



**Livermore
Police
Department**

Annual Military Equipment Report 2022

SERVICE WITH HONOR . PROTECTION WITH PURPOSE.

Table of Contents

Introduction_____	3
Definitions_____	4
Community Concerns & Complaints_____	6
Internal Audit & Inventory_____	6
2022 Deployment Statistics_____	8
2022 Equipment Purchases_____	10
Proposed Equipment Purchases_____	11
Conclusion_____	12
APPENDIX	
Military Equipment Inventory	

Introduction



Effective January 1, 2022, Assembly Bill (AB) 481 requires law enforcement agencies to obtain approval of the applicable governing body (Mayor and City Council), by adoption of a military equipment use policy prior to taking certain actions relating to the funding, acquisition, or use of military equipment.

On September 30, 2021, the Governor of the State of California approved Assembly Bill 481 (codified as sections 7070-7075 of the California Government Code) requiring law enforcement agencies, such as the Livermore Police Department, to have a military use policy approved by the City Council prior to requesting, seeking funding, acquiring or using military equipment. Assembly Bill 481 allows the governing body to approve the policy within its jurisdiction only if it determines that the military equipment meets specified standards.

On April 11, 2022, the Livermore City Council approved Ordinance Section 2.36.200 *Military Equipment Policy*. As required by Assembly Bill 481 and the Ordinance, the Livermore Police Department must prepare a report on the use of each type of military equipment approved in the Policy over the last year. Subsequently, the City Council must then review the Ordinance, Policy and Annual Report, and determine whether the Department's use of military equipment in the past year complied with the Policy, and whether to continue the Ordinance and Policy, take action (by ordinance) to modify the Policy, or repeal the Ordinance.

As set forth in the Policy, the Livermore Police Department retains and employs limited military equipment to safeguard its community. LPD officers, certified instructional staff, and specialized units receive training throughout the year on the use of military equipment approved under the Policy.

This Annual Report outlines the Livermore Police Department's military equipment inventory and usage, community complaints over use of military equipment, and internal audits from January 1, 2022 through December 31, 2022. The Department will submit its Military Equipment Annual Report to City Council annually.

Definitions

The Assembly Bill has designated the following categories of items as military equipment.

NOTE: The Livermore Police Department does not possess or use many of these types of equipment and does not currently have plans to acquire any new types of equipment not currently in use by the department or its partner agencies.

EQUIPMENT CATEGORY 1

- Unmanned, remotely piloted, powered aerial or ground vehicles

EQUIPMENT CATEGORY 2

- Mine-resistant ambush-protected vehicles or armored personnel carriers

EQUIPMENT CATEGORY 3

- High mobility multipurpose wheeled vehicles (HMMWV), two-and-one-half-ton trucks, five-ton trucks, or wheeled vehicles that have a breaching or entry apparatus attached

EQUIPMENT CATEGORY 4

- Tracked armored vehicles that provide ballistic protection to their occupants

EQUIPMENT CATEGORY 5

- Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units

EQUIPMENT CATEGORY 6

- Weaponized aircraft, vessels, or vehicles of any kind

EQUIPMENT CATEGORY 7

- Battering rams, slugs, and breaching apparatuses that are explosive in nature

EQUIPMENT CATEGORY 8

- Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition

Definitions (continued)

EQUIPMENT CATEGORY 9

- Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code § 30510 and Penal Code §30515, with the exception of standard-issue handguns

EQUIPMENT CATEGORY 10

- Any firearm or firearm accessory that is designed to launch explosive projectiles

EQUIPMENT CATEGORY 11

- Noise-flash diversionary devices and explosive breaching tools

EQUIPMENT CATEGORY 12

- Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray

EQUIPMENT CATEGORY 13

- TASER® Shockwave, microwave weapons, water cannons, and long-range acoustic devices

EQUIPMENT CATEGORY 14

- Kinetic energy weapons and munitions

EQUIPMENT CATEGORY 15

- Any other equipment as determined by a governing body or a state agency to require additional oversight

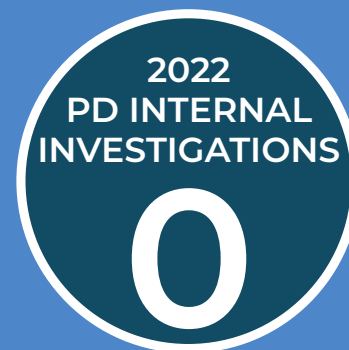
Community Concerns & Complaints

In April of 2022, the Livermore Police Department published its Military Equipment Policy on the Transparency & Information section of its website.

Community concerns and complaints can be received in-person at the police department, online via the department's website, contact with officers in the field, telephone, or email.

The department has solid internal procedures for investigating complaints in an impartial manner. We are committed to efficiently and fairly resolving complaints.

In 2022, there were no community complaints, and therefore, no internal investigations were conducted.



Internal Audit & Inventory

In accordance with Livermore Police Department policy 709.3 (c), the department's military equipment coordinator, designated as the Force Options Unit Lieutenant, is required to complete an internal inventory of all military equipment within the department at least once annually.

During the calendar year of 2022, two internal inventories of the department's military equipment were conducted. The first was completed on February 18, 2022, which identified all of the department's military equipment in preparation of the implementation of Assembly Bill 481.

Internal Audit & Inventory (continued)

The second internal inventory was initiated in December 2022. That inventory focused on current military equipment and proposed military equipment needs for the 2023-24, and 2024-25 fiscal years. All current military equipment was found to be in good shape and working order.

An audit of the use of military equipment was completed by the Force Options Unit Lieutenant. The audit confirmed that department personnel were in compliance with Policy 709 in the use of military equipment.

The full inventory of all military equipment owned by the Livermore Police Department is attached as an appendix to this report.



2022 Deployment Statistics

NOTE: These statistics include incidents where the Livermore Police Department assisted within other jurisdictions.

KINETIC ENERGY PROJECTILE DEPLOYMENT (3):

Date	Case #	Description
07/10/22	22-3463	Kinetic projectile deployed at suspect who was wanted for stabbing two people. The kinetic projectile was ineffective. Suspect was later taken into custody without incident.
08/19/22	22-4144	Kinetic projectile deployed during high risk stop on a suspect wanted for a restraining order violation. A firearm was possibly involved. Suspect was struck with the projectile, surrendered, and was taken into custody.
12/08/22	22-6185	Kinetic projectile deployed on a suspect wanted for kidnapping and domestic violence. The suspect was struck and taken into custody.

ARMORED RESPONSE VEHICLE DEPLOYMENT (11):

Date	Case #	Description
02/05/22	N/A	Domestic violence incident involving a shooting in Pleasanton. Surround and call out (SWAT PPD).
02/17/22	22-972	Warrant service of a suspect who had a warrant for his arrest for threats against a Livermore Police Officer. Pedestrian take down (SWAT LPD).
03/02/22	22-904	High risk car stop on an attempted homicide/domestic violence suspect in Oakland (SWAT LPD).
04/15/22	22-1999	Deployed during homicide investigation to execute search warrant.
05/09/22	22-2402	Deployed during a possible armed domestic violence situation. No crime.
05/19/22	N/A	Domestic violence incident with shots fired in Pleasanton. PPD wrote a report (SWAT PPD).
06/19/22	22-3120	Domestic violence incident with a suicidal subject. Subject arrested without incident and firearms seized.
7/16/22	22-3585	Assist with homicide investigation.
8/25/22	22-4156	Surround and callout of robbery suspects in Fremont. Suspects used firearms in the robbery (SWAT LPD).
09/14/22	N/A	Domestic violence incident with a firearm in Pleasanton. Surround and call out (SWAT PPD).
09/28/22	22-4911	Armed suicidal subject. Subject placed on psychiatric hold without incident.

2022 Deployment Statistics (continued)

DRONE/ROBOT DEPLOYMENT (8):

Date	Case #	Description
02/05/22	N/A	Drone used to clear residence of a domestic violence shooting suspect in Pleasanton. Surround and call out (SWAT PPD).
04/15/22	22-4144	Drone used during homicide investigation to execute search warrant.
05/16/22	22-2575	Drone used to search a residence for a domestic violence suspect. Suspect was taken into custody without incident.
05/19/22	N/A	Robot and drones used to locate a domestic violence suspect with shots fired in Pleasanton. PPD wrote a report (SWAT PPD).
08/25/22	22-4156	Drone used to clear a residence of a robbery suspect. Suspects used firearms in the robbery.
09/14/22	N/A	Drone used to surveil residence of a domestic violence suspect. The suspect was armed with a firearm in Pleasanton. Surround and call out (SWAT PPD).
10/19/22	22-5316	Drone used to search open field for felony battery suspect.
11/19/22	22-5903	Drone used to search open field for missing person at risk.

2022 Equipment Purchases

FISCAL YEAR 2021-2022			
EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
40mm Less Lethal Launcher	1	\$3,820.00	\$3,820.00
AR-15 Rifles	5	\$1,312.00	\$6,560.00
AR-15 Rifles (SWAT)	15	\$1,045.00	\$15,670.00
FN303 Less Lethal System	1	\$4,370.00	\$4,370.00

FISCAL YEAR 2022-2023			
EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
AR-15 Rifles	5	\$1,312.00	\$6,560.00

Proposed Equipment Purchases

AB481 Military Equipment purchases are planned in the same way as all Livermore Police Department budgeted expenditures.

The proposed purchases are shown in the fiscal year in which they will be purchased, pending approval by the City Council and the Mayor.

All AB481 purchases have been and will be made with monies from the General Fund, with the exception of the planned purchase of an Unmanned Aerial System. The UAS program proposed purchases will be made with local asset seizure funds.

FISCAL YEAR 2023-2024			
EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
LMT Standalone Shorty 40mm Launcher	1	\$3,800.00	\$3,800.00
Noise Flash Distraction Device	20	\$175.00	\$3,500.00
40mm Launcher	1	\$2,700.00	\$2,700.00
AR-15 Rifles	5	\$1,188.00	\$5,940.00
Axon Air, DJI Mavic 3 Enterprise	4	\$3,958.00	\$15,832.00
Axon Air, DJI AVATA	4	\$1,587.00	\$6,348.00
Axon Air, DJI Matrice 300 RTK (NA) SP Plus	1	\$13,199.00	\$13,199.00

FISCAL YEAR 2024-2025			
EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
Gas Multi Launcher 40mm	1	\$4,200.00	\$4,200.00
LMT Standalone Shorty 40mm Launcher	1	\$3,800.00	\$3,800.00
Noise Flash Distraction Device	20	\$175.00	\$3,500.00
40mm Launcher	1	\$2,700.00	\$2,700.00
AR-15 Rifles	15	\$1,188.00	\$17,820.00
FN303 Launcher	1	\$2,750.00	\$2,750.00



CONCLUSIONS

The Livermore Police Department has demonstrated commitment to transparency. Transparency and trust in our community with regards to how we protect and serve you is top of mind for us – we understand that the more we are able to open our doors to you on all levels, the more we can connect, communicate, and work together.

This report provides information to our community and elected officials as well as ensures compliance with California state law.

APPENDIX





2022

LPD Military Equipment (CA GC 7070)

Type	Armored vehicle: LPD White Armor
Description	Armored vehicle that seats 8-10 personnel with open floor plan that allows for rescue of downed personnel or other victims. It can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of shield and personal body armor.
Quantity	1
Capabilities	Armor rated to .50 cal.
Expected lifespan	10+ years (acquired in 2014)
Manufacturer's description	GMC C4500 (custom built) Duramax diesel engine-powered personnel carrier with ballistic glass and armor rated to .50 cal.
Purpose and authorized uses	To provide for the safe transport, security, and rescue of agency personnel and citizens in high-risk incidents.
Fiscal impact	Vehicle provided by LLNL. Initial outfitting cost \$42,012. Annual maintenance cost \$6,700.
Legal and procedural rules	It is the policy of the Department to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.
Required training	Agency authored course and annual refresher.
Compliance mechanisms	The use of armored vehicles shall only be authorized by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident. Armored vehicles shall be used only by officers trained in their deployment and in a manner consistent with Department policy and training -Policy 706.

Type	Patrol Rifle, Colt
Description	COLT 6933EPR is a semi-automatic, light weight, air-cooled, gas-operated, magazine-fed, shoulder fired weapon system. Chambered in .223 Rem/5.56NATO. Generally equipped with a light, electronic sight, and sling.
Quantity	105
Capabilities	Semi-automatic fire from close range to anything beyond practical handgun engagement distances.
Expected lifespan	10 years
Manufacturer's description	Built for the demanding use of those who protect our communities everyday, the Colt Enhanced Patrol Rifle (EPR) is the next evolution in the world's most dependable, thoroughly field-tested patrol rifle. Featuring an extended handguard that accepts modular rail segments for mounting a wide variety of pro-grade optics, lighting, and ergonomics-enhancing accessories, as well as the highlydurable Magpul® MBUS® Pro Series front and rear back up sights and B5 Bravo buttstock. The Colt EPR reestablishes the Colt AR-15® as the finest tool for local, regional, and national law enforcement agencies.
Purpose and authorized uses	To project lethal force when reasonably necessary at a greater distance and with more accuracy than department issued handguns.
Fiscal impact	Approximately 10 rifles per year at \$2000 per unit, fully equipped, and on-going maintenance cost of approx. \$50 per rifle/year.

Legal and procedural rules	Use established under policy 300 and 311 for official law enforcement purposes and pursuant to State and Federal law regarding use of force.
Required training	POST certification and annual department qualification for authorized users
Compliance mechanisms	Policy 300, 311
Type	Semi Automatic Rifle, NEMO
Description	Semi-automatic, light weight, air-cooled, gas-operated, magazine-fed, shoulder fired weapon system. Chambered in .308 NATO. Generally equipped with a light, electronic or magnified optic, and sling.
Quantity	3
Capabilities	Semi-Automatic fire from close range to anything beyond practical handgun engagement distances.
Expected lifespan	10 years
Manufacturer's description	The XO 16-inch is compact and extremely maneuverable. The 16" Bartlein-blank barrel produces groups well into the sub-moa range with quality optics and ammunition. Accuracy is further enhanced with the addition of a Geissle Super Dynamic Enhanced (SD-E) two stage trigger and NEMO's recoil reducing bolt carrier—an industry first.
Purpose and authorized uses	To project lethal force when reasonably necessary at a greater distance and with more accuracy than department issued handguns.
Fiscal impact	\$5500 per unit, fully equipped plus annual maintenance cost of \$100/year per rifle
Legal and procedural rules	Use established under policy 300 and 311 for official law enforcement purposes and pursuant to State and Federal law regarding use of force.
Required training	Post Certification and annual qualification for authorized users.
Compliance mechanisms	Policy 300
Type	12 Gauge Less Lethal Launcher (Shotgun)
Description	Remington 870 12 gauge less lethal launcher, generally brightly colored to distinguish from lethal weapons platforms. This platform launches 12 gauge drag-stabilized bean bag rounds and may be equipped with a side-saddle, light, sights, and orange-colored sling
Quantity	26
Capabilities	Operational range between 20 and 75 feet
Expected lifespan	10 years
Manufacturer's description	(From Remarms website): Remington 870 shotgun has a dependable action that makes it America's favorite, and our continual upgrades make it the most advanced, well-rounded family of pump shotguns around. Along with continually evolving designs, this shotgun's superiority is a matter of rugged dependability, great pointing characteristics and versatility. In fact, the Model 870™ has been the standard for slide-action performance for more than 60 years.
Purpose and authorized uses	Assist in deescalating conflict to compel an individual to cease their actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	Unit cost of \$1000 each, fully equipped, per 10 years.
Legal and procedural rules	Policy 300, 311, 307
Required training	Lecture, demonstration, practical application
Compliance mechanisms	Subject to applicable policies (300, 307)
Type	40mm Launcher

Description	Single shot, 40mm launcher (may be from different vendors), with 14" barrel. Generally equipped with an electroinc sight, light and brightly colored (orange) sling.
Quantity	8
Capabilities	Capable of deploying exact impact 40mm sponge rounds including those with a chemical (OC or CS) payload or marking. Operational range between 5 and 120 feet.
Expected lifespan	10 years
Manufacturer's description	The 40mm Launcher can fire all Defense Technology® 37/40mm and 40mm rounds. It incorporates an aluminum rifled barrel that comes equipped with a top & bottom 12" Picatinny rail and front & rear pop-up adjustable sights. It will support the use of additional optics, sights and accessories with the 12" Picatinny rails and the folding stock allows for convenient carrying and storing of the launcher. A one-point sling w/ quick release is included. Additional rails may be purchased and mounted on the sides of the barrel.
Purpose and authorized uses	Assist in deescalating conflict to compel an individual to cease their actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$2200 per unit, fully equipped.
Legal and procedural rules	Policy 300, 307
Required training	Lecture, demonstration, practical application
Compliance mechanisms	Policy 300 and 307
Type	40mm Multi-Launcher
Description	A 40mm single-shot launcher intended to deploy various less lethal munitions. Generally equipped with a brightly colored sling, electronic sight and light.
Quantity	1 (1 sought)
Capabilities	Capable of deploying chemical payload in the form of OC (oleoresin capsicum) or CS (2-chlorobenzalmalononitrile) or foam projectiles from 5-120 feet.
Expected lifespan	15 years
Manufacturer's description	A tactical single shot launcher that features an expandable ROGERS Super Stoc 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. The 40LMTS will fire standard 40mm less lethal ammunition, up to 4.8 inches in cartridge length. The Picatinny Rail Mounting System will accept a wide array of enhanced optics/sighting systems.
Purpose and authorized uses	Assist in deescalating conflict to compel an individual to cease their actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$2500 replacement cost plus ongoing maintenance
Legal and procedural rules	Policy 300, 307
Required training	Lecture, demonstration, practical application
Compliance mechanisms	Policy 300 and 307
Type	FN303 launcher
Description	A .68 caliber, Semi-Automatic, lightweight, compressed-air operated, magazine fed, shoulder fired less lethal launcher. Generally equipped with an electronic sight, light, and brightly colored sling.
Quantity	7

Capabilities	Capable of deploying .68 caliber polystyrene and bismuth projectiles including those with a chemical (OC powder) payload or marking. Operational range between 3 and 164 feet.
Expected lifespan	10 years
Manufacturer's description	The FN303 Less Lethal Launcher is constructed from durable lightweight polymer with comfortable ergonomics and an easy to operate safety. The FN303 Launcher is equipped with both flip-up iron sights and an integrated MIL-STD-1913 top mounting rail for optical or electronic sights or other accessories. The lightweight polymer magazine holds 15 projectiles and offers a clear rear cover to allow the operator to instantly verify both the payload type and the number of projectiles remaining.
Purpose and authorized uses	Assist in deescalating conflict to compel an individual to cease their actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$2700 per unit, fully equipped, plus ongoing maintenance, compressed air costs.
Legal and procedural rules	Policy 300, 307
Required training	Lecture, demonstration, practical application
Compliance mechanisms	Policy 300, 307
Type	Ammunition: .223 Remington 62gr GDSP
Description	.223 Speer Gold Dot 62gr GDSP 226 cases (at 500 rounds each)
Capabilities	Semi-automatic fire from close range to anything beyond practical handgun engagement distances.
Expected lifespan	10 years
Manufacturer's description	Speer® Gold Dot® ammunition's reliability has made it the No. 1 choice for law enforcement, and we offer the same performance for self-defense rifle applications. 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.
Purpose and authorized uses	Agency authorized ammunition for patrol rifle
Fiscal impact	Replace annual consumption at \$290.00
Legal and procedural rules	311.3.6
Required training	Continued Professional Training, Post Certification for patrol rifle operators, annual qualification.
Compliance mechanisms	Policy 311
Type	Ammunition: .223 Remington 55gr FMJ
Description	.223 American Eagle (Federal) 55gr Gr. FMJ
Quantity	263 cases (at 500 rounds each)
Capabilities	Training ammunition for live-fire practice from close range to anything beyond practical handgun engagement distances
Expected lifespan	10 years
Manufacturer's description	Offering outstanding performance at an economical price, Federal American Eagle .223 Remington 55 gr FMJ rifle ammo is boxer primed, brass cased and available in both 20-round box and bulk-packed quantities
Purpose and authorized uses	Agency authorized training ammunition for patrol rifle
Fiscal impact	\$190/case to replace annual consumption
Legal and procedural rules	Policy 311
Required training	Continued Professional Training, Post Certification for patrol rifle operators, annual qualification.

Compliance mechanisms	Policy 311
Type	Ammunition: .223 Remington Frangible
Description	.223 Remington 42 gr RHT ballistclean cartridge
Quantity	138 cases (at 500 rounds each)
Capabilities	Training ammunition for use on steel targets
Expected lifespan	10 years
Manufacturer's description	
	This frangible ammunition makes an excellent training load for AR-15s and other .223/5.56 NATO rifles due to its non-toxic, non-ricocheting nature. Each .223 Remington cartridge fires a 42 grain compressed metal bullet that disintegrates into powder on contact with a target, leaving behind only non-toxic residue. Ideal for shooting steel targets
Purpose and authorized uses	Training ammunition for use on steel targets
Fiscal impact	\$350/case to replace annual consumption
Legal and procedural rules	Policy 311
Required training	Continued Professional Training, Post Certification for patrol rifle operators, qualification.
Compliance mechanisms	Policy 311
Type	Ammunition: .308 Winchester Black Hills 168gr. Amax
Description	.308 Winchester Black Hills 168gr Amax
Quantity	0 rounds
Capabilities	Ammunition for agency authorized Semi-automatic fire from close range to anything beyond practical handgun engagement distances.
Expected lifespan	10 years
Manufacturer's description	Versatile loads optimized for excellent performance.
Purpose and authorized uses	Agency authorized ammunition for NEMO rifle
Fiscal impact	No longer being purchased exhaust existing inventory.
Legal and procedural rules	Policy 311 and 408
Required training	Continued Professional Training, Post Certification for patrol rifle operators, annual qualification.
Compliance mechanisms	Policy 311 and 408
Type	Ammunition: .308 Winchester Black Hills 180gr Accubond
Description	Agency authorized ammunition for NEMO rifle
Quantity	3000 rounds
Capabilities	Ammunition for agency authorized Semi-automatic fire from close range to anything beyond practical handgun engagement distances.
Expected lifespan	10 years
Manufacturer's description	This ammunition is new production and non-corrosive in boxer-primed, reloadable brass cases
Purpose and authorized uses	Agency authorized ammunition for NEMO rifle
Fiscal impact	\$168/100 to replace annual consumption
Legal and procedural rules	Policy 311 and 408
Required training	Continued Professional Training, Post Certification for patrol rifle operators, qualification.
Compliance mechanisms	Agency authorized ammunition for NEMO rifle
Type	Ammunition: .308 Winchester Black Hills 168gr. ELD-M
Description	Agency authorized ammunition for NEMO rifle
Quantity	5400 rounds
Capabilities	Ammunition for agency authorized Semi-automatic fire from close range to anything beyond practical handgun engagement distances.
Expected lifespan	10 years
Manufacturer's description	This ammunition is new production and non-corrosive in boxer-primed, reloadable brass cases

Purpose and authorized uses	Agency authorized ammunition for NEMO rifle
Fiscal impact	\$158.50/100 to replace annual consumption
Legal and procedural rules	Policy 311 and 408
Required training	Continued Professional Training, Post Certification for patrol rifle operators, qualification.
Compliance mechanisms	Policy 311 and 408
Type	Projectile: 40mm Exact Impact
Description	40mm, foam-tipped kinetic energy projectile fired from an agency-authorized 40mm launcher.
Quantity	242
Capabilities	Operational range 5-120 ft.
Expected lifespan	5 yrs.
Manufacturer's description	a lightweight, high-speed projectile consisting of a plastic body and a foam (sponge) nose that is spin stabilized via the incorporated rifling collar and the 40 mm launcher's rifled barrel.
Purpose and authorized uses	To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	Approximately 40 per year at \$25 per round
Legal and procedural rules	Refer to policies 300, 307
Required training	Department training including qualification
Compliance mechanisms	Use is subject to the applicable policies (300, 307)
Type	Projectile: 40mm Direct Impact OC
Description	40mm, foam-tipped kinetic energy projectile fired from an agency-authorized 40mm launcher and carrying an OC payload
Quantity	171 rounds
Capabilities	Operational range from 5-120 feet
Expected lifespan	5 years
Manufacturer's description	The 40 mm Direct Impact® Round consists of a plastic body and a crushable foam nose that contains a powder payload. This payload area can hold inert, marking, OC or CS powder. The crushable foam nose dissipates energy upon impact while releasing the powder payload.
Purpose and authorized uses	To compel an individual to cease his/her actions when such munitions present a reasonable option, and to deliver a chemical (OC) payload where appropriate. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$35 per round
Legal and procedural rules	Refer to policies 300, 307
Required training	Department training including qualification
Compliance mechanisms	Use is subject to the applicable policies (300, 307)
Type	Projectile: 40mm Direct Impact Marking
Description	40mm, foam-tipped kinetic energy projectile fired from an agency-authorized 40mm launcher and carrying a marking paint payload
Quantity	87 rounds
Capabilities	Operational range from 5-120 feet
Expected lifespan	5 years
Manufacturer's description	The 40 mm Direct Impact® Round consists of a plastic body and a crushable foam nose that contains a powder payload. This payload area can hold inert, marking, OC or CS powder. The crushable foam nose dissipates energy upon impact while releasing the powder payload.

Purpose and authorized uses	To compel an individual to cease his/her actions when such munitions present a reasonable option, and to deliver a marking paint payload where appropriate. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$35 per round
Legal and procedural rules	Refer to policies 300, 307
Required training	Department training including qualification;
Compliance mechanisms	Use is subject to the applicable policies (300, 307)
Type	Projectile: 40mm Ferret Round
Description	40mm Barrier penetrator
Quantity	50
Capabilities	Barrier penetration to deliver OC or CS payload into a structure from 50-200 yards. Velocity 450fps.
Expected lifespan	5 years
Manufacturer's description	The Ferret® 40mm Round is a frangible projectile filled with chemical agent. It is designed to deliver chemical agents in barricade situations from a 40mm launcher. Spin stabilization from fins and barrel rifling affords maximum stand-off distance and accuracy for safety.
Purpose and authorized uses	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 and hollow core doors. Upon impacting the barrier, the nose cone ruptures and instantaneously delivers a small chemical payload inside of a structure or vehicle.
Fiscal impact	\$23 per round. Approximately \$2500 per year for training and operational readiness.
Legal and procedural rules	Policy 300, 307, and 408
Required training	Department training including qualification;
Compliance mechanisms	Policy 300, 307, and 408
Type	Projectile: 12ga drag-stabilized bean bag round
Description	12 Gauge drag stabilized bean bag round
Quantity	315 rounds
Capabilities	Operational range from 20-75 feet
Expected lifespan	5 years
Manufacturer's description	The 12-Gauge Drag Stabilized™ Round is comprised of a translucent 12-Gauge shell loaded with a 40 gram, tear shaped bag made from a cotton and ballistic material blend and filled with #9 shot. This design utilizes four (4) stabilizing tails. The 12-Gauge Drag Stabilized™ Round utilizes smokeless powder as the propellant.
Purpose and authorized uses	To compel an individual to cease his/her actions when such munitions present a reasonable option. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$6.27 per round
Legal and procedural rules	Refer to policies 300, 307
Required training	Department training including qualification
Compliance mechanisms	Use is subject to the applicable policies (300, 307)
Type	Projectile: .68 caliber PAVA/OC Powder
Description	8.5gram fin-stabilized polystyrene body and non-toxic bismuth forward payload.
Quantity	14 cases of 160 rounds
Capabilities	Operational range from 3 to 164 feet
Expected lifespan	3 years

Manufacturer's description	This projectile is intended as an irritant for individual suspects, point-specific targets or small area denial. The active ingredient is 0.5% PAVA/OC in a powder form for ease of storage, deployment and clean-up.
Purpose and authorized uses	To compel an individual to cease his/her actions when such munitions present a reasonable option, and to deliver a chemical (OC) payload where appropriate. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$500 per case
Legal and procedural rules	Policy 300, 307
Required training	Department training including qualification;
Compliance mechanisms	Policy 300, 307
Type	Projectile: .68 caliber Indelible Paint
Description	8.5gram fin-stabilized polystyrene body and non-toxic bismuth forward payload and a secondary payload of indelible paint.
Quantity	11 cases of 150 rounds
Capabilities	Operational range from 3 to 164 feet
Expected lifespan	3 years
Manufacturer's description	This projectile is intended for marking suspects and objects with an indelible colorant for later identification, arrest or questioning
Purpose and authorized uses	To compel an individual to cease his/her actions when such munitions present a reasonable option, and to deliver a marking paint payload where appropriate. A verbal warning of the intended use of the device should precede its application.
Fiscal impact	\$500 per case
Legal and procedural rules	Policy 300, 307
Required training	Department training including qualification;
Compliance mechanisms	Policy 300, 307
Type	Projectile: .68 caliber Inert Powder
Description	8.5gram fin-stabilized polystyrene body and non-toxic bismuth forward payload along with a secondary payload of simulated irritant powder.
Quantity	9 cases of 150 rounds
Capabilities	Operational range from 3 to 164 feet
Expected lifespan	3 years
Manufacturer's description	This projectile is intended for training and contains a simulated irritant powder
Purpose and authorized uses	Training projectile for accuracy and scenario training of authorized personnel
Fiscal impact	\$500 per case
Legal and procedural rules	Policy 300, 307
Required training	Department training including qualification;
Compliance mechanisms	Policy 300, 307
Type	Kinetic Breaching Tool (KBT)
Description	A 36" mechanical breaching device designed to be used in any space. This tool employs the best of physics in the form of a self-contained, jack-hammer style impact ram driven by a powder-actuated cartridge. This allows a large amount of energy to be precisely directed into locking mechanisms, hinges, or braces while minimizing the chances of collateral projectiles. This device can be used by officers of all sizes. There is no swinging motion required and can significantly reduce injuries of properly trained officers.
Quantity	3 devices
Capabilities	8 shots capable of breaching steel security doors.

Expected lifespan	<p>10+ years</p> <p>A mechanical breaching tool that bridges the gap between traditional mechanical breaching, shotgun breaching, and explosive entry. The KBT utilizes a proprietary .45 Caliber handgun blank to deliver up to 850 ft/lb of force through a hardened steel ram. Unlike explosive or shotgun breaching, however, all of the force is mechanically driven through a ram. This means that no projectile or explosive energy leaves the device except for the force of the ram which is permanently captured in the device. The ramming surface is narrow enough to focus on a single hinge, yet powerful enough to breach steel security doors.</p>
Manufacturer's description	
Purpose and authorized uses	<p>To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law.</p>
Fiscal impact	<p>\$10,628 initial cost; \$800 annually for training and operational ammunition.</p>
Legal and procedural rules	<p>It is the policy of LPD to utilize the KBT only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 321.</p>
Required training	<p>Agency-authored orientation course; annual refresher.</p>
Compliance mechanisms	<p>To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.</p>
Type	GasRam™
Description	<p>The GasRam™ is a 35-pound metal device with similar characteristics to a breaching ram (weighted device with handles used to swing the GasRam™ in a pendulum motion). The obvious difference present is a canister and probe designed to deploy gas into specific areas of a structure with minimal risk of starting a fire.</p>
Quantity	2 (1 maintained by LPD and 1 maintained by PPD)
Capabilities	<p>Deliver 1 canister of irritant into a specific area of a structure.</p>
Expected lifespan	10 years
Manufacturer's description	<p>The GasRam™ is a multi use tool that can be utilized for forced entry as a door ram or be deployed as a pyrotechnic non-Lethal chemical agent delivery system. One or two man delivery teams can use the GasRam™. Pyrotechnic non-lethal chemical agent can be dispensed through walls, doors, sheet metal siding and into vehicles.</p>
Purpose and authorized uses	<p>Used to deploy non-lethal chemical agents into a structure in order to successfully resolve a barricade situation. This is a de-escalation tactic used prior to potentially forcing conflict inside the structure and placing officers at risk.</p>
Fiscal impact	<p>\$3,100 initial cost; no expected annual maintenance costs.</p>
Legal and procedural rules	<p>It is the policy of LPD to utilize the Burn Safe only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 300, 307, 321, and 408.</p>
Required training	<p>Agency-authored orientation course; annual refresher.</p>
Compliance mechanisms	<p>To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.</p>

Type	BurnSafe™
Description	The BurnSafe™ is designed to deploy gas into a structure with minimal risk of starting a fire. The BurnSafe™ is a double walled container constructed of aluminum, which will contain the flames inside the inner chamber thereby reducing the probability of starting a fire.
Quantity	2 (1 maintained by LPD and 1 maintained by PPD)
Capabilities	Deliver 1 canister of irritant into a specific area of a structure.
Expected lifespan	10 years
Manufacturer's description	The BurnSafe™ is a double walled container constructed of aluminum. It is designed to contain the flames inside the inner chamber thereby reducing the probability of starting a fire. The BurnSafe™ allows the introduction of significant amounts of pyrotechnic non-lethal chemical agent into the target, which increases the probability of a successful resolution. The use of pyrotechnic agents has been proven to be a more effective non-lethal method of penetrating a fortified structure. The use of the BurnSafe™ will increase your team's effectiveness and provide you with an alternative delivery system.
Purpose and authorized uses	Used to deploy non-lethal chemical agents into a structure in order to successfully resolve a barricade situation. This is a de-escalation tactic used prior to potentially forcing conflict inside the structure and placing officers at risk.
Fiscal impact	\$2,700 initial cost; no expected annual maintenance costs. It is the policy of LPD to utilize the BurnSafe™ only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 300, 307, 321, and 408.
Legal and procedural rules	Agency-authored orientation course; annual refresher.
Required training	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Compliance mechanisms	
Type	Community Outreach Vehicle (COV)
Description	A mobile office that provides shelter, access to Police Department computer systems, and restroom facilities on extended events.
Quantity	1
Capabilities	The COV can also be utilized for SWAT/CNT and other critical incidents, preplanned large events, searching for missing persons, natural disasters, and community events.
Expected lifespan	The COV, 20-year lifespan on chassis and vehicle structure. Upgrades were made in 2018 to maintain IT systems.
Manufacturer's description	Freightliner Chassis (custom built) vehicle.
Purpose and authorized uses	To be used based on the specific circumstances of a given critical incident, large event, natural disaster or community event that is taking place. The COV shall be used by officers trained in their deployment and in a manner consistent with Department policy and training. Furthermore, only officers who have completed the California Class B Commercial driving school and properly licensed will be allowed to drive the COV.
Fiscal impact	\$996,000 initial cost. Annual maintenance is approximately \$4,466.

Legal and procedural rules	It is the policy of the Department to use the COV only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.
Required training	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.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident or other law enforcement purpose (policy 706).

Type	Breaching Round: Royal Arms TESAR 1
Description	Orange Cap 2-3/4" 275 Grain Compressed Copper Frangible 12 Ga Shotgun Slug
Quantity	132
Capabilities	Defeats Solid Wood Doors, Locks & Hinges
Expected lifespan	5 years
Manufacturer's description	Orange Cap 2-3/4" 275 Grain Compressed Copper Frangible 12 Ga Shotgun Slug
Purpose and authorized uses	

	To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law. The round is fired from a breaching shotgun and is used to destroy wood doors; both solid & hollow.
Fiscal impact	\$4.50 per round
Legal and procedural rules	It is the policy of LPD to utilize breaching rounds only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 321 and 408.
Required training	Agency-authored orientation course; annual refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type	Breaching Round: Royal Arms TESAR 2
Description	Black Cap 2-3/4" 425 Grain Compressed Copper Frangible 12 Ga Shotgun Slug
Quantity	36
Capabilities	Defeats Heavy Locks, Dead-bolts and Hinges (Solid Oak - Steel Doors)
Expected lifespan	5 years
Manufacturer's description	Black Cap 2-3/4" 425 Grain Compressed Copper Frangible 12 Ga Shotgun Slug
Purpose and authorized uses	

	To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law. The round is fired from a breaching shotgun and is used to destroy deadbolts, locks and hinges.
Fiscal impact	\$4.50 per round
Legal and procedural rules	It is the policy of LPD to utilize breaching rounds only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 321 and 408.
Required training	Agency-authored orientation course; annual refresher.

Compliance mechanisms

To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type**Breaching Round: Royal Arms TESC R 3**

Description

Green Cap 2-3/4" 375 Grain Clayvon® Frangible 12 Ga Shotgun Slug

Quantity

36

Capabilities

Defeats all locks, cross-bolts and hinges. (Hollow Core Doors - Light Steel doors)

Expected lifespan

5 years

Manufacturer's description

Green Cap 2-3/4" 375 Grain Clayvon® Frangible 12 Ga Shotgun Slug

Purpose and authorized uses

To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law. The round is fired from a breaching shotgun and is used to destroy deadbolts, locks and hinges.

Fiscal impact

\$4.50 per round

Legal and procedural rules

It is the policy of LPD to utilize breaching rounds only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 321 and 408.

Required training

Agency-authored orientation course; annual refresher.

Compliance mechanisms

To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type**Breaching Round: Royal Arms TESAR 4**

Description

Yellow Cap 2-3/4" 750 Grain Copper/S-70 Steel Frangible 12 Ga Shotgun Slug

Quantity

48

Capabilities

Defeats class 3 doors, locks & hinges

Expected lifespan

5 years

Manufacturer's description

Yellow Cap 2-3/4" 750 Grain Copper/S-70 Steel Frangible 12 Ga Shotgun Slug

Purpose and authorized uses

To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law. The round is fired from a breaching shotgun and is used to destroy deadbolts, locks, and hinges.

Fiscal impact

\$5.00 per round

Legal and procedural rules

It is the policy of LPD to utilize breaching rounds only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 321 and 408.

Required training

Agency-authored orientation course; annual refresher.

Compliance mechanisms

To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type**Breaching Round: Royal Arms HP CUTTER**

Description

Silver Cap 2-3/4" 450 Grain Hardened Steel Slug NON-Frangible 12 Ga Shotgun Slug

Quantity

36

Capabilities

Cuts re-bar, penetrates security glass, car doors, punches into engine blocks

Expected lifespan

5 years

Manufacturer's description

Silver Cap 2-3/4" 450 Grain Hardened Steel Slug NON-Frangible 12 Ga Shotgun Slug

Purpose and authorized uses	To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law. The round is fired from a breaching shotgun and is used to cut rebar, penetrate security glass, car doors, and can penetrate engine blocks.
Fiscal impact	\$5.00 per round
Legal and procedural rules	It is the policy of LPD to utilize breaching rounds only for official law enforcement purposes pursuant to State and Federal law. Refer to policies 321 and 408.
Required training	Agency-authored orientation course; annual refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Type	Riot CS or OC Smoke
Description	An approximately 2.6"x 6.2" irritant and smoke pyrotechnic device.
Quantity	45
Capabilities	This launchable device delivers approximately 65.3 grams of active agent in approximately 20-40 seconds.
Expected lifespan	5 years
Manufacturer's description	Large diameter burning grenade that discharges a high volume of smoke and chemical agent through multiple emission ports. Specifically for outdoor use and should not be deployed on rooftops, in crawl spaces or indoors due to potential fire hazard. Can be hand thrown or launched. Discharge duration can reach up to 40 seconds.
Purpose and authorized uses	This device can be used to conceal tactical movement or to route a crowd.
Fiscal impact	\$35 per canister.
Legal and procedural rules	It is the policy of the Department to utilize chemical agent devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300 and 307.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Type	Spede-Heat™ CS or OC Smoke
Description	An approximately 2.62"x 6.12" irritant and smoke pyrotechnic device.
Quantity	48 (additional devices maintained by PPD)
Capabilities	This launchable device delivers approximately 81.2 grams of active agent in approximately 20-40 seconds.
Expected lifespan	5 years
Manufacturer's description	The Spede-Heat™ CS Grenade is a high volume, continuous burn it expels its payload in approximately 20-40 seconds. The payload is discharged through four gas ports on top of the can-ister, three on the side and one on the bottom. This launchable grenade is 6.12 in. by 2.62 in. and holds approximately 2.9 oz. of active agent.

Purpose and authorized uses	The device is designed primarily for tactical situations to detect and/or dislodge a barricaded subject. It is used as a de-escalation tool to encourage surrender and minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects.
Fiscal impact	\$35 per canister. Approximately \$1200 per year for training and operational
Legal and procedural rules	It is the policy of the Department to utilize chemical agent devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300, 307, and 408.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Type	Flameless Expulsion CS or OC Smoke
Description	An approximately 1.65"x 7.5" irritant and smoke pyrotechnic device.
Quantity	22 (additional devices maintained by PPD)
Capabilities	Delivers approximately 4.5 grams of active agent during its 3 second discharge time.
Expected lifespan	5 years
Manufacturer's 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.
Purpose and authorized uses	The device is designed primarily for tactical situations to detect and/or dislodge a barricaded subject. It is used as a de-escalation tool to encourage surrender and minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects.
Fiscal impact	\$48 per canister. Approximately \$1000 for training and operational reading
Legal and procedural rules	It is the policy of the Department to utilize chemical agent devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300, 307, and 408.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Type	Baffled CS or OC Smoke
Description	An approximately 2.6"x 6.2" irritant and smoke pyrotechnic device.
Quantity	0 (50 sought)
Capabilities	Delivers approximately 23.5 grams of active agent during its 3 second discharge time.
Expected lifespan	5 years

Manufacturer's description	Pyrotechnic grenade designed for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire.
Purpose and authorized uses	The device is designed primarily for tactical situations to detect and/or dislodge a barricaded subject. It is used as a de-escalation tool to encourage surrender and minimize the risks to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects.
Fiscal impact	\$48 per canister. Initial inventory cost \$2400. Approximately \$1000 for training and operational readiness.
Legal and procedural rules	It is the policy of the Department to utilize chemical agent devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300, 307, and 408.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Type	SAF Smoke™
Description	An approximately 2.35"x 6" smoke pyrotechnic device.
Quantity	0 (50 sought)
Capabilities	Produces white smoke for 20-40 seconds.
Expected lifespan	5 years
Manufacturer's description	The Saf-Smoke™ Grenade was designed for training, but may also be used in operations. The Saf-Smoke Grenade offers the same approximate burn times as the Spede-Heat™ Grenade in CN or CS and the Riot Control Grenade in CN or CS. The similar burn times may make it the appropriate choice for training or simulation deployment of chemical agent canisters. The Saf-Smoke formulation is considered to be less toxic than Hexachloroethane (HC) smoke. The Saf-Smoke Grenade emits a very white smoke.
Purpose and authorized uses	The device is designed primarily for tactical situations to conceal officer movements.
Fiscal impact	\$30 per canister
Legal and procedural rules	It is the policy of the Department to use smoke only for official law enforcement purposes.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.
Type	Distraction Device: CTS Model 7290
Description	A non-bursting, non-fragmenting distraction 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.
Quantity	0 (additional devices maintained by PPD)
Capabilities	Produces 175db output and 6-8 million candela of light.
Expected lifespan	Until used.

Manufacturer's description	The CTS 7290 is the standard for diversionary flash-bang devices. The 7290 produces an 175db and 6-8 million candela of light output. The patented design of the 7290, 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.
Purpose and authorized uses	To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.
Fiscal impact	\$44 per device. Approximately \$900 annually for training and operational readiness.
Legal and procedural rules	It is the policy of the Department to utilize distraction devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type	Distraction Device: CTS Model 7290M
Description	A non-bursting, non-fragmenting distraction 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.
Quantity	80 (Purchasing an additional 20 to maintain 100 in inventory)
Capabilities	Produces 175db output and 6-8 million candela of light.
Expected lifespan	Until used.
Manufacturer's 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 of the same attributes of its larger counterpart but in a smaller and lighter package. 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.
Purpose and authorized uses	To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.
Fiscal impact	\$43 per device. Approximately \$900 annually for training and operational readiness.
Legal and procedural rules	It is the policy of the Department to utilize distraction devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type	Distraction Device: CTS Model 7290-9
-------------	---

Description	A non-bursting, non-fragmenting multi-bang distraction 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.
Quantity	20 (Purchasing an additional 30 to maintain 50 in inventory)
Capabilities	Produces 9 individual but consecutive bangs contained within one device.
Expected lifespan	Until used.
Manufacturer's 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.
Purpose and authorized uses	To produce atmospheric over-pressure and brilliant white light and, as a result, can cause short-term (6 - 8 seconds) physiological/psychological sensory deprivation to give officers a tactical advantage.
Fiscal impact	\$153 per device. Approximately \$1200 annually for training and operational readiness.
Legal and procedural rules	It is the policy of the Department to utilize distraction devices only for official law enforcement purposes, and pursuant to State and Federal law. Refer to policy 300.
Required training	POST Basic SWAT Operator course or equivalent; annual department refresher.
Compliance mechanisms	To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Type	Recon Robotics Throwbot®
Description	Compact throwable robotic device that provides real time video and audio to the operator.
Quantity	1
Capabilities	The unit can be directed to move through a structure and transmit realtime video and audio.
Expected lifespan	10+ years
Manufacturer's description	The Throwbot® robot is a throwable micro-robot platform that enables operators to obtain instantaneous video and audio reconnaissance within indoor or outdoor environments. Designed to withstand repeated drops of up to 30 feet (9 m) onto concrete, the Throwbot® robot can be thrown into hazardous situations in order to allow operators to quickly make informed decisions when seconds count. This micro-robot is designed to be able to crawl over a variety of terrain, clearing obstacles up to 2" (5 cm) tall.
Purpose and authorized uses	This robot can locate and identify subjects, confirm presence of hostages and reveal the room layout. The unit can function as a pole camera facilitating the inspection of attics, rooftops and crawl spaces. This information crucial for planning and determining the best course of action.
Fiscal impact	\$16,538 for the initial purchase. No ongoing costs expected.
Legal and procedural rules	It is the policy of LPD to utilize this device only for official law enforcement purposes pursuant to State and Federal law.
Required training	Agency authored course and annual refresher.

Compliance mechanisms

To be used by officers who have been trained in the proper use as directed by a watch commander, SWAT commander, or appropriate supervisor, based on the specific circumstances of a given critical incident.

Allied Agency Equipment -Type**Use Category (note: no fiscal impact or other impacts expected)**

Armored Vehicle(s)

Use consistent with LPD policies related to similar equipment

Chemical Agents (CS, CN, OC)

Use consistent with LPD policies related to similar equipment

Flash Bangs

Use consistent with LPD policies related to similar equipment

UAV's (drones)

Used for locating and/or surveilling suspects, missing persons, etc. Also used for checking locations prior to deploying personnel.

Robots

Used for locating and/or surveilling suspects. Also used for checking locations prior to deploying personnel to avoid encountering armed/dangerous subjects.

.50 Cal Rifle

Used to penetrate barriers and to incapacitate vehicles that may otherwise be difficult to stop (example: armored vehicles)

Explosive Breaching- Detonation
Battering Ram (attached to vehicle)
Gas Ram/Pole (attached to vehicle)

Used to defeat breach various entry points

Used to defeat breach various entry points

Used to defeat breach various entry points and deploy chemical agents where appropriate

Less Lethal Launchers/Munitions

Use consistent with LPD policies related to similar equipment

Armored Tractor(s)

Used to access areas when unsafe to do so by other means