



Barstow Police Department

MILITARY EQUIPMENT INVENTORY

Background

Assembly Bill 481 was adopted by the California Legislature and approved by Governor Gavin Newsom in September 2021. It went into effect on January 1, 2022. AB 481 is designed to increase community awareness and oversight over the possession and use by local police departments of certain types of equipment that AB 481 labels as “military” equipment. It requires the City Council to provide both authorization and oversight of the equipment used.

The law, codified in California Government Code sections 7070 through 7075, requires law enforcement agencies to produce a military equipment use policy that identifies and describes: each type of military equipment; its authorized use; fiscal impact; rules/laws that govern use of such equipment; training required; and mechanisms to ensure compliance with the policy. (*See* Gov. Code section 7070(d)). The City Council is required to approve the policy for the Department to continue using this equipment. Additionally, the law requires an annual report and annual review by the governing body for continued use of the equipment. AB 481 requires every local law enforcement agency in California to post its proposed military equipment use policy no later than May 1, 2022. The law also requires at least a 30-day period for public comment on the proposed policy before the governing body discusses the proposed policy in a public meeting.

Police agencies across the state have developed similar policies to comply with this new law. The Department’s proposed policy describes the equipment that has already been in the Department’s possession. The Department does not possess any equipment that is atypical for the region. The City of Richmond possesses fewer types of this equipment than many other Bay Area agencies.

Definitions

Pursuant to AB-481, the following definitions are applicable **only** to the Department's current military equipment inventory and potential future military equipment acquisitions for operational needs. (For a more detailed list, refer to Government Code section 7070, for "military equipment" as defined within the Assembly Bill.)

"Governing body" means the Barstow City Council and Mayor.

"Military equipment" means the following:

1. Unmanned, remotely piloted, powered aerial or ground vehicles. This definition applies to the Department's inventory of small Unmanned Aircraft Systems and SRT robots.
2. Mine-resistant ambush-protected (MRAP) vehicles or armored personnel carriers.
3. High mobility multipurpose wheeled vehicles (HMMWV), 2 ½, ton trucks, five-ton trucks, or wheeled vehicles that have breaching or entry apparatus attached.
4. Tracked armored vehicles that provide ballistic protection to their occupants.
5. Command and control vehicles that are either built or modified to facilitate the operational control and direction of public safety units.
6. Weaponized aircraft, vessels, or vehicles of any kind.
7. Battering rams, slugs, and breaching apparatuses that are explosive in nature. This does not include a handheld, one-person ram.

8. Firearms and ammunition of .50 caliber or greater, excluding standard-issue shotguns and standard-issue shotgun ammunition.
9. Specialized firearms and ammunition of less than .50 caliber, including firearms and accessories identified as assault weapons in Penal Code 30510 and Penal Code 30515, with exception of standard-issue firearms.
10. Any firearm or firearm accessory that is designed to launch explosive projectiles.
11. Noise-flash diversionary devices and explosive breaching tools.
12. Munitions containing tear gas or OC, excluding standard, service-issued handheld pepper spray.
13. Taser Shockwave, microwave weapons, water cannons, and long range acoustic devices also known as LRADs.
14. Kinetic energy weapons and munitions to include 40mm launcher, beanbag shotgun, foam-tipped projectiles.
15. Any other equipment as determined by a governing body (Richmond City Council) or a state agency to require additional oversight.

Military Equipment Use Policy

Military equipment use policy means a publicly released, written document governing the use of military equipment by the Department that addresses, at a minimum, all of the following:

1. A description of each type of military equipment, the quantity sought its capabilities, expected lifespan, and product descriptions from the manufacturer of the military equipment.
2. The purposes and authorized uses for which the Department proposes to use each type of military equipment.
3. The fiscal impact of each type of military equipment, including the initial costs of obtaining the equipment and estimated annual costs of maintaining the equipment.
4. The legal and procedural rules that govern each authorized use.
5. The training, including any course required by the Commission on Peace Officer Standards and Training, that must be completed before any sworn member is allowed to use each specific type of military equipment to ensure the full protection of the public's welfare, safety, civil rights, and civil liberties and full adherence to the military equipment use policy.
6. The mechanisms to ensure compliance with the military equipment use policy, including which independent persons or entities have oversight authority, and, if applicable, what legally enforceable sanctions are put in place for violations of the policy.
7. The procedures by which members of the public may register complaints or concerns or submit questions about the use of each specific type of military equipment, and how the Department will ensure that each complaint, concern, or question receives a response in a timely manner.

Military Equipment Inventory

The inventory of military equipment, particularly consumable material (ammunition, diversionary devices, etc.) fluctuates regularly. This is based on a variety of factors including but not limited to operational usage, operational deterioration, training, maintenance, expirations, and replenishment guidelines.

The following are various types, descriptions, and guidelines for usage of military equipment currently employed by the Barstow Police Department:

UNMANNED AERIAL SYSTEMS (UAS)

Equipment Type: An unmanned aircraft along with the associated equipment necessary to control it remotely.

Description, Purchase Cost, Quantity, Capabilities:

DJI Inspire 1, Cost: \$5,000, Quantity: 1, Capabilities: This UAS is able to record 4K video, 12 megapixel photos, and transmit an HD video signal from approximately 1 mile. This UAS is battery operated and capable of 30 minutes of flight time.

DJI Mini 4 Pro, Cost \$1348, Quantity 1, Capabilities: This UAS is able to record 4K video, 12 megapixel single shot photos and 48 megapixel burst shooting, and transmit an HD video signal from approximately 12.5 miles. This UAS is battery operated and capable of 34 minutes of flight time with two additional batteries that are capable of 34 additional minutes of flight time each.

Purpose: The UAS is deployed when its view would assist officers in the field or incident commanders managing a critical incident in certain situations to include but not limited to:

- Major traffic collision investigations.
- Searches for missing persons.
- Searches for suspects.
- Natural disaster management.
- Crime scenes
- SRT tactical operations or other public safety or life preservation missions.
- In response to specific requests from Barstow Fire Protection District, state, or federal fire authorities for fire response and/or prevention.

Authorized Users: Only assigned UAS operators who have completed the required training shall be permitted to operate any UAS during approved missions.

Expected Life Span: UAS and associated equipment, 3-5 years.

Fiscal Impact: Annual maintenance and battery replacement cost is approximately \$1,000.

Training: All department UAS operators are licensed by the Federal Aviation Administration for UAS operation. In addition, each operator must complete on going quarterly training.

Legal and Procedural Rules: Use is established under Barstow Police Department policy 609 - Unmanned Aerial Systems (UAS) Operations, which is posted on the department internet website. It is the policy of the Barstow Police Department to utilize UAS for official law enforcement purposes and in strict accordance with constitutional and privacy rights and state and federal law.

Notes: The department is planning to purchase additional drones in 2024-2025

ROBOTS

Equipment Type: A remotely-controlled unmanned machine that operates on the ground and is utilized by officers to enhance the safety of the community and officers.

Description, Purchase Cost, Quantity, Capabilities:

- RECON ROBOTICS RECON SCOUT MICRO-ROBOT, Costs: \$7,000, Quantity: 1, Capabilities: The Recon Scout is a throwable remotely operated micro-robot system that can transmit video from an indoor or outdoor environment. It can locate subjects whether armed or injured providing protection and safety to officers and operators.
- SIGYN MK1, Costs: \$15,975, Quantity: 1, Capabilities: Remotely operated micro-robot system that can transmit video from an indoor or outdoor environment. It can locate subjects whether armed or injured providing protection and safety to officers and operators.

Purpose: The robots are used to remotely gain real time visual data of an incident location, search for armed or injured subjects, and clear buildings.

Authorized Users: Only assigned SRT operators who have completed the required training shall be permitted to utilize the robots. Use is established by the SRT Commander or SRT team Leader.

Expected Life Span: 8-10 years

Fiscal Impact: There is no annual maintenance.

Training: All Robot operators must complete in-house training on the use of the robots when assigned to the Special Response Team.

Legal and Procedural Rules: Use is established under Barstow Police Department policy 459 - Special Response Team (SRT) which is posted on the department internet website. It is the policy of the Barstow Police Department to utilize the Robot only for official law enforcement purposes and in a manner that respects the privacy of our community members pursuant to state and federal law.

Notes:

ARMORED VEHICLE

Equipment Type: Military produced wheeled armored personnel vehicle utilized during law enforcement operations for armor protection and officer or citizen rescues.

Description, Purchase Cost, Quantity, Capabilities:

- Caiman 6x6 Mine Resistant Ambush Protected (MRAP) Vehicle, Costs: Donated through Federal 1033 Program, Quantity: 1, Capabilities: The 2012 MRAP is a fully armored vehicle that seats 8-10 personnel. It has an open floor plan that allows for the rescue of downed personnel and/or citizens. The vehicles armor can stop high powered rifle rounds providing greater protection and safety for officers and citizens beyond that which is provided by standard personal body armor or ballistic shield.

Purpose: The MRAP is to be used in response to critical incidents such as but not limited to active shooter incidents, armed barricaded subjects in a structure or vehicle, armed suspect in an open area (large field, parking lot), SRT call-outs, officer down rescue, citizen rescue, officer or citizen evacuations from an active area where a threat of gunfire still exists, terrorist incidents, SRT and Mobile Field Force training, or any other incidents involving armed subjects or where the use of the MRAP would be appropriate to enhance officer and community safety, improve scene containment during major incidents, as well as provide officer and citizen protection while resolving these critical incidents.

Authorized Users: The use of the MRAP vehicle shall only be authorized by the SRT Team Leader or Commander based on the specific circumstances of the critical incident. The MRAP shall be used by officers trained in their deployment, use, and in a manner consistent with department policy and training.

Expected Life Span: 25 years

Fiscal Impact: Annual maintenance costs of approximately \$2,500.

Training: All driver/operators shall attend formalized instruction and be trained in driving and vehicle operations.

Legal and Procedural Rules: Use of the MRAP is established under Barstow Police Department policy #701 - Federally Controlled Equipment.

Notes:

37 MM LAUNCHER

Equipment Type: The 37mm launchers are utilized by personnel on the Special Response Team (SRT) as a less lethal tool to launch impact rounds and deploy canisters of chemical agents or smoke.

Description, Purchase Cost, Quantity, Capabilities:

- DEFENSE TECHNOLOGY 37mm TACTICAL 6-SHOT LAUNCHER, Costs: \$2,200, Quantity: 1, Capabilities: The 37mm tactical 6-Shot launcher is a low profile light weight launcher that provides multi-shot capabilities. It has a collapsable stock and front forward grip. It will launch 37mm less lethal rounds and chemical agents (ferrets or canisters) up to approximately 50 yards and is only authorized to be used by SRT personnel.
- DEFENSE TECHNOLOGY 37mm SINGLE SHOT LAUNCHER, Costs: \$1,200, Quantity: 2, Capabilities: The single shot 37mm launcher is the lightest launcher available. It will fire standard 37mm less lethal ammunition and chemical agent, up to 8" canisters.

Purpose: To deploy less than lethal capabilities to reduce the escalation of conflict where deployment of lethal force is prohibited or undesirable.

Authorized Users: Situations for the use of 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 dangerous or vicious animals.
- Training exercises or approved demonstrations.

Expected Life Span: Defense Technology 37mm single shot and tactical 6-shot launcher; 25-years.

Fiscal Impact: Annual maintenance for the launcher is approximately \$50.

Training: All personnel utilizing the 37mm launcher shall be trained by a POST certified less lethal and chemical agents instructor.

Legal and Procedural Rules: Use of the 37mm launcher is authorized by Barstow Police Department policy 308 - Control Device and Techniques, which is posted on the department internet website.

Notes:

LESS LETHAL SHOTGUN

Equipment Type: Less lethal shotguns are used to deploy the less lethal 12-gauge Stabilized Bean Bag round and 12-gauge Ferret Liquid CS Round.

Description, Purchase Cost, Quantity, Capabilities:

- REMINGTON 870 LESS LETHAL SHOTGUN, Cost: \$900 each, Quantity: 18, Capabilities: The less lethal 870 shotgun is used to deploy the Drag Stabilized bean bag round up to a distance of 75 feet. The range of the weapon system helps to maintain distance between officers and a suspect reducing the immediacy of a threat which is a principle of De-escalation.
- DEFENSE TECHNOLOGY 12-GAUGE DRAG STABILIZED BEAN BAG ROUND, Costs: \$5.35 each, Quantity: 99, Capabilities: The 12-Gauge round is a shell loaded with a 40-gram tear shaped bag made from a cotton and ballistic material blend and filled with #9 shot.
- DEFENSE TECHNOLOGY 12-GAUGE FERRET LIQUID CS ROUND, Costs: \$6.98 each, Quantity: 55, Capabilities: The 12-Gauge liquid ferret CS round delivers approximately 1.5 grams of active CS agent up to a distance of 100 yards.

Purpose: To limit the escalation of conflict where lethal force is prohibited or undesirable.

Authorized Users: Situations for the use of 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.

Expected Life Span:

- Remington 870 less lethal shotgun - 25 years
- 12-Gauge Drag Stabilized Bean Bag Round - 5 years
- 12-Gauge Ferret Liquid CS Round - 5 years

Fiscal Impact: Annual maintenance is approximately \$50 per shotgun.

Training: All officers are trained by in-service trainers in the operations of the 12-gauge less lethal shotgun as a less lethal option. SRT personnel receive additional training upon selection to the team. SRT operators who utilize these chemical agent munitions have successfully completed a POST certified chemical agents school and/or have been trained in-house by POST certified chemical agents instructors.

Legal and Procedural Rules: Use is established by Barstow Police Department policy 308 - Control Devices and Techniques, which is posted on the department internet website.

Notes:

DISTRACTION DEVICES

Equipment Type: A device used to distract and disorient dangerous subjects.

Description, Purchase Cost, Quantity, Capabilities:

- DEFENSE TECHNOLOGY DISTRACTION DEVICE /FLASH BANG, Costs: \$60, Quantity: 15, Capabilities: A non-bursting, non-fragmenting, multi-bang device that produces a thunderous bang with an intense bright light.

Purpose: A distraction device is ideal for distracting dangerous subjects who pose a threat to officers during high risk arrest situations, room entries, and hostage rescue situations. The device produces atmospheric over-pressure and a brilliant white light that causes short term physiological/psychological sensory deprivation to give officers a tactical advantage.

Authorized Users: Diversionary devices can only be used:

- By SRT officers who have completed a POST certified diversionary device school.
- During hostage and barricaded subject situations.
- In high risk warrant (search/arrest) services where there may be extreme hazards to officers.
- During other high risk situations where the use would enhance officer safety.
- During authorized training exercises.

Expected Life Span: Until used

Fiscal Impact: No annual maintenance

Training: Prior to use, officers must attend diversionary device training by POST certified instructors.

Legal and Procedural Rules: Use is established by Barstow Police Department policy 459 - Special Response Team (SRT).

Notes:

RIFLES

Equipment Type: Firearms that are fired from shoulder level, having a long spirally grooved barrel intended to make bullets spin and thereby have a greater accuracy over a long distance.

Description, Purchase Cost, Quantity, Capabilities:

- REMINGTON .308 CALIBER RIFLE MODEL 700, Costs: \$2,000 each, Quantity: 5, Capabilities: Highly accurate rifle that provides greater accuracy and stability and used by officers in an over watch capacity to protect the community during critical and/or large events.
- SIG SAUER 516 SWAT OPERATOR 11.5".223 CALIBER RIFLE, Costs: \$2,800 each, Quantity: 8, Capabilities: A rifle that fires an intermediate-power .223 cartridge which is more powerful than a standard handgun but less powerful than a standard rifle. As a short-barreled rifle it allows trained SRT officers greater accuracy than a handgun and better control inside structures.
- COLT AR-15 MODEL A3 .223 CALIBER PATROL RIFLES, Costs: \$1,500 each Quantity: 18, Capabilities: The AR-15 rifle is a precision weapon utilized for increased accuracy and stability when addressing threats at greater distances. The AR-15 .223 caliber rifle is the standard rifle equipped in all Barstow Police Department patrol units.
- COLT AR-15 MODEL A2 .223 CALIBER RIFLES, Cost: \$1,100 each, Quantity: 4, Capabilities: The AR-15 rifle is a precision weapon system utilized for increased accuracy and stability when addressing threats at greater distances.
- COLT AR-15 M16A1 5.56 CALIBER RIFLE, Costs: Received from the military at no cost, Quantity: 7, Capabilities: This rifle is a precision weapon for accuracy and stability at greater distances. This weapon is currently not in use by BPD.
- BUSHMASTER AR-15 .223 CALIBER RIFLE, Costs: \$1,100 each Quantity: 4, Capabilities: The AR-15 rifle is a precision weapon system utilized for increased accuracy and stability when addressing threats at greater distances.
- WINCHESTER RANGER .223 POINTED SOFT POINT 55 GRAIN RIFLE ROUND, Costs: \$608 a case, Quantity: Approximately 9,840 rounds, Capabilities: This rifle round leaves the muzzle at 3240 feet per second and expands immediately upon hitting its target making it ideal for AR-pattern rifles. This round is used in all department.223 AR-15 rifles.
- HORNADY.308 TACTICAL APPLICATION POLICE 168 GRAIN A-MAX RIFLE ROUND, Costs: \$400, Quantity: 660 rounds, Capabilities: This round leaves the muzzle at 2676 feet per second. This is a conventional match grade bullet with the performance benefits of a polymer tip. This bullet demonstrates controlled and remarkable soft tissue expansion without over penetration. This round is used as the primary round for duty use in the department. 308 rifles.
- HORNADY.308 TACTICAL APPLICATION POLICE 165 GRAIN HEAVY BARRIER RIFLE ROUND, Costs: \$30 a box, Quantity: 40 rounds, Capabilities: This round leaves the muzzle at 2611 feet per second. This bullet is designed to penetrate heavy barriers.

Purpose: To be used as a precision weapon to address a threat from a greater distance than can be addressed with a handgun.

Authorized Users: Only officers who have completed POST certified training are authorized to use a rifle.

Expected Life Span:

- REMINGTON .308 MODEL 700 - 15 years.
- SIG SAUER 516 SWAT OPERATOR - 10 years.
- COLT AR-15 MODELS M16A1, A2, A3, AND BUSHMASTER.223 - 15 years.
- WINCHESTER .223 AND .308 RIFLE ROUNDS AND HORNADY .308 RIFLE ROUNDS - No expiration.

Fiscal Impact: Annual maintenance is approximately \$50 for each rifle.

Training: Prior to using a rifle, officers must be certified by POST instructors in the operation of the rifle. All officers must pass a range qualification course for the rifle two times a year.

Legal and Procedural Rules: Use is established by Barstow Police Department policy 312 - Firearms, which is posted on the department internet website.

Notes:

CHEMICAL AGENTS AND SMOKE CANISTERS

Equipment Type: Canisters that contain chemical agents or smoke that are released when deployed.

Description, Purchase Cost, Quantity, Capabilities:

- DEFENSE TECHNOLOGY TRIPLE-CHASER SEPARATING CANISTER, CS #1026, Costs: \$47, Quantity: 17, Capabilities: The Triple-Chaser CS canister consists of three separate canisters compressed together with separating charges between them. When deployed the canisters separate landing approximately 20 feet apart from each other. This allows for an increase of area coverage in a short period of time. The canister is hand thrown and holds approximately 92 grams of active agent. It has a burn time of approximately 20-30 seconds.
- DEFENSE TECHNOLOGY FLAMELESS TRI-CHAMBER CS CANISTER #1032, Costs: \$45, Quantity: 15, Capabilities: The Tri-Chamber flameless grenade allows the contents to burn within an internal can and disperse the agent safely with reduced risk of a fire. Although the Tri-Chamber grenade can be used in crowd control situations it is designed primarily for indoor tactical situations to detect and/or dislodge a barricaded subject. This grenade will deliver approximately 20 grams of agent during a 20-30 second burn time. The purpose of the Tri-Chamber flameless grenade is to minimize risk to all parties through pain compliance, temporary discomfort, and/or incapacitation of potentially violent or dangerous subjects. This grenade provides officers with the option of delivering a pyrotechnic chemical agents device indoors maximizing the agents effectiveness while minimizing the chance of a fire to the structure.
- DEFENSE TECHNOLOGY RIOT CONTROL CONTINUOUS DISCHARGE CS CANISTER #1082, Cost: \$30, Quantity: 12, Capabilities: The Riot Control CS Grenade has an agent content of 75.6 grams and is specifically designed for outdoor use in crowd control situations. The grenade expels a large agent concentration in a continuous burn for 20-40 seconds, through four gas ports located at the top of the canister. The grenade can be used to route a crowd or conceal officers movements.
- DEFENSE TECHNOLOGY SPEDE-HEAT RIOT CONTROL CS GRENADE #1072, Cost: \$47, Quantity: 2, Capabilities: The Spede-Heat grenade is specifically designed for outdoor use during large crowd control situations. The grenade has a large agent concentration and long discharge time of approximately 20-40 seconds to cover large areas. The CS grenade has an agent content of 81.2 grams.
- DEFENSE TECHNOLOGY CS FERRET ROUNDS #1162, Costs: \$26, Quantity: 25, Capabilities: The Ferret Rounds are designed to deliver chemical agents in barricade situations. The Ferret Rounds incorporate a frangible projectile that is filled with liquid CS agent. Upon impact, the nose cone ruptures and instantaneously delivers the agent payload inside the structure. The Ferret Round is non-burning and has an effective range of 50 yards when launched from the 37mm weapon system.

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

- Self-destructive, dangerous and/or combative individuals.
- Armed barricaded subjects.
- Riot/crowd control and violent civil unrest incidents.
- Circumstances where a tactical advantage can be obtained.
- Potentially vicious animals.
- Training exercises or approved demonstrations.

Authorized Users: Only officers who have received POST certified training in the use of chemical agents are authorized to use chemical agents.

Expected Life Span: 5 years from manufacturing date.

Fiscal Impact: No annual maintenance.

Training: Officers utilizing chemical agents canisters or munitions are certified by POST less lethal and chemical agents instructors. All sworn officers are required to have in-house chemical agents training once a year.

Legal and Procedural Rules: Use is established by Barstow Police Department policy 308 - Control Device and Techniques. It is the policy of the Barstow Police Department to utilize chemical agents for law enforcement purposes only and in accordance with state and federal law including those regarding use of force.

Notes: