

Santa Cruz Police Department Draft Military Use Equipment List Pursuant to AB481.

1. Robot (Category 1)

a. Description, quantity, capabilities and purchase cost:

- I. Recon Robotics "Throw bot." Purchase cost: \$9,000 in 2013. Quantity: 1. This equipment is a battery powered, remote operated device. It is equipped with a color camera as well as infrared capabilities that allow for use in low or no light situations. It does not have audio capabilities, nor is it capable of creating audio or video recordings. The Throw Bot is designed to be carried and operated by one person and can be thrown a significant distance without damage. It cannot traverse stairs on its own and it does not have any arm, claw or other type of manipulation attachment. The Throw Bot has no ability to have a weapon or other device affixed to it, nor is the Throw Bot capable of delivering a weapon or other device. This equipment is for use during high-risk incidents or incidents where its use may enhance officer or civilian safety. These include but are not limited to: a high-risk search warrant, barricaded subject or hostage negotiation/rescue. This equipment can provide officers with the location of a subject inside of a structure or room. It can assist officers in locating suspects, determining whether the suspect armed, and can provide the locations of injured persons or hostages. This equipment can provide critical tactical information without placing officers at undue risk. This equipment has been used in numerous high risk and dangerous incidents.
- II. AVITAR II by Robotex. SCPD has access to two AVITAR II robots maintained by the Santa Cruz Sheriff's Office. The AVITAR II is a heavy-duty robot, controlled by remote operation with a camera attachment owned by the Santa Cruz Sheriff's Office.

b. Purpose:

To be used to remotely search areas and gain visual data.

c. Authorized Use:

The SCPD Emergency Service Unit (ESU) Tactical team has primary control over the Throw Bot. It is available for use by any SCPD officer in any situation where it would enhance officer or civilian safety. The AVITAR II Robots are entirely owned and operated by Santa Cruz Sheriff's Office personnel.

d. Legal and Procedural Rules:

Any use of SCPD robots will be for official law enforcement purposes, pursuant to State and Federal law, and in a manner that respects the privacy of our community..

e. Required Training:

- I. The SCPD conducts department specified training for personnel to use the Throw Bot. This includes set up, deployment, safe and effective use of the Throw Bot.
- II. Training required for the use of the AVITAR II robots is in accordance with the Santa Cruz County Sheriff's policy.

- f. **Expected Lifespan:**
 - I. Throw Bot: The Throw Bot is designed to be in service 8-10 years. The Throw Bot will be used until repairs are no longer supported by the manufacturer, the Throw Bot has been in service since 2013. It has been repaired by the manufacturer once.
 - II. AVITAR II: Not a consideration for SCPD.
 - g. **Fiscal Impact**
 - I. Throw Bot: No known annual maintenance costs.
 - II. AVITAR II: No fiscal impact for SCPD.
2. Unmanned Aerial Vehicles (Category 1)
- a. **Description, quantity, capabilities and purchase cost.**
 SCPD does not currently possess any unmanned Aerial Vehicles. SCPD does have access to several Unmanned Aerial Vehicles maintained by the Santa Cruz County Sheriff's Office. The Sheriff's Office possess several different unmanned aerial vehicles that can provide higher altitude aerial views of locations or search areas. The Unmanned Aerial Vehicles can also provide interior search capabilities in areas that are impassable for SCPD's Recon Robot and in situations where officers entering would be unsafe.
 - b. **Purpose:**
 To be deployed when its capabilities would provide officer or incident commanders with an aerial view of a location or the interior of a specific location. The unmanned aerial vehicles may be deployed in situations that include, but are not limited to, a search for a missing person, natural disaster management, tactical or other public safety and life preservation situations.
 - c. **Authorized Use:**
 Only operators assigned to the Santa Cruz County Sheriff's department may operate the Unmanned Aerial Vehicles. The Santa Cruz County Chief Deputy must authorize all requests for use by outside agencies.
 - d. **Legal and Procedural Rules:**
 Use is established under the Santa Cruz County Sheriff's Office Policy 606 and FAA Regulation 14 CFR Part 107. During their use, all other SCPD policies remain in effect, including but not limited to, Search and Seizure -312, Missing Persons-316, Emergency Services Unit-404. It is the policy of the SCPD to utilize Unmanned Aerial Vehicles only for official law enforcement purposes, pursuant to State and Federal law, and in a manner that respects the privacy of our community..
 - e. **Required Training:**
 No required training for SCPD officers as only operators assigned to the Santa Cruz County Sheriff's department may operate the equipment.
 - f. **Expected Lifespan:**
 Not a consideration for SCPD.
 - g. **Fiscal Impact**
 No fiscal impact for SCPD.

3. Armored Personnel Carrier, vehicle with entry apparatus attached (Category 2&3)
 - a. **Description, quantity, capabilities and purchase cost:**
Lenco Armored Rescue Vehicle (ARV). Purchase cost \$230,378. Quantity: 1.
The ARV is designed to provide ballistic protection during tactical events, and is designed to withstand multiple bullet strikes from small arms fire and low level explosions. The ARV is equipped with remote operated spotlights, emergency lights, siren and a public address system. Common uses for the ARV include citizen and officer rescues, evacuations and the deployment of officers and chemical munitions. The ARV has been used in numerous high-risk and critical incidents including use by allied agencies in Santa Clara County, Santa Cruz County and San Mateo County.
 - b. **Purpose:**
To be used in response to high-risk or critical incidents to enhance officer and community safety, assist in scene containment and to assist in resolving critical incidents.
 - c. **Authorized Use:**
Only the Watch Commander or the ESU commander may authorize the use of the ARV. Deployment must be based on the specific circumstances of a given critical incident. The ARV was purchased through a BUASI grant. The terms of this grant require that SCPD make the ARV available to any allied agency with the BUASI area as long as the situation the ARV is requested for meets the criteria for deployment set forth in SCPD Policy 702. SCPD generally sends at least one member of the ESU tactical team with the ARV if one is available.
 - d. **Legal and Procedural Rules:**
All applicable SCPD policies including but not limited to Vehicle Use -702, ESU Tactical Team-404. It is the policy of the Department to utilize armored vehicles only for official law enforcement purposes, and pursuant to State and Federal law.
 - e. **Required Training:**
Members of the ESU team train officers in the use of the ARV. This training includes capabilities of the ARV, safety considerations, conducting civilian and officer rescues as well as other deployment considerations.
 - f. **Expected Lifespan:**
20 years.
 - g. **Fiscal Impact**
\$4,312 per year (parts, labor, and fuel).
4. Ford F350 transport vehicle (ESU Truck, category 5)
 - a. **Description, quantity, capabilities and purchase cost:**
2008 Ford F350 transport vehicle. A standard Ford F350 truck chassis with a large box type compartment attached to the chassis from the cab back. Purchase cost: \$65,000. Quantity: 1. The interior of the compartment is fitted with shelving and seats. The outsides of the compartment are fitted with multiple storage boxes. The vehicle contains various equipment, spare ballistic shields, breaching tools, small tools, medical supplies, pens, writing tablets, power inverters etc.

- b. **Purpose:**
The Ford F350 is deployed during critical incidents or any other instance where it can be utilized to transport personnel and equipment.
 - c. **Authorized Use:**
Any member of the SCPD is authorized to drive the vehicle if directed to do so. The vehicle is used primarily by the ESU team.
 - d. **Legal and Procedural Rules:**
All applicable SCPD policies including but not limited to Vehicle Use -702 and Emergency Services Unit-404. It is the policy of the SCPD to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.
 - e. **Required Training:**
All driver/operators shall receive training in the safe operation of the vehicle.
 - f. **Expected lifespan:**
20 Years.
 - g. **Fiscal Impact:**
\$1,158 per year (parts, labor, and fuel).
5. Command and Control Vehicles (Category 5)
- a. **Description, quantity, capabilities and purchase cost:**
Chevy Tahoe Patrol Vehicle. Purchase cost: \$60,000 each.
Quantity: (1) 2017 Model (Lieutenant), (3) 2018 models (Sergeants). These vehicles can act as a Mobile Command Center. The vehicle is equipped with file cabinets, dry erase board, medical supplies and additional mapping equipment.
 - b. **Purpose:**
The Mobile Command Center is commonly utilized during incidents which involve the use of the Incident Command System (ICS). The Mobile Command Center assists with creating a set of objectives and overall goals, developing appropriate tactics, ensuring the allocation of appropriate resources, reviewing plans, communicating goals, tactics, expectations, and establishing accountability.
 - c. **Authorized Use:**
The Mobile Command Center is used when deemed appropriate by the field supervisor or Watch Commander.
 - d. **Legal and Procedural Rules:**
All applicable SCPD policies including but not limited to Vehicle Use -702. It is the policy of the SCPD to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.
 - e. **Required Training:**
All driver/operators shall receive training in the safe operation of the vehicle.
 - f. **Expected Lifespan:**
 - I. Chevy Patrol Vehicle: 10 years.
 - II. The Mobile Command Center does not have a minimum or maximum lifespan and can be transferred to other vehicles.
 - g. **Fiscal Impact:**
 - I. There is no annual maintenance cost for The Mobile Command Center.

- II. Vehicle maintenance cost is approximately \$1,575 per year, per vehicle (parts, labor, and fuel).

6. Firearms of Greater than .50 caliber (Category 8)

a. **Description, quantity, capabilities and purchase cost:**

Mossberg 590 12 gauge pump action shotguns. Purchase cost, approximately \$1,400 each. Quantity: 2. These shotguns are built on a standard Mossberg 590 action. They have a 13.5 inch barrel with a breaching muzzle brake affixed to the end of the barrel.

b. **Purpose:**

These shotguns are specifically designed to be used as breaching tools in situations where rapid entry into a structure is required, such as a hostage situation. They are used to defeat the locking mechanism or the hinges of door by firing a breaching shotgun round into these areas.

c. **Authorized Use:**

Only members of the ESU Tactical team who have completed a breaching school and are trained in the use of these weapons are authorized to use them.

d. **Legal and Procedural Rules:**

All applicable department policies, including but not limited to Use of Force-300, Firearms-306, Search and Seizure-312 and Emergency Services Unit-404. It is the policy of the SCPD to utilize firearms and ammunition only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Only officers who have completed a department authorized breaching school may use these shotguns. The school must include specific training related to the breaching shotgun.

f. **Expected Lifespan:**

No expiration date. The shotguns may need replacement parts when serviced or replaced if they break.

g. **Fiscal Impact:**

\$0-\$1,400 per year.

7. Firearms of Greater than .50 Caliber (Category 8)

a. **Description, quantity, capabilities and purchase cost:**

Remington 870 12 Gauge pump action chemical agent launching shotgun. Purchase cost: \$700. Quantity: 1. This shotgun was repurposed from an out of service shotgun that SCPD already had in inventory. This shotgun is specifically designed to launch a specific type of chemical munition. Though based on a standard 12 gauge shotgun, it is not designed or capable of firing lethal shotgun rounds. The buttstock and fore-end are bright orange and it is marked as a "Less Lethal" weapon. It has a purpose built launching cup permanently affixed to the muzzle.

b. **Purpose:**

This shotgun is designed to launch a specific type of launchable CS (2-chlorobenzylidene malononitrile) chemical agent canisters approximately 25 yards away. It allows officers to deploy chemical agents during critical incidents

from behind cover or in a situation where hand delivering the agents would be unsafe. It allows officers the ability to deploy chemical agents in second and third floors of structures where it would be impossible for officers to hand deliver the agents.

- c. **Authorized Use:**
Only officers assigned to the ESU Tactical team are currently authorized to use this launching shotgun.
 - d. **Legal and Procedural Rules:**
All applicable policies including but not limited to Use of Force-300, Firearms-306, Control Devices and Techniques-302, Search and Seizure- 312 and ESU Tactical team -404. It is the policy of the SCPD to utilize firearms and ammunition only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.
 - e. **Required Training:**
Officers must attend department training regarding the use of these items. This training includes SCPD policy, legal obligations and reporting requirements. Instructors must attend a 40 hour POST certified instructor course regarding the use of chemical agents, noise, flash, diversionary devices (NFDD) and deployment platforms, in addition to manufacture specific instructor certifications. The SCPD maintains officers who are POST certified as instructors of chemical munitions, NFDD and launching platforms. These officers in turn train other members of the department.
 - f. **Expected Lifespan:**
No expiration. The shotgun may need parts when serviced or replacement if it breaks.
 - g. **Fiscal Impact:**
\$0-\$700 per year.
8. Ammunition of .50 caliber or greater (Category 9).
- a. **Description, quantity, capabilities and purchase cost:**
12. Gauge launching Cartridges Defense Technologies part number 1210. Purchase cost: \$371.25. Quantity: 55. These are blank shotgun cartridges that utilize black powder as the propellant.
 - b. **Purpose:**
When used with launching shotgun, the pressure created in the barrel by the expanding gasses of the black powder propellant provide enough force to launch the chemical agent canister from the shotgun. Though this ammunition is designed and is advertised for other uses, the SCPD only uses it as a launching cartridge for the launching shotgun.
 - c. **Authorized Use:**
Only officers assigned to the ESU team who are trained in the use of the launching shotgun are permitted to use these shotgun-launching rounds.
 - d. **Legal and Procedural Rules:**
All applicable policies including but not limited to Use of Force-300, Firearms-306, Control Devices and Techniques-302, Search and Seizure- 312 and ESU Tactical team -404. It is the policy of the SCPD to utilize firearms and ammunition

only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers must attend department training regarding the use of these items. This training includes SCPD policy, legal obligations and reporting requirements. Instructors must attend a 40 hour POST certified instructor course regarding the use of chemical agents, NFDD and deployment platforms, in addition to manufacture specific instructor certifications. The SCPD maintains officers who are POST certified as instructors of chemical munitions, NFDD and launching platforms. These officers in turn train other members of the department.

f. **Expected Lifespan:**

5 years.

g. **Fiscal Impact:**

\$0-\$500 per year.

9. Specialized Firearms and ammunition of less than .50 caliber (Category 10)

a. **Description, quantity, capabilities and purchase cost:**

The department maintains a Precision Rifle team within the ESU Tactical team. These officers are trained in the use of precision rifles that are specifically designed to stop lethal threats at various distances and through barrier mediums that a carbine rifle would not. These rifles are chambered in .308 Winchester. This is a .30 caliber round that is highly accurate and used during potentially lethal encounters. The .308 is capable of defeating soft body armor at greater distances.

I. Defiance bolt action precision rifles. Purchase cost: \$15,609. Quantity: 3.

II. Accuracy International AT series bolt action rifle. Purchase cost: \$4,462. Quantity: 1.

III. Hornady .308 155 grain ELD Match TAP ammunition. Purchase cost: \$6,720. Quantity: 3,200.

b. **Purpose:**

To provide officers with the ability to address lethal threats with more precision, at greater distances than a Carbine rifle or handgun are capable.

c. **Authorized Use:**

Only those officers assigned to the ESU Tactical team, and who have been selected as members of the Precision Rifle team may use these weapons.

d. **Legal and Procedural Rules:**

All applicable department policies, including but not limited to, Use of Force-300, Firearms-306 and ESU Tactical Team-404. It is the policy of the SCPD to utilize firearms and ammunition only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers assigned to the Precision Rifle Team are required to attend and pass a POST certified basic Precision Rifle course before they are permitted to use these weapons.

f. **Expected Lifespan:**

- I. Defiance Precision Rifles, no expiration date. They will need parts and service as they become worn or break.
 - II. Accuracy International AT Series Rifle, no expiration date. It will need parts and service as they become worn or break.
 - III. Hornady 155 grain ELD Match TAP, no expiration date.
 - g. **Fiscal Impact:**
 - I. Precision rifles, \$0-\$1,000 per fiscal year.
 - II. Hornady Ammunition, \$0-\$6,720 per fiscal year.
10. Flashbang, Teargas and Pepper balls (Category 12)
- a. **Description, quantity, capabilities and purchase cost:**
 Noise, Flash, Diversionary Devices (NFDD) commonly referred to as “flashbangs” are single use devices that emits a loud bang and a very bright flash. They are designed to disorient and distract dangerous subjects by overwhelming their senses and provide a window of time, approximately 6-8 seconds, for officers to take control of dangerous or high-risk situations. Additionally, the SCPD possess “Stinger Grenades.” This device is a rubber ball that contains a small NFDD in addition to 60 .32 caliber rubber balls. When used, the grenade separates along its hemisphere and expels the balls while simultaneously giving a loud bang and bright flash. These are useful in crowd control or riot situations as a means to disperse groups of violent individuals in addition to the disorienting effect of the NFDD component to mitigate dangerous behavior. These can be purchased in configurations that include OC/CS (2chlorobenzylidene malononitrile/Oleoresin Capsicum) agent dispersing capabilities, inert powders or simply the .32 caliber balls.
 - I. 8902NR 12 gram low roll NFDD. Purchase cost: \$2,426. Quantity: 40.
 - II. 7007 4 gram NFDD training reloads. Purchase cost \$955. Quantity: 26.
 - III. 1090 Stinger Grenades. Purchase cost \$523. Quantity: 10.
 - b. **Purpose:**
 To produce a loud noise, overpressure and a very bright flash, that can cause temporary psychological and physiological deprivation and give officers an advantage in high-risk tactical situations. Generally, NFDD (not including stinger grenades) are not a primary device used in riot situations, however there are narrow instances requiring authorization of the incident commander where they could be used.
 - c. **Authorized Use:**
 Only those officers who are trained in the use of the devices are authorized to use them. Currently the only officers trained in the use of these devices are members of the ESU Tactical team. Use of NFDD is controlled by SCPD policy and best practice. Situations where an NFDD may be used include but are not limited to: hostage or barricaded subject situations, high-risk warrant service (arrest/search) where risk to officers is extremely high; during any other high risk situation where use of an NFDD may increase officer safety or training.
 - d. **Legal and Procedural Rules:**
 All applicable department policies, including but not limited to Use of Force-300, ESU tactical Team-404, Control Devices and Techniques-302. It is the policy of

the SCPD to utilize these devices only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers must attend department training regarding the use of these items. This training includes SCPD policy, legal obligations and reporting requirements. Instructors must attend a 40 hour POST certified instructor course regarding the use of chemical agents, NFDD and deployment platforms, in addition to manufacture specific instructor certifications. The SCPD maintains officers who are POST certified as instructors of chemical munitions, NFDD and launching platforms. These officers in turn train other members of the department.

f. **Expected Lifespan:**

- I. 8902NR 12 gram low roll NFDD- 5 years.
- II. 7007 4 gram NFDD training reloads- 5 years.

g. **Fiscal Impact:**

- I. 8902NR 12 gram low roll NFDD-\$0-\$2000 per year.
- II. 7007 4 gram NFDD training reloads \$0-\$832 per year.

11. Chemical Agents "Teargas" (Category 12)

a. **Description, quantity, capabilities and purchase cost:**

The SCPD uses chemical agents, commonly referred to as "teargas" as less lethal tools to disperse rioting subjects or on barricaded subjects. The two agents the SCPD uses are CS (2-chlorobenzylidene malononitrile) and OC (Oleoresin Capsicum). CS is an irritating agent and a lachrymator. It irritates the eyes and causes tearing while also irritating the respiratory system causing coughing. These reactions are temporary and quickly subside especially if the subjects remove themselves from the area where the chemical agent has been deployed. The U.S Army has tested CS extensively. There are no known allergic reactions to CS. OC is an, inflammatory agent. It causes a burning sensation, involuntary closure of the eyes and tightness in the chest. These symptoms generally subside within an hour or less of exposure. OC is legal for civilians to possess in certain quantities.

- I. 1082 Riot Control CS Canister. Purchase cost: \$352. Quantity: 12. Pyrotechnic device used in outdoor situations to disperse rioting crowds, should not be used indoors due to risk of fire. Releases 75.6 grams of CS in 20-40 seconds.
- II. 1032 Tri-Chamber Flameless CS Canister. Purchase cost: \$647. Quantity: 14. Pyrotechnic device designed to be used indoors and presents a minimal risk of fire. Hand delivered only. Releases 20 grams of agent in 20-30 seconds.
- III. 5230B Baffled Launchable CS canister. Purchase cost: \$416. Quantity: 10. Pyrotechnic device, designed to be launched from the launching shotgun. For use indoors and presents minimal risk of fire. Releases 25 grams of agent in 20-40 seconds.
- IV. 1026 Triple Chaser separating canister. Purchase cost: \$1,047. Quantity: 20. Pyrotechnic device, designed to be used outdoors in riot control situations. It is a canister, that when deployed separates into three smaller canisters. It allows officers to deploy chemical agents over a

larger area with less munitions. Releases 92 grams of agent between three separate smaller canisters over 20-30 seconds.

- V. 56854 Aerosol OC Fogger. Purchase cost: \$89. Quantity: 4. Non-pyrotechnic canister. This canister sprays OC with the aid of compressed air. It is designed to be used indoors or in vehicles. It has no risk of fire. It will release a 1.3% OC spray over 15-25 seconds.
- VI. 2262 40mm CS Liquid Ferret projectile. Purchase cost: \$1,238. Quantity: 44. Non-pyrotechnic launched projectile. This munition is fired from a 40mm less lethal launcher. It is a hardened projectile intended to be used to defeat barriers such as glass and thin wooden barriers. When it penetrates or impacts a hard surface, it disperses liquid CS agent into the area. These are not for use against people.
- VII. 2260 40mm OC Liquid Ferret projectile. Purchase cost: \$289. Quantity: 10. Non-pyrotechnic launched projectile. This munition is fired from a 40mm less lethal launcher. It is a hardened projectile intended to be used to defeat barriers such as glass and thin wooden barriers. When it penetrates or impacts a hard surface, it disperses liquid OC agent into the area. These are not for use against people.

b. **Purpose:**

To limit escalating situations where lethal force is prohibited or undesirable. Situations where these munitions would be deployed include, but are not limited to: self-destructive, dangerous or combative individuals; riot or crowd control situations or other violent civil unrest; situations where use of the munitions would provide a tactical advantage; training or authorized demonstration. A “tactical advantage” could include but is not limited to: deployment into a structure or vehicle where an armed violent/self-destructive subject is barricaded; or a riot situation where, deployment can either create an environment that causes violent persons to disperse or leave the area or limit the advance of a violent group or deny a violent group access to specific areas or law enforcement.

c. **Authorized Use:**

Only officers trained in the use of these munitions may use them. This includes officers assigned to the ESU Tactical team and officers assigned as “grenadiers” during a crowd control or violent civil unrest situation.

d. **Legal and Procedural Rules:**

To be used in accordance with Penal Code section 13652 (AB 48). All applicable policies, including but not limited to Use of Force-300, ESU Tactical team-404 and Control Devices and techniques-302. It is the policy of the SCPD to utilize chemical agents only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers must attend department training regarding the use of these items. This training includes SCPD policy, legal obligations and reporting requirements. Instructors must attend a 40 hour POST certified instructor course regarding the use of chemical agents, NFDD and deployment platforms, in addition to manufacture specific instructor certifications. The SCPD maintains officers who

are POST certified as instructors of chemical munitions, NFDD and launching platforms. These officers in turn train the other members of the department.

f. **Expected Lifespan:**

- I. 1082 Riot Control CS Canister-5 years.
- II. 1032 Tri-Chamber Flameless CS Canister-5 years.
- III. 5230B Baffled Launchable CS canister-5 years.
- IV. 1026 Triple Chaser separating canister-5 years.
- V. 56854 Aerosol OC Fogger-5 years.
- VI. 2262 40mm CS Liquid Ferret projectile-5 years.
- VII. 2260 40mm OC Liquid Ferret projectile-5 years.

g. **Fiscal Impact:**

All chemical munitions \$0-\$5,000 per fiscal year based on fiscal budgeting.

12. Pepper Ball Guns and Pepper Balls (Category 12)

a. **Description, quantity, capabilities and purchase cost.**

- I. Pepper ball guns. Purchase cost. \$1,399. Quantity: 4. Pepper ball guns are a compressed air powered launcher, almost identical in manufacture to a common paintball gun. It fires .68 caliber plastic balls that contain an irritant powder. The pepper ball gun can fire pepper balls up to 60 feet and can launch pepper balls farther to saturate an area.
- II. Pepper Balls. Purchase cost: \$967 (per container). Quantity: 4 (containers of 375 pepper balls). Pepper Balls are .68 caliber projectiles. They are a plastic shell that contains an irritant powder that consists of PAVA, a pepper derivative. This powder causes a burning sensation and involuntary eye closure when coupled with the impact of the projectile. It is used for pain compliance and disorientation.

b. **Purpose:**

To limit escalating situations where lethal force is prohibited or undesirable. Situations where these munitions would be deployed, include: Self destructive, dangerous or combative individuals; riot or crowd control situations or other violent civil unrest; situations where use of the munitions would provide a tactical advantage; training or authorized demonstration. A "tactical advantage" could include but is not limited to: deployment into a structure or vehicle where an armed violent/self-destructive subject is barricaded, or a riot situation where, deployment can either create an environment that causes violent persons to disperse or leave the area or limit the advance of a violent group or deny a violent group access to specific areas or law enforcement.

c. **Authorized Use:**

Only officers who are certified to use the pepper ball system.

d. **Legal and Procedural Rules:**

To be used in accordance with Penal Code section 13652 (AB 48). All applicable policies including but not limited to Use of Force-300, Control Devices and Techniques-302. It is the policy of the SCPD to utilize pepper ball guns and pepper balls only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers must attend a manufacturer specific training course to be certified to use the pepper ball systems.

- f. **Expected Lifespan:**
 - I. Pepper ball guns, no expiration. They will need parts and service as they wear out or break.
 - II. Pepper Balls, 2 years.
 - g. **Fiscal Impact**
 - Pepper ball guns, \$0-\$500 per year.
 - Pepper Balls \$0-\$500 per year.
13. Long Range Acoustic Device (LRAD) (Category 13)
- a. **Description, quantity, capabilities and purchase cost:**

GENASYS Inc. LRAD-100X. Purchase cost: \$8,179.77. Quantity: 1. This device is a self-contained, lightweight, battery operated hailer that communicates with great intelligibility up to 600 meters. It emits acoustic sound pressure levels up to 140db. It provides clear unmistakable, intelligible communications and stunning alert tones and can play pre-recorded audio messages, mp3 audio files and live broadcasting via a handheld microphone. It can broadcast tones at a volume that causes discomfort to those who hear the tones. The device provides directional sound capabilities allowing the user to direct the uncomfortable tones at a specific person or group of persons.
 - b. **Purpose:**

To serve as a notification/communication system during critical incidents, where the user is conveying a message to a person or persons. To be used during violent or riotous situations as a means to advise participants that they are involved in legally prohibited activities. To be used to broadcast alert tones in a directed manner at persons involved in riotous or destructive behavior as a means of dispersing the crowd and stopping the behavior. This device provides the SCPD with the ability to address violent persons or groups of persons during a riot or other violent crowd control situation without the use of kinetic less lethal weapons such 40mm launchers or chemical agents, allowing SCPD to attempt de-escalation via less forceful means.
 - c. **Authorized Use:**

Only officers who are trained in its use, with the authorization of an incident commander, may use this device.
 - d. **Legal and Procedural Rules:**

All applicable policies including but not limited to Use of Force-300, Control Devices and Techniques-302. It is the policy of the SCPD to utilize the LRAD only for official law enforcement purposes, and pursuant to State and Federal law.
 - e. **Required Training:**

Officers must attend a department specified training to use this device.
 - f. **Expected Lifespan:**

20-25 years. Repairs completed as needed.
 - g. **Fiscal Impact:**

No known fiscal impact, the device is new.

14. 40mm Projectile Launchers (Category 14)

a. **Description, quantity, capabilities and purchase cost:**

The 40mm projectile launcher is a Less Lethal platform. It is not a firearm and is not capable of firing any military grade explosive projectile. It is designed to fire a projectile designed to be used against persons in situations where lethal force is prohibited. It allows officers to use Less Lethal Direct Impact spins stabilized munitions at distances up to 120 feet. The munitions cause pain compliance via blunt force impact. They can incapacitate violent subjects armed with weapons that are not firearms, allowing officers to safely take a subject into custody. The standoff capabilities allow officers to apply force via the impact rounds and assess if further application of force is required. This mitigates the need for officers to approach a violent/armed subject, reducing the chances of a lethal force scenario.

- I. Defense Technologies DT1325 40mm-single barrel launchers. Purchase cost: \$11,620. Quantity: 14. (No longer manufactured)
- II. Lewis Machine and Tool (LMT) 1425 40mm single barrel launchers. Purchase cost: \$12,450. Quantity: 15.
- III. Lewis Machine and Tool (LMT) 1440 40mm 4 shot multi launchers. Purchase cost: \$3,798. Quantity: 2.
- IV. Penn Arms PGL65-40 40mm 6 shot multi launcher. Purchase cost: Approximately \$3,000. Quantity: 1.

b. **Purpose:**

To be used as a less lethal tool, to apply pain compliance to self-destructive, armed or combative/resistive persons, to prevent the person from causing harm to themselves or others. Also used during violent riots or large crowd control disturbances. They can be used to mark persons engaged in the above activity making the person(s) identifiable for arrest.

c. **Authorized Use:**

Only officers who have completed a department training course may deploy these less lethal tools. Every patrol vehicle has a single launcher in it for use by patrol officers. Only officers specifically trained in the use and application during a crowd control or riotous situation may use them in those instances.

d. **Legal and Procedural Rules:**

To be used in accordance with Penal Code section 13652 (AB 48). All applicable policies, including but not limited to, Use of Force-300, Control Devices and Techniques-302 and Emergency services Tactical Team-404. It is the policy of the SCPD to utilize these devices only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers must attend department training regarding the use of these items. This training includes SCPD policy, legal obligations and reporting requirements. Instructors must attend a 40 hour POST certified instructor course regarding the use of chemical agents, NFDD and deployment platforms, in addition to manufacture specific instructor certifications. The SCPD maintains officers who are POST certified as instructors of chemical munitions, NFDD and launching platforms. These officers in turn train other members of the department.

f. **Expected Lifespan:**

- I. Defense Technologies DT1325 40mm-single barrel launchers: No expiration. No longer manufactured. Will be serviced or repaired as long as viable.
- II. Lewis Machine and Tool (LMT) 1425 40mm single barrel launchers: No expiration. Will need parts and service when they wear out or break.
- III. Lewis Machine and Tool (LMT) 1440 40mm 4 shot multi launchers: No expiration. Will need parts and service when they wear out or break.
- IV. Penn Arms PGL65-40 40mm 6 shot multi launcher: No expiration. Will need parts and service when it wears out or breaks.

g. **Fiscal Impact:**

For all of the listed launchers: \$0-500 per year.

15. 40mm ammunition: (Category 14)

a. **Description, quantity, capabilities and purchase cost:**

40mm ammunition meant to be used in 40mm Projectile Launchers described above. All of the 40mm rounds in this section are approved for use against people if the force is justified. SCPD has three impact munitions, the Exact Impact is a less lethal projectile made of a foam rubber often called a "sponge round" with a consistency similar to a sponge. It is fired using smokeless powder and is designed to incapacitate people through pain compliance and impact. It is blue in color and can be fired from ranges between 5' and 120'. The Direct Impact round is an impact munition that carries a powder payload within the projectile. The payload can be a chemical agent powder or it can contain an inert marking powder. These munitions provide the same less lethal pain compliance/de-escalation/violence mitigation functions as the Exact Impact munitions, with the added benefit of an irritant powder, or the ability to make a riotous subject identifiable for arrest. The SCPD also uses reusable training ammunition that allow true to real training at lower cost.

- I. eXact Impact 40mm: Purchase cost: \$4,011. Quantity: 140.
- II. Direct Impact 40mm OC. Purchase cost: \$732. Quantity: 24.
- III. Direct Impact 40mm Marking. Purchase cost: \$970. Quantity: 32.
- IV. Training Sponge ammunition 24 round kit. Purchase cost: \$2,537. Quantity: 7.

b. **Purpose:**

To be used as a less lethal tool in situations where lethal force is prohibited. To assist officers in intervening in violent or potentially violent situations by use of pain compliance. To allow officers the ability to apply less lethal force from distance or behind cover, which provides time to assess the effect of the force used and re-apply or discontinue force as the situation allows.

c. **Authorized Use:**

Only officers who are trained in the use of these projectiles are authorized to use them. Situations where use may be authorized include but are not limited to: armed self-destructive individuals, violent resistive individuals, violent riotous

individuals, situations where use would increase safety and mitigate the need for higher uses of force, authorized training or demonstrations.

d. **Legal and Procedural Rules:**

To be used in accordance with Penal Code section 13652 (AB 48). All applicable policies including but not limited to Use of Force-300, Control Devices and Techniques-302. It is the policy of the SCPD to utilize these devices only for official law enforcement purposes, and pursuant to State and Federal law, including those regarding the use of force.

e. **Required Training:**

Officers must attend department training regarding the use of these items. This training includes SCPD policy, legal obligations and reporting requirements. Instructors must attend a 40 hour POST certified instructor course regarding the use of chemical agents, NFDD and deployment platforms, in addition to manufacture specific instructor certifications. The SCPD maintains officers who are POST certified as instructors of chemical munitions, NFDD and launching platforms. These officers in turn train other members of the department.

f. **Expected Lifespan:**

- I. eXact Impact 40mm-5 years.
- II. Direct Impact 40mm OC-5 years.
- III. Direct Impact 40mm Marking-5 years.
- IV. Training Sponge ammunition 24 round kit-5 years.

g. **Fiscal Impact:**

\$0- 5,000 per year. Given the 5 year life span of these munitions, the SCPD may not need to purchase more every fiscal year.