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Executive Summary

On September 30, 2021, California Governor Gavin Newsom approved Assembly Bill 481, requiring law enforcement agencies to obtain approval from the applicable governing body (Mayor and City Council), by adoption of a military equipment use policy. The Sacramento Police Department is required to seek City Council approval of their Military Equipment Use Policy at a regular open meeting prior to taking certain actions relating to the funding, acquisition, and use of military equipment.

Assembly Bill 481 allows the governing body to approve the funding, acquisition, and use of military equipment within its jurisdiction, only if it determines that the military equipment meets specified standards. The Military Equipment Use Policy is subject to City Council review to determine whether the standards set forth in Assembly Bill 481 have been met, based upon an Annual Military Equipment Use Report.

Finally, Assembly Bill 481 requires publication of the Military Equipment Use Policy and the Annual Military Equipment Use Report on the Department's website.

Assembly Bill 481

California Government Code section 7072 states the following:

- (a) A law enforcement agency that receives approval for a military equipment use policy pursuant to Section 7071 shall submit to the governing body an annual military equipment report for each type of military equipment approved by the governing body within one year of approval, and annually thereafter for as long as the military equipment is available for use. The law enforcement agency shall also make each annual military equipment report required by this section publicly available on its internet website for as long as the military equipment is available for use. The annual military equipment report shall, at a minimum, include the following information for the immediately preceding calendar year for each type of military equipment:
- (1) A summary of how the military equipment was used and the purpose of its use.
- (2) A summary of any complaints or concerns received concerning the military equipment.
- (3) The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response.
- (4) The total annual cost for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs, and from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report.



- (5) The quantity possessed for each type of military equipment.
- (6) If the law enforcement agency intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment.
- (b) Within 30 days of submitting and publicly releasing an annual military equipment report pursuant to this section, the law enforcement agency shall hold at least one well-publicized and conveniently located community engagement meeting, at which the general public may discuss and ask questions regarding the annual military equipment report and the law enforcement agency's funding, acquisition, or use of military equipment.

In addition to maintaining the highest levels of public safety, The Sacramento Police Department is committed to transparency, public trust, community partnerships, and compliance with the law. As such, the Department has authored the following Annual Military Equipment Use Report in accordance with annual reporting requirements set forth in California Government Code section 7072.





Introduction

The Sacramento Police Department possesses and employs a wide variety of military equipment to assist in safely achieving the furtherance of its mission statement to "work in partnership with the Community to protect life and property, solve neighborhood problems, and enhance the quality of life in our City." While the inventory of military equipment varies, the mere possession of the equipment does not warrant its use for every incident.

The Sacramento Police Department recognizes that critical incidents are unpredictable and can be very dynamic in nature. A variety of equipment options can greatly assist incident commanders, officers, and specific units in bringing those incidents to a swift resolution, in a safe manner. The use of military equipment is restricted to certain instances and in some cases only by certain units. The use of the Department's military equipment is continuously evaluated and the use of such equipment by department personnel is influenced by the totality of the circumstances, public safety, officer safety, civil rights, State law, and information available at the time of use.

It is incumbent upon incident commanders, supervisors, individual officers, and specific units to recognize the particular circumstances wherein military equipment should be employed to enhance the safety of the public and officers, and to bring a critical incident to a safe resolution.

This Annual Military Equipment Use Report outlines a summary of military equipment usage guidelines, inventory, fiscal impact, complaints, and reported concerns from December 14, 2021, through April 30, 2022.





Definitions

Pursuant to <u>California Assembly Bill 481</u>, the following definitions are applicable only to the Sacramento Police Department's current military equipment inventory and potential military equipment acquisitions for operational needs. For a more detailed list of "military equipment" definitions, refer to California Government Code sections 7070(c)(1) through (16).

- "Governing body" means the Sacramento City Council and Mayor.
- "Military equipment" means any wide variety of items as defined by California Government Code section 7070, subsections (c)(1) through (c)(16) to include:
- 1. **Unmanned Aircraft System (UAS):** An unmanned aircraft along with the associated equipment to control it remotely.
- 2. **Robots:** A remotely controlled unmanned machine that operates on the ground, which is utilized to enhance the safety of the community and officers.
- 3. **Armored Vehicles:** Commercially produced wheeled armored personnel vehicle utilized for law enforcement purposes.
- 4. **NIJ Level IV Armored Caterpillar (CAT) Multi-Terrain Loader (The ROOK):** The ROOK is a custom "armored critical incident vehicle" built on the chassis of a CAT Bulldozer, manufactured by Ring Power.
- 5. **Mobile Incident Command Vehicle (MIC):** A vehicle used as a mobile office that provides shelter, access to Department computer systems, and restroom facilities during extended events.
- 6. **Crisis Negotiation Team (CNT) Vehicle:** A vehicle used as a mobile office that provides shelter, access to Department computer systems, and restroom facilities on extended events.
- 7. **Long Range Acoustic Device (LRAD):** A high intensity directional acoustic array for long-range, crystal-clear hailing and notification. The LRAD is only authorized for use as a communication device.
- 8. **40mm Launchers and Munitions:** 40mm Launchers are utilized by department personnel as a less lethal tool to launch impact rounds.
- 9. **Less Lethal Shotguns and Munitions:** A shotgun used to deploy the less lethal shotgun munitions.
- 10. **Combined Systems LC5 Launching Cup:** A cup that attaches to a less lethal shotgun allowing officers to launch canisters of chemical agent or smoke canisters.
- 11. Diversionary Devices: A device used to distract dangerous persons.



- 12. **Rifles and Munitions:** Guns that are fired from shoulder level, having a longer, grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance.
- 13. **Chemical Agent and Smoke Canisters:** Canisters that contain chemical agents that are released when deployed.
- 14. **Explosive Breaching Tools:** Equipment used to provide an explosive charge to safely gain entry into structures during high-risk operations.
- 15. **PepperBall Launchers and Projectiles:** A device that discharges PAVA powder projectiles.
- 16. "Military equipment" does not include general equipment not designated as prohibited or controlled by the federal Defense Logistics Agency.
- "Military Equipment Use Policy" refers to Sacramento Police Department General Order 410.06 and means a publicly released, written document governing the use of military equipment by the Department that addresses, at a minimum, all of the following:
- 1. A description of each type of military equipment, the quantity sought, its capabilities, expected lifespan, and product descriptions from the manufacturer of the military equipment.
- 2. The purposes and authorized uses for which the Department proposes to use each type of military equipment.
- 3. The fiscal impact of each type of military equipment, including the initial costs of obtaining the equipment and estimated annual costs of maintaining the equipment.
- 4. The legal and procedural rules that govern each authorized use.
- 5. The training, including any course required by the Commission on Peace Officer Standards and Training (POST), that must be completed before any sworn member is allowed to use each specific type of military equipment to ensure the full protection of the public's welfare, safety, civil rights, and civil liberties and full adherence to the Military Equipment Use Policy.
- 6. The mechanisms to ensure compliance with the Military Equipment Use Policy, including which independent persons or entities have oversight authority, and, if applicable, what legally enforceable sanctions are put in place for violations of the policy.
- 7. The procedures by which members of the public may register complaints or concerns or submit questions about the use of each specific type of military equipment, and how the Department will ensure that each complaint, concern, or question receives a response in a timely manner.



Summary of Military Equipment Usages

The City of Sacramento is the sixth largest city in California by population and is home to approximately 500,000 people. The volume of calls for service to which the Sacramento Police Department responds to on an annual basis reflects a population of that size. In 2021, the Department responded to 170,000 calls requiring an officer response and 79,610 officer initiated calls.

In 2021, Sacramento police officers contacted over 250,000 people. Of those contacts, force was used ninety-seven (97) times. Of the force options utilized, military equipment in the form of projectiles were only used during nineteen (19) of those contacts. These statistics illustrate the relatively few instances (less than 1%) of force used by Sacramento police officers in relation to overall contacts. Moreover, force used involving the use of military equipment is an even smaller subset of the overall force used during this time span.

While the Sacramento Police Department's inventory of military equipment is varied, the mere possession of the equipment does not warrant its use for every incident. The Sacramento Police Department recognizes that critical incidents are unpredictable and can be very dynamic in nature. A variety of military equipment options can greatly assist incident commanders, officers, and specific units in bringing those incidents to a swift resolution in a safe manner. The use of military equipment is restricted for use only in certain instances and in some cases only by certain units.

This section outlines the military equipment usage from December 14, 2021, to April 30, 2022. Certain items of military equipment, particularly consumables (ammunition, diversionary devices, pepper balls, chemical agents, etc.) are used throughout the year on a regular basis for training to maintain proficiency. Training usage is not captured in this section. This section only provides data for the operational use of military equipment listed within this Annual Military Equipment Use Report.

Outreach and Community Engagement

The Sacramento Police Department is committed to improving the trust and confidence between the Department and the community it serves. As the Department strives to enhance community relationships and continues to be a progressive leader amongst law enforcement agencies nationwide, we want to ensure the public has access to the way its Police Department operates and engages with the public. The Sacramento Police Department regularly utilizes select military equipment, including UAS, Armored Vehicles, the Mobile Incident Command and Crisis Negotiation Team Vehicles, during outreach and community events, as a means of public awareness, transparency and education. Military equipment may also be displayed during community events as a means of providing a safe environment for the public to enjoy all of the great amenities the City of Sacramento has to offer.



The following is the data for Military Equipment Use by category:

Unmanned Aircraft Systems (UAS)

Unmanned Aircraft Systems were utilized a total of one hundred and thirty-nine (139) times from December 14, 2021, through April 30, 2022.

Authorized usages:

- Collection of evidence in the form of aerial photography/video in support of an investigation (i.e., shooting scenes, homicide scenes).
- Support of SWAT and Patrol during high risk, tactical or other public safety lifepreservation missions (i.e., interior visual assessments of structures or outdoor areas to gain intelligence prior to officers entering a dwelling or contacting a potentially armed, or resistive subject that may be hiding).
- Delivery of items (i.e., CNT phone) during critical incidents to engage in de-escalation and/or crisis intervention techniques to resolve incidents peacefully.
- Conduct aerial searches for missing persons.
- Provide aerial observation to assist in managing natural disasters (i.e., fires, floods, storms).

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

Robots

Robots were utilized a total of six (6) time from December 14, 2021, through April 30, 2022.

- Robots utilized by Explosive Ordinance Disposal (EOD) utilized one (1) time
- Robots utilized by UAS utilized four (5) times

Authorized usages:

- Support of SWAT and Patrol during high risk, tactical, or other public safety life preservation missions to include:
- Opening doors to clear buildings for public safety and life preservation missions.
- Provide interior visual assessments of structures or outdoor areas to gain intelligence prior to officers entering a dwelling or contacting a potentially armed, or resistive subject that may be hiding).
- Delivery of items (i.e., CNT phone) during critical incidents to engage in de-escalation and/or crisis intervention techniques in attempt to resolve incidents peacefully.
- Support of EOD unit during tactical and life preservation missions by disrupting suspicious packages that pose a potential risk for the public.

Unauthorized usages:



Armored Vehicles

The BearCat G2 and BearCat G3 were utilized a total of seventy-nine (79) times from December 14, 2021 through April 30, 2022.

Authorized usages:

 Support of SWAT and Patrol during critical incidents by providing greater safety to community members and officers beyond the protection level of a shield and/or personal body armor.

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

Mobile Incident Command Vehicle and Crisis Negotiation Team Vehicle

The Mobile Incident Vehicle and the Crisis Negotiation Team Vehicle were utilized two (2) times from December 14, 2021, through April 30, 2022.

Authorized usages:

- Utilized as command post for critical incidents during complex events.
- Natural disasters (i.e., mutual aid for large scale fires or flooding).
- Other large-scale events to provide high visibility and public safety.

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

Long Range Acoustic Device (LRAD)

The LRAD's were utilized a total of thirty-four (34) times between December 14, 2021, through April 30, 2022.

Authorized usages:

- Provide dispersal orders (unlawful assembly) during crowd and riot control situations.
- May be used as a public address (PA) system to notify or warn the public in the event of civil emergencies, natural disasters, evacuation orders, and/or police incidents (i.e., missing persons, perimeters for wanted subjects, K-9 deployments).
- Communicate with a subject during a law enforcement operation where direct communication is not possible (i.e., armed barricaded subject, hostage situation).

Unauthorized usages:



40mm Launchers and Munitions

The 40mm Launcher was utilized during three (3) calls for service between December 14, 2021, through April 30, 2022.

- 40mm Impact related rounds utilized during two (2) calls for service
- 40mm OC related rounds utilized during one (1) call(s) for service
- 40mm related CS related rounds utilized zero (0) times
- 40mm pyrotechnic related rounds utilized zero (0) times
- 40mm aerial warning/signaling related rounds utilized zero (0) times

Authorized usages:

- Safely address an individual who displays self-destructive, dangerous, or combative behavior.
- Safely address an armed, or potentially armed, or violent individual.
- During riot/crowd control and civil unrest incidents where the use of the 40mm is considered objectively reasonable to defend against a threat to life or serious bodily injury to any individual, including any peace officer, or to bring an objectively dangerous and unlawful situation safely and effectively under control (in compliance with Assembly Bill 48).
- Circumstances to gain a tactical advantage during critical incidents or high-risk entries where public safety and/or officer safety is at risk. (i.e., breaking out a vehicle window to get an unobstructed view of an armed barricaded individual).
- Potentially vicious animal (i.e., an aggressive animal trying to harm member(s) of the community or an officer).

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

Combined Tactical Systems LC5 Launching Cup

The Combined Tactical Systems LC5 Launching Cup was utilized zero (0) times operationally from December 14, 2021, through April 30, 2022. Authorized usages are covered under 40mm launchers and related munitions.

Unauthorized usages:



Less Lethal Shotguns and Munitions

Less Lethal Shotguns were utilized during seven (7) calls for service between December 14, 2021, through April 30, 2022.

- 12-Gauge Super-Sock Beanbag round utilized during seven (7) calls for service
- 12-Gauge Muzzle Blast CS round utilized zero (0) times

Authorized usages:

- Safely address an individual who displays self-destructive, dangerous, or combative behavior.
- Safely address an armed, or potentially armed, or violent individual.
- During riot/crowd control and civil unrest incidents where the use of the beanbag shotgun
 is considered objectively reasonable to defend against a threat to life or serious bodily
 injury to any individual, including any peace officer, or to bring an objectively dangerous
 and unlawful situation safely and effectively under control (in compliance with Assembly
 Bill 48).
- Circumstances where a tactical advantage can be obtained (i.e., making high risk entries to include disabling surveillance cameras)
- Potentially vicious animal (i.e., an aggressive animal trying to harm member(s) of the community or an officer)

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

Rifles and Munitions

Rifles were utilized zero (0) times between December 14, 2021, through April 30, 2022.

Authorized usages:

 In accordance with California Penal Code section 835a and SPD General Order 580.02 (Use of Force)

Unauthorized usages:



Diversionary Devices

Diversionary Devices were utilized a total of eight (8) times between December 14, 2021, through April 30, 2022.

Authorized usages:

- Support SWAT during call outs and high-risk warrant services
- Distract dangerous suspects during assaults
- Hostage rescue incidents
- High-risk room entries

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

Chemical Agents and Smoke Canisters

Chemical Agents and Smoke Canisters were utilized zero (0) times between December 14, 2021, through April 30, 2022.

- CS Canister/Grenade utilized zero (0) times
- OC Canister/Grenade utilized zero (0) times
- Smoke Canister/Grenade utilized zero (0) times
- OC Fogger utilized zero (0) times
- OC Stream utilized zero (0) times

Authorized usages:

- Safely address an individual who displays self-destructive, dangerous, or combative behavior.
- During riot/crowd control and civil unrest incidents where the use of chemical agents is considered objectively reasonable to defend against a threat to life or serious bodily injury to any individual, including any peace officer, or to bring an objectively dangerous and unlawful situation safely and effectively under control (in compliance with Assembly Bill 48)
- Circumstances to gain a tactical advantage during critical incidents or high-risk entries where public safety and/or officer safety is at risk.
- Potentially vicious animal (i.e., an aggressive animal trying to harm member(s) of the community or an officer).

Unauthorized usages:



Explosive Breaching Tools

Explosive Breaching Tools were utilized zero (0) times between December 14, 2021, through April 30, 2022.

Authorized usages:

 Safely enter a structure for public safety and life preservation missions (i.e., an explosive breach may be utilized to breach the front door of a residence in which a suspect armed with a handgun is or has been threatening another person).

Unauthorized usages:

• There have been zero (0) reported violations of the military equipment use policy from December 14, 2021, through April 30, 2022.

PepperBall Launchers and Projectiles

PepperBall Launchers were utilized during four (4) calls for service between December 14, 2021, through April 30, 2022.

Authorized usage:

- Safely address an individual who displays self-destructive, dangerous, or combative behavior.
- Safely address an armed, or potentially armed, or violent individual.
- During riot/crowd control and civil unrest incidents where the use of the 40mm is considered objectively reasonable to defend against a threat to life or serious bodily injury to any individual, including any peace officer, or to bring an objectively dangerous and unlawful situation safely and effectively under control (in compliance with Assembly Bill 48).
- Circumstances to gain a tactical advantage during critical incidents or high-risk entries where public safety and/or officer safety is at risk (i.e., deploying into a structure/vehicle where a barricaded subject is with the result being a peaceful surrender).
- Potentially vicious animal (i.e., an aggressive animal trying to harm member(s) of the community or an officer).

Unauthorized usages:



Inventory by Equipment Type

December 14, 2021, through April 30, 2022

Note: The inventory of certain items of consumable military equipment (i.e. ammunition, diversionary devices, chemical agents, etc.) frequently fluctuates throughout the year due to operational usage, training usage, operational wear, and/or manufacturer recommended replacement guidelines. While the Sacramento Police Department strives to provide accuracy in its inventory reporting, this report reflects approximations of certain consumable items of military equipment during the time period listed above.

Unmanned Aircraft System (UAS)	
Equipment Name and Model / Manufacturer	Quantity
Mavic Mini / DJI	6
Inspire 2 / DJI	1
Mavic 2 Enterprise Dual / DJI	35
Mavic 2 Enterprise Advanced / DJI	2
M300 RTK with H20T / DJI	1
Mavic Pro / DJI	1
Mobula 7 / Happymodel	18
Kopis / Holybro	1
A75 / iFlight	2
A85 / iFlight	12

Robots	
Equipment Name and Model / Manufacturer	Quantity
Andros F6A / Remotec	2
Dragon Runner / Qinetiq	1
Temper Gen2 4WD / ECX	1
Night Crawler SE 4WD / Losi	1

Armored Vehicles	
Equipment Name and Model / Manufacturer	Quantity
Bearcat G2 / Lenco	1
Bearcat G3 / Lenco	1



NIJ Level IV Armored Caterpillar (CAT) Multi-Terrain Loader (The ROOK)		
Equipment Name and Model / Manufacturer	Quantity	
The ROOK Modified CAT Compact Track Loader Chassis / Ring	0 - Purchase	
Power Corporation	Pending Approval	
Mobile Incident Command (MIC) Vehicle		
Equipment Name and Model / Manufacturer	Quantity	
M2, Custom Built / Freightliner	1	

Crisis Negotiation Team (CNT) Vehicle	
Equipment Name and Model / Manufacturer	Quantity
MT-55, Custom Built / Freightliner	1

Long Range Acoustic Device (LRAD)	
Equipment Name and Model / Manufacturer	Quantity
LRAD 100x Mag – HS Kit / Genasys Inc.	2
LRAD 300x-RE / Genasys, Inc.	1
LRAD 500x-RE / Genasys, Inc.	1

40mm Launchers and Munitions	
Equipment Name and Model / Manufacturer	Quantity
40mm Launchers	
40mm Single Shot Launcher #1425 / Defense Technology	100
40mm Tactical 4-Shot Launcher #1440 / Defense Technology	2
40mm Munitions	
40mm Exact Impact Sponge Round #6325 / Defense Technology	96 rounds
40mm Direct Impact OC Crushable Foam Round #6320 / Defense	96 rounds
Technology	
Ferret 40mm Liquid Barricade Penetrator Round #2262 / Defense	50 rounds
Technology	
Spede-Heat 40mm Long Range, CS #6182/ Defense Technology	35 rounds
Spede-Heat 40mm Long-Range Round Saf-Smoke #6183 / Defense	35 rounds
Technology	
40mm Round Muzzle Blast with OC #6040 / Defense Technology	47 rounds
40mm Warning/Signaling Munition with OC #6028OC / Defense	44 rounds
Technology	
40mm Warning/Signaling Munition with CS #6028CS / Defense	50 rounds
Technology	
40mm Warning/Signaling Munition #6028WS	50 rounds



Less Lethal Shotguns and Munitions	
Equipment Name and Model / Manufacturer	Quantity
Less Lethal Shotgun	
Model 870, 12-Gauge Shotgun / Remington Firearms	619
Less Lethal Munitions	
12-Gauge Super-Sock Beanbag Round / Combined Systems, Inc.	2525 rounds

Combined Systems LC5 Launching Cup	
Equipment Name and Model / Manufacturer Quantity	
LC5 Launching Cup / Combined Systems, Inc.	2

Diversionary Devices	
Equipment Name and Model / Manufacturer	Quantity
7290-2 Flash-Bang / Combined Systems, Inc.	29
7290M Mini Flash-Bang / Combined Systems, Inc.	108
7290-7 Flash-Bang / Combined Systems, Inc.	11

Rifles and Munitions		
Equipment Name and Model / Manufacturer	Quantity	
Rifles		
AR-10 .308 Caliber Rifle, Model LR-308 / DPMS	2	
Rapid Engagement Precision Rifle MKII 7.62 CAL 20" / LWRC	2	
SWAT Operator Package IC DI 10.5" Rifle / LWRCI	20	
M16A1 Rifle, Converted to Semi-Automatic AR-15 / Colt	322	
M4 Commando 11.5" Rifle / Colt	2	
Munitions		
.223 Caliber 62 Grain Rifle Round / Speer Gold Dot	218 cases	
.223 55 Grain Rifle Round / Federal	1400 cases	
Gold Medal .308 168 Grain Rifle Round / Federal	8 cases	
.308 Win Armour Piercing FMJCH 196 Grain / Ruag Swiss P	58 boxes	
.308 Win Tactical 164 Grain / Ruag Swiss P	9 boxes	



Chemical Agents and Smoke Canisters		
Equipment Name and Model / Manufacturer	Quantity	
Triple-Chaser Separating Canister, CS #1026 / Safariland, LLC / Defense Technology	50 canisters	
Riot Control Continuous Discharge Grenade, CS #1082 / Safariland, LLC / Defense Technology	75 canisters	
Flameless Tri-Chamber CS Grenade #1032 / Safariland, LLC / Defense Technology	20 canisters	
Flameless Expulsion CS Grenade #2042 / Safariland, LLC / Defense Technology	28 canisters	
Flameless Expulsion OC Grenade #2040 / Safariland, LLC / Defense Technology	18 canisters	
Flameless Tri-Chamber Saf-Smoke Grenade #1033 / Safariland, LLC / Defense Technology	100 canisters	
Pocket Tactical Blue Smoke Grenade #1017B / Safariland, LLC / Defense Technology	11 canisters	
Riot Control Continuous Discharge OC Grenade #1080 / Safariland, LLC / Defense Technology	82 canisters	
OC Triple-Chaser Separating Canister #1020 / Safariland, LLC / Defense Technology	26 canisters	
OC Vapor Aerosol Grenade #1056 / Safariland, LLC / Defense Technology	16 canisters	
Han-Ball OC Grenade #1099 / Safariland, LLC / Defense Technology	28 canisters	
OC Aerosol Grenade 1.3% Fogger, 6 ounce, #56854 / Safariland, LLC / Defense Technology	28 canisters	
First Defense 1.3% MK-9 Stream OC Aerosol #56895 / Safariland, LLC / Defense Technology	5 canisters	
First Defense 1.3% MK-9 Fogger OC Aerosol #43953 / Safariland, LLC / Defense Technology	28 canisters	
First Defense 1.3% MK-46V Stream OC Aerosol #43046 / Safariland, LLC / Defense Technology	10 canisters	



Explosive Breaching Tools	
Equipment Name and Model / Manufacturer	Quantity
Detonating Cord / Dyno Nobel Inc.	1,000 feet
Blasting Caps / Dyno Nobel Inc.	90 caps
870 Express Breaching Shotgun / Royal Arms International /	5
Remington Firearms	
Tesar-2 Black Cap 425 Grain Copper Frangible Breaching Round /	201 rounds
Royal Arms International	
Tesar-3 Green Cap 375 Grain Clayvon Copper Frangible Breaching	11 rounds
Round / Royal Arms International	
Tesar-4 Yellow Cap 750 Grain Copper Frangible Breaching Round /	12 rounds
Royal Arms International	
HP Cutter 12-Gauge Hollow Point Rebar Cutter Breaching Round /	24 rounds
Royal Arms International	
FB-82H 12-Gauge 82 Grain Flash Bang Hard Breaching Round /	71 rounds
Royal Arms International	
MB-70S 12-Gauge Muzzle Blast Flash Bang Soft Breaching Round /	29 rounds
Royal Arms International	

PepperBall Launchers and Projectiles	
Equipment Name and Model / Manufacturer	Quantity
VKS Carbine / PepperBall	61
Live Projectile / PepperBall	8 containers (375
	projectiles per
	container)
Live-X Projectile / PepperBall	8 containers (375
	projectiles per
	container)
VXR Live-X Projectile / PepperBall	13 boxes (150
	projectiles per box)



Fiscal Impact

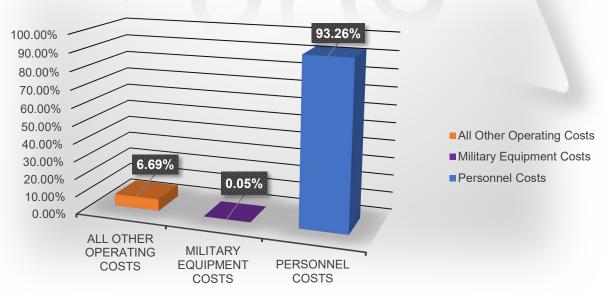
Fiscal Year (FY) 2022

July 2021 - June 2022

Currently the Sacramento Police Department maintains a workforce comprised of over 769 full-time equivalent (FTE) sworn peace officer positions and 357.96 FTE professional staff positions. The department's adopted budget for FY 2021/22 was approximately \$207,654,975, 93% of which is allocated for personnel expenses. The portion of the budget allocated for military equipment expenditures represents only a small fraction of the Department's operating costs. However, the funds spent on military equipment are an integral part of providing the essential resources and material needed to keep the community and officers safe. The significance and enhanced capability that the current military equipment inventory provides is immense and cannot be understated from a public safety perspective.

The following outlines the fiscal impact of military equipment on the annual budget. As evidenced by the chart below and subsequent data tables, military equipment and related costs are nominal as compared to the overall Department budget. Cost breakdowns showcase the individual equipment prices per unit, combined with costs related to training, maintenance, upgrades, other ongoing costs, and source funding:

Sacramento Police Department Amended Budget FY 2021/22





Operating Budget Allocations

Category	FY 2021/22 Amended Budget	Budget Percentage
Personnel Costs	\$193,658,550	93.26%
Military Equipment Costs	\$107,000	0.05%
All Other Operating Costs	\$13,889,425	6.69%
TOTAL	\$207,654,975	100.0%

Military Equipment Expenditures by Category and Projected Cost Fiscal Year 2023

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Category	FY 2021/22 Amended Budget (approximate)	Ongoing Annual Cost/Maintenance FY 2021/22 (approximate)	Projected Annual Cost/Maintenance FY 2022/23 (approximate)
Unmanned Aircraft System (UAS) Maintenance	\$15,000	\$15,000	\$106,000
Robot Maintenance	\$5,000	\$5,000	\$5,000
Armored Vehicles Maintenance	\$10,000	\$10,000	\$10,000
NIJ Level IV Armored Caterpillar (CAT) Multi-Terrain Loader (The ROOK)	\$8,000	\$8,000	\$408,000
Mobile Incident Command Vehicle (MIC)	\$11,000	\$11,000	\$11,000
Crisis Negotiation Team (CNT) Vehicle	\$600	\$600	\$600
Long Range Acoustic Device (LRAD)	\$400	\$400	\$400
40mm Launchers and Munitions	\$5,100	\$5,100	\$5,100
Less Lethal Shotgun and Munitions Maintenance	\$30,950	\$30,950	\$30,950
Combined Systems LC5 Launching Cup	\$0	\$0	\$0
Diversionary Devices	\$0	\$0	\$0
Rifles and Munitions Maintenance	\$17,400	\$17,400	\$17,400
Chemical Agent and Smoke Canisters	\$0	\$0	\$0
Explosive Breaching Tools Maintenance	\$500	\$500	\$500
PepperBall Launchers and Projectiles Maintenance	\$3,050	\$3,050	\$3,050
TOTAL	\$107,000	\$107,000	\$598,000



Fiscal Year (FY) 2023

CONSUMABLE MILITARY EQUIPMENT ACQUISITIONS FY 2023

Projected consumable military equipment acquisitions for FY23 (July 2022 – June 2023) are anticipated to be consistent with current replenishment schedules and quantities for consumables. A variety of commercial factors (i.e. supply and demand, inflation, supply chain issues etc.) may influence the fiscal impact of future military equipment acquisitions and ongoing military equipment consumables can vary according to inventory levels that fluctuate as a result of training, operational usage, or manufacturer recommended replacement guidelines. Categories of consumable military equipment are listed below:

- Ammunition all calibers
- Explosive Breaching Tools
- Chemical Agent and Smoke Canisters
- Specialty Munitions (40mm Munitions and Less Lethal Munitions)
- Diversionary Devices
- PepperBall Projectiles

Funding for the majority of the consumable military equipment for FY23 is anticipated to be sourced from the existing police budget.

NON-CONSUMABLE MILITARY EQUIPMENT ACQUISITIONS FY 2023

Projected non-consumable military acquisitions for FY23 (July 2022-June 2023) are anticipated to be limited at this time. Any unanticipated replacements of existing non-consumable military equipment for FY23 will be initiated on a case-by-case basis that is dependent on operational need, operational wear, or end of serviceable lifespan and will be consistent with the Council-approved policy for acquisitions of military equipment. Categories of non-consumable military equipment are listed below:

- Unmanned Aircraft System (UAS)
- Robots
- Armored Vehicles
- NIJ Level IV Armored Caterpillar (CAT) Multi-Terrain Loader (The ROOK)
- Mobile Incident Command Vehicle (MIC)
- Crisis Negotiation Team (CNT) Vehicle
- Long Range Acoustic Devices (LRAD)
- 40mm Launchers
- Less Lethal Shotguns
- Combined Systems LC5 Launching Cup
- Rifles
- Breaching Shotgun(s)
- PepperBall Launchers



Projected Acquisitions

The Department has the following projected acquisitions of non-consumable military equipment for Fiscal Year 2023:

The Department is requesting acquisition of a NIJ Level IV Armored Caterpillar (CAT) Multi-Terrain Loader (The ROOK). The ROOK is currently being considered via a CAL OES Grant. The grant will be documented to show the need, price, and capabilities for the ROOK. If the ROOK is obtained, it will be the responsibility of the Department to ensure training of personnel for operation of the vehicle. It will also be the responsibility of the Department to handle all maintenance of the vehicle once it is acquired.

The SPD Unmanned Aircraft System (UAS) Team has projected acquisitions for Fiscal Year 2023 of twenty (20) iFlight A75, ten (10) iFlight A85, four (4) DJI Mavic 2 Enterprise Advanced, and two (2) DJI Matrice 30T. The acquisition of these Unmanned Aircraft Systems will come from the Division's budgeted funding.

The remainder of non-consumable military equipment will consist of ongoing maintenance costs. Funding for the majority of non-consumable military equipment is anticipated to be sourced from the existing police budget.

Training Costs

Calendar Year 2021 - Military Equipment Use Training Costs

The use of certain items of military equipment and related special tactics are perishable skills that require ongoing training to maintain proficiency. While the Department conducts constant training within its Training Division and within certain Specialized units (i.e. CNT, SWAT, EOD, etc) there is significant tactical insight and an enhanced skillset to be gained by participating in external training courses. These courses provide officers a curriculum and exercises designed to impart knowledge, skills, and enhanced capability. The courses attended by officers can vary year to year depending on operational need. Funding sources for training are sourced from the existing police budget or grants unless otherwise indicated.

The following are external training classes attended by Department members in 2021 and associated costs related to military equipment covered in the annual equipment report:

Chemical Agents Instructor

Course Presenter: Napa Valley College – Criminal Justice Training Center **Course Content:** A P.O.S.T. certified 24-hour course designed to prepare experienced peace officers as required by section 22820 PC. The course emphasizes issues related to an overview of OC, CS and smoke, delivery methods, decontamination, first aid protocols, legal issues and safety protocols.

Cost: \$642.00/officer (3 Officers - existing police budget)



Police Sniper Response to a Public Venue

Course Presenter: TACFLOW Academy

Course Content: A 40-hour course designed to teach the experienced police sniper how to provide proactive over-watch protection to any public venue where large amounts of people

attend, and that could possibly be a target of a domestic or international attack.

Cost: \$2500.00/officer (2 Officers – existing police budget)

Basic Long Rifle / Observer Course

Course Presenter: Pinnacle Tactical

Course Content: A 40-hour course designed to train law enforcement personnel who are

assigned as police snipers on the tactical team. **Cost:** \$701.00/officer (existing police budget)

Firearms / Tactical Rifle

Course Presenter: Sacramento Police Academy

Course Content: This 18/36-hour CA P.O.S.T. Certified Course provides training in the operation, application, maintenance, and use of the Agency Patrol Rifle. This course satisfies the training requirement specified in Penal Code section 33220(b) and POST regulation 1081.

This course provides updated legislative content of Penal Code Section 835a PC.

Cost: N/A (In-house training - 42 students)

Manual, Mechanical, Ballistic, Thermal, and Hydraulic Breacher Course

Course Presenter: Forced Entry Tactical Training (FETT – USA)

Course Content: Specialized breaching involving manual mechanical, ballistic, thermal, and

hydraulic breaching techniques.

Cost: \$1,500.00/officer (existing police budget)

Unmanned Aircraft Systems PIX4D Training

Course Presenter: Airborne Public Safety Association and Forensic Mapping Solutions, Inc. **Course Content:** This 16-hour course provides training to our Unmanned Aircraft Systems operators in PIX4D. This course provides the necessary instruction to successfully process a crash or crime scene using aerial photogrammetry with Pix4D Mapper Software.

Cost: \$1350.00/officer (existing police budget – 3 officers sent in 2021)



Department Transparency

Community Complaints/Concerns/Comments

In some instances, the application and use of military equipment may cause questions and/or concerns for members of the community. It is vitally important that the Department address questions from community members regarding the application and use of military equipment.

The Sacramento Police Department is committed to full and fair investigations of community member complaints. As such, the Department has sound internal procedures for thorough and impartial investigations of community complaints. Resolving complaints in a fair, impartial, and expeditious manner will ensure the consistent high level of integrity and efficiency maintained by the Sacramento Police Department.

The following is a summary of formal investigations, including officer-involved shootings and the use of military equipment, as investigated by the Sacramento Police Department's Internal Affairs Division and Force Investigations Team from December 14, 2021, through April 30, 2022.

Complaints or Concerns:

The Sacramento Police Department's Inspection and Standards Team conducted an inspection of all reported complaints and concerns from December 14, 2021, through April 30, 2022. The results of the inspection found **zero** (0) complaints or concerns related to the use of military equipment.

Officer-Involved Shootings (OIS):

There were **zero** (**0**) OIS incidents that occurred involving the use of military equipment from December 14, 2021, through April 30, 2022.

Response to Procedure Violations

California Assembly Bill 481, enacted California Government Code section 7072(a)(3), requires local law enforcement agencies to provide information regarding military equipment use procedure violations and responses to those violations. In accordance with the new law, the Sacramento Police Department has actively tracked this information. As of April 30, 2022, there have been **zero** (0) reported violations of the military equipment use policy.

Responses:

Not applicable.



Internal Audits

California Assembly Bill 481, requires local law enforcement agencies to include the results of any internal audits or inspections conducted and any responsive actions in its annual military equipment use report. When an audit is conducted, inspectors shall refer to the department's military equipment use policy for established guidelines regarding funding, acquisition, or use of military equipment.

The duty of auditing the Sacramento Police Department's military equipment use has been assigned to the Department's Inspection and Standards Team (IST). This unit has developed a tracking and auditing process to ensure compliance, consistency, accountability, and transparency as outlined in SPD General Order 410.06 (Military Equipment Use) which states the following:

SPD General Order 410.06 Section F states:

Compliance

"The Department Inspections and Standards Team (IST) will ensure that all Department members comply with this policy. The IST will conduct an annual audit with the assistance of the Professional Standards Unit. The Chief of Police or designee will be notified of any policy violations and, if needed, the violation(s) will be referred to the Internal Affairs Division and handled in accordance with Reference Manual 220.01 (Internal Affairs Investigations). All instances of non-compliance will be reported to City Council via the annual military equipment report.

Internal Audit Results

The Inspection and Standards Team (IST) conducted a total of **4** audits related to department approved military equipment use from December 14, 2021, through April 30, 2022. The detail and results of each audit are listed below:

 AUDIT – The IST completed an audit of department military equipment. The scope of the audit included inspecting equipment type, quantity, verification of serial numbers, and any noted discrepancies compared to the approved SPD Military Equipment Use policy. The methodology of the audit included onsite inspections and statistical sampling, which is supported by generally accepted government auditing standards.

FINDINGS – During the course of the Military Equipment Use Audit, inspectors located two (2) rifles which had not been previously accounted for. Both rifles were properly identified, inventoried, and added to the military equipment use policy under the established procedures outlined in SPD General Order 410.06.



- 2. AUDIT The IST completed an audit of department-issued less lethal equipment and munitions, to include the 40mm Launcher, PepperBall Launcher, and Less Lethal Shotgun. The scope of the inspection was to ensure operational readiness of the designated equipment assigned to officers and sergeants. This included having sufficient ammunition, functionality of equipment, and proper maintenance. The methodology of the audit included onsite inspections and statistical sampling which is supported by the generally accepted government auditing standards.
 - **FINDINGS** During the course of the Less Lethal Equipment Audit, the IST found some areas that needed improvement to include updating equipment inventory, replacing outdated equipment, and adding equipment that was required to be carried while on-duty. All corrections were made in a timely manner.
- 3. AUDIT The IST completed an audit of the SPD Internal Affairs Division, including both community and internal complaints/concerns as it relates to the use of military equipment. The scope of the inspection was limited to any concerns/complaints involving the usage of military equipment and all responses if applicable. The dates examined were between December 14, 2021, through April 30, 2022.
 - **FINDINGS** The IST did not find any complaints related to the department's military equipment use policy.
- 4. AUDIT The IST assisted the Department of Defense's (DOD) Law Enforcement Support Office (LESO) in a mandatory physical inspection and audit of the Sacramento Police Department's LESO military surplus equipment program. LESO provides law enforcement activities logistical oversight and support in the procurement and accountability of DOD excess property. Part of this equipment included three hundred and twenty-two (322) M-16 rifles, which falls under the Sacramento Police Department's military equipment use policy, pursuant to California Assembly Bill 481. The physical inspection of these rifles took place on April 11, 2022, by auditors from the Office of Emergency Services, Department of Defense, and the Sacramento Police Department's Inspection and Standards Team.

FINDINGS – All military surplus rifles included in the LESO military surplus equipment program were collected, inventoried, and identified, giving the department a 100% compliance rate.



Summary of Military Equipment

The inventory of military equipment, particularly consumable material (diversionary devices, various munitions, explosive breaching tools, chemical agent and smoke canisters, etc.) fluctuates regularly. Fluctuation is based on a variety of factors, including but not limited to operational usage, operational deterioration, training, maintenance, and expiration and replenishment guidelines. The Sacramento Police Department is committed to transparency in disclosing its military equipment inventory and related information to our community and elected officials in compliance with the law.

The following are the various types, descriptions, and guidelines for usage of military equipment currently employed by the Sacramento Police Department.

(NOTE: The manufacturer descriptions and source photos contained within are referenced via publicly accessible website source citations. The website source citations utilized in this report are for equipment descriptive purposes only and are not an endorsement of a particular product or vendor by The City of Sacramento or The Sacramento Police Department. Additionally, the language used by the manufacturer to describe such equipment use is included in this report as required by California Government Code section 7070(d)(1), however, the descriptions may not align with the actual methods of use in accordance with Sacramento Police Department Policy, as well as local, state, and federal law.)





Unmanned Aircraft Systems (UAS)

Unmanned Aircraft Systems (UAS): An unmanned aircraft system of any type that can sustain direct flight, whether remotely controlled or via pre-programing, and all the attached systems designed for gathering information via photography, recording, or any other means.

Capability: The Sacramento Police Department uses Unmanned Aircraft Systems (UAS) of varying sizes and capabilities to enhance public safety. The UAS can be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to major collision investigations, search for missing persons, natural disaster management, crime scene photography, SWAT, tactical or other public safety and life-preservation missions, and in response to specific requests from local, state, or federal fire authorities for fire response and/or prevention. The UAS are used in compliance with all federal, state, and local laws.

Usage: It is the policy of the Sacramento Police Department to utilize UAS only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law. Additionally, only assigned operators who have completed the required training shall be permitted to operate any UAS during approved missions.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Order 525.09 (Unmanned Aircraft Systems), FAA Regulation 14 CFR Part 107 Small Unmanned Aircraft Systems, the City of Sacramento UAS policy, and Penal Code section 13652, initiated by California Assembly Bill 48. More information about the rules for public safety agencies can be found on the FAA website at https://www.faa.gov/uas/public safety gov/. The use of UAS is governed by federal, state and local laws and regulations. The Federal Aviation Admiration (FAA) governs all aircraft rules and regulations, including those applicable to UAS, for flight within the US National Airspace.

Training Requirements: All department UAS operators are licensed by the Federal Aviation Administration for UAS operation after the completion of an 80-hour training course. In addition, each UAS operator must attend 40 hours of department training prior to the operational use of the UAS, followed by quarterly department UAS training.



The Department currently possesses the following Unmanned Aircraft Systems:

DJI Mavic Mini

QUANTITY	6
LIFESPAN	4 years
INITIAL COST	\$400/unit



Manufacturer: DJI

Manufacturer Description: This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each aircraft is equipped with a camera capable of relaying a real-time image back to the operator. This particular model is no longer manufactured.

(Description Source: https://store.dji.com/product/mavic-mini)

DJI Inspire 2

QUANTITY	1
LIFESPAN	3 years
INITIAL COST	\$1,200/unit



Manufacturer: DJL

Manufacturer Description: This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each aircraft is equipped with a camera capable of relaying a real-time image back to the operator.

(Description source: https://www.dji.com/inspire-2)



DJI Mavic 2 Enterprise Dual

QUANTITY	35
LIFESPAN	3-5 years
INITIAL COST	\$5,500/unit



Manufacturer: DJI

Manufacturer Description: Designed to empower a new generation of workers, the Mavic 2 Enterprise is the ultimate expression of a tool that delivers beyond expectation to meet current workplace challenges and future demands. The DJI Mavic 2 Enterprise Dual features; visible & thermal imagery, integrated radiometric FLIR thermal sensor, adjustable parameters for emissivity & reflective surfaces, and multiple display modes (FLIR MSX, Infrared & Visibility). (Description Source: https://www.dji.com/mavic-2-enterprise/specs)

DJI Mavic 2 Enterprise Advanced

QUANTITY	2
LIFESPAN	3-5 years
INITIAL COST	\$6,500/unit



Manufacturer: DJI

Manufacturer Description: Designed to capture accurate details, the Mavic 2 Enterprise Advanced is a highly versatile yet compact tool that features; high-resolution visual & thermal camera, 32x digital zoom, centimeter-level positioning, and RTK omnidirectional obstacle sensing.

(Description Source: https://www.dji.com/mavic-2-enterprise-advanced)



DJI Matrice 300 RTK with H20T

QUANTITY	1
LIFESPAN	3-5 years
INITIAL COST	\$14,000/unit



Manufacturer: DJI

Manufacturer Description: The Matrice 300 RTK is DJI's latest commercial aircraft platform that takes inspiration from modern aviation systems. Offering up to 55 minutes of flight time, advanced AI capabilities, 6 Directional Sensing & Positioning and more, the M300 RTK sets a whole new standard by combining intelligence with high-performance and unrivaled reliability. The Matrice 300 RTK features; 15 km max transmission, 55-min max flight time, 6 directional sensing & positioning, primary flight display, IP45 rating, -20c to 50c operating temperature, hotswappable battery, and UAV health management.

(Description Source: https://www.dji.com/matrice-300)

DJI Mavic Pro

QUANTITY	
LIFESPAN	3-5 years
INITIAL COST	\$1,500/unit



Manufacturer: DJI

Manufacturer Description: DJI Mavic Pro features; overall 21 minutes of flight time, GPS / GLONASS Satellite Positioning Systems, weighs 1.62 (exclude gimbal cover) including battery and propellers, and still shot and recording capabilities. This particular model is no longer manufactured.

(Description Source: https://www.dji.com/mavic)



Happymodel Mobula7

QUANTITY	18
LIFESPAN	2 years
INITIAL COST	\$250/unit



Manufacturer: Happymodel

Manufacturer Description: The Happymodel Mobula7 1S Micro FPV Whoop Aircraft has a AlO flight controller and the new third-generation RS0802 brushless motor. The Mobula7 features a Runcam Nano 3 camera and the flight time is approximately 2 minutes.

(Description Source: http://www.happymodel.cn/index.php/2022/01/20/happymodel-mobula7-1s-micro-fpv-whoop-drone/)

Holybro Kopis

QUANTITY	1101
LIFESPAN	3 years
INITIAL COST	\$375/unit



Manufacturer: Holybro

Manufacturer Description: This is a remotely operated battery powered aircraft designed to be operated within sight of the operator or a spotter. Each aircraft is equipped with a camera capable of relaying a real-time image back to the aircraft operator. The UAS weights approximately 275 grams, has the ability to record video and has a 5-minute flight time capability. This particular model is no longer manufactured.

(Description Source: https://shop.holybro.com/c/kopis_0480)



iFlight A75

QUANTITY	2
LIFESPAN	2 years
INITIAL COST	\$300/unit



Manufacturer: iFlight

Manufacturer Description: The iFlight Alpha series tries to find the optimal ration between weight and power. The iFlight Alpha A75 weights approximately 66.9 grams (without battery), and the following features; 66.9 grams (without battery), butter smooth XING 1103 8000KV, more torque and efficiency, ducts to protect the sensitive environment or yourself, pre-tuned with smooth cinematic settings, iFlight Albatross 5.8G light antenna upgrade (included), and iFlight Albatross 900mhz light micro antenna upgrade (included with every Crossfire Nano RX). (Description Source: https://shop.iflight-rc.com/alpha-a75-analog-w-racecam-nano2-camera-pro1474)

iFlight A85

QUANTITY	12
LIFESPAN	2 years
INITIAL COST	\$300/unit



Manufacturer: iFlight

Manufacturer Description: The iFlight Alpha series tries to find the optimal ration between weight and power. The iFlight Alpha A75 weights approximately 66.9 grams (without battery), and the following features; 84.5 grams (without battery), butter smooth XING1303 5000KV, more torque and efficiency with longer flight times compared to 1105 motors, ducts to protect the sensitive environment or yourself, pre-tuned with smooth cinematic settings, iFlight Albatross 5.8G light antenna upgrade (included), and iFlight Albatross 900mhz light micro antenna upgrade (included with every Crossfire Nano RX).

(Description Source: https://shop.iflight-rc.com/alpha-a85-hd-whoop-w-caddx-nebula-nano-digital-hd-system-pro1241)



Robots

Robots: A machine that operates on the ground that is capable of being controlled remotely as well as all the supporting or attached systems designed for gathering information through photographs, recordings, or by other means.

Capability: Robots can be used to provide protection from suspected and known explosive hazards. They are also used in tactical support of special operations and can be used to gain visual/audio data, deliver a Crisis Negotiation Team phone, open doors, and clear buildings.

Usage: Only assigned operators who have completed the required training shall be authorized to operate the Remotec Andros F6-A or Qinetiq Dragon Runner Robot. Use is established by the Bomb Squad Commander and or Incident Commander.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD Reference Manual (RM) 532.16 (Bomb Squad Manual). It is the policy of the Sacramento Police Department to utilize a robot only for official law enforcement purposes pursuant to state and federal law including the provisions of Penal Code section 13652, initiated by California Assembly Bill 48.

Training Requirements: Robot operators of the Remotec Andros F6A or Qinetiq Dragon Runner Robot shall receive department training in the safe handling of the robots and show competence in the operation of the equipment.



The Department currently possesses the following robots:

Remotec Andros F6A

QUANTITY	2
LIFESPAN	8-10 years
INITIAL COST	\$250,000/unit



Manufacturer: Northrop Grumman Corp. / Remotec Inc.

Manufacturer Description: The Remotec Andros F6A is the most versatile, heavy-duty robot on the market. Speed and agility unite to make it the first choice for a wide range of missions, and its proven stair climbing ability, rugged and dependable chassis, and an arm capable of lifting 65 lbs mean that the F6A is more than strong enough to handle any task. The F6A also offers multiple communications options, a chassis and manipulator that allow for unlimited accessories and tool combinations, and quick-release pneumatic wheels for rapid width reduction.

(Description source: https://www.army-technology.com/contractors/mines/northrop-remotec/)

Qinetiq Dragon Runner

QUANTITY	
LIFESPAN	8-10 years
INITIAL COST	\$90,000/unit



Manufacturer: Qinetiq

Manufacturer Description: This is a compact robot platform that can be hand carried or transported inside a rucksack. It can be remotely operated from many hundreds of meters away, providing protection and safety to their operators.

(Description source: https://www.qinetiq.com/en-us/what-we-do/services-and-products/dragon-runner-small-and-compact-robot)



ECX Temper Gen2 4WD

QUANTITY	1
LIFESPAN	8-10 years
INITIAL COST	\$159/unit



Manufacturer: Horizon Hobby, LLC. / ECX

Manufacturer Description: The ECX® 1/18 Temper® Gen2 4WD Rock Crawler is built to tackle any environment. It sports a stylish and aggressive look with matching wheel rings, plus hidden compartment for the battery tray. The LED light bar keeps going even after the sun goes down. A true 4-link suspension with improved articulation and strength is a substantial upgrade, while the larger servo mount and aluminum steering links allow for bigger servos to handle a higher power output. It has a high torque 380-size 32T brushed motor and waterproof electronics.

(Description source: https://www.horizonhobby.com/product/1-18-temper-4wd-gen-2-brushed-rtr/ECX01015.html)

Losi Night Crawler SE 4WD

QUANTITY	1
LIFESPAN	8-10 years
INITIAL COST	\$350/unit



Manufacturer: Horizon Hobby, LLC. / Losi

Manufacturer Description: The Losi® Night Crawler™ SE is built on the proven Losi Night Crawler heritage, but offers more lights and a new Exoskeleton cage. The cage and body provide impressive scale details without compromising performance or durability. Additional front and rear rock lights will make it easier to see obstacles in your path and brighter LED light strips will further light the way. This crawler feels most at home on rocky terrain-the rougher, the better-and it doesn't shy away from mud or water, either.

(Description source: https://www.rcdriver.com/losi-night-crawler-se-4wd-rock-crawler/)



Armored Vehicles

Armored Vehicle: Commercially-produced, wheeled, armored personnel vehicle utilized for law enforcement purposes.

Capability: Armored vehicles are utilized in response to critical incidents to enhance officer and community safety, improve scene contamination and stabilization, and assist in resolving critical incidents.

Usage: The use of armored vehicles shall only be authorized by a watch commander or SWAT commander, based on the specific circumstances of a given critical incident. Armored vehicles shall only be used by officers trained in their deployment and in a manner consistent with Department policy and training.

Legal Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Order 580.18 (Deployment of Armored Vehicles). It is the policy of the Sacramento Police Department to utilize armored vehicles only for official law enforcement purposes, and pursuant to state and federal law including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: All drivers/operators shall attend formalized instruction and be trained in vehicle operations and practical driving instruction.

The Department currently possesses the following armored vehicles:

Bearcat G2

QUANTITY	1
LIFESPAN	25 years
INITIAL COST	\$315,518.65/unit



Manufacturer: Lenco

Manufacturer Description: The Lenco BearCat G2 is the standard tactical armored vehicle for special operations units within the US Law Enforcement community. The G2 has excellent onroad driving characteristics and maneuverability in tight urban settings. The large floor plan seats 10 – 12 fully equipped officers with a long list of tactical features only found on the Lenco BearCat line of armored SWAT vehicles for Police and Government.

(Description Source: https://www.lencoarmor.com/model/bearcat-g2-police-government/)



Bearcat G3

QUANTITY	1
LIFESPAN	25 years
INITIAL COST	\$404,521.00/unit



Manufacturer: Lenco

Manufacturer Description: The BearCat G3 provides Lenco's proven armor system in a ruggedized off-road platform. The G3 utilizes the same body design, interior features and tactical options as the G2, but it comes standard with a heavier duty upgraded suspension and off-road tires, rims & run flats to provide enhanced off-road performance. The increased ground clearance and robust suspension allows for emergency response in rural regions and natural disaster scenarios where standard armored SWAT vehicles would experience challenges. (Description Source: https://www.lencoarmor.com/model/bearcat-g3-police-government/)



NIJ Level IV Armored Caterpillar (CAT®) Multi-Terrain Loader (The ROOK)

The Rook: The ROOK is a custom "armored critical incident vehicle" built on the chassis of a Caterpillar Bulldozer, manufactured by Ring Power Corporation. The ROOK is built to increase job safety, versatility, and mission specific response. The ROOK is capable of being used in tight areas both inside and outside, where traditional armored vehicles may not be able to enter.

Capability: To provide capability for authorized SWAT Team personnel to identify, discover, and locate threats or hazards, to include explosives and ballistic threats. The ROOK may be used to stabilize critical infrastructure and functions to minimize health and safety threats during a terrorist attack. During a terrorist attack, the ROOK will allow for a law enforcement protected response.

Usage: The ROOK can be utilized for defensive ballistic protection in both indoor and outdoor environments, rescue platforms for elevated structure rescue, and rough terrain environments where certain equipment would be limited.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Order 410.06 (Military Equipment Use) and to utilize The ROOK only for official law enforcement purposes, and pursuant to state and federal law including the provisions of Penal Code section 13652, initiated by California Assembly Bill 48.

Training Requirements: The ROOK shall be used by SWAT Team members in a manner consistent with Department policy and training. Furthermore, only SWAT team members who have completed the appropriate training will operate The ROOK.

The Sacramento Police Department does not currently possess this equipment; however, the department is currently seeking funding for the purchase of this equipment through a Governor's Office of Emergency Services (Cal OES) grant. The grant will be documented to show the need, price, and capabilities for The ROOK. If this equipment is obtained, it will be the responsibility of the Department to ensure training of personnel for operation of the vehicle. It will also be the responsibility of the Department to handle all maintenance of the vehicle once it is acquired.



The ROOK

QUANTITY	Grant Acquisition Request
LIFESPAN	25 years
INITIAL COST (APPROXIMATE)	\$400,000/unit



Manufacturer: Ring Power Corporation

Manufacturer Description: The Rook Armored Vehicle is custom designed and fabricated by Ring Power Corporation, the North and Central Florida Cat® Dealer. Utilizing the powerful Cat® chassis as the base, The Rook provides service advantages that other tactical vehicles just don't have. Unlike traditional armored vehicles, The Rook is capable of being used in tight areas both inside and outside of public buildings to transport personnel or equipment and for surveillance. It is designed with mission specific attachments that increase job safety and can easily be changed depending on situational needs. Law enforcement agencies across the United States and around the globe utilize The Rook to confront complex threats and make tactical operations safer.

(Description source: https://therook.ringpower.com/specs)



Mobile Incident Command Vehicle (MIC)

Mobile Incident Command Vehicle: A completely self-contained command post designed to provide shelter, access to department computers, and restroom facilities for extended events. This vehicle can also be used to facilitate mobile booking for incidents that may involve mass arrests and other uses include pre-planned or significant events, which require on-site planning and incident command personnel.

Capability: As a mobile base of operation, this vehicle contains specialized command, control and communications equipment which can be used during a critical incident, large events, natural disasters, and community events.

Usage: The MIC is to be utilized for planned or unplanned events. Only officers trained in the deployment and operations of the MIC, in a manner consistent with Department policy and training, are authorized to operate it. Furthermore, only officers who have completed the California State Class B Commercial driving school and become properly licensed will be allowed to drive the MIC.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Order 420.01 (Use of Police Vehicles). It is the policy of the Sacramento Police Department to use the MIC only for official law enforcement purposes, and in accordance with California state law regarding the operation of motor vehicles as well as the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: The driver/operator shall receive training in the safe handling of the vehicle on a closed training course. Once the operator has shown competence in vehicle handling, the driver/operator will drive the vehicle throughout the city with an experienced driver. Driver/operators shall also undergo California Department of Motor Vehicles commercial vehicle testing.



The Department currently possesses the following Mobile Incident Command Vehicle:

Mobile Incident Command Vehicle (MIC)

QUANTITY	1
LIFESPAN	20 years (Chassis)
LII LOFAN	7 years (IT Systems)
INITIAL COST	\$996,000/unit



Manufacturer: Freightliner M2

Manufacturer Description: The MIC is a Freightliner M2 medium-duty vehicle with a custom-built chassis. Due to the vehicle's custom features, an exact manufacturer's description is unavailable. The base of the Freightliner M2 is described by the manufacturer as follows:

The Freightliner M2 106 is designed to get any job done. With a GVWR of up to 66,000 pounds, this versatile medium-duty truck supports a wide range of bodies and chassis-mounted equipment, from dry vans to a concrete pump. Our multiplex wiring system, clear frame rails, and a variety of exhaust packages help you get the configuration you need for the job at hand. In addition to being easy to upfit, the M2 106 maximizes uptime, safety, quality, and productivity to lower your Real Cost of OwnershipSM (RCO). Your RCO is the comprehensive evaluation of the hard and soft costs over the lifetime of your vehicle, which reflects the true value of your truck to your business. Everyone's business is different, so you can spec your M2 106 based on the factors that impact your bottom line the most. Improve your productivity with your choice of manual, automatic, or automated transmissions from Eaton® and Allison.® And keep drivers safe with the sloped aerodynamic hood, low-profile dash and best-in-class visibility of the ergonomic M2 106. Plus, the M2 106 provides up to a 55-degree wheel cut, set-back front axle and swept-back bumper for superior maneuverability in tight situations. The M2 106 is also available with the Detroit™ DD8™ engine and the Detroit™ DD5™ engine,* both available with the Detroit™ Connect suite of connected vehicle services to maximize uptime. All the more reason to choose this leading medium-duty truck for your hard-working fleet. (Description Source: https://freightliner.com/trucks/m2-106/configurator/basic/)



Crisis Negotiation Team (CNT) Vehicle

Crisis Negotiation Team Vehicle: A completely self-contained command post designed to provide shelter, access to Department computers, and restroom facilities for extended events.

Capability: As a mobile base of operation, this vehicle contains specialized command and communications equipment which can be used during critical incident callouts where SWAT/CNT have been called.

Usage: The CNT vehicle may be used by officers and staff who have been properly trained in the safe handling of the vehicle. The driver of the vehicle shall have a valid California driver's license.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Order 420.01 (Use of Police Vehicles) and shall be in accordance with California state law regarding the operation of motor vehicles as well as the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: The driver/operator shall receive training in the safe handling of the vehicle on a closed training course. Once the operator has shown competence in vehicle handling, the driver/operator will drive the vehicle throughout the city with an experienced driver.

The Department currently possesses the following Crisis Negotiation Team vehicle(s):

Crisis Negotiation Team (CNT) Vehicle

QUANTITY	1
LIFESPAN	30 years
INITIAL COST (APPROXIMATE)	\$293,707/unit



Manufacturer: Freightliner Model MT-55

Manufacturer Description: The CNT Vehicle was custom built for the SPD from a Freightliner Chassis.

(Description Source unavailable due to customization)



Long Range Acoustic Device (LRAD)

Long Range Acoustic Device (LRAD): The LRAD is a high intensity directional acoustic array for long-range, crystal-clear hailing and notification. The LRAD is only authorized for use as a communication device.

Capability: The LRAD allows the user to focus a broadcast at a specific person, group, structure, or area. LRAD voice broadcast systems are louder and significantly more intelligible than bullhorns and vehicle public address (PA) systems. LRAD systems ensure law enforcement's warning, commands, and instructions are clearly heard and comprehensible.

Usage: The LRAD can be used to issue dispersal orders during crowd and riot control situations or to address the public in the event of civil emergencies, natural disasters, evacuations, and police incidents (e.g., missing persons, perimeters for wanted suspects, K9 deployments, etc.). The LRAD shall only be used by officers trained in its deployment and used in a manner consistent with Department policy and training.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Order 580.17 (Use of Long Range Acoustic Device (LRAD)). It is the policy of the Sacramento Police Department to utilize the LRAD only for official law enforcement purposes, and pursuant to state and federal law, including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: All operators receive training prior to utilizing any of the LRAD's in an operational capacity.



The Department currently possesses the following Long Range Acoustic Devices:

LRAD 100x MAG-HS

QUANTITY	2
LIFESPAN	25 years
INITIAL COST	\$16,455/unit



Manufacturer: Genasys, Inc.

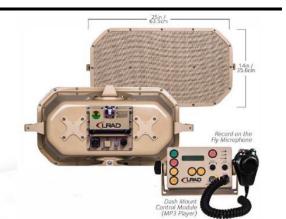
Manufacturer Description: The LRAD 100X MAG-HS Kit consists of an LRAD 100X, a mount with four high strength magnets that clamp to, and unclamp from, magnetic surfaces with a turn of a knob, an LRAD Wireless Kit for remote operation, an AC-powered battery charger, an MP3 player with an all-weather record-on-the-fly mic, a watertight, dust proof hard case, and other accessories. With unparalleled vocal clarity and up to 30db louder than bullhorns, megaphones, and vehicle P.A. systems, the LRAD 100X is also four to six times louder than other acoustic hailers of comparable size and weight. LRAD's optimized driver and waveguide technology ensures every message is clearly broadcast, heard and understood, even above engine, crowd, siren, and background noise. The LRAD warning tone commands attention to the voice messages that follow and provides a safer alternative to non-lethal and kinetic measures for changing behavior.

(Description Source: https://genasys.com/wp-content/uploads/Datasheet_LRAD_100X-MAG-HS 2021 QR.pdf)



LRAD 300x-RE

QUANTITY	1
LIFESPAN	25 years
INITIAL COST	\$16,455/unit



Manufacturer: Genasys, Inc.

Manufacturer Description: LRAD 300X-RE is a compact, lightweight solution for use on small vessels, CROWs and vehicle mounted armor. It can be easily transported to provide security personnel long range communications and a highly effective hailing and warning capability where needed. It is currently being used in many areas, such as: law enforcement forces, defense, maritime, wildlife preservation & control, homeland security and many more. (Description Source: https://genasys.com/wp-content/uploads/2015/03/LRAD_Datasheet_300X-RE.pdf)

LRAD 500x-RE

QUANTITY	1
LIFESPAN	25 years
INITIAL COST	\$16,455/unit



Manufacturer: Genasys, Inc.

Manufacturer Description: The LRAD 500X-RE is compact, lightweight, and designed for applications ranging from fixed security installations to small/mid-sized vehicles and vessels. It can be easily transported to provide security and defense personnel a highly effective communication, hailing and warning capability. The LRAD 500X has been selected as the U.S. Navy and U.S. Army's AHD (acoustic hailing device) for small vessels and vehicles. LRAD 500X operators have the capability to issue clear, authoritative verbal commands, followed with powerful deterrent tones to modify behavior, enhance response capabilities, and provide more time to scale the use of force if required. The extended frequency range of the LRAD 500X-RE ensures voice commands will be clearly heard and understood.

(Description Source: https://genasys.com/wp-content/uploads/Datasheet 500X-RE 2020.pdf)



40mm Launchers and Munitions

40mm Launchers: A single-shot or multi-shot impact weapon launcher capable of firing an array of 40mm rounds.

Capability: 40mm launchers can fire a variety of ammunition with a maximum effective range of one hundred thirty-one feet (131 feet).

Usage: The use of the 40mm may be deployed to limit the escalation of conflict where employment of lethal force is prohibited or undesirable. The range of the weapon system helps to maintain space between officers and a suspect and reduce the immediacy of the threat, which is the principle of de-escalation. This system has additional uses which include but are not limited to self-destructive, dangerous, and/or combative individuals, riot/crowd control and in civil unrest incidents, circumstances where a tactical advantage can be obtained, against potentially-vicious animals, and in training exercises or displayed during community events.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapon Systems). It is the policy of the Sacramento Police Department to utilize 40mm munitions only for official law enforcement purposes, and pursuant to state and federal law, including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: Sworn members utilizing 40mm less lethal chemical agent or impact rounds are trained in their use by P.O.S.T.-certified less lethal and chemical agent instructors.



The Department currently possesses the following 40mm launchers:

Defense Technology 40mm Single Shot Launcher #1425

QUANTITY	100
LIFESPAN	25 years
INITIAL COST	\$1,000/unit



Manufacturer: Defense Technology

Manufacturer Description: Manufactured exclusively for Defense Technology®, the 1425 40LMTS is a tactical single shot launcher that features the Rogers Super Stoc™ expandable gun stock and an adjustable Integrated Front Grip (IFG) with light rail. The ambidextrous Lateral Sling Mount (LSM) and QD mounting systems allow both a single- and two-point sling attachment. Users have the option of customizing the 40LMTS with an array of enhanced optics and sighting systems through the launcher's Picatinny rail mounting system. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8" in cartridge length, but it is NOT designed to fire 40mm high velocity HE ammunition.

(Description Source: https://www.defense-technology.com/wp-content/uploads/2020/06/DT_40MM_Single_Launcher_Sell_Sheet.pdf)



Defense Technology 40mm Tactical 4-Shot Launcher, #1440

QUANTITY	2
LIFESPAN	15 years
INITIAL COST	\$1,975/unit



Manufacturer: Defense Technology

Manufacturer Description: The Defense Technology® #1440 is a Tactical 40mm 4-Shot Launcher that features an expandable ROGERS Super Stoc™ and an adjustable Picatinny mounted front grip. The Tactical 4-Shot will fire standard 40mm Less Lethal ammunition, up to 4.8 inches in cartridge length. Lightweight and tactical, 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.

(Description Source: https://www.defense-technology.com/wp-content/uploads/2020/06/40mm-Tactical-4-Shot-Launcher.pdf)

The Department currently possesses the following 40mm munitions:

Defense Technology 40mm Exact Impact Sponge Round #6325

QUANTITY	96
LIFESPAN	5 years
INITIAL COST	\$18/unit



Manufacturer: Defense Technology

Manufacturer Description: The Exact Impact 40mm Sponge Round is a point-of-aim, point-of-impact direct-fire round. This lightweight, high-speed projectile consisting of a plastic body and sponge nose that is spin stabilized via the incorporated rifling collar and the 40mm launcher's rifled barrel. The round utilizes smokeless powder as the propellant, and, therefore have velocities that are extremely consistent.

(Description Source: https://www.defense-technology.com/product/exact-impact-40-mm-standard-range-sponge-round/)



Defense Technology 40mm Direct Impact OC Crushable Foam Round #6320

QUANTITY	96
LIFESPAN	5 years
INITIAL COST	\$30/unit



Manufacturer: Defense Technology

Manufacturer Description: The 40mm Direct Impact munition is a point-of-aim, point-of-impact direct-fire round. An excellent solution whether you need to incapacitate a single subject or control a crowd. When loaded with OC powder, the Direct Impact combines blunt trauma with the effects of an irritant powder, maximizing the potential for incapacitation.

(Description Source: https://www.defense-technology.com/product/direct-impact-40-mm-oc-crushable-foam-round/)

Defense Technology Ferret 40mm Liquid Barricade Penetrator Round #2262

QUANTITY	50
LIFESPAN	5 years
INITIAL COST	\$23/unit



Manufacturer: Defense Technology

Manufacturer Description: 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. 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.

(Description Source: https://www.defense-technology.com/product/ferret-40-mm-liquid-barricade-penetrator-round-cs/)



Defense Technology Spede-Heat 40mm Long Range, CS #6182

QUANTITY	35
LIFESPAN	5 years
INITIAL COST	\$30/unit



Manufacturer: Defense Technology

Manufacturer Description: The Spede-Heat CS Long-Range Munitions delivers one chemical canister of CS agent from a 40mm launcher down range up to 150 yards. The Spede-Heat is a pyrotechnic round designed specifically for outdoor use in crowd control situations with a high volume continuous burn that expels its payload in approximately 20-40 seconds from a single source. The Spede-Heat family may be used to conceal tactical movement or to route a crowd. (Description Source: https://www.defense-technology.com/product/spede-heat-40-mm-long-range-round-cs/)

Defense Technology Spede-Heat 40mm Long-Range Round, Saf-Smoke #6183

QUANTITY	35
LIFESPAN	5 years
INITIAL COST	\$27/unit



Manufacturer: Defense Technology

Manufacturer Description: The Spede-Heat Saf-Smoke Long Range Munitions is designed to deliver one chemical canister of Saf-Smoke payload down range up to 150 yards. The Spede-Heat is a pyrotechnic round designed specifically for outdoor use in a crowd control situation with a high volume of continuous burn that expels its payload in approximately 20-40 seconds from a single source. The Spede-Heat 40mm is designed for outdoor and has a maximum effective range of 150 yards.

(Description Source: https://www.defense-technology.com/product/spede-heat-40-mm-long-range-round-saf-smoke/)



Defense Technology 40mm Round Muzzle Blast, with OC #6040

QUANTITY	47
LIFESPAN	5 years
INITIAL COST	\$28/unit



Manufacturer: Defense Technology

Manufacturer Description: The 40mm Muzzle Blast OC Round is widely used as a crowd management tool for the immediate and close deployment of chemical agent. It can also be employed in tactical operations such as barricaded subjects for area denial, area contamination, and a means of contaminating crawl spaces and attics. As a pain compliance round it is an excellent device for deploying chemical-laden OC powder at close ranges for indoor or outdoor operations. It has a maximum effective range of 30 feet/9.1 meters.

(Description Source: https://www.defense-technology.com/product/muzzle-blast-40-mm-round-oc/)

Defense Technology 40mm Warning/Signaling Munition with OC, #6028OC

QUANTITY	44
LIFESPAN	5 years
INITIAL COST	\$41/unit



Manufacturer: Defense Technology

Manufacturer Description: The 40mm Aerial Warning/Signaling Munition, 50 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage crowds, vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50 meters to deliver 170dB of sound and 5 million candelas of light, noticeable in day or night conditions. A tactile feature on the nose of the cone indicates the designated distance.

(Description Source: https://www.defense-technology.com/product/40-mm-warning-signaling-munition-with-oc-50-meter/)



Defense Technology 40mm Warning/Signaling Munition with CS, #6028CS

QUANTITY	50
LIFESPAN	5 years
INITIAL COST	\$41/unit



Manufacturer: Defense Technology

Manufacturer Description: The 40mm Aerial Warning/Signaling Munition, 50 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage crowds, vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50 meters to deliver 170 dB of sound, 1.8g of chemical agent, and 5 million candelas of light, noticeable in day or night conditions. A tactile feature on the nose of the cone indicates the designated distance.

(Description Source: https://www.defense-technology.com/product/40-mm-warning-signaling-munition-with-cs-50-meter/)

Defense Technology 40mm Warning/Signaling Munition, #6028WS

QUANTITY	50
LIFESPAN	5 years
INITIAL COST	\$41/unit



Manufacturer: Defense Technology

Manufacturer Description: The 40mm Aerial Warning/Signaling Munition, 50 meters, is intended for use in situations where stand-off distance is desired, giving the operator the ability to engage crowds, vehicles, or vessels. Launched from a 40mm platform, the munitions deflagrate at a set distance of 50 meters to deliver 170 dB of sound and 5 million candelas of light, noticeable in day or night conditions. A tactile feature on the nose of the cone indicates the designated distance.

(Description Source: https://www.defense-technology.com/product/40-mm-warning-signaling-munition-50-meter//)



Less Lethal Shotgun and Munitions

Less Lethal Shotgun: The less lethal shotgun is a standard Remington Model 870, 12-gauge shotgun that has been outfitted with an orange-colored stock and foregrip to distinguish from lethal weapons.

Capability: The less lethal shotgun can fire a 12-gauge Super-Sock Beanbag Round with a maximum effective range of seventy-five (75) feet. The range of the weapon system helps to maintain space between officers and a suspect reducing the immediacy of the threat, which is a principle of de-escalation.

Usage: The use of the less lethal shotgun may be deployed to limit the escalation of conflict where employment of lethal force is prohibited or undesirable. The range of the weapon system helps to maintain space between officers and a suspect and reduce the immediacy of the threat, which is the principle of de-escalation. Situations for use of the less lethal weapon system may include, but are not limited to self-destructive, dangerous, and/or combative individuals, riot/crowd control and civil unrest incidents, circumstances where a tactical advantage can be obtained, potentially vicious animals, and training exercises or approved demonstrations.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapons Systems) and SPD RM 532.11 (First Amendment Assemblies Manual). It is the policy of the Sacramento Police Department to utilize the less lethal shotgun only for official law enforcement purposes, and pursuant to state and federal law, including the provisions of Penal Code section 13652, initiated by California Assembly Bill 48.

Training Requirements: All SPD officers are required to complete department training on the Remington 870 less lethal shotgun system. SPD SWAT operators receive additional department training on the use of less lethal shotgun operations.

SPD SWAT operators who utilize the specialized less lethal munitions have successfully completed a California P.O.S.T.-certified gas school and/or department in-service training by P.O.S.T.-certified chemical agent instructors for muzzle blast training.



The Department currently possesses the following Less Lethal Shotgun(s):

Remington Model 870, 12-gauge shotgun

QUANTITY	619
LIFESPAN	25 years
INITIAL COST	\$946/unit



Manufacturer: Remington Firearms

Manufacturer Description: An ideal 12-gauge utility gun featuring an 18 1/2" fixed Cylinder choke barrel, single front bead sight, non-glare matte finish, and choice of 5-shot or 7-shot capacities. The Model 870 Synthetic Tactical is an excellent choice as a permanent camp shotgun or as the foundation for your own personalized design.

(Description source: https://www.remarms.com/shotguns/tactical/model-870-synthetic-tactical)

The Department currently possesses the following Less Lethal Shotgun ammunition:

Combined Tactical Systems Super-Sock Bean Bag – 12-gauge 2 3/4"

QUANTITY	2525
LIFESPAN	No listed expiration
INITIAL COST	\$5/unit



Manufacturer: Combined Systems, Inc.

Manufacturer Description: The Model 2581 Super-Sock is in its deployed state immediately upon exiting the barrel. It does not require a minimum range to "unfold" or "stabilize." The Super-Sock is an aerodynamic projectile, and its accuracy is relative to the shotgun, barrel length, environmental conditions, and the operator. The Super-Sock is first in its class providing the point control accuracy and consistent energy to momentarily incapacitate violent, non-compliant subjects. Effective range is 75ft.

(Description source: https://www.combinedsystems.com/product/2581-12ga-super-sock-bean-bag-priced-individually-per-cartridge-must-order-in-quantities-of-5/)



Combined Tactical Systems LC5 Launching Cup

Combined Tactical Systems LC5 Launching Cup: A cup that attaches to the department's Remington 870 12-gauge less lethal shotguns, which allows officers to launch canisters of chemical agents or smoke.

Capability: The Combined Tactical Systems LC5 Launching Cup is capable of being attached to the almost any 12-gauge shotgun, including SPD's Remington 870 12-gauge less lethal shotguns, and firing all Combined Tactical Systems 5 series munitions.

Usage: The use of the Combined Tactical Systems LC5 Launching Cup may be deployed to limit the escalation of conflict where employment of lethal force is prohibited or undesirable. The range of the weapon system helps to maintain space between officers and a suspect and reduce the immediacy of the threat, which is the principle of de-escalation. This system has additional uses which include but are not limited to self-destructive, dangerous, and/or combative individuals, riot/crowd control and civil unrest incidents, circumstances where a tactical advantage can be obtained, potentially vicious animals, and training exercises or approved demonstrations.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapons Systems), and RM 532.11 (First Amendment Assemblies Manual). It is the policy of the Sacramento Police Department to utilize this equipment only for official law enforcement purposes, and pursuant to state and federal law, including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: Officers utilizing the launching cups are trained by California P.O.S.T.-certified chemical agent instructors.



The Department currently possesses the following Launching Cup(s):

Combined Tactical Systems LC5 Launching Cup

QUANTITY	2
LIFESPAN	5-year warranty
INITIAL COST	\$302/unit



Manufacturer: Combined Systems, Inc.

Manufacturer Description: The LC5 Launching Cups are designed for the 5200 series grenades. The cups can be attached to virtually any 12ga shotgun, and the munition launched with our model 2600 launching cartridge. These can be fired from most 12ga smooth bore shotguns.

(Description Source: https://www.combinedsystems.com/product/lc5-and-lc6-launching-cups/)



Diversionary Devices

Diversionary Devices: Canisters that emit a loud noise and bright light that is used to distract dangerous persons.

Capability: A Diversionary device is ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high-risk arrest situations. To produce atmospheric overpressure and brilliant white light and, as a result, a diversionary device can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.

Usage: Diversionary devices are used during training and tactical events when a diversion or distraction are believed to be an effective tool to bring an event to a safe resolution. Diversionary devices shall only be used by officers who have been trained in their proper use, in hostage and barricaded subject situations, in high-risk (search/arrest) warrant services where there may be extreme hazards to officers, during other high-risk situations where their use would enhance officer safety, and during training exercises.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in General Order 580.16 (SWAT Diversionary Devices). It is the policy of the Sacramento Police Department to utilize diversion devices only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: Prior to using this equipment, officers must attend diversionary device training that is conducted by California POST certified instructors.



The Department currently possesses the following Diversionary Devices:

Combined Tactical Systems, 7290-2 Flash-Bang

QUANTITY	29
LIFESPAN	N/A
INITIAL COST	\$52/unit



Manufacturer: Combined Systems, Inc.

Manufacturer Description: This is a non-bursting, non-fragmenting multi-bang device that produces a thunderous bang with an intense bright light. Ideal for distracting dangerous suspects during assaults, hostage rescue, room entry or other high risk arrest situations. (Description Source: https://www.combinedsystems.com/product/7290-2-flash-bang-aluminum-body-low-roll-doublebang-priced-individually-must-order-in-quantities-of-12/#:~:text=7290%2D2%20%E2%80%93%20This%20is%20a,other%20high%20risk%20arrest%20situations.)

Combined Tactical Systems, 7290M Mini Flash-Bang

QUANTITY	108
LIFESPAN	N/A
INITIAL COST	\$38/unit



Manufacture: Combined Systems, Inc.

Manufacture Description: The CTS 7290M Mini Flash-Bang is the newest generation in the evolution of the Flash-Bang. Our Model 7290M Flash-Bang exhibits all the same attributes of its larger counterpart but in a smaller and lighter package. Weighing in at just 15 ounces the new 7290M is approximately 30% lighter than the 7290 but still has the same 180db output of the 7290 and produces 6-8 million candela of light. The patented design of the 7290M, incorporates a porting system that eliminates movement of the body at detonation even if the top or bottom of the device should be in contact with a hard surface. In addition, internal adjustments have greatly reduced smoke output.

(Description Source: https://www.combinedsystems.com/product/7290m-mini-bang-steel-body-priced-individually-must-order-in-quantities-of-12/)



Combined Tactical Systems, 7290-7 Flash-Bang

QUANTITY	11
LIFESPAN	N/A
INITIAL COST	\$169/unit



Manufacturer: Combined Systems, Inc.

Manufacturer Description: The patented multi-bangs feature top and bottom non-fragmenting, minimal movement devices that perform with high reliability incorporating CTS Superior fuze components with the patented and US Army adopted Confidence Clip and pin shroud. (Description Source: https://www.combinedsystems.com/product/7290-7-flash-bang-aluminum-body-7-bang/)



Rifles and Munitions

Rifles: The rifle is a gun that is fired from shoulder level, having a longer, grooved barrel intended to make bullets spin and thereby have greater accuracy over a long distance.

Capability: The rifle provides officers the ability to engage hostile suspects at distances generally greater than the effective distance of their handguns. Additionally, rifles offer advantages over handguns, such as increased accuracy potential and the ability to defeat soft body armor. However, rifles are not appropriate for every situation.

Usage: To be used as precision weapons to address a threat with more precision and/or greater distances than a handgun, if present and feasible.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in General Orders 580.02 (Use of Force) and 580.04 (Firearms). It is the policy of the Sacramento Police Department to utilize rifles only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force, including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: 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 two times per year.

The Department currently possesses the following rifles:

DPMS AR-10 .308 Caliber Rifle, Model LR-308

QUANTITY	2	
LIFESPAN	N/A	
INITIAL COST	\$1,500/unit	

Manufacturer: DPMS

Manufacturer Description: The DPMS with 16" Barrel, AR-10, is an entry level AR-10 style rifle. This firearm is chambered in .308 Winchester/7.62 NATO Rifle and has a 16" barrel. The magazine holds 20 rounds of ammunition, and the rifle has a collapsible stock. This rifle is primarily used in an overwatch capacity to protect the community during large events. The DPMS AR-10 is no longer being produced.

(Description Source: SPD General Order 410.06. Weapon no longer manufactured)



LWRC Rapid Engagement Precision Rifle MKII 7.62" CAL 20"

QUANTITY	2
LIFESPAN	N/A
INITIAL COST	\$3,250/unit



Manufacturer: LWRC

Manufacturer Description: The LWRC REPR is a short stroke, gas piston operated .308 caliber precision rifle capable of sub-MOA accuracy primarily utilized during overwatch for large public events.

(Description Source: SPD General Order 410.06)

LWRCI SWAT Operator Package IC-DI 10.5" Rifle

QUANTITY	20
LIFESPAN	N/A
INITIAL COST	\$2,070/unit



Manufacturer: LWRCI

Manufacturer Description: A rifle that fires an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It is a short-barreled rifle which allows a trained officer better control inside of structures with greater accuracy than a handgun.

(Description Source: https://www.lwrci.com/LWRCI-IC-DI-LE p 248.html)



Colt M16A1 Rifle, Converted to Semi-Automatic AR-15

QUANTITY	322	
LIFESPAN	N/A	
Initial Cost	\$870/unit	

Manufacturer: Colt

Manufacturer Description: The M16A1 rifle is a lightweight, air cooled, gas operated magazine fed, and shoulder fired weapon that can be fired in semi-automatic.

(Description Source: https://www.colt.com/ and United States Army Operator's Manual)

Colt M4 Commando 11.5" Rifle

QUANTITY	2 Q A	
LIFESPAN	N/A	
INITIAL COST	\$1,315/unit	

Manufacturer: Colt

Manufacturer Description: A rifle that fires an intermediate-power cartridge (.223) which is more powerful than a standard pistol but less powerful than a standard rifle. It is a short-barreled rifle which allows a trained officer better control inside of structures with greater accuracy than a handgun.

(Description Source: https://www.colt.com/)



The Department currently possesses the following rifle munitions:

Speer Gold Dot .223 Caliber 62 Grain Rifle Round

QUANTITY	218 cases
LIFESPAN	N/A
INITIAL COST	\$260/case of 500



Manufacturer: Speer

Manufacturer Description: Speer® Gold Dot® ammunition's reliability has made it the No. 1 choice for law enforcement. Gold Dot rifle is engineered to provide industry-leading performance in FBI protocol testing through barrels less than 16 inches long. Its bullets are built using Speer's exclusive Uni-Cor® method. The jacket is bonded to the core one atom at a time, virtually eliminating core-jacket separation and creating a projectile that's accurate, tough, and consistent through all common barriers.

(Description Source:

https://www.speer.com/ammunition/gold_dot/rifle/gold_dot_rifle_personal_protection/19-24461.html)

Federal Gold Medal .223 55 Grain Rifle Round

QUANTITY	1,400 cases
LIFESPAN	N/A
INITIAL COST	\$170/case of 500



Manufacturer: Federal

Manufacturer Description: American Eagle® rifle ammunition offers consistent, accurate performance at a price that's perfect for high-volume shooting. The loads feature quality bullets, reloadable brass cases and dependable primers.

(Description Source: https://www.federalpremium.com/rifle/american-eagle/american-eagle-rifle/11-AE223.html)



Federal Gold Medal .308 168 Grain Rifle Round

QUANTITY	8 cases
LIFESPAN	N/A
INITIAL COST	\$398/case of 500



Manufacturer: Federal

Manufacturer Description: Long range isn't just a distance. It's a state of mind. A dedication to push further. And its why Federal Premium® builds Gold Medal® rifle loads. The exclusive primer design provides the best sensitivity and most consistent ballistics in the industry. (Description Source: https://www.federalpremium.com/rifle/gold-medal/gold-medal-sierra-matchking/11-GM308M.html)

RUAG Swiss P .308 Win Armour Piercing FMJCH 196 Grain Rifle Round

QUANTITY	58 boxes
LIFESPAN	No expiration
INITIAL COST	\$6/round



Manufacturer: Ruag Swiss

Manufacturer Description: The tungsten carbide core is much harder and more ductile than most targets which makes it unstoppable for light armour. Because the core does not break apart during penetration it transfers outstanding residual energy to the target. Using only high-quality raw materials and producing within tight tolerances ensure an identical point of impact from batch to batch. All .308 Win. SWISS P rounds have an identical point of impact at 100 m which allows the shooter to instantly change the bullet type.

(Description Source: https://www.swiss-p.com/en/Products/308-Win-SWISS-P-Armour-Piercing-127-g-196-gr)



RUAG Swiss P.308 Win Tactical 164 Grain Rifle Round

QUANTITY	9 boxes
LIFESPAN	No expiration
INITIAL COST	\$4/round



Manufacturer: Ruag Swiss

Manufacturer Description: The challenge is to accurately hit targets behind an angled window or wind shield without the risk of unpredictable bullet deflection. This could endanger bystanders, especially if the shooting line is not perpendicular to the window. Conventional bullets break apart or fragment when penetrating glass which makes accurate shooting impossible. At least 90% of the residual body of the SWISS P Tactical bullet stays intact and it does not fragment at all. Tight production tolerances and small production batches ensure constant ballistic values and stringent quality controls guarantee identical trajectory from batch to batch. All .308 Win. SWISS P rounds have an identical point of impact at 100 m which allows the shooter to instantly change the bullet type.

(Description Source: https://www.swiss-p.com/en/Products/308-Win-SWISS-P-Tactical-106-g-163-gr)



Chemical Agent and Smoke Canisters

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

Capability: Chemical agent and smoke canisters have a vast variety of individual capabilities and applications. Chemical agent and smoke canisters carry the agent into the environment in a variety of methods, including but not limited to a micro-pulverized solid (powder), a liquid mist (fogger), a liquid or foam stream, burning pellets (smoke), pyrotechnic devices, and vapor aerosols. Exposure to chemical agents normally causes no lasting effects. This equipment has various indoor and outdoor capabilities and uses. Chemical agents shall be used with caution and only by trained personnel.

Usage: Chemical agent and smoke canisters are used 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, self-destructive individuals, dangerous and/or combative individuals, riot/crowd control and civil unrest incidents, circumstances where a tactical advantage can be obtained, potentially vicious animals, and in training exercises or displayed during community events.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD Reference Manuals 580.07 (Chemical Agent Manual) and 532.11 (First Amendment Assemblies Manual). It is the policy of the Sacramento Police Department to utilize chemical agents only for official law enforcement purposes, in accordance with the department's Use of Force Policy, and pursuant to state and federal law, including the provisions of Penal Code section 13652, initiated by <u>California Assembly Bill 48</u>.

Training Requirements: SPD Officers utilizing chemical agent and smoke canisters are certified by California POST less lethal and chemical agent instructors.



The Department currently possesses the following chemical agent and smoke canisters:

Defense Technology, Triple-Chaser Separating Canister, CS, #1026

QUANTITY	50
LIFESPAN	5 years
INITIAL COST	\$47/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The Triple-Chaser CS 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 an approximate burn time of 20-30 seconds.

(Description Source: https://www.defense-technology.com/product/triple-chaser-separating-canister-cs/)

Defense Technology, Riot Control Continuous Discharge Grenade, CS, #1082

QUANTITY	75
LIFESPAN	5 years
Initial Cost	\$27/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The Riot Control CS Grenade is designed specifically for outdoor use in crowd control situations with a high volume continuous burn that expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to direct the route of a crowd. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 2.7 oz. of active agent.

(Description Source: https://www.defense-technology.com/product/riot-control-continuous-discharge-grenade-cs/)



Defense Technology, Flameless Tri-Chamber CS Grenade, #1032

QUANTITY	20
LIFESPAN	5 years
INITIAL COST	\$45/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The design of the Tri-Chamber Flameless CS Grenade allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The grenade is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This grenade will deliver approximately .70 oz. of agent during its 20-25 seconds burn time. The Tri-Chamber Flameless Grenade 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. The purpose of the Tri-Chamber Flameless Grenade 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 Grenade 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. The Tri-Chamber Flameless Grenade is NOT to be launched utilizing a launching cup.

(Description Source: https://www.defense-technology.com/product/flameless-tri-chamber-cs-grenade/)



Defense Technology, Flameless Expulsion CS Grenade, #2042

QUANTITY	28
LIFESPAN	5 years
INITIAL COST	\$48/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The CS Flameless Expulsion Grenade is a compact, non-pyrotechnic, chemical agent device that provides safe expulsion without risk of fire. It is safe to use inside of a residence. 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 grenade is 7.5 in. by 1.65 in. and delivers approximately .16 oz. of active agent during its 3-second discharge time.

(Description Source: https://www.defense-technology.com/product/flameless-expulsion-cs-grenade/)

Defense Technology, Flameless Expulsion OC Grenade, #2040

QUANTITY	18
LIFESPAN	5 years
INITIAL COST	\$49/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The OC Flameless Expulsion Grenade is a compact, non-pyrotechnic, chemical agent device that provides safe expulsion without risk of fire. It is safe to use inside of a residence. 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 grenade is 7.5 in. by 1.65 in. and delivers approximately .02 oz. of active agent during its 3-second discharge time.

(Description Source: https://www.defense-technology.com/product/flameless-expulsion-ocgrenade/)



Defense Technology, Flameless Tri-Chamber Saf-Smoke Grenade, #1033

QUANTITY	100
LIFESPAN	5 years
INITIAL COST	\$43/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The design of the Tri-Chamber Flameless Saf-Smoke Grenade allows the contents to burn within an internal can and disperse the agent safely with reduced risk of fire. The grenade is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This grenade will deliver approximately .70 oz. of agent during its 20-25 seconds burn time. The Tri-Chamber Flameless Grenade 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. The purpose of the Tri-Chamber Flameless Grenade 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 Grenade 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. (Description Source: https://www.defense-technology.com/product/flameless-tri-chamber-saf-smoke-grenade/)

Defense Technology, Pocket Tactical Blue Smoke Grenade, #1017B

QUANTITY	11
LIFESPAN	5 years
INITIAL COST	\$39/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The Pocket Tactical Blue Smoke Grenade is a small, lightweight device. Though it is slightly over four inches in length, it produces a blue smoke cloud so fast it appears to be an enveloping screen produced by a full size tactical colored smoke grenade. It will burn approximately 20-40 seconds.

(Description Source: https://www.defense-technology.com/product/pocket-tactical-blue-smokegrenade/)



Defense Technology, Riot Control Control Continuous Discharge OC Grenade, #1080

QUANTITY	82
LIFESPAN	5 years
Initial Cost	\$41/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The Riot Control OC Grenade is designed specifically for outdoor use in crowd control situations with a high volume continuous burn that expels its payload in approximately 20-40 seconds through four gas ports located on the top of the canister. This grenade can be used to conceal tactical movement or to route a crowd. The volume of smoke and agent is vast and obtrusive. This launchable grenade is 6.0 in. by 2.35 in. and holds approximately 0.88 oz. of active agent.

(Description Source: https://www.defense-technology.com/product/riot-control-continuous-discharge-grenade-oc/)



Defense Technology, OC Triple-Chaser Separating Canister, #1020

QUANTITY	26
LIFESPAN	5 years
INITIAL COST	\$61/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The OC Triple-Chaser Pyrotechnic Grenade is one of our first-ever pyrotechnic grenades that combines the effectiveness of Oleoresin Capsicum (OC) as an irritant and inflammatory agent with the flexible delivery methods, range and area coverage of pyrotechnic munitions for crowd control. The Triple-Chaser OC consists of three separate canisters pressed together. This grenade can be hand thrown or launched from a delivery system. The grenade is 6.5 in. by 2.7 in. and holds approximately 1.06 oz. of active agent payload. It has an approximate burn time of 20-30 seconds.

(Description Source: https://www.defense-technology.com/product/triple-chaser-separating-canister-oc/)

Defense Technology, OC Vapor Aerosol Grenade, #1056

QUANTITY	16
LIFESPAN	5 years
INITIAL COST	\$49/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The Defense Technology OC Vapor Aerosol Grenade is for law enforcement and corrections use to deliver a high concentration of Oleoresin Capsicum (OC) in a powerful mist. The grenade is designed for indoor use in confined areas and, once deployed, inflames the mucous membranes and exposed skin resulting in an intense burning sensation. The incapacitating effect of the OC Vapor on the subject is dramatic with minimal decontamination needed. Removing the subject from the affected area to fresh air will resolve respiratory effects within minutes. The OC Vapor Aerosol Grenade is ideal for cell extractions or barricade situations where the use of pyrotechnic, powder or liquid devices is not practical or desired.

(Description Source: https://www.defense-technology.com/product/oc-vapor-aerosol-grenade/)



Defense Technology, Han-Ball OC Grenade, #1099

QUANTITY	28
LIFESPAN	5 years
INITIAL COST	\$49/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The Han-Ball OC Grenade expels its payload in approximately 10-25 seconds. The rubber ball round has an overall size of 4.8 in. tall, including the fuse head, and 3.1 in. diameter. This launchable grenade holds approximately 0.29 oz. of active agent. The Han-Ball OC Grenade is a fast burning, high volume continuous discharge grenade. (Description Source: https://www.defense-technology.com/product/han-ball-grenade-oc/)

Defense Technology, OC Aerosol Grenade 1.3% Fogger, 6-ounce, #56854

QUANTITY	28
LIFESPAN	5 years
Initial Cost	\$22/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The 6 oz. OC Aerosol Grenade will deliver its payload of 1.3% MC% OC in 20-25 seconds. This is an anatomized mist which enhances the pungent 1.3% OC formulation. Ideal for area denial areas like attics, garages, etc. This device has minimum clean up. The canister may also be handheld to direct the spray pattern. This product is designed to provide room clearing ability with minimum clear up requirements.

(Description Source: https://www.defense-technology.com/product/oc-aerosol-grenade-1-3-fogger-6-ounce/)



Defense Technology, First Defense 1.3% MK-9 Stream OC Aerosol, #56895

QUANTITY	5
LIFESPAN	5 years
INITIAL COST	\$55/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The MK-9 features an easy to use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.

(Description Source: https://www.defense-technology.com/product/first-defense-1-3-mk-9-stream-oc-aerosol/)

Defense Technology, First Defense 1.3% MK-9 Fogger OC Aerosol, #43953

QUANTITY	28
LIFESPAN	5 years
INITIAL COST	\$57/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The MK-9 features an easy to use trigger handle, is intended for use in crowd management and will deliver 14 short bursts of OC at an effective range of 18-20 ft. This 1.3% MC OC aerosol product utilizes a cone or fogger delivery method providing a wide spray pattern for easier target acquisition.

(Description Source: https://www.defense-technology.com/product/first-defense-1-3-mk-9-fogger-oc-aerosol/)



Defense Technology, First Defense 1.3% MK-46V Stream OC Aerosol #43046

QUANTITY	10
LIFESPAN	5 years
INITIAL COST	\$495/unit



Manufacturer: Safariland, LLC / Defense Technology

Manufacturer Description: The MK-46 features a trigger handle, is intended for use in crowd management and will deliver 26 short bursts of OC at an effective range of 25-30 ft. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream for greater standoff.

(Description Source: https://www.defense-technology.com/product/first-defense-1-3-mk-46v-stream-oc-aerosol/)



Explosive Breaching Tools

Explosive Breaching Tools: Tools that are used to conduct an explosive breach.

Capability: Explosive breaching tools have a variety of individual capabilities. The listed tools are utilized by SWAT operators and are capable of breaching glass, metal doors, wood doors, deadbolts, locks, and hinges.

Usage: The listed equipment is used by SWAT operators to safely gain entry into a structure during high-risk operations.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Orders 580.02 (Use of Force), 580.04 (Firearms), 580.15 (SWAT) and 580.16 (SWAT Diversionary Devices). It is the policy of the SPD to utilize breaching tools only for official law enforcement purposes, and pursuant to state and federal law including the provisions of Penal Code section 13652, initiated by California Assembly Bill 48.

Training Requirements: All officers who use explosive breaching tools shall attend 40 hours of explosive breaching instruction and must receive quarterly training for explosive operations.

The Department currently possesses the following explosive breaching tools:

Detonating Cord – Primacord 10

QUANTITY	4	1000 ft
LIFESPAN		5 years
INITIAL COST		\$1/ft



Manufacturer: Dyno Nobel Inc.

Manufacturer Description: Dyno Nobel Inc. Primacord 10 (Part number A349030) PRIMACORD detonating cords are flexible linear explosives with a core of PETN explosive encased in a textile outer jacket. With the PETN exploding at a rate of approximately 6400 m/s, any common length of detonation cord appears to explode instantaneously. It is a high-speed fuse which explodes, rather than burns, and is suitable for detonating high explosives. (Description Source:

https://www.dynonobel.com/~/media/Files/Dyno/ResourceHub/Technical%20Information/North%20America/Initiation%20Systems/Detonating%20Cord/Primacord.pdf)



Blasting Caps

QUANTITY	90
LIFESPAN	10 years
INITIAL COST	\$12/unit



Manufacturer: Dyno Nobel Inc.

Manufacturer Description: (Model: PL0450061011114040) A blasting cap is a small sensitive primary explosive device generally used to detonate a larger, more powerful and less sensitive secondary explosive such as TNT, dynamite, or plastic explosive. Blasting caps come in a variety of types, including non-electric caps, electric caps, and fuse caps. (Description Source: https://www.dynonobel.com/)

Royal Remington 870 Express Breaching Shotgun

QUANTITY	5
LIFESPAN	25 years
INITIAL COST	\$500/unit

Manufacturer: Royal Arms International / Remington Firearms

Manufacturer Description: This weapon allows breachers to safely utilize shotgun breaching rounds in order to destroy deadbolts, locks, and hinges. The stand-off that is attached to the end of the barrel allows for positive placement of the gun into the correct position and vents gases to prevent overpressure. This weapon can also defeat windows and sliding glass doors with a flash bang round. A less lethal 2.4-inch 12-gauge shotgun round firing a ballistic fiber bag filled with 40 grams of lead shot at a velocity of 270-290 feet per second (FPS).

Royal Arms Breaching Shotgun starts out with the Remington 870 Express Synthetic 12 Ga Shotgun as its base. We then completely modify it with our custom CNC machined parts to be the ultimate Breaching Shotgun. Royal Arms invented the Breachers and Breaching shotguns. The Remington Express Synthetic model is a great option for those who don't need the upgraded performance of the Police model.

(Description Source: https://royalarms.com/shop/royal-remington-870-express-breaching-shotgun/)



Royal Arms Tesar-2 Black Cap 425 Grain Copper Frangible

QUANTITY	201
LIFESPAN	5 years
INITIAL COST	\$5/unit



Manufacturer: Royal Arms International

Manufacturer Description: The round is fired from a breaching shotgun and is used to destroy deadbolts, locks and hinges. Black Cap 2-3/4" 425 Grain Compressed Copper Frangible 12 Ga Shotgun Slug.

(Description Source: https://royalarms.com/shop/black-cap-420-gr-copper-frangible-12-round-box/)

Royal Arms Tesar-3 Green Cap 375 Grain Clayvon Frangible Breaching Round

QUANTITY	11
LIFESPAN	5 years
INITIAL COST	\$5/unit



Manufacturer: Royal Arms International

Manufacturer Description: The round is fired from a breaching shotgun and is used to destroy deadbolts, locks and hinges. Green Cap 2-3/4" 375 Grain Clayvon® Frangible 12 Ga Shotgun Slug.

(Description Source: https://royalarms.com/shop/tescr3-frangible-breaching-ammo/)



Royal Arms Tesar-4 Yellow Cap 750 Grain Copper Frangible Breaching Round

QUANTITY	12
LIFESPAN	5 years
INITIAL COST	\$5/unit



Manufacturer: Royal Arms International

Manufacturer Description: The round is fired from a breaching shotgun and is used to destroy class 3 doors heavy steel doors, locks, and hinges. Yellow Cap 2-3/4" 750 Grain Copper/S-70 Steel Frangible 12 Ga Shotgun Slug.

(Description Source: https://royalarms.com/shop/coppers70-steel-750-grain-12-round-box/)

Royal Arms HP Cutter 12-Gauge Hollow Point Rebar Cutter Breaching Round

QUANTITY	24
LIFESPAN	5 years
INITIAL COST	\$6/unit



Manufacturer: Royal Arms International

Manufacturer Description: The round is fired from a breaching shotgun and is used to cut rebar, penetrate security glass, car doors, and can penetrate engine blocks. Silver Cap 2-3/4" 450 Grain Hardened Steel Slug NON-Frangible 12 Ga Shotgun Slug.

(Description Source: https://royalarms.com/shop/12-ga-hollow-point-rebar-cutter-round/)



Royal Arms FB-82H 12-Gauge 82 Grain Flash Bang Hard Breaching Round

QUANTITY	71
LIFESPAN	5 years
INITIAL COST	\$5/unit



Manufacturer: Royal Arms International

Manufacturer Description: The rounds are fired from a breaching shotgun and is used as a diversionary round and can be used to break glass.

(Description Source: https://royalarms.com/shop/fb82h-12-ga-flash-bang-hard/)

Royal Arms MB-70S 12-Gauge Muzzle Blast Flash Bang Soft Breaching Round

QUANTITY	29
LIFESPAN	5 years
INITIAL COST	\$6/unit



Manufacturer: Royal Arms International

Manufacturer Description: The round is fired from a breaching shotgun and is used as a diversionary round and can be used to break glass. Less Lethal / Diversionary Round 170 dB will Breach Windows, Sliders, Car windows, Light Wood Doors / Interior Doors. (Description Source: https://royalarms.com/shop/12-ga-82-grain-flash-bang-soft-12-rnds-per-box/)



PepperBall Launchers and Projectiles

PepperBall Launcher: A device that discharges PAVA powder projectiles.

Capability: A PepperBall Launcher can quickly and accurately deploy small, non-lethal projectiles ("Pepper Balls") from an effective distance of 150 feet, that produce a chemical that can rapidly produce sensory irritation or disabling physical effects in humans, which disappear within a short time following termination of exposure.

Usage: PepperBall equipment is used 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 self-destructive individuals, dangerous and/or combative individuals, riot/crowd control and civil unrest incidents, circumstances where a tactical advantage can be obtained, potentially vicious animals, and in training exercises or displayed during community events.

Legal and Procedural Rules: The use of this equipment shall comply with the authorizations and prohibitions set forth in SPD General Orders 580.02 (Use of Force) and 580.12 (Less Lethal Weapon Systems), and SPD Reference Manuals 580.07 (Chemical Agent Manual) and 532.11 (First Amendment Assemblies Manual). It is the policy of the SPD to utilize PepperBall Launchers only for official law enforcement purposes, and pursuant to state and federal law, including the provisions of Penal Code section 13652, initiated by California Assembly Bill 48.

Training Requirements: SPD officers utilizing PepperBall launchers and projectiles are trained in their use by California POST certified less lethal and chemical agent instructors.



The Department currently possesses the following PepperBall equipment:

PepperBall VKS Carbine

QUANTITY	61
LIFESPAN	20 years
INITIAL COST	\$1,300/unit



Manufacturer: PepperBall

Manufacturer Description: The Variable Kinetic System (VKS) is a compressed-air powered launcher designed to fire non-lethal PepperBall projectiles. The PepperBall VKS Carbine features a Dual Feed System that offers the ability to quickly switch between Hopper mode and Magazine mode for optimum versatility.

The Variable Kinetic System Carbine also means you can adjust your velocity up to 350fps - right out of the box. It offers a MIL-STD-1913 rail platform, machined upper, lightweight polymer lower, a functional charging handle and an external variable velocity adjustment. (Description Source: https://shop.pepperball.com/products/pepperball-vks%E2%84%A2-carbine)

PepperBall Live Projectile

QUANTITY	8 containers (375 projectiles per container)
LIFESPAN	3 years
INITIAL COST	\$967/box



Manufacturer: PepperBall

Manufacturer Description: The live PepperBall® round contains 2.0% PAVA. It is effective for direct impact and area saturation when there is no line of sight. PAVA is based on one of the hottest of the six capsaicinoids found in pepper plants. PepperBall products contain only safe, pure, non-oil based PAVA and are non-flammable. Ingredient consistency ensures each projectile operates with quality and effectiveness.

(Description Source:

https://shop.pepperball.com/products/livepepperballs? pos=2& sid=8307bd536& ss=r)



PepperBall Live-X Projectile

QUANTITY	8 containers (375 projectiles per container)
LIFESPAN	3 years
INITIAL COST	\$1,244/container



Manufacturer: PepperBall

Manufacturer Description: Our most potent and powerful concentration of PAVA pepper powder. At 5% PAVA, a LIVE-X™ round contains double the amount of PAVA chemical agent of a regular PepperBall® LIVE SD™ round. PAVA is based on one of the hottest of the six capsaicinoids found in pepper plants. PepperBall products contain only safe, pure, non-oil based PAVA and are non-flammable. Ingredient consistency ensures each projectile operates with quality and effectiveness.

(Source Description: https://shop.pepperball.com/collections/projectiles2/products/pepperball-live-x)

PepperBall VXR Live-X Projectile

QUANTITY	13 boxes (150 projectiles per box)
LIFESPAN	3 years
INITIAL COST	\$516/box



Manufacturer: PepperBall

Manufacturer Description: The VXR Live-X Projectile is a non-lethal round. The projectile contains approximately 10x the PAVA of the VXR LIVE projectile. This projectile is best for direct impact or area saturation. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-425 FPS. The projectile has a direct impact of 150ft and an area of saturation of 390+ft. The projectile contains 2.5% PAVA powder.

(Source Description: https://g22tactical.com/products/pepperball-vxr-live-x-max-distance-power-projectiles-50-count)



Conclusion

The acquisition and use of military equipment in our communities may impact the public's safety and welfare. The public has a right to know about any funding, acquisition, or use of military equipment by local government officials, as well as a right to participate in the local government's decision to fund, acquire, or use such equipment. When making decisions regarding how military equipment is funded, acquired, or used, the Sacramento Police Department gives strong consideration to the public's welfare, safety, civil rights, and civil liberties.

In a continued effort for greater transparency, the Sacramento Police Department places high regard to meaningful public input in the use of military equipment in our community, in an effort to increase the safety of the public. Any member of the public can submit a question or concern regarding military equipment use by contacting the Sacramento Police Department's Professional Standards Unit via email at SPDPSU@pd.cityofsacramento.org. The Department will strive to provide a timely response to the community's questions and concerns regarding the use of military equipment.

Any member of the public can submit a complaint to any member of the Department and in any form (i.e., in person, telephone, email, etc.). Once the complaint is received, it should be routed to the Internal Affairs Division in accordance with Sacramento Police Department General Order 220.01 (Personnel Complaints).



