the video feed from the equipment camera in hazardous conditions before, or in lieu of, sending in personnel. Remotely piloted ground vehicles may be used to investigate and mitigate potential explosive devices.</p> <p>19 Missions: Support patrol and detective operations and mutual aid for outside agencies with aerial coverage.</p> <ul style="list-style-type: none"> • 1 operation assisted TRAP with their operation • 4 operations involved homeless encampments within the city • 6 operations involved Department Calls for service • 2 operations involving event/crowd safety • 1 operation assisting a local agency with a Call for Service • 1 operation involving a search warrant pre-planning for an outside agency • 3 operations involving Department ICAC operation • 1 training operation
Complaints or Concerns	SMPD did not receive any complaints or concerns
Audits, Violations, Actions	There were no violations of any audits, deployment, or policies.
Total Annual Cost:	Acquisition: \$ 0 Training: \$ 0 Others: \$ 0 Funding Source: Police Department Budget
Quantity:	5
Intention to acquire more:	SMPD will look to replace the Autel EVO II Nano+ within the next two (2) years with an updated version of the equipment that would provide a better ability to be used indoors.

EQUIPMENT ACQUISITION REQUEST

SMPD joined the Foothill Special Enforcement Team (FSET) in 2019, Since joining FSET, department personnel have been a part of the Tactical Dispatcher and Crisis Negotiation Teams. Recently we had three department personnel become a part of the Entry Team. As part of that team, each member must be issued a fully auto AR-15 rifle. The Department is requesting approval to purchase the below rifle.

SIERRA MADRE POLICE DEPARTMENT ACQUISITION REQUEST	
GOVERNMENT CODE § 7070(c)(10)	
Description	Specialized Firearms and Ammunition of Less Than .50 Caliber
Equipment Name:	Colt M4 Enhanced Patrol Rifle 5.56mm Full-Auto and 5.56 / .223 caliber ammunition
Quantity	Owned: Zero (0) Sought: Five (5)
Lifespan	20 years
Manufacturer's Description	<ul style="list-style-type: none"> Colt M4 Select Fire Carbine Model R0933-EPR Rapid response, maneuverability, and enhanced firepower play a major part in joint and coalition operations in modern warfare. Colt's M4 Commando® was designed to exploit firepower capability in confined spaces where lightweight mobility, speed, and violence of action rule. The Commando can be comfortably carried with its 11.5" barrel yet be instantly available to provide the type of firepower required to overmatch combatants. Because it provides the full 5.56mm power and accuracy in a very compact sub-machine gun size weapon, the Commando is often chosen over smaller, less powerful sub-machine guns. Regardless of the application, the Colt M4 Commando provides superior qualities enabling operators to accomplish an increasingly wide range of combat missions.
Purpose(s) Authorized Use	This equipment is the primary rifle for personnel assigned to the Foothill Special Enforcement Team (FSET) team.
Initial Cost	<p>SMPD will be purchasing four (4) rifles and attachments at the cost of \$9,374.44; this will include the following:</p> <ul style="list-style-type: none"> Colt M4 Select Fire Carbine Model R0933-EPR rifle Aimpoint RDS Duty Rifle Red Dot 2 MOA with 39MM TNP mount Surefire Scout Light Pro with MLOK mount Surefire Scout Light remote pressure switch VTAC 2-point sling Magpul QD sling attachment <p>The Department is seeking approval to purchase four (4) rifles for our current team members but obtain approval for up to five (5) rifles in total. We will keep a constant inventory of four rifles to ensure that a team member has a rifle available for deployments in case their rifle is being inspected for annual maintenance or repair.</p> <p>The fifth rifle approval will allow the Department to quickly replace a rifle within budget if it needs to be replaced due to an unforeseen equipment failure.</p> <p>The cost of ammunition for training and operations in Fiscal Year 2023-2024 is \$ 7,500.</p>
Legal	All applicable State, Federal, and Local laws governing police use of force
Procedural	All applicable local, state, and federal laws, rules, and regulations governing the use of firearms and any such agency policies.

Required Training	All persons qualified to use and assigned to carry the Colt M4 Select Fire Carbine or other rifles designated under California Penal Code §33220(b) undergo a California POST Approved course as well as regular departmental firearms training, and qualifications as specified by law, POST regulations,, and department policy.
Other	SMPD is a part, are trained in the safe, appropriate use of and are issued the Colt M4 rifle. The training includes the minimum standards established by California Penal Code §33220(b) and the firearm training standards set by FSET. Those training days will be planned and overseen by POST Certified Range Instructors assigned to FSET and annual qualifications with the Colt M4.

For 2023 (January-December), the Sierra Madre Police Department projects the purchase of ammunition for 40MM, Pepper Ball, and Colt M4 to replenish inventory due to training and critical incident use. The estimated purchase price between two (2) department budget lines for the equipment is approximately \$10,000.00.

The operating costs of this equipment, which include the acquisition, personnel time, training facilities, transportation/storage of equipment, equipment upgrades, and other ongoing expenses, are budgeted within the Department's approved operating budget for FY 22-23 and FY 23-24.

CONCLUSION

This report reaffirms the Sierra Madre Police Department's commitment to providing transparency and information to our communities and elected officials. The equipment, resources, and training outlined in this report allow Sierra Madre personnel to better serve and protect all within the Sierra Madre community, enhance the safety of officers and the community, and bring critical incidents to a safe resolution. We also strive to ensure compliance with California State law.

