



CIVIL AIR PATROL
U.S. AIR FORCE AUXILIARY



2022

Report to Congress

\$219M

VALUE

Volunteer Service to the Nation

\$170

PER FLIGHT HOUR

\$3:1

RETURN ON INVESTMENT

95K

FLIGHT HOURS

31K

ORIENTATION FLIGHTS

1,414

OPERATING LOCATIONS



60K

MEMBERS

35K Adults and
25K Youth

34K

EMERGENCY
PROFESSIONALS

525

SEARCH AND
RESCUE MISSIONS

391

FINDS

151

LIVES SAVED
Nationwide

A group of young aviation enthusiasts visit Civil Air Patrol's display at the world's largest airshow, EAA AirVenture.

 **CIVIL AIR
PATROL**
U.S. AIR FORCE AUXILIARY



\$3:1

Return on Investment

Irreplaceable National Resource

Unlike any other nonprofit, government agency, or corporation, Civil Air Patrol operates the world's largest fleet of single-engine piston aircraft, ready to deploy in every state and territory.

Returning \$3 in value for every \$1 spent, CAP provides unequalled value to our communities, states, and nation as a force for good.



95,182 Flight Hours

CAP's fleet includes four-, six-, and eight-place aircraft, float planes, gliders, and even two hot air balloons used for education and recruiting.



A CAP aircrew is deployed after a natural disaster to capture images used for damage assessment by various agencies.

Versatile, Flexible, Mobile, Air and Ground Fleet

Civil Air Patrol has a diverse aircraft fleet, special missions equipment, highly trained ground teams and aircrews, and a robust communications network to be deployed anywhere in the U.S. to assist local, state, and federal agencies in need. 



1,000+ Vehicles

CAP's fleet of piston-powered aircraft operates for a fraction of the cost of military aircraft.

\$12M + Annual Procurement



540 Aircraft

World's Largest Fleet Single-Engine Piston Aircraft

\$170

Per Flight Hour

Low-Cost, High-Value Training Partner

Civil Air Patrol fills a need no other training partner can match. Operating aircraft for only \$170 per flight hour makes CAP an unrivaled low-cost provider to help the Air Force achieve its pilot training objectives.




Twice annually, CAP hosts a Rated Preparatory Program to help active-duty airmen like these prepare to enter undergraduate pilot training.



75% Air Force-Assigned Flight Hours



Total Force Partner

In its role as the Air Force auxiliary, Civil Air Patrol conducts air defense training and other critical homeland security missions for America. More than 75% of CAP's flying hours in 2022 were on Air Force-assigned missions. 

MISSIONS

Operation Noble Eagle

Intercept training with CAP aircraft acting as targets of interest is an important readiness exercise that occurs nationwide. In addition to the nation's capital, temporary flight restrictions occur almost daily, requiring local defenders to act.

Diverse Training Capabilities

Working as a team, Civil Air Patrol aircrews participate in joint training exercises and play a key role as a training partner.



JSTARS

CAP aircrews participating in the Joint Surveillance Target Attack Radar System (JSTARS) play a key role in the proficiency training of airborne battle managers.

Missions


Joint Training

Disaster Response



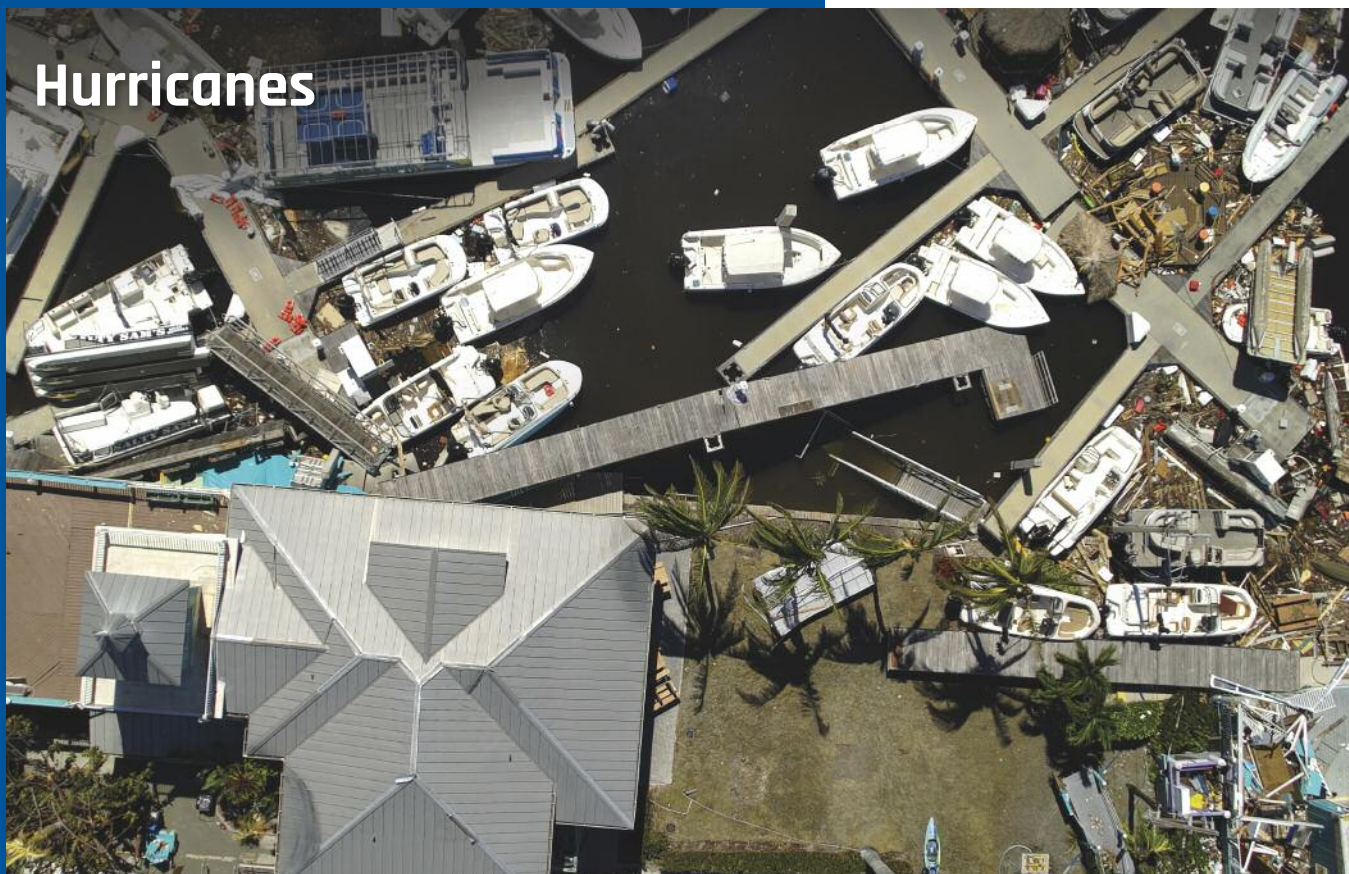
Wildfire

**Flexible
Versatile
Professional**

Requests from local, state, and federal agencies for high-definition photographic, video, and other digital visual assets are assigned to more than 5,300 aircrew members operating CAP's fleet of fixed wing aircraft and small unmanned aerial systems. 



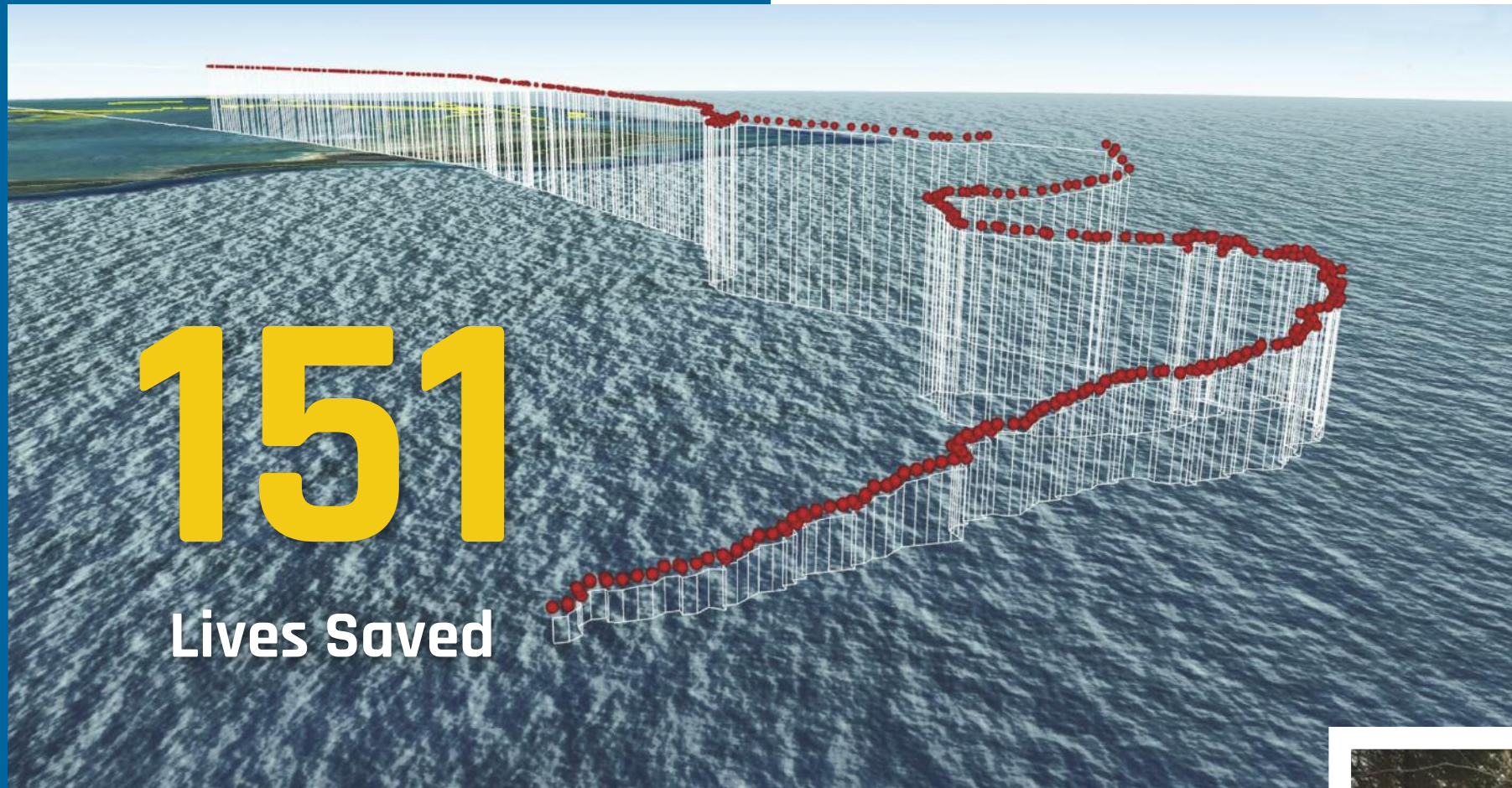
Ice Jams



Hurricanes



Flooding




151
Lives Saved

Lifesaving Technology

Using proprietary cellphone forensics and radar analysis technology (used in 95% of 525 searches in 2022), CAP was credited with saving 151 lives — making it one of the most successful years ever for the U.S. Air Force auxiliary’s search and rescue efforts.

The “Go-to” Resource

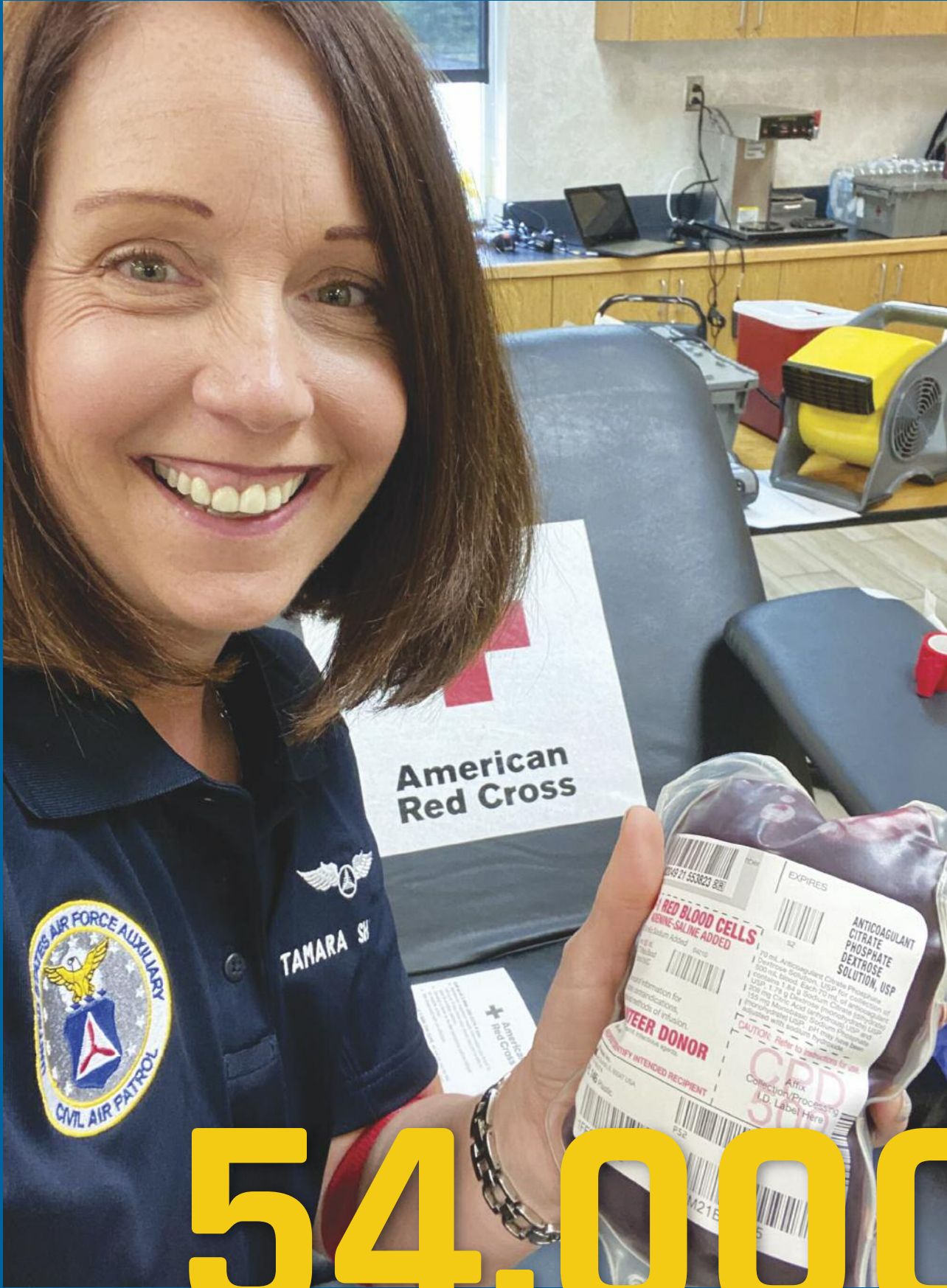
State, local, and federal agencies call Civil Air Patrol as a versatile post-disaster resource and to help find downed aircraft, lost or injured hikers, stranded motorists, adrift boaters, missing persons, or people trapped by rising water, advancing forest fires, and more. 

This CAP radar analysis of a plane crash at sea helped the U.S. Coast Guard rapidly locate the survivors in the vastness of the ocean.



The three survivors of this crash, one with a broken back, would have perished due to exposure and hypothermia overnight without the coordination of CAP’s innovative radar analysis and cellphone forensics teams.

SAVING LIVES



54,000



Operation Pulse Lift

Humanitarian Missions

Transporting medical supplies, operating emergency blood donation centers, and distributing food, water, and other essential items following natural disasters are examples of compassion missions CAP members routinely execute.

Civil Air Patrol's Operation Pulse Lift mission illustrates volunteers' efforts to serve their communities and save lives. By year's end, the effort launched to assist the American Red Cross in response to the COVID-19 pandemic had marked its 1,000th mission day, and more than 18,000 units of blood had been collected.


More Lives Saved

Emergency Services

Humanitarian

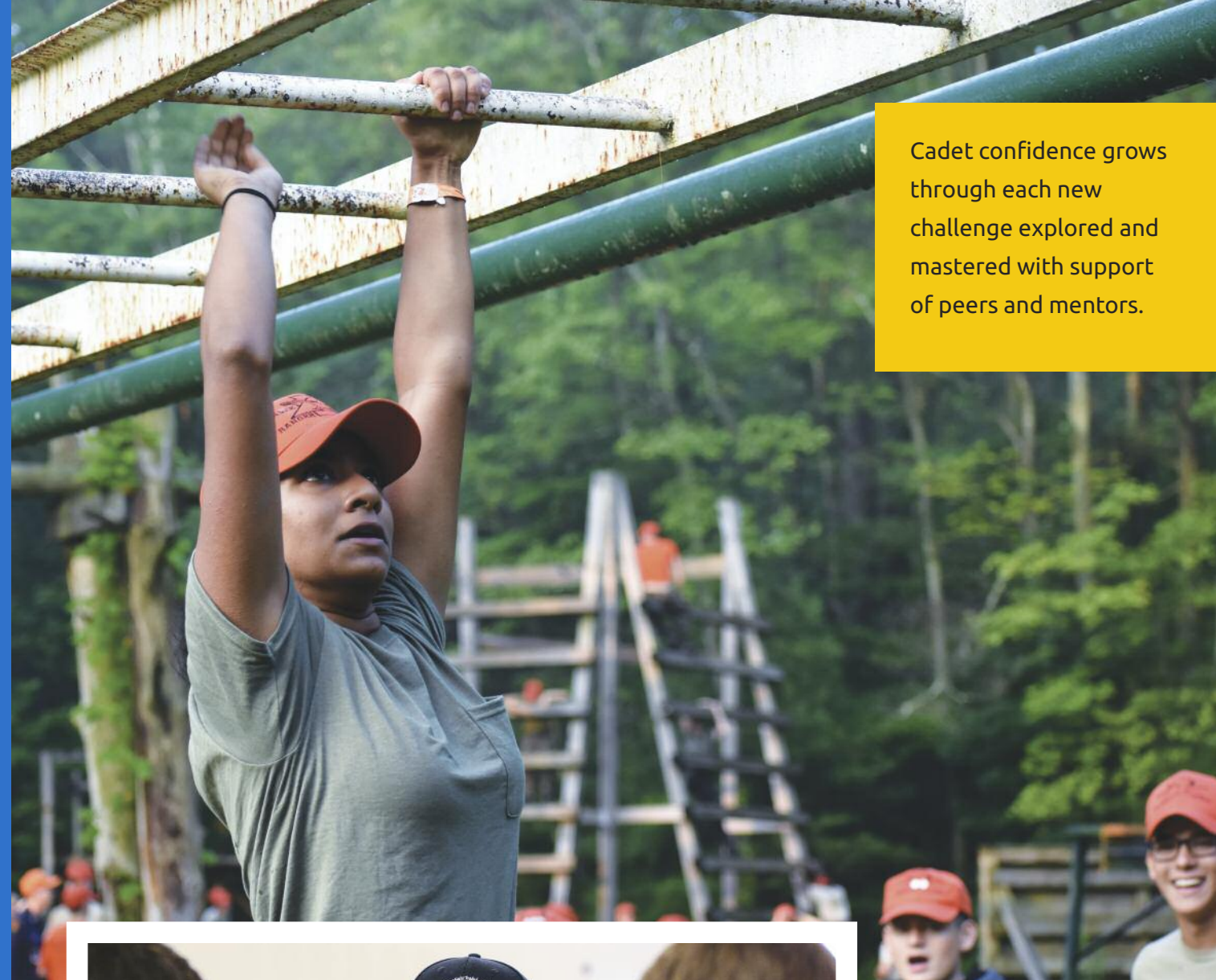
25,365 Cadets

Adventure Abounds

CAP cadets 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. 



Every cadet is eligible for multiple orientation flights. Many go on to pursue flight training.




Cadet confidence grows through each new challenge explored and mastered with support of peers and mentors.



Hands-on activities provide CAP cadets with exposure to potential career opportunities.


Servant Leadership

Developing Tomorrow's Leaders Today

For youth ages 12-18, CAP's breadth of programs helps develop the traits that tomorrow's civic, military, and business leaders need to be successful — confidence, character, physical and mental fitness, compassion, problem-solving abilities, and a sense of community and servant leadership. 



Youth Engagement and 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. 

Cadets serve their communities at a distribution center for essential supplies in the wake of natural disaster.



Diversity - Equity - Inclusion

Outperforming the General Aviation Industry

CAP is making flight training a reality for many who may never have dreamed of becoming a pilot.




A diverse group of cadets from a flight training academy in 2022.

| | CAP Cadet Wings | General Aviation |
|--------|-----------------|------------------|
| Female | 21% | 17% |
| Male | 79% | 83% |
| BIPOC* | 24% | 14% |
| White | 76% | 86% |

* Black, Indigenous, and People of Color

Youth Aviation Initiatives

Civil Air Patrol's contribution to the nation's looming pilot shortage leverages the world's largest fleet of single-engine aircraft and experienced instructors.

CAP offers programs that take interested and qualified cadets from orientation flights to flight academies, through private pilot training. 

Breaking




Barriers

500K Students Impacted

K-12 Curriculum

The curriculum Civil Air Patrol provides for K-12 classrooms nationwide includes hands-on learning.

Educational products developed by CAP are making an impact on hundreds of thousands of students each year, including many in America's Title 1 schools. 



Field trips to nearby airports allow students, who may otherwise never have an opportunity, to see an aircraft up close and talk to a pilot.




Teachers also experience the thrill of flight with orientation rides that sometimes fly over their schools so they can broadcast the experience to the students below.

STEM Kits

STEM Kits for Ages 4+

Twenty-two different STEM Kits are available free of charge to a growing number of cadets and Civil Air Patrol teacher members.

Kits focus on hydraulic, robotics, coding, flight, engineering, astronomy, rocketry, renewable energy, navigation, electronics, and more. 



CAP cadets also benefit from the STEM Kits. The kits are credited with increasing their interest in STEM as well as aerospace/aviation.




Bee Bots

About 80% of the K-12 students who use the STEM Kits in their classrooms say they too are interested in aerospace and aviation careers.


Classroom Support

Aerospace Connections in Education (ACE)

The ACE program uses CAP's aerospace theme and integrates academics, character, and physical fitness. Nearly 85,000 students participated in the ACE program school year — a 41% increase. 



ACE-Plus

This program connects Civil Air Patrol squadrons to classrooms to provide aerospace/STEM support, student mentorship, and an introduction to CAP. Students involved in this squadron adoption program share in the benefits and growth opportunities of the cadet program like leadership development, flight training, and more. 

Mission Types

Joint Training Participation

- Operation 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
- SUAS 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 (CAP)
- Rated Preparatory Program (Air Force)
- Certificated flight instructor program
- Remote pilot training and recurrency (small Unmanned Aerial System)
- Pilot proficiency and recurrency training
- Mountain flying clinic

Search and Rescue Missions

- Air and ground teams
- National Cellphone Forensics Team search
- National Radar Analysis Team search
- Small Unmanned Aerial System 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

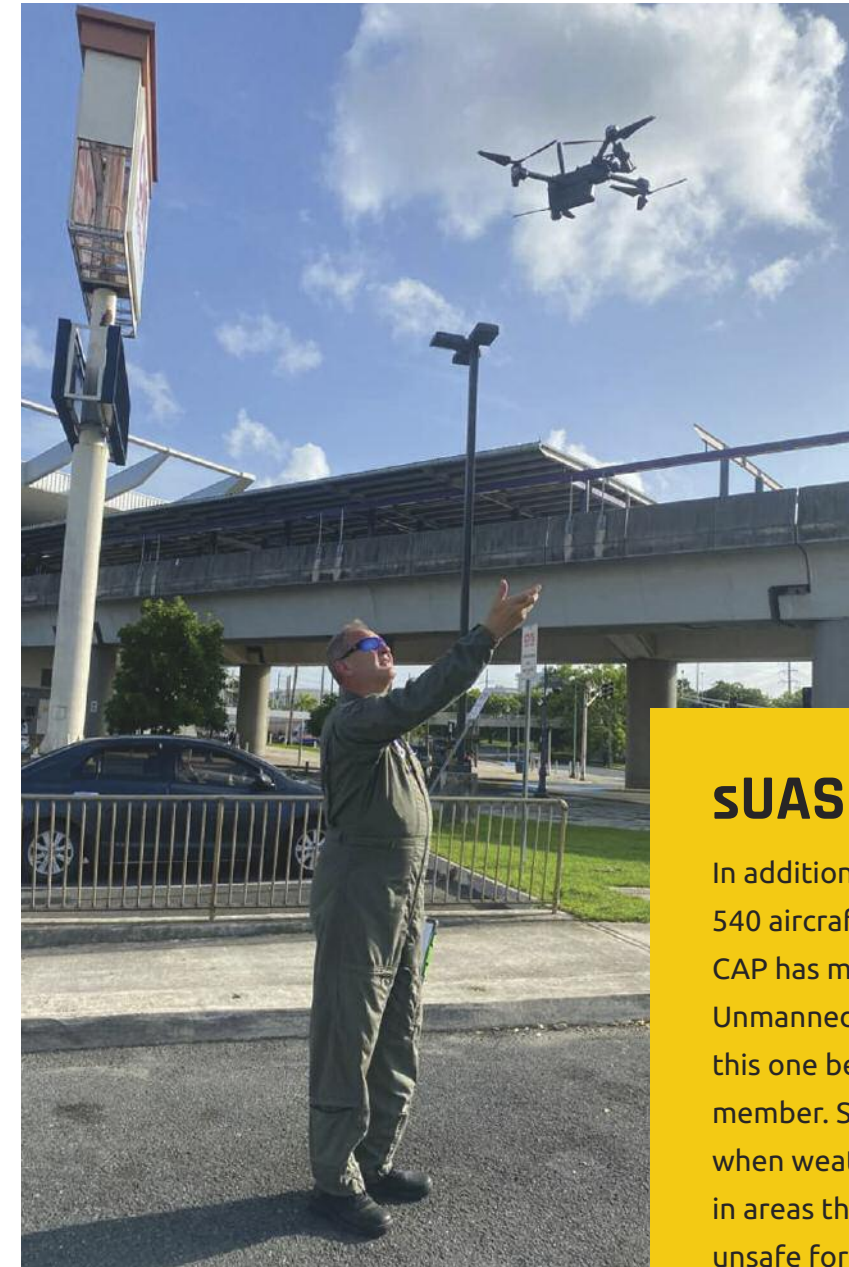
- Wildfire damage photography (air and ground)
- Flood damage photography (air and ground)
- Hurricane damage photography (air and ground)
- Tornado damage photography (air and ground)
- Earthquake damage photography (air and ground)
- Ice dam photography (air and ground)
- Tsunami warning system (airborne)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

Mission Diversity

Civil Air Patrol's diverse corps of 60,000 auxiliary airmen, adults, and youth volunteers completes a wide array of missions requested by local, state, and federal agencies. 




sUAS

In addition to the more than 540 aircraft and 1,000 vehicles, CAP has more than 2,250 small Unmanned Aerial Systems like this one being deployed by a CAP member. Small drones can be used when weather is too poor to fly or in areas that may be otherwise unsafe for aircraft or personnel.

Cadet 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. 



Youth Leadership Development

- International Air Cadet Exchange** (worldwide)
- Cadet Officer School**
Maxwell AFB, Alabama
- National Blue Beret**
Oshkosh, Wisconsin
- National Character & Leadership Symposium**
U.S. Air Force Academy, Colorado Springs, Colorado
- National Cadet Competition**
Wright State University, Dayton, Ohio
- Northeast Region Honor Guard Academy**
Joint Base Cape Cod, Massachusetts
- Mid-Atlantic Region Honor Guard Academy, Basic & Advanced**
State Military Reservation, Virginia Beach, Virginia
- Pacific/Rocky Mountain Regions Honor Guard Academy, Basic & Advanced**
U.S. Air Force Academy, Colorado Springs, Colorado

National Flight Academies

- Air Force Specialized Undergraduate Training Familiarization Course**
Columbus AFB, Mississippi
- Air Force Specialized Undergraduate Training Familiarization Course**
Laughlin AFB, Texas
- Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Glider)**
Mattoon, Illinois
- Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Powered)**
Mattoon, Illinois
- Illinois Wing Lt. Col. Raymond Johnson Flight Academy (Balloon)**
Mattoon, Illinois
- Maryland Wing Robert Ayers Solo School Powered Flight Academy**
Hagerstown, Maryland
- New Jersey Wing Falcon Flight Academy**
Lakehurst NAS, New Jersey

- Texas Wing Glider Flight Academy**
Waller, Texas
- Great Lakes Region Advanced Flight Training Academy**
Columbus, Indiana
- Texas Wing Shirley Martin Cadet Powered Flight Academy**
Nacogdoches, Texas
- Utah Wing Day School Powered Flight Academy**
Price, Utah
- Washington Wing Desert Eagle Joint Flight Academy**
Ephrata, Washington
- Great Lakes Region Powered Flight Academy**
Oshkosh, Wisconsin
- North Central Region Powered Flight Academy**
Fremont, Nebraska
- Northeast Region Glider Flight Academy**
Springfield, Vermont
- Northeast Region Glider Flight Academy**
Farmers Pride, Fredericksburg, Pennsylvania

Mid-Atlantic Region Col. Roland Butler Powered Flight Academy
Camden, South Carolina

Southwest Region Flight Academy (Powered)
Shawnee, Oklahoma

North Central Region Glider Flight Academy
Yoder, Kansas

Pacific/Rocky Mountain Regions Glider Flight Academy
Wendover, Utah

Southeast Region Glider Flight Academy
Tullahoma, Tennessee

Southwest Region Glider Flight Academy
Clovis, New Mexico

Emergency Services & Disaster Relief Training

Hawk Mountain Search & Rescue School
Kempton, Pennsylvania

Air Force Pararescue & Survival Orientation Advanced Course
Davis-Monthan AFB, Arizona

National Emergency Services Academy
Camp Atterbury, Indiana

Utah Wing Desert Scorpion Search & Rescue Academy
Wendover Airfield, Utah

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

Cyber Defense Training

Cyberspace Networking Course
Lackland AFB, Texas

Cyberspace Networking Course
Hampton Roads, Virginia

Great Lakes Region Cyber-security Academy – IOT/OT
Big Rapids, Michigan

Great Lakes Region Cyber-security Academy – Networking
Big Rapids, Michigan

Great Lakes Region Cyber-security Academy – Systems
Big Rapids, Michigan

Other Opportunities

Aircraft Maintenance & Manufacturing Academy
Wichita, Kansas

Air Force Civil Engineering Academy
Tyndall AFB, Florida

Engineering Technologies Academy
Middle Tennessee State University, Murfreesboro

Engineering Technology Academy – Robotics Basic
U.S. Air Force Academy, Colorado Springs, Colorado

Engineering Technology Academy – Robotics Advanced
U.S. Air Force Academy, Colorado Springs, Colorado

Texas Wing Medical Orientation & Training School Course
Nacogdoches, Texas

Space Force Operations Academy – Colorado
Peterson SFB, Colorado

Space Force Operations Academy – Florida
Patrick SFB, Florida



2022 Statistics

FUNDING

Federal Funding (FY22)

\$47.4 million operations & maintenance

\$11.4 million aircraft procurement

\$1.8 million vehicle procurement

In-State Funding Received by CAP Wings (FY22)

\$2,877,581

Federal Funding (FY21)

\$43.2 million operations & maintenance

\$11.2 million aircraft procurement

\$1.8 million vehicle procurement

In-State Funding Received by CAP Wings (FY21)

\$2,519,388

BOARD OF GOVERNORS

(as of 12/31/2022)

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 chief executive officer, the organization's chief operating officer, and the CAP-USAF commander serve as advisers to the Board of Governors.

Air Force-Appointed Members

Lt. Gen. Kevin McLaughlin, USAF (Ret.), Independent Consultant (Chairman)

Maj. Gen. Cedric D. George, USAF (Ret.), Director, DoD Strategic Business Development, Amazon Web Services

Brig. Gen. Richard Dickens, USAF Vice Commander, CONUS NORAD Region, 1st Air Force (AFNORTH)

Col. Don Kang, USAF (Ret.) Director, Air Force Programs, DoD Customer Requirements & Advocacy, BAE Systems (Arlington Plaza, Virginia)

Civil Air Patrol-Appointed Members

Col. Curtis Boehmer, CAP Member-at-Large (Vice Chairman)

Col. John Longley, CAP Member-at-Large

Col. Larry Ragland, CAP Member-at-Large

Col. Brian Ready, CAP Member-at-Large

Industry, Government, and Education Appointed Members

Brig. Gen. Bernie Skoch, USAF (Ret.), Chairman of the Board, Air & Space Forces Association

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

Ms. 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

Col. Tyler Frander, USAF, CAP-USAF Commander

John Salvador, Executive Secretary/Chief Operating Officer, CAP

2022 VALUE OF CAP MEMBERS' SERVICE HOURS

\$219,265,664

MEMBERSHIP

Volunteer Members

34,760 adult members

25,365 cadets

Squadrons

1,414 operating locations

EMERGENCY RESPONDERS

5,391 aircrew personnel

33,931 emergency professionals

EQUIPMENT

Aircraft

544 single-engine

53 gliders

2 balloons

Vehicles

1,098 vehicles

Interoperable Communications

741 VHF/FM repeaters

13,294 VHF/FM stations

2,314 HF stations

TOTAL HOURS FLOWN

95,182

MISSION ACTIVITY

525 search and rescue missions

151 lives saved*

391 finds*

*achieved with national team support

35 disaster relief missions

7 counterdrug and drug interdiction missions

213 air defense intercept training and evaluation missions

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

300 other Air Force support missions

1,215 training missions

74 other state support missions

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

Significant Events Supported in Fiscal Year 2022

Wildfire response; tornado response; Green Flag; RPA escort operations; air defense intercept training; Joint Task Force North Border Operations; Rated Preparatory Program; Hurricane Fiona; Hurricane Ian

Cadet Flying

30,920 CAP, Air Force ROTC, and Junior ROTC cadet orientation flights

CONTACT INFORMATION

National Commander/CEO

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Civil Air Patrol is a unique public service organization of national interest to Congress.

- CAP is a congressionally chartered, federally funded, nonprofit corporation and the civilian auxiliary of the United States Air Force.
- Operating in every state and thousands of communities, CAP conducts Air Force-assigned missions, emergency services, disaster response, community youth programs, and aerospace education.
- CAP is comprised of aviation-connected volunteer professionals and engaged community members from a wide range of backgrounds and professions.
- CAP programs and missions involve highly skilled personnel, low-cost aircraft and vehicles, specialized communications, and advanced imagery, and other technologies. 

Volunteers serving America's communities, saving lives, and shaping futures.

