



**2023 AB-481 Annual Report
Military Equipment
Acquisition and Use**

INTRODUCTION:

California Assembly Bill 481 took effect on Jan. 1, 2022 requiring law enforcement agencies to seek approval from the relevant governing body via an ordinance that adopts a military equipment use policy before engaging in any activities related to funding, procurement, or usage of designated military equipment. This applies to both equipment owned by the Sheriff's Office or used by the Sheriff's Office within our jurisdiction.

Additionally, the Sheriff's Office must submit an annual report to include the following information:

- A summary of how the military equipment was used and the purpose of its use (Page 3-8);
- A summary of any complaints or concerns received concerning the military equipment (Page 9);
- The results of any internal audits, any information about violations of the military equipment use policy, and any actions taken in response (Page 10);
- The total annual cost for each type of military equipment, including acquisition, personnel, training, transportation, maintenance, storage, upgrade, and other ongoing costs, and from what source funds will be provided for the military equipment in the calendar year following submission of the annual military equipment report (Page 11-38);
- The quantity possessed for each type of military equipment (Page 11-38);
- If the law enforcement agency intends to acquire additional military equipment in the next year, the quantity sought for each type of military equipment (Page 39-41);
- Within 30 days of submitting the annual military equipment report, a law enforcement agency must hold at least one "well-publicized and conveniently located community engagement meeting," to allow for public discussion of the report (the community engagement meeting will be held on April 30, 2024);

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	0	0
Bomb Robot	5, 17*	120
UAS	54	59.5
Bearcat	0	0
Armored Van	2, 2*	93
Lt. Vehicles	Daily	N/A
UAS Vehicle	13	16.25
Mobile Substation	0	0
1998 IC Vehicle	6, 1*	31
2022 IC Vehicle	2*	14
BOMB Team Vehicle	10, 15*	120
.308 Ammunition	2*	80
.308 Rifles	2*	80
Launching Cup	1*	8
40mm Launcher	0	0
Flashbangs	1*	4
Tear Gas	1*	40
Pepperball	14	369
Less Lethal Shotgun	12	221.5
Bolawrap	3	4

* = Training Deployment

DATES OF DEPLOYMENTS:

Date	Equipment Used	Location	Situation for Deployment	Result
1/1/2023	LT. Vehicle, UAS Vehicle	All County	Daily as Standard Patrol Units	None
1/2/2023	UAS	Soquel Village	Storm Survey	Deployed
1/5/2023	UAS	Aptos	Storm Survey	Deployed
1/10/2023	UAS	Pajaro River	Storm Survey	Deployed
1/10/2023	UAS	Pajaro River	Storm Survey	Deployed
1/16/2023	UAS	Freedom	Shooting Suspect Search	Deployed
1/16/2023	UAS	Aptos	Storm Survey	Deployed
1/17/2023	UAS	La Selva Dr.	Shooting Suspect Search	Deployed
1/17/2023	UAS	La Selva Dr.	Shooting Suspect Search	Deployed
1/22/2023	Armored Van	Two Bar Rd.	Reported armed suspect	Deployed
1/31/2023	Bomb IC	Redwood Dr.	Suspicious Devices in Home	Deployed
2/2/2023	Pepperball Launcher	Santa Cruz Jail	Armed Incarcerated Person Cell Extraction	Deployed
2/3/2023	UAS/ UAS Vehicle	Lee St.	Barricaded Suspect	Deployed
2/6/2023	Pepperball Launcher	Santa Cruz Jail	Barricaded Incarcerated Person	Deployed
2/7/2023	UAS/ UAS Vehicle	Hwy 9	Suspect Search	Deployed
2/9/2023	UAS	Watsonville	Search Warrant	Deployed
2/10/2023	UAS/ UAS Vehicle	Cedar St.	Suspect Search	Deployed
2/13/2023	UAS	Highland Way	Search Warrant	Deployed
2/16/2023	UAS	Watsonville	Search Warrant	Deployed
2/21/2023	UAS	Wharf Rd.	Suspect Search	Deployed
2/27/2023	UAS	Dominican	Missing Person	Deployed
2/28/2023	UAS	Emeline St.	Missing Person	Deployed
3/12/2023	UAS/ UAS Vehicle	Highway 1 at 129	Storm Damage Survey	Deployed
3/13/2023	UAS	Highway 1 at 129	Storm Damage Survey	Deployed
3/13/2023	UAS	Brommer St.	Wanted Suspect Search	Deployed
3/15/2023	PepperBall Launcher	Santa Cruz Jail	Uncooperative Incarcerated Person in Cell	Deployed
3/20/2023	PepperBall Launcher	Santa Cruz Jail	Incarcerated Person Armed with Weapon	Deployed
3/27/2023	AR-10 Rifle/ AR-10 Ammo	Out of County	Precision Rifle Training	Training
4/6/2023	Bomb IC/ Bomb Robot	Training	Training	Training
4/9/2023	UAS/ UAS Vehicle	Fairway Dr.	Missing Person	Deployed
4/18/2023	BOMB IC	Training	Training	Training

4/26/2023	Pepperball Launcher	Santa Cruz Jail	Barricaded Incarcerated Person	Deployed
5/4/2023	Bomb IC/ Bomb Robot	Training	Training	Training
5/4/2023	BOMB IC	Watsonville PD	Suspicious Item from WPD Property	Deployment
5/6/2023	Less Lethal	30th Ave.	Armed Subject	Deployed
5/9/2023	BOMB IC	Vista Del Mar Dr.	Suspicious Package	Deployment
5/11/2023	UAS	Riverside Ave.	Missing Person Search	Deployed
5/11/2023	Pepperball Launcher/BolaWrap	Santa Cruz Jail	Uncooperative Incarcerated Person	Deployment
5/12/2023	Less Lethal/ BolaWrap/ PepperBall	Spreckels Dr.	Subject Armed with Knife	Displayed
5/15/2023	UAS	17th Ave.	Commercial Burglary	Deployed
5/15/2023	UAS	Ben Lomond	Suicidal Person Armed with Firearm	Deployed
5/16/2023	Bomb IC/ Bomb Robot	Training	Training	Training
5/19/2023	Less Lethal	West Park Ave.	Subject Firing Shotgun in Neighborhood	Displayed
5/22/2023	Pepperball Launcher /Less Lethal	Black Point Ln.	Barricaded Suspect Trespassing in Home	Displayed
5/25/2023	Tear Gas	Rountree	Training Deployment	Used at training
5/25/2023	2022 SAR Truck	Riverside CA	Transport for Upgrade	Training
6/2/2023	Bomb IC/ Bomb Robot	Training	Training	Training
6/15/2023	UAS	Skyview Terrace	Landslide Evaluation	Deployed
6/16/2023	Less Lethal	Brommer Way	Suicidal Subject	Displayed
6/16/2023	UAS	Pajaro Levee	Assist Outside Agency Wanted Subject	Deployed
6/17/2023	2022 SAR Truck	Riverside CA	Transport for Upgrade	Training
6/19/2023	Less Lethal/Bolawrap	Willowbrook Ln.	Intoxicated and Uncooperative Subject	Displayed
6/20/2023	UAS	Cabrillo College	Missing juvenile	Deployed
6/20/2023	Bomb IC/ Bomb Robot	Training	Training	Training
6/30/2023	Less Lethal	Brookside Way	Armed Subject	Displayed
7/3/2023	UAS/ UAS Vehicle	Highway 9	Robbery suspect Search	Deployed
7/9/2023	1998 SAR Truck	Highway 9	Search and Rescue	Deployed
7/14/2023	Bomb IC/ Bomb Robot	Training	Training	Training

7/15/2023	Pepperball Launcher	Santa Cruz Jail	Armed Incarcerated Person	Deployed
7/16/2023	1998 SAR Truck	Santa Cruz/ San Mateo line	Search and Rescue	Deployed
7/17/2023	Bomb Robot	Training	Training	Training
7/18/2023	Armored Van/ Launching Cap/ Teargas	Training	Training	Training
7/23/2023	Armored Van	East Cliff Dr.	Wharf to Wharf	Deployed
7/25/2023	Less Lethal	Soquel San Jose Rd.	Suicidal Person	Displayed
7/25/2023	UAS	Wheellock	Search Warrant Service	Deployed
7/28/2023	UAS	Soquel Dr.	Search Warrant Service	Deployed
7/29/2023	1998 SAR Truck	Davenport	SAR Training	Training
7/30/2023	UAS	Davenport	Canvass for Gunshot Victims	Deployed
7/31/2023	Bomb IC/ Bomb Robot	Paget Ave.	Suspicious Package	Deployed
8/3/2023	UAS	Watsonville	Search Warrant	Deployed
8/4/2023	Bomb IC/ Bomb Robot	Training	Training	Training
8/9/2023	Bomb IC/ Bomb Robot	Aptos	Suspicious Package	Deployed
8/11/2023	UAS/ UAS Vehicle	Watsonville	Search Warrant	Deployed
8/15/2023	SWAT Armored Van	San Juan Bautista	Armed Subject	Deployed
8/22/2023	Bomb IC/ Bomb Robot	Training	Training	Training
8/20/2023	1998 SAR Truck	Nisene	Missing Person Search	Deployed
8/24/2023	UAS/ UAS Vehicle	Palm Ave.	Search Warrant	Deployed
9/1/2023	Bomb IC/ Bomb Robot	Training	Training	Training
9/6/2023	Less Lethal	14th Ave.	Burglary Suspect	Displayed
9/10/2023	Pepperball Launcher	Santa Cruz Jail	Incarcerated Person Threatening Staff	Displayed
9/10/2023	UAS/ UAS Vehicle	Santa Cruz Wharf	Safety for Swimmers of Iron Man	Deployed
9/13/2023	1998 SAR Truck/ Mobile Command	County Fair	County Fair Incident Command	Deployed
9/14/2023	UAS/ UAS Vehicle	Sans Rd.	Missing Person Search	Deployed
9/15/2023	UAS/ UAS Vehicle /1998 SAR Truck	Skyline Blvd	Missing Person Search	Deployed
9/19/2023	Bomb IC/ Bomb Robot	Training	Training	Training
9/21/2023	Armored Van	Santa Cruz	Training	Training
9/22/2023	UAS	North Rodeo Gulch	Search Warrant	Deployed
9/24/2023	UAS/ UAS Vehicle	Santa Cruz Wharf	Safety for Swimmers in Triathlon	Deployed
9/29/2023	UAS	Felton	Search Warrant	Deployed

9/29/2023	Pepperball Launcher	Santa Cruz Jail	Incarcerated Person Threatening Staff	Displayed
10/3/2023	Flash Bang	Training	Training	Training
10/6/2023	Bomb IC/ Bomb Robot	Training	Training	Training
10/10/2023	AR-10 Rifle/ AR-10 Ammo	Training	Training	Training
10/15/2023	UAS	Brommer St.	Search for Wanted Subject	Deployed
10/17/2023	Bomb IC/ Bomb Robot	Training	Training	Training
10/21/2023	Less Lethal	Hames Rd.	Several People Fighting	Displayed
10/23/2023	UAS	Broadway St.	Search for Wanted Subject	Deployed
10/27/2023	SWAT Armored Van/ 1998 SAR Van	HQ	Trunk Or Treat	Displayed
10/30/2023	UAS	Bogey Dr.	Search for Missing Person	Deployed
11/3/2023	Bomb IC/ Bomb Robot	Training	Training	Training
11/4/2023	UAS	Coffee Ln. Park	Suspect Search	Deployed
11/5/2023	Pepperball Launcher	30th Ave.	Domestic Disturbance	Displayed
11/7/2023	UAS	Gonda St.	Search Warrant	Deployed
11/12/2023	UAS	Portola Dr.	Burglary call	Deployed
11/12/2023	Less Lethal	Lone Pine Ave.	Armed Suspect	Displayed
11/12/2023	1998 SAR Truck			
11/21/2023	Bomb IC/ Bomb Robot	Training	Training	Training
11/22/2023	Bomb IC/ Bomb Robot	Santa Cruz City	Possible Incendiary Device	Deployed
12/2/2023	1998 SAR Truck	Nisene Marks	Missing Person	Deployed
12/4/2023	Pepperball Launcher	Santa Cruz Jail	Incarcerated Person Harming Themselves	Deployed
12/5/2023	UAS	Davenport	Burglary Suspect	Deployed
12/8/2023	Bomb IC/ Bomb Robot	Training	Training	Training
12/11/2023	UAS	Glenwood Ave.	Wanted Subject Search	Deployed
12/19/2023	Bomb IC/ Bomb Robot	Training	Training	Training
12/21/2023	Pepperball Launcher	Santa Cruz Jail	Assaultive Incarcerated Person	Deployed
12/21/2023	Bomb IC/ Bomb Robot	Scotts Valley	Explosive Device	Deployed
12/22/2023	Pepperball Launcher	Santa Cruz Jail	Assaultive Incarcerated Person	Displayed
12/22/2023	UAS	China Ladder Beach	Missing Person	Deployed
12/28/2023	UAS/ Less Lethal	Davenport	Robbery Suspect	Deployed
12/28/2023	UAS	Beach Dr.	Storm Damage Survey	Deployed

12/30/2023	UAS	Pleasure Point	Missing Person	Deployed
12/31/2023	UAS	Green Valley Rd.	Armed Robbery Suspect	Deployed
12/31/2023	Bomb IC/ Bomb Robot	La Selva Beach	Explosive Device	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 2022 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.
- The number of training hours for the AR-10 rifles.
- The total number of unmanned aerial systems in our inventory.
- The total number of AR-15 rifles compared to the number of deputies.
- A request to hold the AB 481 public meeting prior to presenting the annual report to the Board of Supervisors.

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 "Self Help" 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 the completed investigations 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.

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:

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 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:

120 hours of personnel use and training time occurred during 2023 resulting in an estimated staff expense of \$7,380. 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 2024.

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 Phantom 4 Pro- Cost \$1,000 to \$2,000 each, quantity: 3. UAS with a singular camera. Weighs 1380g with approximately 25-30 minutes of flight time. [\(Decommissioned and donated to Aptos High School\)](#)
- DJI Air - Cost \$500, quantity 1. Smaller UAS with a singular camera. Weighs 430g with approximately 20 minutes of flight time. [\(Decommissioned and donated to Aptos High School\)](#)
- 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.
- Micro FPV Drones (assorted brands) - Cost approximately \$1000 each (with FPV headset), quantity: 6. Micro UAS with a singular camera designed for first-person visualization and indoor flight. Weighs under 250g with approximately 5-7 minutes of flight time. [\(Decommissioned and donated to Aptos High School\)](#)
- Matrice M30 Thermal (2023) - 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 (2023)- 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 (2023)- Cost \$599.00, quantity 1: Light weight UAS. Uses a singular camera designed for first-person visualization. Weighs 410g with approximately 15 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:

59.5 hours of personnel flight time during 2023 resulting in an estimated staff expense of \$3,659.25. These staff hours and equipment items 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 \$30,796 to purchase UAS devices in 2023. 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 an 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 provides 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.

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 93 hours of personnel driving and training time during 2023 resulting in an estimated staff expense of \$5,719.50. 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 2024.

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:

2017 Chevy Tahoe PATROL VEHICLE- Cost \$61,747 each, quantity: 2. (Both decommissioned in early 2024). The Patrol Lieutenant Vehicles are Chevrolet Tahoe which include a Mobile Command Center. The Mobile Command Center is equipped with secure drawers for weapons, file cabinets, and a dry erase board. The Mobile

Command Center does not have a minimum or maximum lifespan and can be transferred to other vehicles.

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 the plans, communicating goals, tactics, expectations, and establishing accountability.

Authorized Use:

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

The Mobile Command Center is used when deemed appropriate by the Patrol Lieutenants.

Expected Lifespan:

10 years

Fiscal Impact:

The Sheriff's Office deploys this vehicle daily as a standard patrol vehicle. The Sheriff's Office is not aware of any additional ongoing personnel, training, transportation, maintenance beyond standard, 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 16.25 hours of personnel driving and training time during 2023 resulting in an estimated staff expense of \$999.37. 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 2024.

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 specific 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 2 hours of personnel driving time during 2023 resulting in an estimated staff expense of \$123.00. 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 2024.

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. 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 31 hours of personnel driving and training time during 2023 resulting in an estimated staff expense of \$1,906.50. 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 2024.

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 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 14 hours of personnel driving and training time during 2023 resulting in an estimated staff expense of \$861.00. 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 2024.

The Sheriff's Office spent \$34,815.36 upgrading the Command Vehicle in 2023 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 is capable of carrying 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 120 hours of personnel driving time during 2023 resulting in an estimated staff expense of \$7,380. 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 2024.

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.

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: 188 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 (2023)- Cost \$21.50 per box, quantity: 224 (20 round per box). The T308T is the primary duty round used in the AR-10.
- RUAG SWISS P TACTICAL barrier round .308 164GR- Cost \$125.00 per box, quantity: 1 box (20 rounds per box). Obsolete precision round that stays 90% intact when shooting through glass.
- RUAG SWISS P STYX ACTION .308 167GR RIFLE ROUND- Cost \$52.50 per box, quantity: 17 boxes (20 rounds per box). Obsolete 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 404.2.3

Expected Lifespan:

No expiration dates.

Fiscal Impact:

Approximately 80 hours of personnel training time during 2023 resulting in an estimated staff expense of \$4,920. 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 2024.

In 2023, the Sheriff's Office purchased 5000 rounds of Federal T308T ammunition for training and replacement of primary duty ammunition at a total expense of \$6,035.10 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

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 80 hours of personnel training time during 2023 resulting in an estimated staff expense of \$4,920. 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 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 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:

Approximately 8 hours of personnel training time during 2023 resulting in an estimated staff expense of \$492.00. 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 2024.

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

Legal and Procedural Rules

Use is established under Sheriff's Office Policy. 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 persons.

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 further 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 Sheriff's Office Policy. 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: 19. The 7290 produces an 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: 140. 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.

Diversionsary 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 4 hours of personnel training time during 2023 resulting in an estimated staff expense of \$246.00. 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 2024.

The Sheriff's Office spent \$3,226.95 to purchase 48 Stingball devices in 2023. 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

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

Legal and Procedural Rules

Use is established under Sheriff's Office Policy. 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 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: 3. 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: 24. 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: 45. 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 a plastic composite. It has a maximum effective range of 50 yards.
- CTS CS Baffled Grenade #5230B- Cost \$32.70, quantity: 30: 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: 20. 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: 21. 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: 8. 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: 2. 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 chemical agents are authorized to use them.

Expected Lifespan:

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

Fiscal Impact:

Approximately 40 hours of personnel training time during 2023 resulting in an estimated staff expense of \$2,460. 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 2024.

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 Sheriff's Office Policy. 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. 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 \$272.00, quantity: 5 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.

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 369 hours of personnel training time during 2023 resulting in an estimated staff expense of \$22,693. 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 2023.

The Sheriff's Office spent \$4,913.95 to purchase PepperBall devices in 2023. 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

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 Sheriff's Office Policy. 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: 46. 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: 768 boxes (5 rounds per box). The issued less lethal shotgun ammunition 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 221.5 hours of personnel training time during 2023 resulting in an estimated staff expense of \$13,622.25. 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 2023.

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 Sheriff's Office Policy. 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:

Approximately 4 hours of personnel time during 2023 resulting in an estimated staff expense of \$246.00. 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 2024.

Otherwise, 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 Sheriff's Office Policy. 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 2024 EQUIPMENT:

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 expenditures 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.

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 Avata (Anticipated 2024)- Cost \$1,000 each, quantity 2: Light weight UAS. Uses a singular camera designed for first-person visualization. Weighs 410 grams with approximately 15 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:

The Sheriff's Office anticipates using funds from the Sheriff's Office general budget to purchase 2 new Avata UAS devices.

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

Training:

All Sheriff's Office UAS pilots must obtain an 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.