

# CITY COUNCIL STAFF REPORT

**DATE:** April 11, 2023

**TO:** City Council/City Manager

**FROM:** Denton Carlson, Police Chief  
**By:** Denton Carlson, Police Chief



**SUBJECT:** RESOLUTION NO. 2023-037 - Accepting the Annual Specialized or Military Equipment Use Report and Renewing the Specialized or Military Equipment Use Policy

## RECOMMENDED ACTION

Staff recommends that the City Council accept the following report detailing the Police Department's use of Specialized or Military Equipment during the 2022 calendar year and, by approval of the resolution, renew Ordinance B7-300 of the San Ramon Municipal Code approving the Specialized or Military Equipment Use Policy.

## BACKGROUND/DISCUSSION

In September of 2021, the California State Legislature passed Assembly Bill 481 titled, "Law enforcement and state agencies: military equipment: funding, acquisition, and use." A.B. 481 was approved by Governor Newsom on September 30, 2021, and amended California Government Codes §§7070 - 7075, effective January 1, 2022.

On May 10, 2022, the City Council approved Section B7-300 of the San Ramon Municipal Code and the adoption of San Ramon Police Department Policy 708, which authorized the use of Specialized or Military Equipment by the San Ramon Police Department. Pursuant to California Government Code Section 7072 and Ordinance B7-300(C)(1) of the San Ramon Municipal Code, the San Ramon Police Department shall submit to the City Council an annual military equipment report, make the annual report publicly available on the Police Department's website, and within 30 days of publicly releasing the annual report, hold a well-publicized community engagement meeting at which the general public may discuss and ask questions regarding the Police Department's annual military equipment report and policy.

In addition, California Government Code Section 7071(e)(1) requires the City Council to vote annually on the renewal of the Ordinance associated with the authorization of Specialized or Military Equipment at a regular meeting held pursuant to the Ralph M. Brown Act (Chapter 9 (commencing with Section 54950) of Part 1 of Division 2 of Title 5).

The following attachments are included in this Staff Report, which shall serve as the Police

Department's annual specialized or military equipment report, and the request for renewal of Ordinance B7-300, as required by California Government Code 7072.

Attachment A - A summary of how the specified equipment was used.

Attachment B - A summary of complaints or concerns received associated with specialized or military equipment.

Attachment C - The results of any internal audits, any information about violations of the specialized or military equipment use policy, and any actions taken in response.

Attachment D - The quantity possessed for each type of equipment and the total annual cost for each type of military equipment.

During the 2023 calendar year, the San Ramon Police Department does not anticipate purchasing or adding any additional specialized or military equipment.

### **FISCAL ANALYSIS**

This annual report does not have any fiscal impact beyond what is outlined in Attachment D of this report. The San Ramon Police Department does not anticipate purchasing additional equipment outside our current Specialized or Military Equipment inventory.

### **STEPS FOLLOWING APPROVAL**

Once approved, this annual report will be published on the San Ramon Police Department's website to ensure availability for all members of the public to review.

A community engagement meeting, as required by California Government Code Section 7072(b), will be held at the San Ramon Police Department on **Wednesday, April 26, at 4 pm** to ensure the general public has the opportunity to discuss and ask questions associated with the annual military equipment report and our agency's funding, acquisition, or use of specialized or military equipment. This meeting will be well-publicized following the approval of this report.

### **ATTACHMENT**

A - Summary of Specialized or Military Equipment Use

B - Summary of Concerns or Complaints

C - Internal Audits or Violations

D - Specialized or Military Equipment Inventory and Cost Analysis

**RESOLUTION NO. 2023-037**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SAN RAMON  
ACCEPTING THE ANNUAL SPECIALIZED OR MILITARY EQUIPMENT USE  
REPORT AND RENEWING THE SPECIALIZED OR MILITARY EQUIPMENT USE  
POLICY**

**WHEREAS**, on May 10, 2022, the City Council adopted Ordinance B7-300 approving the San Ramon Police Department's Specialized or Military Equipment Use Policy; and

**WHEREAS**, the Specialized or Military Equipment Use Policy and Government Code section 7072 requires the City to publish annually a report for the prior calendar year which includes: (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; and (6) if the Police Department intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment; and

**WHEREAS**, the Military Equipment Use Policy and Government Code section 7072 also require that within 30 days of submitting and publicly releasing the annual military equipment report, the Police Department 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 Police Department's funding, acquisition, or use of military equipment; and

**WHEREAS**, on April 26, 2023, the Police Department will hold a well-publicized community meeting at the San Ramon Police Department to give the public the opportunity to discuss and ask questions regarding the Annual Report on Specialized or Military Equipment and the Police Department's funding, acquisition, or use of specialized or military equipment.

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of San Ramon does resolve, declare, and determine the following:

**SECTION 1** - The City Council accepts the San Ramon Police Department's Annual Report of Specialized or Military Equipment Use for 2022.

**SECTION 2** - Based on the Annual Report on Specialized or Military Equipment Use for 2022, the City Council determines that each type of specialized or military equipment identified in the report has complied with the following standards:

- A. The military equipment identified in the Specialized or Military Equipment Use Policy is necessary because there is no reasonable alternative that can achieve the same objective of officer and civilian safety; and
- B. The Specialized or Military Equipment Use Policy will safeguard the public's welfare, safety, civil rights, and civil liberties; and
- C. The equipment described in the Specialized or Military Equipment Use Policy is reasonably cost effective compared to available alternatives that can achieve the same objective of officer and civilian safety; and
- D. The use of specialized or military equipment complied with the applicable equipment use policy.

**SECTION 3** - The City Council renews the Specialized or Military Equipment Use Policy.

**PASSED, APPROVED, AND ADOPTED**, at the meeting of April 11, 2023 by the following votes:

**AYES:**

**NOES:**

**ABSENT:**

**ABSTAIN:**

\_\_\_\_\_  
David E. Hudson, Mayor

**ATTEST:**

\_\_\_\_\_  
Joan Snashall, Acting City Clerk



# San Ramon Police Department

2401 Crow Canyon Road | San Ramon, CA 94583  
(925) 973-2700 | Denton Carlson, Chief of Police

## ATTACHMENT A

### SUMMARY OF SPECIALIZED OR MILITARY EQUIPMENT USE

Date	Equipment	Location	Reason for Deployment
01/15/2022	Drone	San Ramon	Missing Person Search
01/30/2022	Drone	San Ramon	Suspect Search / Fled from Officers on foot
02/03/2022	Armored Rescue Vehicle	El Sobrante	Outside agency assistance for California Highway Patrol
02/12/2022	Kinetic Energy Projectile	Moraga	Outside agency assist for Moraga Police Department – Armed and barricaded individual
02/16/2022	Armored Rescue Vehicle	Castro Valley	Outside agency assistance for California Highway Patrol
03/22/2022	Armored Rescue Vehicle, Drone	Walnut Creek / Pleasant Hill	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect
04/06/2022	Armored Rescue Vehicle	Pleasant Hill	Central County SWAT Emergency Call Out – Armed and barricaded individual
05/11/2022	Armored Rescue Vehicle, Drone, Flashbang,	Walnut Creek	Central County SWAT Search / Arrest Warrant – Armed and Dangerous Suspect – Assistance request by the Safe Streets Task Force
05/16/2022	Armored Rescue Vehicle	San Pablo	Outside agency assistance for San Pablo Police Department
05/17/2022	Drone	San Ramon	Outside agency assistance for Alameda County Violent Crimes Task Force
05/21/2022	Drone	San Ramon	Overwatch for Row vs. Wade March
05/25/2022	Drone	San Ramon	Overwatch for Chevron shareholder's meeting protest
06/07/2022	Armored Rescue Vehicle	San Pablo	Outside agency assistance for San Pablo Police Department
06/10/2022	Armored Rescue Vehicle, Drone, Flashbang	Pittsburg	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect – Assistance request by the Safe Streets Task Force



06/30/2022	Armored Rescue Vehicle, Drone	Richmond	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect – Assistance request by the Safe Streets Task Force
08/04/2022	Armored Rescue Vehicle, Drone	San Ramon	Outside agency assistance and arrest warrant assistance for U.S. Marshals
08/18/2022	Armored Rescue Vehicle	Dublin	Outside agency assistance for California Highway Patrol
08/24/2022	Armored Rescue Vehicle, Drone	Antioch	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect
08/25/2022	Drone	San Ramon	Aerial photographs for traffic collision scene
09/11/2022	Armored Rescue Vehicle, Drone, Flashbang	Antioch	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect
09/21/2022	Armored Rescue Vehicle, Drone	Pittsburg	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect
09/27/2022	Armored Rescue Vehicle, Flashbang	Pleasant Hill	Central County SWAT Emergency Call Out – Armed and barricaded individual
10/16/2022	Armored Rescue Vehicle, Drone	Concord	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect
11/08/2022	Drone	Walnut Creek	Outside agency assistance – U.S. DEA
11/15/2022	Armored Rescue Vehicle, Drone, Flashbang	Pleasant Hill	Central County SWAT Search / Arrest Warrant – Armed and dangerous suspect
12/28/2022	Drone	San Ramon	Search warrant service
12/31/2022	Armored Rescue Vehicle	San Ramon	Flood rescues



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## ATTACHMENT B

### SUMMARY OF COMPLAINTS OR CONCERNS RECEIVED ASSOCIATED WITH SPECIALIZED OR MILITARY EQUIPMENT USE

During the 2022 calendar year, the San Ramon Police Department **did not** receive any complaints or concerns associated with our use of Specialized or Military Equipment.

To ensure the information is available to the public, those who have complaints or concerns are encouraged to contact the San Ramon Police Department using the information provided below. This information is also included in Section 708 of the San Ramon Police Department Policy Manual.

Via email: [police@sanramon.ca.gov](mailto:police@sanramon.ca.gov)

Via phone: (925) 973-2700

Via mail: San Ramon Police Department  
 Attn: Specialized or Military Equipment Use Coordinator  
 2401 Crow Canyon Road  
 San Ramon, CA 94583



# San Ramon Police Department

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## ATTACHMENT C

### INTERNAL AUDITS OR VIOLATIONS OF THE SPECIALIZED OR MILITARY EQUIPMENT USE POLICY

During the 2022 calendar year, every Specialized or Military Equipment Use was analyzed using a standardized post-incident debrief methodology, including detailed After Action Reports when necessary. This included all incidents in which force was used and also reviewed under San Ramon Police Department Policy Section 302, Use of Force Review.

No violations were discovered associated with the use of Specialized or Military Equipment as it applies to the San Ramon Police Department's Specialized or Military Equipment Use Policy (Section 708) or the San Ramon Police Department's Use of Force Policy (Section 300).





# San Ramon Police Department

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## ATTACHMENT D

### SPECIALIZED OR MILITARY EQUIPMENT INVENTORY AND COST ANALYSIS

<b>Equipment Name:</b> Unmanned Aircraft Systems (UAS/Drones) – CA GC §7070(c)(1)	
<b>Quantity Owned/Sought:</b> 11 owned	<b>Lifespan:</b> Approximately 5 years
<b>Equipment Capabilities:</b> Remotely piloted aerial vehicles capable of providing live and recorded video images captured from aerial positions, including images enhanced by Forward Looking Infrared (FLIR) and optical zoom lenses.	
<b>Product Descriptions:</b>	
<b>DJI Matrice 300 RTK (1 owned):</b> The DJI Matrice 300 RTK is a commercial-grade drone platform that offers a maximum of 55 minutes of flight time and, due to its larger size and power, is capable of flying in higher wind conditions. It is equipped with a high-resolution camera, a FLIR thermal imaging sensor, and the capability to transmit a live video feed.	
<b>DJI Mavic II Pro (2 owned):</b> The DJI Mavic II Pro is a small yet powerful drone with a maximum flight time of 31 minutes and the capability to transmit a live video feed.	
<b>DJI Mavic II Enterprise (1 owned):</b> The Mavic II Enterprise is a drone solution with a FLIR thermal imaging sensor and is designed for use during search and rescue, policing, and firefighting support. It is a compact solution that is easily deployable with a maximum of 31 minutes in flight time.	
<b>DJI Mavic II Zoom (3 owned):</b> The Mavic 2 Zoom is a professional quality drone with a high-resolution zoom camera and up to 31 minutes of flight time with the capability of transmitting a live video feed. <b>DJI Mavic Mini (4 owned):</b> The Mavic mini is a lightweight, compact, foldable drone that is handheld and weighs only 8.8 oz. It is small and light enough to fly indoors while still maintaining outdoor flight capabilities with a 2.5-mile transmission range and 31 minute flight time.	
<b>Purpose/Authorized Uses:</b> UAS/Drones may be utilized to enhance the department's mission of protecting lives and property when other means and resources are not available or are less effective. Uses may include but are not limited to: search and rescue, suspect apprehension, crime scene documentation, traffic collision documentation, tactical operations, scene security, hazard monitoring, identification, and mitigation, response to emergency calls, crisis communications, and legally authorized surveillance.	
<b>Fiscal Impacts:</b> The initial costs of equipment, licensing, software, and training were approximately \$60,000. The ongoing cost associated with UAS operation and maintenance is estimated to be approximately \$12,000 per year.	
<b>Legal/Procedural Rules Governing Use:</b> Any use of a UAS will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations. The use of the UAS potentially involves privacy considerations. Absent a warrant or exigent circumstances, operators and observers shall adhere to FAA altitude regulations and shall not intentionally record or transmit images of any location where a person would have a reasonable expectation of privacy (e.g., residence, yard, enclosure). Operators and observers shall take reasonable precautions to avoid inadvertently recording or transmitting images of areas where there is a reasonable expectation of privacy. Reasonable precautions can include,	

for example, deactivating or turning imaging devices away from such areas or persons during UAS operations.

**Training Required:** Prior to piloting any UAS/Drone, staff members must secure an FAA Remote Pilot License and complete all training required by our FAA COA.

**Other Notes:** None.

**Equipment Name:** Unmanned, remotely piloted, powered ground vehicles - CA GC §7070(c)(1)

**Quantity Owned/Sought:** 1 owned

**Lifespan:** 20 years

**Equipment Capabilities:** Allows for mechanical and robotic entry into confined spaces when physical entry by San Ramon Police Department personnel would pose a high risk to officer safety.

**Product Description:**

The AVATAR robot allows operators to safely inspect dangerous locations without physically entering a structure. It is quickly deployable, navigates various terrain (including stairs), has two-way audio capabilities, and allows the operator to visually inspect the location through a pan-tilt-zoom camera.

**Purpose/Authorized Uses:** This robot is used in response to critical incidents to enhance officer safety and community safety. The use of this robot shall only be authorized by a watch commander or SWAT Commander, based on the specific circumstances of a given critical incident.

**Fiscal Impacts:** The initial cost for this robot was approximately \$8,000. Annual maintenance is estimated at less than \$100.

**Legal/Procedural Rules Governing Use:** It is the policy of the San Ramon Police Department to only use this vehicle for official law enforcement purposes and pursuant to State and Federal law.

**Training Required:** Authorized operators are members of the Central County SWAT Team and have completed an 80-hour CA POST-certified Special Weapons and Tactics Course.

**Other Notes:** None



<b>Equipment Name:</b> Armored Personnel Carrier - CA GC §7070(c)(2)	
<b>Quantity Owned/Sought:</b> 1 owned	<b>Lifespan:</b> 25 Years
<b>Equipment Capabilities:</b> This rescue vehicle is NIJ Level IV certified and designed to withstand multiple strikes from .50 caliber ammunition while still maintaining operational capabilities.	
<b>Product Description:</b> The Lenco BearCat is the standard tactical rescue vehicle for the law enforcement community in the United States. The BearCatG3 version utilizes a heavier duty upgraded suspension with off-road (run-flat) tires, rims, and increased ground clearance for emergency and natural disaster responses that traverse beyond traditional roadways. It seats up to 12 uniformed officers, and the 4-door version with an open floor plan allows for easier rescue of injured persons during critical incidents.	
<b>Purpose/Authorized Uses:</b> This vehicle is used in response to critical incidents to enhance officer safety, community safety, improve scene containment and stabilization, officer and community rescues, and assist in the resolution of critical incidents. The use of this vehicle shall only be authorized by a watch commander or SWAT Commander, based on the specific circumstances of a given critical incident and in accordance with San Ramon Police Department Policy Section 409.	
<b>Fiscal Impacts:</b> The initial cost for this vehicle was \$325,000. Of this amount, \$148,000 was off-set through supplemental Federal funding granted through the Bay Area Urban Area Security Initiative (BAUASI). Annual maintenance and costs for this vehicle are estimated at \$2,500.	
<b>Legal/Procedural Rules Governing Use:</b> It is the policy of the San Ramon Police Department to only use this vehicle for official law enforcement purposes and pursuant to State and Federal law.	
<b>Training Required:</b> San Ramon Police Department members authorized to operate this vehicle have been trained by personnel who have completed a 24-hour CA POST-certified Tactical Armored Vehicle Operations course.	
<b>Other Notes:</b> None.	

<b>Equipment Name:</b> Explosive breaching apparatuses - CA GC §7070(c)(7)	
<b>Quantity Owned/Sought:</b> Outlined below	<b>Lifespan:</b> 10 years
<b>Equipment Capabilities:</b> Allows for specially training San Ramon Police Department officers to utilize a specially designed shotgun to defeat a fortified locking mechanism.	
<b>Product Description:</b> A specially designed Remington 870 shotgun (1 owned) that is retrofitted with a spiked standoff breaching barrel that allows for the safe and effective firing of frangible copper rounds.  Compressed copper 12 gauge breaching rounds (32 owned): These 12 gauge shotgun rounds, which are restricted for law enforcement, military, or government use only, are manufactured using compressed copper. This design allows them to be fired into a locking mechanism or doors to defeat the mechanical system allowing for immediate entry by law enforcement personnel during a critical incident.	
<b>Purpose/Authorized Uses:</b> The equipment outlined above is designed and authorized for use when San Ramon Police Department personnel, who are members of the Central County SWAT Team, encounter subjects whose violence or danger to the public exceeds the capabilities of standard police officer equipment.	
<b>Fiscal Impacts:</b> The initial cost for this equipment was approximately \$1100. Annual maintenance is conducted by San Ramon Police Department personnel.	
<b>Legal/Procedural Rules Governing Use:</b> All applicable State, Federal and Local laws governing police use of force. Various San Ramon Police Department Policies on Use of Force and Firearms.	
<b>Training Required:</b> Authorized operators are members of the Central County SWAT Team and have completed an 80-hour CA POST-certified Special Weapons and Tactics Course and a Tactical Breaching Course.	
<b>Other Notes:</b> None	

**Equipment Name:** Specialized firearms - CA GC §7070(c)(10)



<p><b>Quantity Owned/Sought:</b> 78 owned (4 have converted to training weapons and are no longer capable of firing .223 caliber ammunition) (4 are not in use due to safety-related recalls) (8 have been removed from service due to extensive use and reduced functionality)</p>	<p><b>Lifespan:</b> Approximately 15 years</p>
<p><b>Equipment Capabilities:</b> These patrol rifles are capable of firing .223 caliber ammunition with precision accuracy from extended distances, if necessary.</p>	
<p><b>Product Description:</b> <b>Bushmaster AR-15 A2 (3 owned), Colt AR-15 A2 (32 owned), Colt M4 (18 owned), and Rock River AR-15 A2 (25 owned)</b> are lightweight .223 caliber semi-automatic carbine rifles.</p>	
<p><b>Purpose/Authorized Uses:</b> Officers may deploy the patrol rifle in any circumstance where the officer can articulate a reasonable expectation that the rifle may be needed. Examples of some general guidelines for deploying the patrol rifle may include but are not limited to: Situations where the officer reasonably anticipates an armed encounter. When an officer is faced with a situation that may require accurate and effective fire at long range. Situations where an officer reasonably expects the need to meet or exceed a suspect's firepower. When an officer reasonably believes that there may be a need to fire on a barricaded person or a person with a hostage. When an officer reasonably believes that a suspect may be wearing body armor. When authorized or requested by a supervisor.</p>	
<p><b>Fiscal Impacts:</b> The cost of these rifles was spread out over the past 10+ years, and the total cost for the 78 rifles was approximately \$94,000. The ongoing costs for ammunition will vary, and maintenance is conducted by departmental staff who are certified rifle armorers.</p>	
<p><b>Legal/Procedural Rules Governing Use:</b> All applicable State, Federal and Local laws governing police use of force. Various San Ramon Police Department Policies on Use of Force and Firearms.</p>	
<p><b>Training Required:</b> Officers must successfully complete a CA POST certified 24-hour patrol rifle course as well as regular department firearms training and qualifications as required by law and policy.</p>	
<p><b>Other Notes:</b> For clarification purposes only, these rifles are standard issue service weapons for members of the San Ramon Police Department. As such, <b><u>they are exempted</u></b> from this Military Equipment Use Policy per CA Gov't Code §7070 (c)(10). They have been included in this document out of an abundance of caution and in the interest of transparency.</p>	

<p><b>Equipment Name:</b> Specialized Ammunition - CA GC §7070(c)(10)</p>	
<p><b>Quantity Owned/Sought:</b> Outlined below</p>	<p><b>Lifespan:</b> 10 years</p>



<p><b>Equipment Capabilities:</b> Allows for specially training San Ramon Police Department officers to protect the community by enhancing their capability to accurately engage suspect(s) who present an immediate deadly danger to members of the community or public safety personnel.</p>
<p><b>Product Description:</b>  <b>Limited penetration .308 caliber rounds (1000 owned):</b> This hyper expanding hollow point bullet immediately deposits its energy within a very short distance, reducing the risk of over-penetration beyond its intended target.  <b>Tactical Barricade .308 caliber rounds (150 owned):</b> This tactical bullet is designed to reduce fragmentation and stays intact when striking a mid-level barricade. The minimal deflection and fragmentation further enhance bystander safety.  <b>Armor Piercing .308 caliber rounds (60 owned):</b> This round is designed with a tungsten carbide core that does not break apart upon impact and transfers the residual energy to the target with the purpose of penetrating light armor.</p>
<p><b>Purpose/Authorized Uses:</b> These specialized rounds are designed for use in response to critical incidents that present an immediate threat of deadly force to members of the community or public safety personnel.</p>
<p><b>Fiscal Impacts:</b> The initial cost for ammunition was approximately \$5,500. Ongoing annual cost is estimated at less than \$1000.</p>
<p><b>Legal/Procedural Rules Governing Use:</b> All applicable State, Federal and Local laws governing police use of force. Various San Ramon Police Department Policies on Use of Force and Firearms.</p>
<p><b>Training Required:</b> Authorized uses are members of the Central County SWAT Team and have completed an 80-hour CA POST-certified Special Weapons and Tactics Course and a 40-hour Rifle Marksmanship and Sniper/Observer Course. Users are required to maintain rifle qualification standards at the level in place for members of the Central County SWAT Team.</p>
<p><b>Other Notes:</b> None</p>

<p><b>Equipment Name:</b> Flashbang grenades, tear gas, and pepper balls - CA GC Code §7070(c)(12)</p>	
<p><b>Quantity Owned/Sought:</b> Outlined below</p>	<p><b>Lifespan:</b> 5 years</p>





<p><b>Equipment Capabilities:</b> The equipment listed in this section is designed to temporarily distract or temporarily incapacitate an individual through sound and light or through the introduction of a chemical irritant impacting the eyes, nose, and skin.</p>
<p><b>Product Description:</b></p> <p><b>Flashbang grenades (24 owned):</b> The Defense Technology Low Roll Non-Reloadable Distraction Device produces 175 dB or sound output at 5 feet and 6-8 million candellas for 10 milliseconds.</p> <p><b>Tear gas canisters (22 owned):</b> The Defense Technology Spede-Heat CS grenade and Flameless Tri-Chamber grenade were designed with the barricade situation in mind. Its applications in tactical situations are primarily to detect and/or dislodge barricaded subjects. The purpose is to minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects.</p> <p><b>40 mm Liquid CS Ferret round (74 owned):</b> The Defense Technology 40 mm Liquid Ferret round is used primarily by tactical teams and 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.</p> <p><b>40 mm Direct Impact OC Foam round (23 owned):</b> The Defense Technology 40mm OC Crushable Foam Round munition is a point-of-aim, point-of-impact direct-fire round. When loaded with OC powder, the Direct Impact combines blunt trauma with the effects of an irritant powder.</p> <p><b>PepperBall rounds (90 owned):</b> The PepperBall projectile contains 2% PAVA and is designed for direct impact and area saturation, especially in confined, interior spaces.</p>
<p><b>Purpose/Authorized Uses:</b> The equipment outlined above is designed and authorized for use when San Ramon Police Department personnel encounter subjects whose violence or danger to the public exceeds the capabilities of standard police officer equipment.</p>
<p><b>Fiscal Impacts:</b> The initial cost for this equipment is estimated at \$6500. Ongoing annual maintenance and replacement costs are estimated at \$1500.</p>
<p><b>Legal/Procedural Rules Governing Use:</b> All applicable State, Federal and Local laws governing police use of force. Various San Ramon Police Department Policies on Use of Force and Crowd Control.</p>
<p><b>Training Required:</b> Officers authorized to use items listed in this section must have completed an 80-hour CA POST-certified Special Weapons and Tactics course. The exception being PepperBall rounds, of which all officers within the San Ramon Police Department have been trained and certified by approved PepperBall Instructors.</p>

<b>Equipment Name:</b> 40mm Less Lethal Launchers and Kinetic Energy Munitions - CA GC §7070(c)(14)	
<b>Quantity Owned/Sought:</b> Outlined below	<b>Lifespan:</b> 15 years
<b>Equipment Capabilities:</b>	



**Manufacturer Product Description:**

**40 mm launchers (15 owned):** Penn Arms 40 mm launchers are manufactured using 4140 hardened steel, 6061-T6 mil-spec anodized aluminum and DuPont super tough glass-filled nylon. These launchers are lightweight, versatile, and used worldwide by police and corrections officers.

**40 mm launchers (12 owned):** Lewis Machine and Tool Co. (LMT Defense) are manufactured for Defense Technology. The 40LMTS will fire standard 40 mm less lethal ammunition, have a 14” barrel, and are also used worldwide by police and corrections officers.

**40 mm Kinetic Energy Munitions (85 owned):** The eXact iMpacT 40 mm 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 40 mm launcher's rifled barrel. The round utilized smokeless powder as the propellant, and, therefore, have velocities that are extremely consistent.

**40 mm Multiple Wood Baton Round (5 owned):** The 40 mm Multiple Wood Baton Round contains three wooden projectiles. It utilizes smokeless powder as a propellant. It is suitable for administering a means of pain compliance over a greater distance.

**Purpose/Authorized Uses:** The 40mm Less Lethal Launchers and Kinetic Energy Munitions are intended for use as a less-lethal use of force option.

**Fiscal Impacts:** The initial cost of this equipment was approximately \$24,000 and spread out over multiple years. The ongoing costs for munitions will vary, and maintenance is conducted by departmental staff.

**Legal/Procedural Rules Governing Use:** All applicable State, Federal and Local laws governing police use of force. Various San Ramon Police Department Policies on Use of Force and Crowd Control.

**Training Required:** Officers must complete a department-certified 40mm course as well as regular training and qualifications as required by law and policy.

**Other Notes:** None.