

# \$253M

VALUE Volunteer Service to the Nation

\$3.70:1
RETURN ON INVESTMENT

\$170 PER FLIGHT HOUR

101K
FLIGHT HOURS

37K
ORIENTATION FLIGHTS

1,415
OPERATING LOCATIONS





65K

MEMBERS
36K Adults and 29K Youth

37K

**EMERGENCY PROFESSIONALS** 

455

SEARCH AND RESCUE MISSIONS

230 FINDS

60
LIVES SAVED
NATIONWIDE



## **OPERATIONS**

With its utility aircraft fleet, special missions equipment, highly trained volunteer ground teams and aircrews, and a robust communications network, CAP support can be requested anywhere in the U.S.



#### TRAINED AIRCREW

Civil Air Patrol's 5,650 aircrew members, pilots, remote pilots, observers, scanners, photographers, and radio operators play a critical role in information gathering in the aftermath of a disaster. CAP provides an array of high-definition digital assets used for damage assessment by FEMA and local and state agencies.

# \$3.70:1 ROI

# UNMATCHED RETURN ON INVESTMENT

Returning \$3.70 in value for every \$1 spent, CAP performs its essential duty as the Air Force auxiliary by providing unequaled value and responsiveness.

### NOMINAL COST PER FLIGHT HOUR

At a blended fleet rate of \$170 per flight hour, CAP is an unrivaled, low-cost mission partner for lifesaving, disaster response and humanitarian support, joint training, and aviation advancement.



A CAP aircrew member captures high-definition imagery for emergency management agencies to use in expediting post-disaster recovery.

## **OPERATIONS**

### **Procurement**







#### **NEW AIRCRAFT**

New and replacement aircraft are needed each year. Many are equipped for special missions for training and lifesaving missions.

#### **NEW SUAS**

CAP also operates a massive national fleet of commercial small Unmanned Aircraft Systems (sUAS) with increased capabilities for search, post-disasters damage assessment, training, and more.

# **EMERGENCY SERVICES**

### **Search and Rescue**





85%
Inland Searches

# PROFESSIONAL VOLUNTEERS

Civil Air Patrol's 37,000 professionally trained volunteer emergency responders conduct about 85% of inland search and rescue in the U.S. as assigned by the Air Force Rescue Coordination Center (AFRCC) and other agencies.



CPR and other training for cadets and adults has enabled members to render lifesaving treatments in emergency situations.

## **EMERGENCY SERVICES**

### **Tech Innovation**

Used at the highest levels of government, local, state, and national agencies rely on CAP's information-gathering capabilities conducted by volunteers after disaster strikes to expedite damage assessment, recovery efforts, and relief for those impacted.



President Joe Biden, aboard Air Force One, reviews detailed information provided by CAP's geographic information systems (GIS) team showing the wildfires in Maui. Essential data like this provided to key agencies quickly helps expedite the process of getting assistance to those impacted by disaster.



#### RADAR ANALYSIS

Google Earth search maps produced by CAP's Radar Analysis and Cell Phone Forensics teams narrow search areas to expedite rescue and recovery.



### CELLPHUNE FURENSIL

# ADVANCED TECHNOLOGY

GEOSPATIAL CAPABILITIES

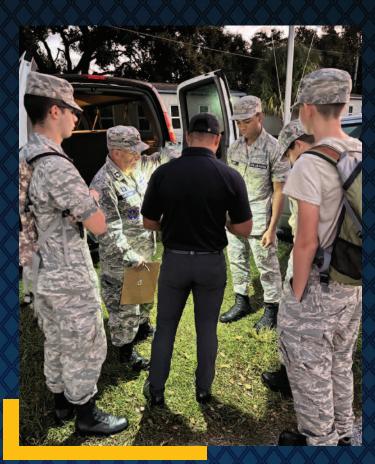
CAP uses proprietary cellphone forensics and radar analysis technology, employed in nearly half of the 455 searches conducted in 2023, to reduce the response time to find a missing or injured person, which is critical in saving lives. CAP was credited with saving 60 people in the past year — an average of more than one life per week.

A growing suite of capabilities based on geographic information systems data has made CAP a recognized leader in this emerging technology. New lifesaving and damage assessment products are being developed to support local, state, and federal agencies at every level.

# **COMMUNITY SERVICE**

# \$253M Volunteer Service

Civil Air Patrol serves in countless ways in communities nationwide. The collective contribution of its volunteers, conservatively estimated, exceeded \$253 million in volunteer service.





**SEARCH AND RESCUE** 

CAP's volunteers are professionally trained to federal standards to find and medically assist the lost and injured.

**EMERGENCY OPERATIONS COMMAND CENTER** 

CAP's network of more than 15,000 radios and repeaters makes it easy to communicate both on the ground and in the air.











# MISSION SUPPORT

## **Humanitarian Missions**

One of Civil Air Patrol's roles in a Defense Support of Civil Authorities (DSCA) capacity is to respond to emergencies to help relieve human suffering — something CAP does every day.



In addition to hosting blood drives and transporting blood where needed, many CAP volunteers like these in Puerto Rico are also regular donors.





# Cadet parents received an appreciation chip from Capt. Elias Roman-Rivera (right) who organized a blood drive during a CAP conference in Puerto Rico. Fifty-three units of blood were collected during the eight-hour event.

# OPERATION PULSE LIFT

The nation's blood supply remains at a critically low level. Civil Air Patrol's Operation Pulse Lift helps key partners like the American Red Cross meet their lifesaving objectives by collecting and transporting blood.

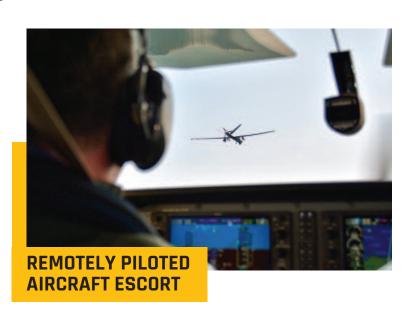
By year's end, Operation Pulse Lift had collected more than 30,000 units of blood through 500 blood drives nationwide since the pandemic began.

Because every donation of a unit of blood has the potential to save three people, CAP has contributed to saving as many as 90,000 more lives through this one humanitarian mission.

## MISSION SUPPORT

# **Joint Training**

Acting in its role as the Air Force auxiliary, Civil Air Patrol plays an essential role as a low-cost, highly capable professional training partner for essential missions like Remotely Piloted Aircraft escorts, Rated Preparatory Program, Green Flag, a variety of intercept training exercises, and much more.







Twice annually, CAP hosts a Rated Preparatory Program (RPP) to help active-duty airmen like these prepare to enter undergraduate pilot training. More than 450 Air Force personnel have completed the program, and 55% percent of these RPP grads have come from underrepresented groups — women, African American, Asian American, Latino, Hispanic, and other persons of color.

### **TOTAL FORCE PARTNER**

In 2023, more than 75% of CAP's flying hours involved Air Force-assigned missions. CAP provided air defense training and critical homeland security missions like Operation Noble Eagle intercept training (below). CAP also provided escorts of remotely piloted aircraft (left) from units across the nation, which plays a key role in the training of Air Force active-duty and Guard RPA pilots.

75% Flying Hours Assigned by Air Force



### MISSION SUPPORT

#### **MISSION TYPES**

#### **Joint Training Participation**

- · Operations Green Flag East and West
- Operation Noble Eagle
- Joint Surveillance Target Attack Radar System (JSTARS)
- Surrogate Remotely Piloted Aircraft (SRPA)
- Low-level route surveys
- Southern border patrol for Task Force North
- · AeroNET Communications Networking

#### Other Military Missions

- Naval vessel escort
- Small Unmanned Aircraft Systems airbase counter-threat
- Test mission support (e.g., providing targets for military sensors to find)
- Base security and planning support
- Transporting military personnel (e.g., Coast Guard Operation Nome and medical support to remote Alaskan communities)
- Base fire patrol
- · Various nonpublicized sensitive missions
- · HF communications support

#### **Flight Training Missions**

- Orientation flights (CAP, Junior ROTC, and ROTC)
- Flight academies
- Cadet Wings
- Rated Preparatory Program (Air Force)
- · Certificated flight instructor program
- Remote pilot training and recurrency (small Unmanned Aircraft Systems)
- Pilot proficiency and recurrency training
- Mountain flying clinics

#### **Search and Rescue Missions**

- · Air and ground teams
- National Cell Phone Forensics Team search
- · National Radar Analysis Team search
- Small Unmanned Aircraft Systems search
- Sundown coastal, river, and bay patrol

#### **Emergency Services (technology)**

- · High-definition imagery and video
- · Light Detection and Ranging (LIDAR 3D scanning)
- Forward Looking Infrared (FLIR)
- MX-15 sensor ball
- Geospatial capabilities (orthomosaic)
- Cellphone forensics
- · Radar analysis

#### Other Emergency Services Missions

- Wildfire damage photography (air and ground)
- Flood damage photography (air and ground)
- Hurricane damage photography (air and ground)
- Tornado damage photography (air and ground)
- Earthquake damage photography (air and ground)
- Ice dam photography (air)
- Tsunami warning system (airborne)
- Airborne communications relay

#### Miscellaneous Missions

- Teacher Orientation Program (TOP) Flights
- Operation Pulse Lift (blood collection and transport)
- Community service (staffing distribution centers)
- · Supplies and equipment delivery
- Nationwide and state communications networks (FM, VHF, and HF)
- · Training service dogs for air transport
- · Bird migration tracking

#### **CHAPLAIN CORPS**



With more than 400 chaplains and 700 character development instructors, Civil Air Patrol's post-disaster and related humanitarian missions are supported by one of the nation's largest and professionally trained civilian Chaplain Corps. These men and women serve the spiritual resilience and wellbeing of CAP members, U.S. Air Force personnel, and other Department of Defense and federal, state, and local partners.

400 CHAPLAINS

### **MAUI FIRE RESPONSE**

Following the deadly Maui wildfires in August, a Civil Air Patrol chaplain support team was embedded with ground teams working on the devastated Hawaiian island, providing outreach to shelters and encampments. While the ground teams were distributing water and supplies, the chaplains provided emotional and spiritual care for survivors and first responders.



## YOUTH DEVELOPMENT

# ADVENTURE ABOUNDS

Civil Air Patrol youth membership topped 29,000 in 2023, setting a 30-year record. Youth experience the thrill of aviation and participate in a wide variety of activities, like cybersecurity, honor guard, engineering, flight training, lifesaving and survival techniques, search and rescue, and more.

29,332 cadets



Obstacle courses that are part of many of the cadet program's national cadet special activities (NCSAs) help youth to develop their leadership and teamwork skills. The challenges are also designed to build confidence and foster the cadets' esprit de corps.







# AN OPPORTUNITY FOR GROWTH

From weekly meetings to weekend activities, to special activities and encampments, the CAP cadet experience is more dynamic than any other youth development and leadership program in the country. The program educates youth in four main program areas — leadership, aerospace, physical fitness, and character development.

### "O-RIDES" RECORD

Every CAP cadet is eligible for multiple orientation flights in powered aircraft and gliders, and this past year was no exception. In fact, CAP pilots provided 37,356 "o-rides" to CAP, Air Force ROTC, and Junior ROTC cadets in 2023, accumulating a record 14,451 cadet orientation flight hours.



In addition to orientation flights, CAP cadets often are treated to rides aboard military aircraft. Here, cadets from Alabama enjoy a flight in an Army National Guard CH-47 helicopter.

37,356 0-Rides

# YOUTH DEVELOPMENT

## **Special Activities**



#### **Unparalleled Opportunities**

Civil Air Patrol cadets have opportunities to explore interests and possible career options, develop and hone leadership skills, be mentored by professionals from all walks of life, and serve their communities, unlike participants in any other youth program.

National Flight Academy – Florida Powered Flight Academy

Camp Blanding, Florida

National Character and Leadership Symposium

U.S. Air Force Academy, Colorado Springs, Colorado

**Civic Leadership Academy** Washington, D.C.

Northeast Region New Hampshire Wing Noncommissioned Officer Leadership School (Winter) Regional Training Center,

Pembroke, New Hampshire

National Flight Academy – Texas Wing Shirley Martin Cadet Powered Flight Academy Nacogdoches, Texas

Air Force Pararescue and Survival
Orientation Course
Kirtland AFB, New Mexico

National Flight Academy – Great Lakes Region Powered Flight Academy Oshkosh, Wisconsin

National Flight Academy – Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Week 1 Powered) Mattoon, Illinois Space Operations Academy – Colorado

Peterson SFB, Colorado

National Flight Academy – Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Balloon) Mattoon, Illinois

National Flight Academy – North Central Region Powered Flight Academy

Fremont, Nebraska

National Flight Academy – Southwest Region Powered Flight Academy Ada, Oklahoma

National Flight Academy – Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Glider) Mattoon, Illinois

National Flight Academy – Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Week 2 Powered) Mattoon, Illinois

National Emergency Services
Academy (Summer)
Camp Atterbury, Indiana

National Flight Academy – Northeast Region Glider Academy Farmers Pride, Fredericksburg, Pennsylvania National Flight Academy – Great Lakes Region Advanced Flight Training Academy Camp Atterbury, Indiana

Air Force Specialized Undergraduate
Training Familiarization Course
Laughlin AFB, Texas

**Cyberspace Networking Course** Hampton Roads, Virginia

Cyberspace Operations Fundamentals Course Hampton Roads, Virginia

National Flight Academy – Maryland Wing Robert Ayres Solo School Powered Flight Academy Hagerstown, Maryland

National Flight Academy – Southwest Region Glider Flight Academy Socorro, New Mexico

Air Force Specialized Undergraduate
Training Familiarization Course
Columbus AFB, Mississippi

National Flight Academy – New Jersey Wing Falcon Flight Academy Joint Base McGuire-Dix-Lakehurst, New Jersey

National Flight Academy – Southeast Region Glider Flight Academy

Tullahoma, Tennessee



CAP develops the traits that tomorrow's civic, military, and business leaders need to be successful — servant leadership, compassion, problem-solving abilities, and a sense of community.

Our youth make up about 10% of each U.S. Air Force Academy class. CAP cadets who achieve a specific requirement enlist in the Air Force, U.S. Army, and Coast Guard at a higher pay grade.

Hawk Mountain Search & Rescue School (One-Week Course) Kempton, Pennsylvania

Hawk Mountain Search & Rescue School (Half-Week Course) Kempton, Pennsylvania

Hawk Mountain Search & Rescue School (Field Medic Staff) Training Course Kempton, Pennsylvania

National Flight Academy – Texas Wing Glider Flight Academy (South) Waller, Texas

**Engineering Technology Academy**Middle Tennessee State University,
Murfreesboro, Tennessee

Canadian Exchange – Advanced
Aviation Course
Canadian Forces Base Borden,

Ontario, Canada

**International Air Cadet Exchange**Worldwide

Air Force Pararescue and Survival
Orientation Course (Advanced)
Davis-Monthan AFB, Arizona

**National Cadet Competition**Wright State University,
Dayton, Ohio

Space Operations Academy – Florida Patrick SFB, Florida National Flight Academy – Mid-Atlantic Region Col. Roland Butler Powered Flight Academy Camden, South Carolina

Northeast Region New Hampshire Wing Noncommissioned Officer Leadership School (Summer) Fort Devens, Massachusetts

**Cadet Officer School**Maxwell AFB, Alabama

National Blue Beret
Oshkosh, Wisconsin

National Flight Academy – Washington Wing Desert Eagle Joint Flight Academy (Powered) Ephrata, Washington

Texas Wing Medical Orientation and Training School Course Nacogdoches, Texas

National Flight Academy – New York Wing Powered Flight Academy Syracuse, New York

**Air Force Civil Engineering Academy** Tyndall AFB, Florida

Washington Wing Ground Search and Rescue Academy Joint Base Lewis-McChord,

Joint Base Lewis-McChord, Washington

**Aircraft Manufacturing Academy** Wichita, Kansas

**Cyberspace Networking Course** Lackland AFB, Texas Cyberspace Operations
Fundamentals Course
Lackland AFB, Texas

Mid-Atlantic Region Honor Guard Academy – Advanced State Military Reservation, Virginia Beach, Virginia

Mid-Atlantic Region Honor Guard Academy – Basic State Military Reservation, Virginia Beach, Virginia

Mid-Atlantic Region Honor Guard Academy – Cadet Cadre State Military Reservation, Virginia Beach, Virginia

Washington Wing Green Darner
Cyber Education Camp
Joint Base Lewis-McChord,
Washington

Aviation and Aeronautics Business
Academy
Vaughn College,
Queens, New York

National Flight Academy –
Northeast Region Glider Flight
Academy Week 1
Springfield, Vermont

# YOUTH DEVELOPMENT

## **Career Exploration**

More than 50 hands-on National Cadet Special Activities, which include flight training academies, provide CAP cadets with exposure to potential aviation/STEM education career opportunities. Through CadetInvest, youth can explore all opportunities, earning academic and flight scholarships as well as financial assistance.



Cadets have numerous opportunities to explore careers in various fields like engineering, aerospace, manufacturing, electronics, cyber security, emergency services, and much more.





Cadets and staff from Washington pose for a photo following a programming session at the Microsoft campus, part of the wing's Green Darner Cyber Education Camp.



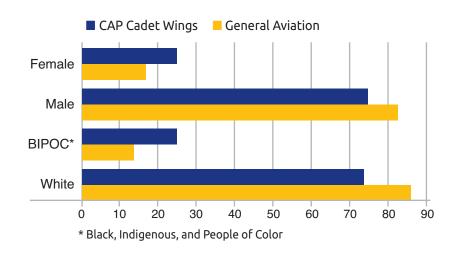
50+

**Special Activities** 

### **YOUTH AVIATION**

Civil Air Patrol's large fleet and experienced flight instructors create the opportunity to contribute mightily to overcoming the nation's looming pilot shortage.

CAP offers a variety of flying programs that encourage qualified cadets to pursue flight training, starting with orientation rides and potentially leading to flight academies, through private pilot training.



#### **CADET WINGS**

Flight programs like Cadet Wings make training a reality for many who have dreamed of becoming a pilot but experienced barriers to entry.

Since its inception five years ago, more than 280 cadets like these below have become pilots. Some are now CAP-qualified aircrew members flying missions, and others are pursuing military and commercial aviation careers.





# **EDUCATION**

Civil Air Patrol is chartered by Congress to promote aerospace education. Working with educators in the classroom and volunteer professionals, CAP provides nearly 6,000 educator members with more than 40 free educational curricula primarily focused on aviation and aerospace.



### STUDENT ENGAGEMENT

Curricula, including activity books, textbooks, and STEM Kits, engage learners as young as 4, continue through K-12, and extend to college-level textbooks.

# TEACHER ENGAGEMENT

CAP engages and inspires educators by allowing them to experience the science of flight through the Teacher Orientation Program (TOP) Flight program. In 2023, 381 teachers flew with CAP pilots, sometimes flying over their schools while talking to students on the ground to ignite a curiosity and passion for flight among educators and students alike.

Students too young to join CAP are encouraged to pursue STEM activities through targeted lesson plans and activities.





# **EDUCATION**

### **STEM Kits**

The Civil Air Patrol aerospace education team develops, publishes, and distributes national academic standards-based aerospace/STEM curricula for kindergarten through college classrooms, impacting more than 600,000 K-12 students each year. STEM Kits associated with aviation include astronomy, flight simulations, model and remote-controlled aircraft, robotics, rocketry, weather, hydraulic engineering, and computer programming.

20+

**STEM Kits** 



### **EDUCATION**

# Aerospace Connections in Education (ACE)

Aerospace Connections in Education is a free, fun, interactive aerospace/STEM program used by CAP's teacher members. It is designed to engage and inspire K-6 youth toward an interest in aviation, space, and other STEM-related careers. ACE educators receive full lesson plans and the materials needed that can be used to conduct many of the STEM lessons, saving them hundreds of hours in planning.

A new record was set in the 2022-2023 school year with nearly 100,000 ACE students (a 15% increase from the previous year). Since its inception in 2007, the program has reached more than 600,000 students in elementary schools nationwide, including many in America's Title 1 schools. There are 525 schools now enrolled in ACE and 607 total teachers (276 of whom were Title 1 teachers).



# ACE OUTCOMES REPORTED BY TEACHERS

- 75% noticed an increased interest in aerospace/STEM,
- 80% noticed improved teamwork,
- 70% noted improved behavior,
- 62% noticed improvements in test scores.
- 53% noticed improved attendance,
- 47% of teacher members work in a Title I school,
- 3,500+ K-12 schools use aerospace education products and programs across the nation,
- 1,650 teacher members who use aerospace education programs across the nation belong to homeschool associations, libraries, museums, universities, and other organizations.



### **NATIONAL DATA**

### 2024 Statistics

#### **FUNDING**

Federal Funding (FY23)
\$51.3 million operations &
maintenance
\$11.6 million aircraft procurement
\$1.9 million vehicle procurement

In-State Funding Received by CAP Wings (FY23) \$3,680,448

Federal Funding (FY22)

\$47.4 million operations and maintenance \$11.4 million aircraft procurement \$1.8 million vehicle procurement

In-State Funding Received by CAP Wings (FY22) \$2,877,581

#### **CONTACT INFORMATION**

National Commander/CEO

Maj. Gen. Edward D. Phelka ephelka@capnhq.gov

**Director, Government Relations** 

Col. John Swain 703-887-1749 jswain@capnhq.gov

**CAP National Headquarters** 

105 S. Hansell St., Bldg. 714
Maxwell AFB, AL 36112-5937
877-227-9142
GoCivilAirPatrol.com

#### **BOARD OF GOVERNORS** (as of 1/23/2024)

Civil Air Patrol's 11-member Board of Governors generates strategic policies, plans, and programs designed to guide and support the volunteer service of the organization's 52 wings. CAP's national commander and CEO, the organization's chief operating officer, and the CAP-USAF commander serve as advisers to the Board of Governors.

#### AIR-FORCE-APPOINTED MEMBERS

Retired U.S. Air Force Lt. Gen. Kirk Pierce, independent consultant U.S. Air Force Brig. Gen. Richard Dickens, vice commander, CONUS NORAD Region, 1st Air Force (AFNORTH)

U.S. Air Force Brig. Gen. Christopher Walker, independent consultant Retired U.S. Air Force Col. Don Kang (vice chair), director, Air Force Programs, DoD, Customer Requirements & Advocacy, BAE Systems (Arlington Plaza, Virginia)

#### **CIVIL AIR PATROL-SELECTED MEMBERS**

Col. John Longley (chair)
Col. Curtis Boehmer
Col. Brian Ready
Retired U.S. Air Force Chief Master Sgt. Robert Dandridge

### INDUSTRY-, GOVERNMENT-, AND EDUCATION-APPOINTED MEMBERS

Retired U.S. Air Force Brig. Gen. Bernie Skoch, chairman of the board, Air & Space Forces Association (Washington, D.C.)

Dr. Sharon DeVivo, president and CEO of Vaughn College of Aeronautics and Technology (New York City)

Amy Hudnall, retired director of the Georgia Center of Innovation-Aerospace (Atlanta)

#### ADVISERS TO THE BOARD OF GOVERNORS

Maj. Gen. Edward D. Phelka, CAP national commander/CEO U.S. Air Force Col. Aaron D. Reid, CAP-USAF commander John W. Desmarais, Sr., executive secretary/CAP chief operating officer

#### 2023 VALUE OF CAP MEMBERS' SERVICE HOURS

\$253,199,495

#### **MEMBERSHIP**

**Volunteer Members** 36,199 adult members 29,332 cadets

**Squadrons** 

1,416 locations statewide

#### **EMERGENCY RESPONDERS**

5,644 aircrew personnel 37,335 emergency responders

#### **EQUIPMENT**

Aircraft
544 single-engine
52 gliders
2 balloons

**Vehicles** 

1,075 vehicles

Interoperable Communications
768 VHF/FM repeaters
14,189 VHF/FM stations
2,416 HF stations

#### **TOTAL HOURS FLOWN**

101,584

#### **MISSIONS**

455 search and rescue missions 60 lives saved\* 230 finds\*

\*achieved with national team support

21 disaster relief missions

7 counterdrug and drug interdiction missions

278 air defense intercept training and evaluation missions

349 CAP, Air Force ROTC, and Junior ROTC cadet orientation flight missions

312 other Air Force support missions

1,172 training missions

62 other state support missions

214 other missions in support of partner agencies and organizations or local municipalities

#### Significant Events Supported in Fiscal Year 2023

Green Flag training

Remotely piloted aircraft (RPA) escort operations

Air defense intercept training support

Joint Task Force-North border operations

Rated Preparatory Program

Responses to hurricanes Ian, Nicole, and Hillary

Tornado response

Wildfire response

#### **Cadet Flying**

37,356 CAP, Air Force ROTC, and Junior ROTC cadet orientation flights





**CIVIL AIR PATROL** (CAP) is a congressionally chartered, federally funded, 501(c)(3) nonprofit corporation and the civilian auxiliary of the U.S. Air Force.

Operating in all 50 states, Puerto Rico (and the U.S. Virgin Islands), the District of Columbia, and over 1,400 communities nationwide, CAP's aviation-connected volunteer professionals are engaged community members from a wide range of backgrounds and professions. They perform Air Force-assigned missions as part of the organization's capacity as a Total Force partner.

CAP's core cadet and aerospace education programs are equally effective, providing a variety of innovative youth development initiatives and award-winning aviation/STEM resources.

Additionally, in its capacity as the auxiliary of the Air Force Total Force, Civil Air Patrol's highly skilled volunteers perform Air Forceassigned missions using low-cost aircraft, specialized communications and advanced imaging capabilities, and other technologies.

Returning \$3.70 in value for every \$1 spent, CAP provides unequaled value to our communities, states, and nation as a force for good.

Volunteers Serving America's Communities, Saving Lives, and Shaping Futures.

