



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
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
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	108
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	28
Capabilities	Capable of deploying exact impact 12 gauge drag-stabilized bean bag round.
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 electronic 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.
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
Capabilities	Capable of deploying chemical payload in the form of OC (oleoresin capsicum) or CS (2-chlorobenzalmalononitrile).
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.
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 218 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	200 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 ballistciclean cartridge
Quantity	136 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	2800 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	2600 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	226 rounds
Capabilities	Capable of deploying exact impact 40mm foam round.
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	210 rounds
Capabilities	Capable of deploying exact impact 40mm foam round carrying an OC payload.
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	90 rounds
Capabilities	Capable of deploying exact impact 40mm foam round carrying a marking cartridge.
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	44 rounds
Capabilities	Barrier penetration to deliver OC or CS payload into a structure.
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	365 rounds
Capabilities	Capable of deploying exact impact 12 gauge drag-stabilized bean bag round.
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	13 cases of 150 rounds
Capabilities	Capable of deploying non-toxic bismuth forward payload.
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	10 cases of 150 rounds
Capabilities	Capable of deploying non-toxic bismuth forward or paint payload.
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	6 cases of 150 rounds
Capabilities	Capable of deploying non-toxic bismuth forward payload.
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	10+ years
Manufacturer's description	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.
Purpose and authorized uses	To provide immediate entry into secure structures to protect life, property, or evidence as necessary and authorized by law.
Fiscal impact	\$10,628 initial cost; \$800 annually for training and operational ammunition.
Legal and procedural rules	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.
Required training	Agency-authored orientation course; annual refresher.

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	GasRam™
Description	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.
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 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. 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.
Purpose and authorized uses	\$3,100 initial cost; no expected annual maintenance costs.
Fiscal impact	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.
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	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. 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.
Purpose and authorized uses	\$2,700 initial cost; no expected annual maintenance costs.
Fiscal impact	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 rounds
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 rounds
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 TESCR 3
Description	Green Cap 2-3/4" 375 Grain Clayvon® Frangible 12 Ga Shotgun Slug
Quantity	36 rounds
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 rounds
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 rounds
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	65 Units
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	49 units (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 readiness.
Legal and procedural rules	
Required training	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.
Compliance mechanisms	POST Basic SWAT Operator course or equivalent; annual department refresher. 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 units (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 readiness.
Legal and procedural rules	
Required training	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.
Compliance mechanisms	POST Basic SWAT Operator course or equivalent; annual department refresher. 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	30 units
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	
Required training	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.
Compliance mechanisms	POST Basic SWAT Operator course or equivalent; annual department refresher. 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	34 units
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	5 units (additional devices maintained by PPD) Items to be replaced with 7290-M and 7290-9
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	73 units
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	28 units (Purchasing an additional 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	Used to defeat breach various entry points
Battering Ram (attached to vehicle)	Used to defeat breach various entry points
Gas Ram/Pole (attached to vehicle)	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
Type	UAV - DJI Avata
Description	The DJI Avata Drone with a built-in propeller guard, is compact and portable. It can fly in both indoor and outdoor scenarios, hover, and return to the home point automatically. Its camera has a 1/1.7"CMOS image sensor, and when working with its gimbal, it is capable of recording 4K 60fps ultra-high-definition videos.
Quantity	4
Capabilities	10 kilometer range and 18 minutes of flight time.
Expected lifespan	5 years

Manufacturer's description	The DJI Avata makes it easy to film ultra-wide 4K stabilized video indoors or outside, in and around objects. Sporting what some call a "cinewhoop" design, the Avata comes in a palm-sized form factor with all four propellers protected with attached guards. This allows for close-up filming indoors, near people, and through small openings without risking damage or injury to people and property. If the Avata does come in contact, it can just bounce off and keep flying. For a more immersive experience with intuitive controls, you can opt to pair the Avata with optional Goggles 2, FPV Goggles V2, and the DJI Motion Controller.
Purpose and authorized uses	<p>The UAS will only be used in situations where reasonable suspicion of a crime exists, pursuant to a warrant, or during situations where exigent circumstances exist or where public safety needs outweigh privacy expectations. This policy may not encompass every situation officers will encounter in the field and deviations may be necessary and justified. Any deviations from this policy will be reviewed on a case-by-case basis. The Chief of Police, or their designee, may authorize the deployment of the UAS under the following circumstances:</p> <p>(a) Public safety and life preservation missions including, barricaded suspects, building/open area searches for criminal suspects, hostage situations, active shooters, apprehension of armed and dangerous fleeing suspects, dignitary protection, and high-risk search/arrest warrants; (b) Mass casualty events; (c) Lost or missing persons; (d) Search and rescue events; (e) Disaster response and recovery; (f) Suspected explosive devices; (g) Fire suppression or investigation; (h) Hazardous material releases; (i) Crime scene/collision scene preservation and documentation; (j) Pursuant to a search warrant; (k) Mass gatherings where security concerns exist or criminal activity is occurring; (l) Special Events, when the use of a UAS would be likely to enhance public safety; (m) When there is probable cause to believe that the UAS will record images of a place, thing, condition, or event, and that those images tend to show a felony has been committed, or tends to show that a particular person has committed a felony. (n) Anti-UAV operations when a person is operating a UAV in a manner which impedes emergency personnel who, in the course of their duties, are coping with an emergency (refer to Penal Code § 402(a)1);</p> <p>(o) Training missions; (p) In support of the Livermore-Pleasanton Fire Department, or other partner entity, when the underlying mission meets the uses outlined in this policy; (q) Mutual Aid support when the underlying mission meets the uses outlined in this policy</p> <p>(r) Other lawful deployments, with supervisory approval, such as public demonstrations, the collection of departmental/City promotional materials, infrastructure inspections, DUI checkpoints, or animal services related incidents</p>
Fiscal impact	\$6348.00 for all 4 units, no recurring costs
Legal and procedural rules	Any use of a UAS will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations, Livermore Police Department Policy 615, and Livermore Policy Department UAV Procedures.
Required training	All pilots must complete Federal Aviation Administration Part 107 Certification.
Compliance mechanisms	Livermore Police Department Policy 615
Type	UAV - DJI Mavic 3T
Description	The Mavic 3T is a small commercial drone. It is equipped with a thermal camera for firefighting, search and rescue, inspection, and night operations.
Quantity	4
Capabilities	10 kilometers and 45 minutes of flight time
Expected lifespan	5 years
Manufacturer's description	Mavic 3 offers significantly improved imaging performance thanks to its 4/3 CMOS Hasselblad camera and 24mm-equivalent lightweight lens. It can record up to 5.1K/50fps or 4K/120fps videos. Mavic 3 Cine supports Apple ProRes 422 HQ, Apple ProRes 422, and Apple ProRes 422 LT encoding. The tele lens of the dual-camera system supports explore mode for 28x hybrid zoom, allowing to see more of the environment with ease. The flight experience has also been comprehensively improved with the flight time extended to 46 minutes and a hover time of 40 minutes. The incredibly stable O3+ technology, video transmission can reach up to 15 km and supports 1080p/60fps real-time transmission. DJI Mavic 3 is equipped with an omnidirectional obstacle sensing system, which is multiple wide-angle vision sensors onboard work together seamlessly with a high-performance vision computing engine to sense obstacles in all directions precisely and plan a safe flight route that avoids obstacles.

Purpose and authorized uses	<p>The UAS will only be used in situations where reasonable suspicion of a crime exists, pursuant to a warrant, or during situations where exigent circumstances exist or where public safety needs outweigh privacy expectations. This policy may not encompass every situation officers will encounter in the field and deviations may be necessary and justified. Any deviations from this policy will be reviewed on a case-by-case basis. The Chief of Police, or their designee, may authorize the deployment of the UAS under the following circumstances:</p> <p>(a) Public safety and life preservation missions including, barricaded suspects, building/open area searches for criminal suspects, hostage situations, active shooters, apprehension of armed and dangerous fleeing suspects, dignitary protection, and high-risk search/arrest warrants; (b) Mass casualty events; (c) Lost or missing persons; (d) Search and rescue events; (e) Disaster response and recovery;</p> <p>(f) Suspected explosive devices; (g) Fire suppression or investigation; (h) Hazardous material releases; (i) Crime scene/collision scene preservation and documentation; (j) Pursuant to a search warrant; (k) Mass gatherings where security concerns exist or criminal activity is occurring; (l) Special Events, when the use of a UAS would be likely to enhance public safety, (m) When there is probable cause to believe that the UAS will record images of a place, thing, condition, or event, and that those images tend to show a felony has been committed, or tends to show that a particular person has committed a felony. (n) Anti-UAV operations when a person is operating a UAV in a manner which impedes emergency personnel who, in the course of their duties, are coping with an emergency (refer to Penal Code § 402(a)1);</p> <p>(o) Training missions; (p) In support of the Livermore-Pleasanton Fire Department, or other partner entity, when the underlying mission meets the uses outlined in this policy; (q) Mutual Aid support when the underlying mission meets the uses outlined in this policy</p> <p>(r) Other lawful deployments, with supervisory approval, such as public demonstrations, the collection of departmental/City promotional materials, infrastructure inspections, DUI checkpoints, or animal services related incidents</p>
Fiscal impact	\$23,992.00 for all 4 units, no recurring costs
Legal and procedural rules	Any use of a UAS will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations, Livermore Police Department Policy 615, and Livermore Policy Department UAV Procedures.
Required training	All pilots must complete Federal Aviation Administration Part 107 Certification.
Compliance mechanisms	Livermore Police Department Policy 615
Type	UAV - DJI Matrice 300 RTK
Description	The Matrice 300 RTK is a large commercial drone. This drone features a 6-way directional sensors and advanced AI technology while still having a staggering 55 minutes of flight time on one charge (with no payload attached).
Quantity	1
Capabilities	15 kilometers and 55 minutes of flight time
Expected lifespan	5 years
Manufacturer's description	<p>The DJI Matrice 300 RTK is a robust and intelligent commercial drone platform designed for various industrial applications. Here are some key features of this drone:</p> <p>Flight Time: The Matrice 300 RTK offers an impressive up to 55 minutes of flight time, allowing for extended operations without frequent battery changes.</p> <p>Advanced AI Capabilities: It incorporates advanced artificial intelligence (AI) capabilities, enhancing its ability to perform complex tasks and missions.</p> <p>Directional Sensing & Positioning: With 6-directional sensing and positioning, the M300 RTK ensures precise navigation and obstacle avoidance, even in challenging environments.</p> <p>High-Performance and Reliability: DJI has set a new standard by combining intelligence with high-performance and unrivaled reliability in the Matrice 300 RTK</p>

Purpose and authorized uses	<p>The UAS will only be used in situations where reasonable suspicion of a crime exists, pursuant to a warrant, or during situations where exigent circumstances exist or where public safety needs outweigh privacy expectations. This policy may not encompass every situation officers will encounter in the field and deviations may be necessary and justified. Any deviations from this policy will be reviewed on a case-by-case basis. The Chief of Police, or their designee, may authorize the deployment of the UAS under the following circumstances:</p> <p>(a) Public safety and life preservation missions including, barricaded suspects, building/open area searches for criminal suspects, hostage situations, active shooters, apprehension of armed and dangerous fleeing suspects, dignitary protection, and high-risk search/arrest warrants; (b) Mass casualty events; (c) Lost or missing persons; (d) Search and rescue events; (e) Disaster response and recovery; (f) Suspected explosive devices; (g) Fire suppression or investigation; (h) Hazardous material releases; (i) Crime scene/collision scene preservation and documentation; (j) Pursuant to a search warrant; (k) Mass gatherings where security concerns exist or criminal activity is occurring; (l) Special Events, when the use of a UAS would be likely to enhance public safety (m) When there is probable cause to believe that the UAS will record images of a place, thing, condition, or event, and that those images tend to show a felony has been committed, or tends to show that a particular person has committed a felony. (n) Anti-UAV operations when a person is operating a UAV in a manner which impedes emergency personnel who, in the course of their duties, are coping with an emergency (refer to Penal Code § 402(a)1);</p> <p>(o) Training missions; (p) In support of the Livermore-Pleasanton Fire Department, or other partner entity, when the underlying mission meets the uses outlined in this policy; (q) Mutual Aid support when the underlying mission meets the uses outlined in this policy</p> <p>(r) Other lawful deployments, with supervisory approval, such as public demonstrations, the collection of departmental/City promotional materials, infrastructure inspections, DUI checkpoints, or animal services related incidents</p>
Fiscal impact	\$13,199 for 1 unit, no recurring costs
Legal and procedural rules	Any use of a UAS will be in strict accordance with constitutional and privacy rights and Federal Aviation Administration (FAA) regulations, Livermore Police Department Policy 615, and Livermore Policy Department UAV Procedures.
Required training	All pilots must complete Federal Aviation Administration Part 107 Certification.
Compliance mechanisms	Livermore Police Department Policy 615
Expected Acquisitions (FY 25-26)	Use Category
Additional purchases of current inventory items	Re-supply and additions to most authorized categories in order to maintain operational readiness. See individual items above for intended use, fiscal impacts, and additional information
Additional purchases of aircraft	Anticipated purchase of 4 Avata aircraft/4 Mavic aircraft in FY 25-26, estimated cost is \$32,000.00