



**2024 AB-481 Annual Report
Military Equipment
Acquisition and Use**

INTRODUCTION:

California Assembly Bill 481 (AB 481), which took effect on January 1, 2022, requires law enforcement agencies to obtain approval from their governing body—via an adopted ordinance and military equipment use policy—prior to funding, acquiring, or using designated military equipment. This requirement applies to all such equipment either owned by or utilized by the Sheriff's Office within its jurisdiction.

In compliance with AB 481, the Santa Cruz County Sheriff's Office is required to submit an annual report that includes the following information:

- A summary of how each piece of military equipment was used and its intended purpose (Pages 3-8)
- A summary of any complaints or concerns related to the use of military equipment (Page 9)
- Results of internal audits, including any violations of the military equipment use policy and actions taken in response (Page 10)
- The total annual cost associated with each type of military equipment—including acquisition, personnel, training, transportation, maintenance, storage, upgrades, and other ongoing costs—as well as the funding sources for the upcoming year (Pages 11-38)
- The quantity of each type of military equipment currently possessed (Pages 11-36)
- The quantity and type of any additional military equipment the agency intends to acquire in the next year (Page 37-38)

Additionally, within 30 days of submitting the annual report, the Sheriff's Office is required to host at least one well-publicized and conveniently located community engagement meeting to

provide an opportunity for public discussion of the report. The community meeting is currently scheduled for May the 8th at 6:00PM in the Sheriff's Office Community room.

SUMMARY OF DEPLOYMENTS:

Definitions:

- IC: Incident Command
- Lt: Lieutenant
- UAS: Unmanned Aircraft Systems
- UAV: Unmanned Aerial Vehicle
- SAR: Search and Rescue

Equipment	Deployments	Staff Hours
Avitar II Robot	1*	2
Bomb Robot	3, 18*	69.5
UAS	66	332.5
Bearcat	0	0
Armored Van	4, 1*	17
UAS Vehicle	11	15.5
Mobile Substation	2	43
1998 IC Vehicle	15, 1*	21
2022 IC Vehicle	4, 2*	30
BOMB Team Vehicle	14, 18*	93.5
.308 Ammunition	6*	65
.308 Rifles	6*	65
Launching Cup	0	0
40mm Launcher	0	0
Flashbangs (Including Stingballs)	1*	100
Tear Gas	1*	40
Pepperball	8, 1*	294
Less Lethal Shotgun	13	166.5
* = Training Deployment		

DATES OF DEPLOYMENTS:

Date	Equipment Used	Location	Situation for Deployment	Result
1/2/2024	Less Lethal Shotgun	Highway 1	Arrest of Homicide Suspect	Displayed
1/3/2024	Bomb IC/ Bomb Robot	Training	Training	Training
1/14/2024	UAS	Green Valley Rd.	Suspect Search	Deployed
1/17/2024	Bomb IC/ Bomb Robot	Training	Training	Training
1/18/2024	Bomb IC	Vehicle maintenance	Maintenance	Maintenance
1/19/2024	AR-10 Rifle/ AR-10 Ammunition	Training	Training	Training
1/19/2024	UAS/ UAS Vehicle	Quinza Court	Search Warrant	Deployed
1/20/2024	UAS	Manor Place	Search for injured person	Deployed
1/22/2024	UAS	Fern Ave.	Barricaded Suspect	Deployed
1/25/2024	UAS/ UAS Vehicle/ Armored Van	River St.	Armed Suspect Search	Deployed
1/27/2024	UAS	Parkhurst Cir.	Search for suspect	Deployed
1/30/2024	UAS/ UAS Vehicle	Via Vinca	Search for suspect	Deployed
2/1/2024	UAS	Dolphin Dr.	Wanted Person Search	Deployed
2/6/2024	UAS/ UAS Vehicle	Aptos Village	Search Warrant	Deployed
2/10/2024	UAS/ UAS Vehicle	Highway 1	Wanted Person Search	Deployed
2/13/2024	PepperBall	259 Water St.	Suicidal and noncompliant IP	Displayed
2/18/2024	1998 SAR Command	Training	Training	Training
2/19/2024	Bomb Robot/ Bomb IC	200 Block Sylvania	Suspicious Explosive	Deployed
2/22/2024	1998 SAR Command	Training	Training	Training
2/23/2024	Less Lethal Shotgun	Hecker Pass Rd.	Armed Subject in roadway	Displayed
2/24/2024	1998 SAR Command	Training	Training	Training
3/4/2024	UAS	Water St.	Subject on Roof	Deployed
3/6/2024	UAS	Soquel Elementary	Missing Juvenile	Deployed
3/6/2024	Bomb IC/ Bomb Robot	Training	Training	Training
3/8/2024	Bomb IC/ Bomb Robot	Graham Hill Rd.	Military Mortar surrendered	Deployed
3/18/2024	UAS	Freedom Blvd.	Armed Suspect	Deployed
3/18/2024	UAS	Heather Point	Missing Juvenile	Deployed
3/20/2024	Bomb IC/ Bomb Robot	Training	Training	Training

3/22/2024	UAS	Highway 9	Wanted Person search	Deployed
3/28/2024	UAS	Soquel Dr.	Search for burglary suspect	Deployed
4/3/2024	UAS/ UAS Vehicle/ Bomb IC/ Bomb Robot	Boulder Creek	Bomb Threat	Deployed
4/3/2024	Bomb IC/ Bomb Robot	Training	Training	Training
4/4/2024	Less Lethal Shotgun	Lotman Dr.	Armed Subject	Displayed
4/5/2024	AR-10 Rifle/ AR-10 Ammunition	Training	Training	Training
4/13/2024	UAS/ UAS Vehicle	Forest Dr.	Burglary Suspect search	Deployed
4/17/2024	Bomb IC/ Bomb Robot	Training	Training	Training
4/18/2024	Armored Van/ Avitar Robot	Training	Training	Training
4/19/2024	UAS	Freedom Blvd.	Burglary Suspect search	Deployed
4/22/2024	PepperBall	259 Water St.	Physically Resistive Inmate	Indirect Deployment
4/23/2024	AR-10 Rifle/ AR-10 Ammunition	Training	Training	Training
4/25/2024	1998 SAR Command Vehicle	Training	Training	Training
4/27/2024	1998 SAR Command Vehicle	Training	Training	Training
5/1/2024	Bomb IC/ Bomb Robot	Training	Training	Training
5/3/2024	UAS	Migues Mountain Rd.	Suicidal Subject	Deployed
5/12/2024	Pepperball/ Less Lethal shotgun	Trout Gulch	Occupied Stolen vehicle	Displayed
5/12/2024	UAS	San Andreas Rd.	Burglary Suspects	Deployed
5/16/2024	Bomb IC/ Bomb Robot	Training	Training	Training
5/18/2024	UAS	Scotts Valley Dr.	Barricaded subject	Deployed
5/22/2024	1998 SAR Truck/ 2022 SAR Truck	UCSC	Missing Person	Deployed
5/22/2024	UAS	Santa Cruz	Suspect Surveillance	Deployed
5/24/2024	AR-10 Rifle/ AR-10 Ammunition	Training	Training	Training
5/24/2024	UAS	Hanger Way	Burglary Suspect	Deployed
5/26/2024	UAS	Las Olas Dr.	Missing Person	Deployed
5/28/2024	UAS	Flynn Rd. Hollister	Escaped inmate	Deployed
6/1/2024	UAS/ Less Lethal Shotgun	Scotts Valley	Violent pursuit suspect	Deployed
6/5/2024	Bomb IC/ Bomb Robot	Training	Training	Training
6/8/2024	UAS	Panther Beach	Ocean rescue	Deployed
6/10/2024	UAS	River St.	Sexual Assault suspect search	Deployed
6/15/2024	UAS	Soquel	Suicidal Subject at park	Deployed

6/16/2024	UAS	New Brighton	Missing Juvenile	Deployed
6/17/2024	UAS/ 2022 SAR Truck	Boulder Creek	Missing person	Deployed
6/19/2024	Bomb IC/ Bomb Robot	Training	Training	Training
6/20/2024	UAS	Braemoor Rd.	Person calling for help in the woods	Deployed
6/20/2024	2022 SAR Truck	Training	Training	Training
6/21/2024	UAS	Stewart Ave.	Subject with a gun	Deployed
6/24/2024	Pepperball	Clubhouse Dr.	Pursuit with threats suspect	Displayed
6/28/2024	Less Lethal Shotgun	Cunnison Lane	Vehicle pursuit	Displayed
6/28/2024	AR-10 Rifle/ AR-10 Ammunition	Training	Training	Training
7/3/2024	Bomb IC/ Bomb Robot	Training	Training	Training
7/5/2024	UAS	Water Rescue	Live Oak	Deployed
7/6/2024	UAS	Missing Juvenile	Manresa Beach	Deployed
7/2/2024	Less Lethal shotgun	E. Ledyard Way	Occupied Burglary	Displayed
7/10/2024	UAS	Walker St.	Narcotics Investigation	Deployed
7/10/2024	UAS/ UAS Vehicle	Walker St.	Narcotics Investigation	Deployed
7/11/2024	UAS	Coral St.	Narcotics Investigation	Deployed
7/11/2024	UAS	Pogonip Park	Narcotics Investigation	Deployed
7/17/2024	Pepperball	259 Water St. St.	Violent Incarcerated Person	Deployed
7/23/2024	Tear Gas	Training	Training	Training
7/23/2024	UAS	Soquel Dr.	Barricaded Person	Deployed
7/24/2024	UAS	Barker Court	Suspect Search	Deployed
7/28/2024	Armored Van	Portola Dr.	Wharf to Wharf	Deployed
8/1/2024	Less Lethal Shotgun	Felton	Assault Suspect	Displayed
8/6/2024	Pepperball	259 Water St. St.	Assaultive Incarcerated Person	Deployed
8/8/2024	UAS	Davenport Beach	Robbery Suspect search	Deployed
8/10/2024	UAS	Soquel Dr.	Suspect search	Deployed
8/11/2024	UAS/ UAS Vehicle	Favre Ridge	Missing Person search	Deployed
8/15/2024	UAS	Verde Dr.	Missing Person search	Deployed
8/30/2024	UAS	Davenport Beach	Water Rescue	Deployed
9/1/2024	UAS	Scott Creek Beach	Missing Person	Deployed
9/4/2024	Bomb IC/ Bomb Robot	Training	Training	Training
9/10/2024	UAS	Pleasant Valley	Robbery Suspect search	Deployed
9/11/2024	Incident Command Van	Fairgrounds	IC for Fair	Deployed

9/18/2024	Bomb IC/ Bomb Robot	Training	Training	Training
9/19/2024	UAS	Sunset Beach	Missing Person	Deployed
9/20/2024	UAS	Pajaro Bridge	Wanted suspect search	Deployed
9/21/2024	Less Lethal/ UAS	Lee Rd.	Stolen vehicle pursuit	Deployed
9/21/2024	Less Lethal	Newell Creek	Disturbance involving a firearm	Displayed
10/2/2024	Armored Van/ UAS	Sequoia Dr.	High risk search warrant	Deployed
10/2/2024	Bomb IC/ Bomb Robot	Training	Training	Training
10/4/2024	UAS	Carlton Rd.	Search Warrant service	Deployed
10/14/2024	UAS	Prospect Heights	Wildland Fire	Deployed
10/14/2024	Pepperball	259 Water St.	Violent Incarcerated person	Deployed
10/15/2024	Stingballs (Flashbangs)	Rountree Facility	Training	Training
10/16/2024	Bomb IC/ Bomb Robot	Training	Training	Training
10/21/2024	2022 SAR Command Vehicle	Aptos	Missing Person	Deployed
10/25/2024	Armored Van	5200 Soquel	Trunk Or Treat	Deployed
10/26/2024	2022 SAR Command Vehicle	Training	Training	Training
10/26/2024	UAS	Greyhound Rock Beach	Deceased body located	Deployed
10/28/2024	UAS	Arana Gulch	Robbery suspect search	Deployed
10/29/2024	Less Lethal	Boulder Creek	Subject smashing windows	Displayed
10/30/2024	Pepperball/ Less Lethal	Elkhorn Dr.	Vehicle Pursuit	Displayed
11/6/2024	UAS Vehicle/ UAS/ 2022 SAR Command Vehicle	Eureka Canyon	Missing Person	Deployed
11/8/2024	AR-10 Rifle/ AR-10 Ammunition	Training	Training	Training
11/11/2024	UAS Vehicle/UAS	Chaminade Lane	Missing Person	Deployed
11/20/2024	Bomb IC/ Bomb Robot	Training	Training	Training
11/27/2024	Bomb IC/ Bomb Robot	Training	Training	Training
12/2/2024	UAS	Capitola Rd.	Reported Armed Subject	Deployed
12/10/2024	UAS/ Mobile Substation	Davenport Beach	Armed suspect search	Deployed
12/16/2024	Less Lethal	Pasatiempo	Barricaded suspect	Displayed
12/17/2024	Bomb IC/ Bomb Robot	Training	Training	Training
12/18/2024	UAS	Highland Dr.	Search Warrant service	Deployed
12/19/2024	UAS	San Martin	Search Warrant service	Deployed
12/22/2024	2022 SAR Command Vehicle	Ben Lomond	Missing Person	Deployed

12/23/2024	UAS	East Cliff Dr.	Wharf Failure	Deployed
12/23/2024	UAS	Seabright Beach	Storm Response	Deployed
12/31/2024	UAS	East Cliff Dr.	Storm evaluation	Deployed

SUMMARY OF COMPLAINTS:

There have been no formal complaints received by the Sheriff's Office or the Santa Cruz County Office of Inspector General regarding our usage of military equipment.

The Sheriff's Office did document public concerns that were verbalized during the Sheriff's Office's presentation of the 2023 annual report. These matters/concerns were presented by members of the community at the AB 481 Santa Cruz County Board of Supervisor's meeting in addition to the Sheriff's Office public meeting relating to AB 481. The public concerns were summarized as the following:

- The lack of AR-15 rifles in the military equipment inventory.
- A request to hold the AB 481 public meeting in a virtual method to allow greater participation.

The Sheriff's Office provides an accessible and user-friendly method for community members to file complaints via our website. Interested individuals can find the complaint form by visiting www.scsheriff.com, navigating to the "I Need To" section, and selecting "Forms and Documents."

The Sheriff's Office will investigate all complaints received and will respond to concerns or questions relating to our Military Equipment Policy. The Sheriff's Office will provide a timely response regarding the finding of the investigation or answers to the questions, and will work to do so within 30 days of completing the investigation and/or receipt of the questions.

RESULTS OF INTERNAL AUDITS:

The Santa Cruz County Sheriff's Office places great emphasis on maintaining the highest standards of readiness and preparedness relating to our designated military equipment. To ensure the equipment is in good condition and ready to be deployed at a moment's notice, the Sheriff's Office conducts regular audits. In addition to assessing the equipment's condition, the Sheriff's Office also carefully tracks deployments. Deployments of military equipment are now presented to the public monthly in the publicly released statistical report. Additionally, each use of military equipment is reviewed by the Sheriff's Office management group.

The results of the Sheriff's Office internal audits showed the Sheriff's Office's military equipment to be in good working condition. We continuously evaluated all of our equipment and decommissioned those items that were deemed no longer serviceable by our Agency.

The Sheriff's Office's internal audits found no violations of its military equipment use policy.

MILITARY EQUIPMENT COST AND DATA:

Robots (Category 1)

Description, quantity, capabilities, and purchase cost:

AVITAR II by Robotex- Cost \$24,250 each, quantity: 2. The AVITAR II is a heavy-duty robot. It is controlled by remote operation with a camera attachment. It can climb stairs, equipped with a control arm capable of picking up items. The AVITAR II also offers an audio communication option, a chassis and manipulator that allow for accessories and tool combinations. Robot batteries allow for approximately 3.5 hours of drive time.

Remote lasts for about 6 hours.

Purpose:

The primary use of this robot is to remotely gain visual/audio data, deliver the Hostage Negotiator Team's (HNT) phone, open doors, and clear buildings.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law. The AVITAR II will only be operated by staff trained in the safe operation of the device.

Expected Lifespan:

10-15 years

Fiscal Impact:

2 hours of personnel use and training occurred during 2024 resulting in an estimated staff expense of \$123. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025. Otherwise, the Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All robot operators must complete Sheriff's Office training on operating the AVITAR II. Operators must demonstrate the ability to operate it safely and effectively. Operators are designated by the Sheriff's Office to operate the robot in critical incident situations. In instances where it is used for Bomb Team response, all robot operators must complete the 6-week FBI-Hazardous Device school training prior to operating.

Legal and Procedural Rules:

It is the policy of this agency to utilize a robot only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law.

Robots (Category 1)

Description, quantity, capabilities, and purchase cost:

REMOTEC ANDROS F6A- Cost \$250,000, quantity: 1. The REMOTEC ANDROS F6A is a medium-sized robot. The robot is capable of being deployed remotely and offers various capabilities; stair climbing ability, arm manipulation and deployment of remote tools. The REMOTEC F6A also offers the ability for 2-way communications, a chassis and manipulator that allow for additional accessories and tool combinations. The drive chassis is track driven with quick-release pneumatic wheels for size reduction.

Purpose:

The primary use of this robot is to disrupt packages. It may also be used to remotely gain visual/audio data, deliver HNT phone, open doors, and clear buildings.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law. Only assigned deputies who have completed the required training shall be permitted to operate the REMOTEC ANDROS F6A.

Expected Lifespan:

10-15 years

Fiscal Impact:

69.6 hours of personnel use and training time occurred during 2024 resulting in an estimated staff expense of \$4,274.25. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

The Sheriff's Office spent \$3,094 maintaining the REMOTEC ANDROS in 2024 which was paid using the Santa Cruz County Sheriff's Office general budget.

Otherwise, the Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All robot operators for REMOTEC ANDROS F6A must complete the 6-week FBI-Hazardous Device school training prior to operating.

Legal and Procedural Rules:

It is the policy of this agency to utilize a robot only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law.

Unmanned Aerial Vehicles (Category 1)

Description, quantity, capabilities, and purchase cost:

Unmanned Aircraft Systems (UAS): Unmanned aircraft along with accessories and associated equipment to control it remotely.

Models in Use:

- DJI MAVIC 3- Cost: \$3,500 each, quantity: 2. Multipurpose UAS with 28x digital zoom and extended flight time. Weighs 895g with approximately 45 minutes of flight time.
- DJI MAVIC 3 Enterprise- Cost: \$3,500 each, quantity: 2. Multipurpose UAS with 56x digital zoom and extended flight time. Weighs 895g with approximately 45 minutes of flight time.
- DJI Mavic 2 Enterprise (Dual & Zoom)- Cost \$1,500 to \$3,000 each, quantity: 8. UAS with a secondary camera for either infrared light or 2x Optical Zoom. Capable of attaching an audible loudspeaker and/or spotlight. Weighs 899g with approximately 25-30 minutes of flight time.
- DJI Matrice 210- Cost approximately \$30,000, quantity: 1. Large UAS with dual cameras, including a professional-grade infrared camera and 30x optical zoom lens. Weighs approximately 13.5lbs with 25-30 minutes of flight time.
- Matrice M30 Thermal- Cost \$17,065, quantity 1: Enterprise UAS with infrared and 200x digital zoom capabilities. Capable of attaching an audible loudspeaker and spotlight. Ability to fly in inclement weather. Weighs 3.95kg with approximately 40 minutes of flight time.
- Mavic 3 Thermal Cost \$5,998, quantity 2: UAS with infrared and 56x digital zoom capabilities. Capable of attaching an audible loudspeaker and spotlight. Weighs 920g with approximately 45 minutes of flight time.
- DJI Avata (2 in 2024)- Cost \$999.00, quantity 3: Light weight UAS. Uses a singular camera designed for first-person visualization. Weighs 410g with approximately 15 minutes of flight time.

- DJI AIR 3 (3 in 2024)- Cost \$1,549, quantity 3: Light weight UAS. Uses a singular camera designed for first-person visualization. Weighs 410g with approximately 25 minutes of flight time.

Purpose:

- To be deployed when its view would assist officers or incident commanders with the following situations, which include but are not limited to:
 - Major collision investigations
 - Search for missing persons
 - Natural disaster management
 - Crime scene photography
 - SWAT, tactical or other public safety and life preservation missions
 - In response to specific requests from local, state, or federal fire authorities for other incidents such as, but not limited, fire response and/or prevention.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Authorized uses of the UAS include, but not limited to:

- Response to a public safety emergency
- Search and Rescue
- Investigating suspicious or explosive devices
- Natural disaster response and management
- Crime scene documentation
- Recovery of decedent
- Qualifying law enforcement mutual aid

Expected Lifespan:

3-5 years

Fiscal Impact:

332.5 hours of personnel flight time during 2024 resulting in an estimated staff expense of \$20,448.75. These staff hours and equipment items were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025. The Sheriff's Office spent \$6,645 to purchase UAS devices in 2024. This purchase was paid using the Santa Cruz County Sheriff's Office general budget.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All Sheriff's Office UAS pilots must obtain a FAA Part 107 (Remote Pilot) license before allowed to operate a UAS. The Sheriff's Office facilitates approximately 8 hours of ongoing monthly training for UAS pilots.

Legal and Procedural Rules:

Use is established under Sheriff's Office Policy 606 and FAA Regulation 14 CFR Part 107. It is the policy of this agency to utilize UAS only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law.

Armored Personnel Carrier, vehicle with entry apparatus attached (Category 2 & 3)

Description, quantity, capabilities, and purchase cost:

LENCO BEARCAT- Cost: Approx. \$315,000, quantity: 1. The LENCO BEARCAT is an armored vehicle that seats 10-12 personnel with an open floor plan that allows for rescue of down personnel. It can stop various projectiles, which provide greater safety to citizens and officers beyond the protection level of shield and personal body armor. The LENCO BEARCAT is not maintained by the Sheriff's Office but is a regional asset in the possession of the Santa Cruz Police Department. The Bearcat is requested during Sheriff's Office operations that are deemed high risk to safely transport and protect deputies and citizens. The Santa Cruz Police ESU team supplies two officers to drive the BEARCAT. The BEARCAT can also utilize an attachment on the front (ram) for breaching doors.

Purpose:

To be used in response to critical incidents regionally to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The request for use of the BEARCAT shall only be authorized by a watch commander or above pursuant to Sheriff's Office Policy 325. This request will be based upon the specific circumstances of a given critical incident. Santa Cruz Police will approve or deny the request in accordance with their policy.

Expected Lifespan:

25 years

Fiscal Impact:

The Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs to Santa Cruz County.

Training:

There is no required training for this item as Santa Cruz Police Department provides designated vehicle operators.

Legal and Procedural Rules:

The request for use of the BEARCAT shall only be authorized by a watch commander pursuant to Sheriff's Office Policy 325. Santa Cruz Police will approve or deny the request in accordance with their policy.

It is the policy of this agency to utilize the BEARCAT only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law.

Armored Personnel Carrier (Category 2 & 3)

Description, quantity, capabilities, and purchase cost:

2019 Ford Transit Van (S4X) T-350HD EL Hi Rf 10360 GVWR w/Armored Group Upfit-Cost, \$124,697.70, quantity: 1. The armored Ford Transit is an armored vehicle that seats 15 personnel with an open floor plan that allows for rescue of down personnel. The Ford Transit's armor can stop various projectiles, which provides greater safety to citizens and officers beyond the protection level of shield and personal body armor. The Ford Transit is equipped with emergency lighting equipment while maintaining a low profile being unmarked.

Purpose:

To be used in response to critical incidents to enhance officer and community safety, improve scene containment and stabilization, and assist in resolving critical incidents.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The use of armored vehicles shall only be authorized by a watch commander or above, 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.

Expected Lifespan:

10 years

Fiscal Impact:

Approximately 17 hours of personnel driving and training during 2024 resulting in an estimated staff expense of \$1,045.50. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All drivers/operators shall receive training in the safe handling of the vehicle.

Legal and Procedural Rules:

It is the policy of this agency to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.

Command and Control Vehicles (Category 5)

Description, quantity, capabilities, and purchase cost:

UAS Vehicles- Cost \$5,330 each, quantity:2. UAS Vehicles are repurposed patrol vehicles that have been outfitted with Drone Responder 7 cabinets. The cabinets contain drone equipment, a large monitor, inverter, heavy duty table extension and numerous power outlets. The vehicles are used during regular patrol for an expedited response from the UAS team.

Purpose:

The UAS Vehicle is commonly utilized during routine patrol, UAS missions, and training.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Authorized uses of the UAS include, but not limited to:

- Response to a public safety emergency
- Search and Rescue
- Investigating suspicious or explosive devices
- Natural disaster response and management
- Crime scene documentation
- Recovery of decedent
- Qualifying law enforcement mutual aid

Expected Lifespan:

No expiration dates.

Fiscal Impact:

Approximately 15.5 hours of personnel driving and training during 2024 resulting in an estimated staff expense of \$953.25. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

The Sheriff's Office spent \$16,737 maintaining the Command Vehicle in 2024 which was paid using the Santa Cruz County Sheriff's Office general budget.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All Sheriff's Office UAS pilots must obtain an FAA Part 107 (Remote Pilot) license before being allowed to operate a UAS. The Sheriff's Office facilitates approximately 8 hours of ongoing monthly training for UAS pilots. They receive training specifically to this vehicle once a year.

Legal and Procedural Rules:

Use is established under Sheriff's Office Policy 606 and FAA Regulation 14 CFR Part 107. It is the policy of this agency to utilize UAS only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law.

Command and Control Vehicles (Category 5)

Description, quantity, capabilities, and purchase cost:

Mobile Substation-Ram Pro Master Van- Cost \$37,439.36, quantity: 1. The Ram Pro Master mobile substation contains a finished interior, desk, mobile data computer, police radio, wi-fi hotspot, large-screen monitor and A/C power inverter.

Purpose:

The Mobile Substation may be used by personnel from any division in the Operations Bureau. Examples of possible uses to support operations include hostage negotiations, large scale command posts, community events, and in-field criminal investigations.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The Mobile Substation may be used with the approval of the on-duty Watch Commander.

Expected Lifespan:

15 years

Fiscal Impact:

Approximately 43 hours of personnel driving time during 2024 resulting in an estimated staff expense of \$2,644.50. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

All drivers/operators shall receive training in the safe handling of the vehicle.

Legal and Procedural Rules:

It is the policy of this agency to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.

Command and Control Vehicles (Category 5)

Description, quantity, capabilities, and purchase cost:

INCIDENT COMMAND VEHICLE- Cost \$23,872, quantity: 1. (In the process of being decommissioned in 2025) The Incident Command Vehicle is a 1998 GMC G3500 cargo box truck. The Incident Command Vehicle is the incident command post for Search and Rescue deployments and other critical incidents that require a command post in the field. It allows for mission planning of locations that need to be searched and an ability to print out documents to give to the searchers. It allows for a joint command among all agencies involved in search efforts.

Purpose:

The Incident Command vehicle is primarily used as a staging point, document and planning preparation location, and overall command and control hub for Search and Rescue efforts and other large-scale incidents.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The Command Vehicle is utilized to provide support when authorized by a supervisor for incidents where a Command Post is needed.

Expected Lifespan:

20 years

Fiscal Impact:

Approximately 21 hours of personnel driving and training time during 2024 resulting in an estimated staff expense of \$1,291.50. These staff hours were paid using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any other ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

All drivers/operators shall receive training in the safe handling of the vehicle.

Legal and Procedural Rules:

It is the policy of this agency to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.

Command and Control Vehicles (Category 5)

Description, quantity, capabilities, and purchase cost:

INCIDENT COMMAND VEHICLE- Cost \$75,622.14, quantity: 1. The Incident Command Vehicle is a 2022 Ford E-450. The Incident Command Vehicle is the incident command post for Search and Rescue deployments and other critical incidents that require a Command Post in the field. It allows for mission planning of locations that need to be searched and an ability to print out documents to give to the searchers. It allows for a joint command among all agencies involved in search efforts.

Purpose:

The Incident Command Vehicle is primarily used as a staging point, document and planning preparation location, and overall command and control hub for Search and Rescue efforts and other large-scale incidents.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The Command Vehicle is utilized to provide support when authorized by a supervisor for incidents where a Command Post is needed.

Expected Lifespan:

20 years

Fiscal Impact:

This vehicle was purchased using Bay Area UASI funds with no expense to Santa Cruz County.

Approximately 30 hours of personnel driving and training time during 2024 resulting in an estimated staff expense of \$1,845.00. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2024.

The Sheriff's Office spent \$12,354.21 upgrading the Command Vehicle in 2024 which was paid using the Santa Cruz County Sheriff's Office general budget.

Otherwise, the Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All drivers/operators shall receive training in the safe handling of the vehicle.

Legal and Procedural Rules:

It is the policy of this agency to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles.

Command and Control Vehicles (Category 5)

Description, quantity, capabilities, and purchase cost:

2003 Bomb Squad Primary Response Vehicle- Cost \$150,000 quantity:1. The Bomb Squad Primary response vehicle is a custom built 18' utility box truck with custom specifications for storage and practical design. The vehicle can carry mission essential remote tools, protective equipment, explosives, and a variety of other miscellaneous items required by the FBI Hazardous Device School. The vehicle provides operators with an enclosed area to remotely respond to suspicious circumstances as well as provide a space to store assigned equipment.

Purpose:

To be used to provide a means of storage of equipment assigned to the Bomb Squad as well as transportation and response to critical incidents or other suspicious circumstances requiring Bomb Squad team members' participation.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Only assigned Bomb Squad team members are permitted to operate the Primary response vehicle.

Expected Lifespan:

10-15 years

Fiscal Impact:

Approximately 93.5 hours of personnel driving time during 2024 resulting in an estimated staff expense of \$5,750.25. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training:

All drivers/operators on the Bomb Team shall receive training in the safe handling of the vehicle during internal team training.

Legal and Procedural Rules:

It is the policy of this agency to use the vehicle only for official law enforcement purposes, and in accordance with California State law regarding the operation of motor vehicles and Sheriff's Policy 342.

Ammunition (Equipment Category 9)

Description, quantity, capabilities, and purchase cost:

The Sheriff's Office SWAT team utilizes the following rounds for the Armament Systems AR-10 .308 precision rifle:

- FEDERAL GOLD MEDAL Sierra MatchKing .308 168GR RIFLE ROUND- Cost \$34.50 per box, quantity: 175 boxes (20 round per box). The Federal Gold Medal Sierra MatchKing .308 Winchester ammunition is used for training purposes only.
- FEDERAL T308T.308 168GR RIFLE ROUND - Cost \$21.50 per box, quantity: 125 boxes (20 rounds per box). The T308T is the primary duty round used in the AR-10.

Purpose:

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

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The procedural rule for ammunition is listed in Sheriff's Office Policy 305.3

Expected Lifespan:

No expiration dates.

Fiscal Impact:

The Sheriff's Office did not purchase any additional .308 ammunition during 2024. Approximately 65 hours of personnel training during 2024 resulting in an estimated staff expense of \$3,997.50. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification annually.

Legal and Procedural Rules

Use is established under Sheriff's Office Policy 305. It is the policy of this agency to utilize rifles only for official law enforcement purposes, and pursuant to State and Federal law regarding the use of force.

Specialized Firearms (Equipment Category 10)

Description, quantity, capabilities, and purchase cost:

Armament Systems AR-10 .308 precision rifle- Cost \$10,000, quantity: 3. The rifle is a semiautomatic centerfire rifle that accepts a detachable magazine, chambered in .308.

Purpose:

To be used as precision weapons to address a threat with more accuracy and/or from greater distances than a handgun or standard patrol rifle, if present and feasible.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Only deputies who have completed a 48-hour POST certified training regarding the use of this weapon will be issued this rifle. Additionally, they must qualify with this rifle twice per year and train monthly for 8 hours.

Expected Lifespan:

15 years

Fiscal Impact:

Approximately 65 hours of personnel training during 2024 resulting in an estimated staff expense of \$3,997.50. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification twice per year.

Legal and Procedural Rules

Use is established under Sheriff's Office Policy 305. It is the policy of this agency to utilize rifles only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

Firearms or Firearm Accessory (Category 11)

Description, quantity, capabilities, and purchase cost:

Combined Systems LC5 5 Series Launching Cup- Cost \$175.00 per cup, quantity: 2. These are cups that attach to 12 gauge less lethal shotgun which allows officers to launch canisters of chemical agents or smoke. The LC5 Launching Cups are designed for the 5200 series canisters.

Purpose:

The escalation of conflict where utilization of lethal force is prohibited or undesirable.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Deputies utilizing the launching cups are trained in their use by POST certified chemical agent instructors. Chemical agents will only be deployed with the approval of a Tactical Commander or designee.

Expected Lifespan:

25 years

Fiscal Impact:

The Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Deputies utilizing the launching cups are trained in their use by POST certified chemical agent instructors.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 302.6. It is the policy of this agency to utilize chemical agents only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

Firearms or Firearm Accessory (Category 11)

Description, quantity, capabilities, and purchase cost:

Armor Holdings 40 MM Launchers- Cost \$1,000, quantity: 4. 40MM launchers are a single shot break-open frame launcher with a fixed stock. These launchers are used to launch chemical agent projectiles to resolve critical incidents involving barricaded people.

Purpose:

The launcher is used to launch chemical agent projectiles during high-risk incidents to resolve the conflict with less lethal measures. The projectiles can be used to break windows so chemical agents can be deployed. The launchers are used by the SWAT Team.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Deputies utilizing the 40mm launcher are trained in their use by POST certified chemical agent instructors.

Expected Lifespan:

25 years

Fiscal Impact:

The Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Deputies utilizing the 40mm launchers are trained in their use by POST certified chemical agent instructors annually.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 302.6. It is the policy of this agency to utilize 40mm launchers only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

Flashbangs (Category 12)

Description, quantity, capabilities, and purchase cost:

A Noise Flash Diversionary Devices (NFDD) is a device that creates a bright flash and loud sound to temporarily divert the attention of subjects in the immediate area. NFDD are used to distract and temporarily incapacitate dangerous suspects by overwhelming their senses of vision and hearing. The distraction allows officers to seize a moment of opportunity to take control of high-risk situations.

- Combine Tactical Systems 7290- Cost \$47.60 each, quantity: 8. The 7290 produces a 175db and 6-8 million candelas 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.
- Combine Tactical Systems 7290M MINI- Cost \$43.50, quantity: 22. The 7290M exhibits all the same attributes as its larger counterpart but in a smaller and lighter package. It has the same 175db output as the 7290 and produces 6-8 million candelas of light.
- Combine Tactical Systems 9590 Stingball- Cost \$47.52, quantity: 122. Nonirritant sting ball grenade. Multi-effect grenades with a loud blast, bright flash, and dispersion of stinging .31 caliber pellets.

Purpose:

- NFDD 7290-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 deputies a tactical advantage.

- NFDD 7290M-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 deputies a tactical advantage.
- NFDD 9590-To be used as a less lethal measure to gain compliance during high-risk operations.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Diversionary Devices and Stingball grenades shall only be used:

- By SWAT or CERT officers who have been trained in their proper use
- In hostage and barricaded subject situations
- In high-risk warrant (search/arrest) services where there may be extreme hazards to deputies
- During other high-risk situations where their use would enhance officer safety
- During training exercises

Expected Lifespan:

NFDD 7290 - 5 years

NFDD 7290M-5 years

NFDD 9590 - 5 years

Fiscal Impact:

Approximately 100 hours of personnel training time during 2024 resulting in an estimated staff expense of \$6,150.00. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

The Sheriff's Office spent \$3,771.28 to purchase 60 Stingball devices in 2024. This purchase was paid for using the Santa Cruz County Sheriff's Office general budget.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Deputies utilizing the NFDDs and/or Stingballs are trained in their use by POST.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 300.3. It is the policy of this agency to utilize these devices only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

Tear Gas (Category 12)

Description, quantity, capabilities, and purchase cost:

Chemical agent munitions, which are commonly referred to as "tear gas," are used by the Santa Cruz County Sheriff's Office as a non-lethal tool to disperse rioting suspects and on barricaded suspects. This agency uses chemical agents which are used by law enforcement across the United States: CS (2-Chlorobenzylidenemalononitrile) and OC (Oleoresin Capsicum). CS is an irritating agent and lachrymator (irritates the eyes and causes tears to flow). OC is an inflammatory agent which causes involuntary closure of eyes (open in 2-5 minutes) and respiratory inflammation (subsides in approximately 2 minutes).

- CTS Smoke Baffled Canister Grenade #5210B- Cost \$38.43, quantity: 2. The Combined Systems Technology Baffled Smoke (Model #5210B) is a pyrotechnic grenade with low flame potential designed for concealment or as a signaling device. It can be hand thrown or launched.
- CTS White Smoke Grenade #6210- Cost \$33.72, quantity: 16. Combined Systems Technology Outdoor White Smoke Grenade (Model #6210) is a large diameter burning grenade that discharges a high volume of smoke through multiple emission ports.
- CTS CS Smoke Tactical Grenade #8230- Cost \$19.52, quantity: 34. The Combined Systems Technology Outdoor Tactical Grenade CS (Model #8230) is a small diameter burning grenade that discharges a high volume of smoke and chemical agent through multiple emission ports.
- CTS 40mm Liquid CS Projectile #4330- Cost \$20.23, quantity: 43. The Combined Systems Technology 40 MM CS Indoor Liquid Barricade Round (Model #4330) is a liquid filled, non-burning, spin-stabilized round designed to penetrate intermediate barriers of moderate density such as windows, interior dry wall, and interior doors. The projectile breaks upon impact and delivers an

agent payload of liquid throughout the target area. It is approximately 4.8 inches tall and is made of plastic composite. It has a maximum effective range of 50 yards.

- CTS CS Baffled Grenade #5230B- Cost \$32.70, quantity: 25: The Combined Systems Technology Baffled Riot CS Smoke (Model #5230B) is a pyrotechnic grenade designed for indoor use delivering a maximum amount of irritant smoke throughout multiple rooms with minimal risk of fire. It can be hand thrown or launched.
- CTS CS Vapor Grenade #6330- Cost \$33.88, quantity: 19. The Combined Systems Technology CS Vapor Grenade (Model #6330) is an invisible vapor that renders an intense respiratory effect.
- CTS CS Flameless Expulsion Canister Grenade #5430- Cost \$37.35, quantity: 20. The Combined Systems Technology CS Flameless Expulsion Canister Grenade (model #5430) is a non-pyrotechnic flameless grenade posing no risk of fire and discharging a large powder payload instantaneously through 2 different emission ports.
- SABRE RED MK-9 H2O GEL 16 OZ- Cost \$60.00 each, quantity: 4. The MK-9 is intended for use in crowd management by correctional officers. This 1.3% MC OC aerosol product utilizes a stream delivery method providing a target-specific, strong concentrated stream between 25-30 feet. It is non-flammable and uses a water-based spray.
- Sabre Red OC MK-9 Cell Buster Spray 18.5 OZ- Cost \$84.95 each, quantity: 1. The Sabre Cell Buster hose and wand allows correctional officers to breach the interior of a cell door and deploy OC without opening the cell door. Each Sabre Cell Buster is equipped with an 18.5 oz OC canister, a hose, and wand attachment. It has a range of 12-15 feet.

Purpose:

To limit the escalation of conflict where utilization of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include, but are not limited to:

- Self-destructive, dangerous and/or combative individuals
- Riot/crowd control and civil unrest incidents
- Circumstances where a tactical advantage can be obtained
- Potentially vicious animals

- Training exercises or approved demonstrations

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

Only officers who have received POST certification in the use of chemical agents are authorized to use them.

Expected Lifespan:

Each of the items described has a life expectancy of 5 years.

Fiscal Impact:

Approximately 40 hours of personnel training during 2024 resulting in an estimated staff expense of \$2,460. These staff hours were paid for using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2025.

Otherwise, the Sheriff's Office is not aware of any ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Deputies utilizing chemical agents are trained in their use by POST certified instructors.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 302.6. It is the policy of this agency to utilize chemical agents only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

PepperBall Launcher (Category 12)

Description, quantity, capabilities, and purchase cost:

- TAC-SF Launcher- Cost \$849.00 each, quantity: 4. (Decommissioned in 2024)
System that uses high pressure air to deliver powder projectiles (similar to a paint ball delivery system). It is a non-lethal option to deliver chemical agents and kinetic energy impacts to subjects in a potentially violent encounter.
- TAC-VKS PRO Launcher- Cost \$1,350 each, quantity: 5 (New in 2024). System that uses high pressure air to deliver powder projectiles (similar to a paint ball

delivery system). It is a non-lethal option to deliver chemical agents and kinetic energy impacts to subjects in a potentially violent encounter

- PepperBall TAC-SA Launcher- Cost \$734.45 each, quantity:12. The TAC-SA Launcher is a compressed-air powered launcher designed to fire non-lethal PepperBall projectiles (similar to a paint ball delivery system). It is a non-lethal option to deliver chemical agents and kinetic energy impacts to subjects in a potentially violent encounter. It comes with an electronic hopper that can hold 180 projectiles.
- PepperBall INERT- Cost (\$2124.31 in 2024) quantity: 8 canisters (375 per canister). These rounds contain a harmless, scented powder. This projectile is best suited for training, qualification, and direct impact when chemical exposure is not desired.
- PepperBall LIVE-X OC PROJECTILE- Cost \$1,049, quantity: 4 canisters (375 per canister): The LIVE-X projectile contains 5% PAVA pepper powder, and is designed for direct impact and area saturation, especially in confined interior spaces. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-350 FPS. The projectile has a direct impact of 60ft and an area of saturation of 150+ft.
- PepperBall INERT PROJECTILE- Cost \$251.00 each, quantity: 9 canisters (375 per canister). These rounds contain a harmless, scented powder. This projectile is best suited for training, qualification, and direct impact when chemical exposure is not desired.
- PepperBall LIVE-MAXX OC PROJECTILE- Cost \$1,944 each, quantity: 3 canisters (375 per canister). The LIVE-MAXX projectile contains PAVA pepper powder, and is designed for direct impact and area saturation, especially in confined, interior spaces. Discharged from a PepperBall Launcher, the projectile has a velocity of 280-425 FPS. The projectile has a direct impact of 150ft and an area of saturation of 390+ft.

Purpose:

To limit the escalation of conflict where utilization of lethal force is prohibited or undesirable. Situations for use of the less lethal weapon systems may include but are not limited to:

- Self-destructive, dangerous and/or combative individuals
- Riot/crowd control

- Circumstances where a tactical advantage can be obtained

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law. The procedural use of PepperBall Launchers is listed under Sheriff's Office Policy 302.

Only those who have been trained in the use of PepperBall launchers are authorized to use the PepperBall launchers.

Expected Lifespan:

TAC-SF Launcher: No expiration date

TAC-SA Launcher: No expiration date

Inert Projectile: 3 years

Live-X Projectile: 3 years

Inert Projectile: 3 years

Live-MAXX Projectile: 3 years

Fiscal Impact:

Approximately 294 hours of personnel training during 2024 resulting in an estimated staff expense of \$18,081. These staff hours and equipment expenses were paid using the Santa Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2024.

The Sheriff's Office spent \$2,124.41 to purchase PepperBall projectiles in 2024. The Sheriff's Office also spent \$7,374.38 to purchase PepperBall launchers in 2024. This purchase was paid for using the Santa Cruz County Sheriff's Office general budget.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Correctional Officers and deputies utilizing Pepperball launchers are trained in their use by POST certified less lethal and/or chemical agent instructors on an annual basis.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 302. It is the policy of this agency to utilize PepperBall launchers only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

Projectile Launch platforms and associated munitions (Category 14)

Description, quantity, capabilities, and purchase cost:

- Remington 870 less lethal shotgun- Cost: \$946.00 per shotgun, quantity: 56. The Remington 870 less lethal shotgun is used to deploy the less lethal beanbag round up to 75 feet. The range of the weapon systems helps maintain space between deputies and a suspect reducing the immediacy of the threat which is a principle of de-escalation.
- BEANBAG ROUNDS-Cost: \$25.00 per box, quantity: 499 boxes (5 rounds per box). The less lethal shotgun ammunition issued is either the 12-gauge CTS Super-sock bean bag shotgun shell or the 12-gauge Safariland drag stabilized round. Both are comparable in use and effectiveness. They can be used interchangeably. Both rounds are for use in the 12 gauge less lethal shotguns. They both have 40 grams of lead shot inside of a bag made of ballistic fiber which is packed inside of a shotgun shell.

Purpose:

To limit escalation of a conflict where utilization of lethal force is prohibited or undesirable.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law. The procedural use of the less lethal shotguns is listed under Sheriff's Office Policy 302.

Expected Lifespan:

Less Lethal Shotgun: 25 years

CTS Supersock and Safariland Drag Stabilized Round: No listed expiration date.

Fiscal Impact:

Approximately 166.5 hours of personnel training time during 2024 resulting in an estimated staff expense of \$10,239.75. These staff hours were paid for using the Santa

Cruz County Sheriff's Office general budget. The Sheriff's Office anticipates using funds from the Sheriff's Office general budget for similar costs incurred in 2024.

Otherwise, the Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Prior to using a less lethal shotgun, officers must be certified by POST instructors in the operation of the rifle. Additionally, all members that operate any rifle are required to pass a range qualification twice per year.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 302. It is the policy of this agency to utilize these devices only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

Projectile Launch platforms and associated munitions (Category 14)

Description, quantity, capabilities, and purchase cost:

- BolaWrap 100- Cost \$1,299 each, quantity: 22. **(Devices decommissioned in early 2024)** The BolaWrap 100 is a less lethal handheld device that uses a .380mm blank round to project an eight-foot Kevlar cord that has a 360-pound strength rating. At each end of the Kevlar cord is a pellet with 4 hooks which are designed to attach to a person's clothing and temporarily immobilize, restrict movement, and allow a deputy(s) to safely detain/apprehend a subject.
- BolaWrap 100 Cassette- Cost \$40.00 each, Quantity 25. The BolaWrap 150 deploys an eight-foot Kevlar cord designed to wrap an individual from a range of 10-25 feet.

Purpose:

Allows deputies to deploy a projectile restraint to restrict a person's movement with little force. The restraint device prevents deputies from using a higher level of force depending on the circumstances, and if the device successfully restrains a person.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law.

The procedural use of the BolaWrap 100 is listed under Sheriff's Office Policy 347.

Expected Lifespan:

BolaWrap100: 10 years

Cassettes: 4 years

Fiscal Impact:

The Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance, storage, upgrade, or other ongoing costs.

Training

Before a deputy is issued a BolaWrap 100, they must complete a BolaWrap new user course.

Legal and Procedural Rules

Use is established under the Sheriff's Office Policy 347. It is the policy of this agency to utilize the BolaWrap 100 only for official law enforcement purposes, and pursuant to state and federal law regarding the use of force.

ANTICIPATED 2025 EQUIPMENT:

The listed item below was not acquired in 2024 and is still in the purchase process in 2025

Robots (Category 1)

Description, quantity, capabilities, and purchase cost:

REMOTEC ANDROS SPARTAN - Cost \$345,000 quantity: 1. The REMOTEC ANDROS SPARTAN is a medium sized robot. The robot is capable of being deployed remotely and offers various capabilities; stair climbing ability, arm manipulation and deployment of remote tools. The REMOTEC SPARTAN also offers the ability for 2-way communications, a chassis and manipulator that allow for additional accessories and tool combinations. The drive chassis is track driven with quick-release pneumatic wheels for size reduction.

Purpose:

The primary use of this robot is to disrupt packages and remotely manipulate objects. It may also be used to remotely gain visual/audio data, deliver HNT phone, open doors, and clear buildings.

Authorized Use:

Shall only be used in a manner consistent with Departmental policy and training and applicable state and federal law. Only assigned deputies who have completed the required training shall be permitted to operate the REMOTEC ANDROS SPARTAN.

Expected Lifespan:

10-15 years

Fiscal Impact:

This robot will be purchased using Bay Area UASI Grant funds with no expense to Santa Cruz County.

The Sheriff's Office anticipates future personnel costs to be consistent with the current expenditure of existing robots.

Training:

All robot operators for REMOTEC ANDROS SPARTAN must complete the 6-week FBI-Hazardous Device school training prior to operating.

Legal and Procedural Rules:

It is the policy of this agency to utilize a robot only for official law enforcement purposes, and in a manner that respects the privacy of our community, pursuant to state and federal law.