



Charlotte

145th Airlift Wing 2018 Annual Report





CONTENTS

4-5	Meet the Commander
6	Vision, Mission & Goals
7	145th AW Priorities
8-9	Worldwide Reach
10-11	Humanitarian Support
12-13	Operational Readiness
14-15	Aeromedical Evacuation
16-17	Diverse Force Structure
18-19	Sustainable Infrastructure
20-21	Geographically Separated Units
22-23	Conversion Timeline
24-25	Community Outreach
26	Economic Impact
27	Notable Accomplishments
28	Starbase

MEET THE COMMANDER

COLONEL BRYONY TERRELL



“ *A direct reflection of the hard work and dedication the members of the 145th Airlift Wing consistently put in to our state, nation and country.* ”

“

Leaders, Colleagues, & Citizens of the great state of North Carolina,

It is my pleasure to present to you the first ever Annual Report for the 145th Airlift Wing. The report in the following pages captures a glimpse of our outstanding accomplishments for Fiscal Year 2018. The wing has experienced an abundance of change over the last year, from the departure of the beloved C-130 after 40 years, to the arrival of our C-17s, and ending the year providing world class support to the coast of the Carolinas following the devastation from Hurricane Florence.

Our annual report is a direct reflection of the hard work and dedication the members

of the 145th Airlift Wing consistently put in to our state, nation and country.

I am extremely proud of the men and women of Team 145th for their accomplishments throughout the year, the resiliency shown through a major transition and most importantly the dedication they demonstrate to our great nation.

Col. Bryony Terrell

Colonel Bryony Terrell
145th Airlift Wing
Commander



NC AIR NATIONAL GUARD

VISION

A world class organization, preeminent in all we do.

MISSION

Provide Airlift, Combat and Humanitarian support to Federal and State authorities.

GOALS

Operational Readiness: Setting the bar on deployment and inspections.

Safety: Developing a safety mindset and encompassing operational readiness management.

Communication: Effective and efficient communication at all levels.

People: Recognize, reward, value and improve.

Customer Service: Constant focus on improving products and processes.

PRIORITIES

- 1. Implement and sustain force management/development process for all members of the North Carolina Air National Guard.**
- 2. Ensure members of the North Carolina Air National Guard are fully trained to meet future USAF deployment requirements and standards.**
- 3. Successfully convert from the C-130 tactical Airlift mission to C-17 strategic airlift mission.**
- 4. Develop stronger communal relationships with individual geographically separated unit's at Stanly County.**
- 5. Expand Stanly County Airport capacities and capabilities to support sustained C-17 training operations.**
- 6. Continue dialogue with Charlotte-Douglas International Airport and State Leadership on future of the North Carolina Air National Guard.**

WORLDWIDE REACH



FISCAL YEAR 2018
DEPLOYED LOCATIONS

- Ali Al Saellm, Kuwait
- McMurdo, New Zealand
- Ramstein, Germany
- Muwaffaq, Jordan
- Osan AB, Korea
- Spain
- Germany
- Italy
- Bagram, Afghanistan
- Al Asad, Iraq
- Botswana
- Manda Bay, Kenya
- Starokon, Kiev
- Ft Lee, VA
- Hickam, HI
- Andrews AFB, MD
- Kelly AFB, TX

9 STATES 16 COUNTRIES

HUMANITARIAN SUPPORT



3,174,000 POUNDS OF RELIEF SUPPLIES MOVED



The 145th Fire and Rescue sent 16 members to provide relief to impacted departments.



The 145th AW Fire and Rescue completed over 60 rescues and evacuations.



More than 15 brush fires were put out by the 145th Fire and Rescue teams.

ALWAYS READY, READY TEAM

2017

In October of 2017, members of the 145th Logistics Readiness Squadron deployed in support of relief efforts of Hurricane Maria. Over 900,000 gallons of fuel was disbursed to support the transportation hub of incoming and outgoing aircraft. Members also provided support by loading and unloading supplies in the US Virgin Islands.

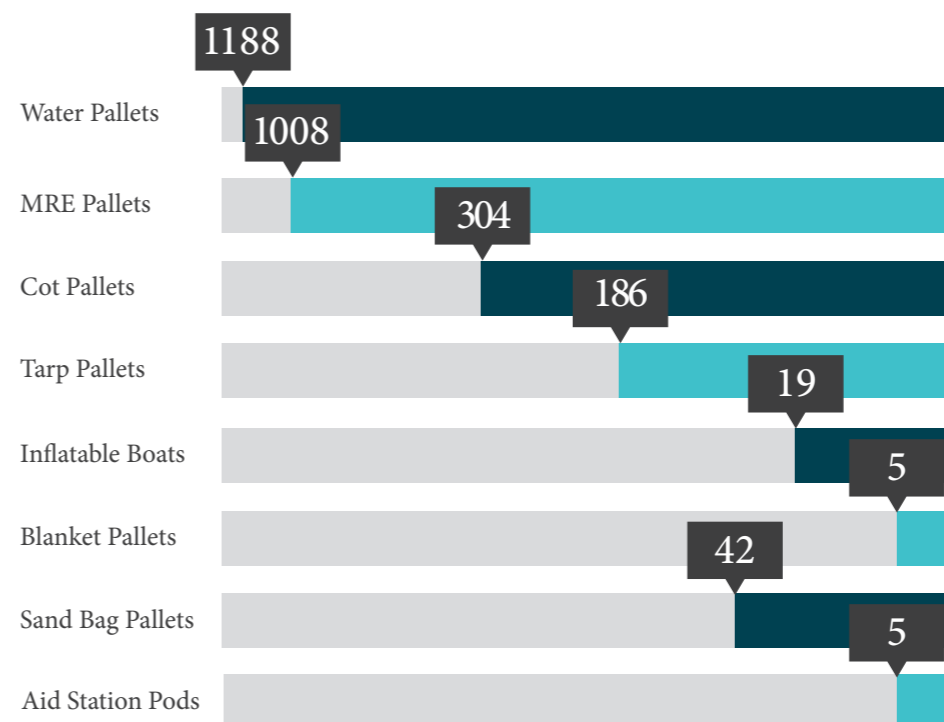
2018

In September of 2018, Hurricane Florence rocked the coast of North Carolina when it made landfall in September. More than 200 troops from the 145th Airlift Wing were called to support the state in pre and post hurricane relief efforts. The 145th provided support in the form of cyber defense, logistics, search and rescue, emergency management, public affairs, and airlift.

2018

In October of 2018, Hurricane Michael made landfall as a category 4 and devastated Tyndall Air Force Base. Rebecca Ferren, Director of Psychological Health, provided mental health assistance through a call center for members and families affected by Hurricane Michael. Col Scott Nall, 245th Civil Engineer Flight Commander, also assisted in the clean up efforts.

HURRICANE FLORENCE



There were 207 Airman from the 145th Airlift Wing that were mobilized to support the relief efforts of Hurricane Florence. The 145th Logistical Support Squadron had four teams, totaling 51 members, in Tarboro and Kinston, N.C. Those teams were responsible for the inventory of over 10,000 items in an Emergency warehouse as well as providing logistical coordination and movement of over 3,174,000 pounds of relief supplies to include water, meals ready to eat, cots, tarps, inflatable boards, blankets, sand bags and aid station pods.

OPERATIONAL READINESS



215+
Sorties

110
Real World Missions

84.5%
Mission Capable

309
Airman Deployed



600+
Flying Hours

11,713
Maintenance Manhours

27 TONS
Cargo Hauled

245
Service Calls



A World Class Organization

The 145th Airlift Wing is the home of the C-17 Globe-master. We provide airlift, combat and humanitarian support to federal and state.

Year of the Transition

In 2017, after over 40 years, we said good bye to our beloved C-130 and started the transition to the C-17 Globe-master. This transition left the 145th Air Wing without an aircraft on the ramp for over 4 months. During this time members around the base worked tirelessly to complete retraining and certifications to be qualified to operate and work on the C-17.

Emergency Services

The 145th Airlift Wing Fire and Emergency Services responds with Charlotte Fire Department at Charlotte-Douglas International Airport and provides sole Fire and Emergency Services support to aircraft incidents at Stanly County Airport. We staff 2 fire stations in Charlotte and 1 at Stanly County Airport. All full-time employees are NC State Employees.

AEROMEDICAL EVACUATION

Mission: Provide superior patient care, patient movement and support to Federal and State Authorities.

The 156 Aeromedical Evacuation Squadron provides rapid response aeromedical evacuation capability for contingency, humanitarian assistance, and disaster response. The unit trains, mobilizes, and deploys members to support the Theater Aeromedical Evacuation System conducting aeromedical evacuation missions aboard C-17A, C-130E/H/J, and KC-135R aircraft. During fiscal year 2018 the 156 AES faced challenging times as the 145 AW officially started the conversion to the C-17 aircraft. The 156 AES was still able to conduct over 40 events, missions, and exercises.



ANG SNCO OF THE YEAR

Master Sergeant Ashley U.P. Able was selected as the Air National Guard's 2018 Outstanding Senior Non-commissioned Officer of the Year. Able, an aeromedical evacuation technician with the 156th Aeromedical Evacuation Squadron, 145th Airlift Wing, North Carolina Air National Guard, stood out among her nationwide counterparts to be selected for the award.



3 NGB Readiness Exercises
- Southern Strike
- Patriot South
- Patriot North

8 TRANSCOM/AMC Operational Missions
5 - JB Andrews, MD
2 - JB San Antonio Kelly
- JB Hickam - PACOM

7 Squadron/Interfly Aeromedical Evacuation Readiness Missions
- 142 AES New Castle, DE
- Gulfport CRTC, MS
- 183 AES Jackson, MS
- 165 OG, Savannah ADC, GA
- 137 AES Oklahoma City, OK
- 36 AES Kessler AFB, MS (AFRC)
- 459 AES JB Andrews, MD (AFRC)



18 Contingency Taskings
9 - CENTCOM
6 - EUCOM
3 - CONUS

2 Domestic Operation Exercises
- Reno FCC Exercise - NV
- Hurricane Exercise - NAS Key West

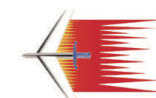
1 AMC AE Initial Qualification Training Instructor Support
- Wright-Patterson AFB, OH

1 Biomedical Equipment Technician Support
- Aviano AB, IT



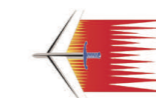
DIVERSE FORCE STRUCTURE

The 145th Airlift Wing maintains an optimal force structure of over 1400 members, over 300 full-time, between Charlotte and the geographically separated units in Stanly County, NC. Our Airmen stand ready to answer the call to the state, nation or country. The year of 2018 brought many first to the North Carolina Air National Guard. Among those firsts were the NCANG's first female wing commander, first female wing command chief and first female chief for the maintenance group.



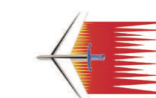
FIRST FEMALE WING COMMANDER FOR THE 145TH AIRLIFT WING

The North Carolina Air National Guard made history during a Change of Command Ceremony by welcoming the first female commander of the 145th Airlift Wing, Col. Bryony Terrell. Regardless of gender, Terrell is the perfect fit to command a unit of nearly 1,500 Airmen as they complete a transition to the C-17 Globemaster III aircraft. Terrell, a third generation Airman, is a C-17 Globemaster III aircraft pilot, and has been in the service for 20 years. Terrell's grandfather was in the Army Air Corps, and her father served as a rescue pilot in Vietnam.



FIRST FEMALE WING COMMAND CHIEF FOR THE 145TH AIRLIFT WING

The 145th Airlift Wing celebrated Chief Master Sgt. Susan Dietz, as she assumed her role of the first female command chief for the wing during an Assumption of Authority ceremony held at the North Carolina Air National Guard Base. As the command chief for the wing, she will be responsible as the key enlisted advisor and advocate for operational effectiveness, and organizations training and equipment for all the Airmen within the wing. "This is quite an honor; my heart has always been with this wing, with the Airmen of this wing," said Chief Master Sgt. Dietz.



FIRST FEMALE CHIEF FOR THE 145TH AIRLIFT WING MAINTENANCE GROUP

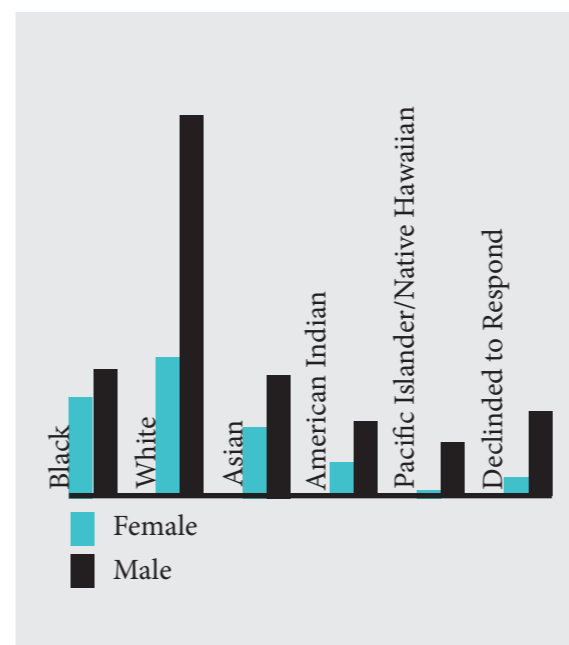
CMSgt Lisa Phillips was promoted and took the role of the first female Chief for the 145th Maintenance Group. At 30 years of age, Phillips decided to follow her father's footsteps and join the North Carolina Air National Guard. While working at Duke Energy, it was apparent changes may be coming and Phillips wanted to be prepared for any inevitability. This isn't Phillips' first 'first', as she was also the first female crew chief in the North Carolina Air National Guard and the first female in the Maintenance Operations Flight. "I knew I wanted to be chief when I came in; I didn't join not to go all the way! There are many retired chiefs and over the last couple years, Chief Master Sgt. Danny Lawing, gave me insight on what to do to progress," said Phillips, "I learned from all of them but it's important to remember I can learn from new folks too. You can learn something from everybody."

98.6%
End Strength

87%
Retention Rate



The 145th Airlift Wing is 78% male and 22% females as of Dec 2018.



Sustainable Infrastructure

The 145th Airlift Wing remains committed to being good stewards of the environment by investing in sustainable infrastructure and ensuring our facilities remain economically and environmentally sound assets to service members and our community.



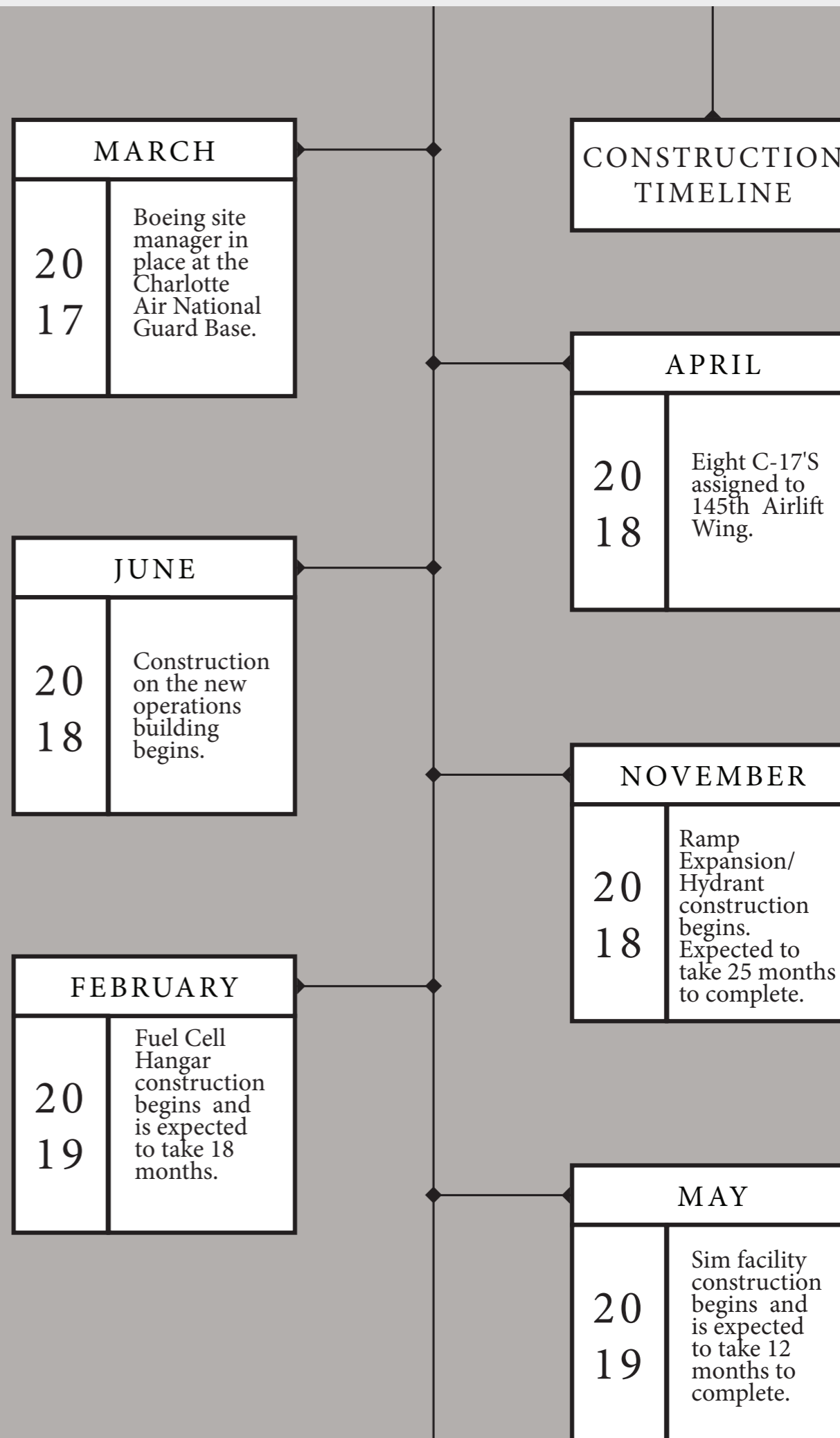
The beginning of Fiscal Year 18 kicked off the official conversion of the 145th Airlift Wing from C-130's to C-17's. With this conversion comes new facilities. First up is a new building for the operations group. This building is designed to meet LEED Silver certification. It includes sustainable construction methods and a higher performing building using less energy (power, water, and gas). The project also reduces pavement area and increases green space, which lessens the impact of storm water runoff and erosion of waterways.



57.11%
REDUCTION IN ENERGY
USED SINCE 2003

87.88%
REDUCTION IN WATER
CONSUMPTION SINCE 2007

\$17.5 M
IN LOCAL ECONOMY
STIMULATION



GEOGRAPHICALLY SEPERATED UNITS

Air traffic controller makes history in Ukraine

For Master Sgt. Jacqueline Plumley, an air traffic controller assigned to the 235th Air Traffic Control Squadron, 145th Airlift Wing, North Carolina Air National Guard, the contribution she made at Clear Sky 2018 was another “first” in U.S. military history. Clear Sky 18 was the first-ever USAF Europe – AF Africa-sponsored large-scale, air-centric, multinational exercise of its kind held in Ukraine. It aims to enhance regional capabilities to defend air sovereignty and promote peace and security through cooperation, collaboration and interoperability with partners and allies in the region.

During the Clear Sky 18 exercise, hosted at Starokostiantyniv Air Base, Ukraine, she became the first U.S. Air Force female controller to work inside of a Ukrainian air traffic control tower in the history of Ukraine and its military.

“It’s been a great experience,” Plumley said. “I’m proud to represent my unit, my country and the U.S. Air Force.”

During Clear Sky 18, Plumley was tasked with coordinating Ukrainian aircraft departure and arrival times while simultaneously weaving her unit’s aircraft into the schedule.

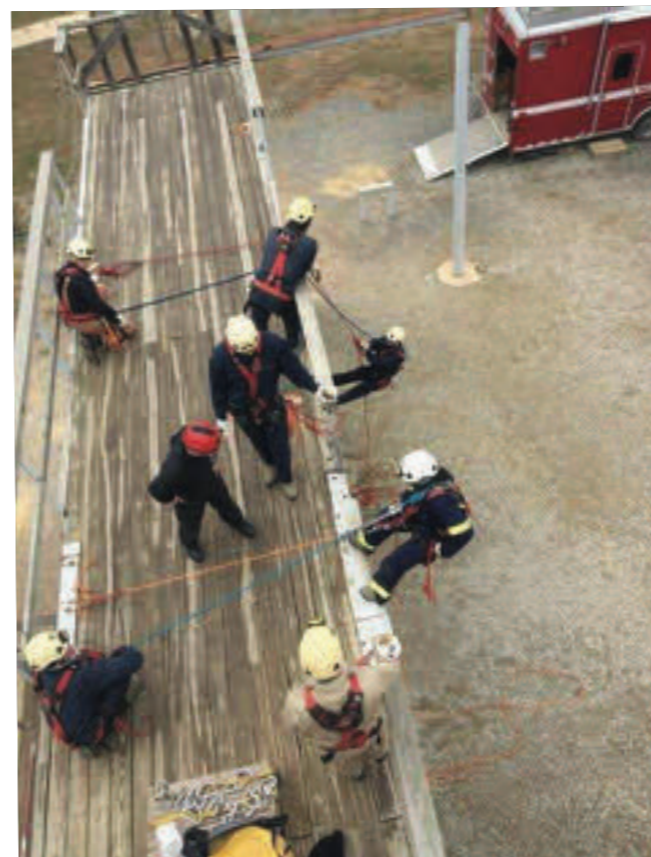


156th Weather Flight

The 156th Weather Flight was activated in support of Hurricane Florence. Their mission is to provide accurate forecasts allowing commanders to maximize their resources to exploit the enemy using relevant environmental information.

263RD Combat Communications

The 263rd activated in support of Hurricane Florence providing real time cyber security support to the state of NC. Their mission is to deploy, operate, and maintain strategic emergency communications anywhere in the world in both peace-time and combat environments.



AIR NATIONAL GUARD URBAN SEARCH AND RESCUE TRAINING IN STANLY COUNTY, NC

145th Regional Training Site in Stanly County is the only location in the United States that provides the Urban Search and Rescue I and II Course. In 2018, 236 civilian and military firefighters attended aircraft live burn training in Stanly County. Civilian fire departments came from cities such as Concord, Charlotte, Wilmington, Hickory and Forsyth. Both Army and Air guard units also attended the training. The fire fighting training school conducted on site training for 275 military firefighters. The total number of training days supporting ANG units was 144 days.

CONVERSION TIMELINE

October
2017

Final flight of the C-130's and the arrival of the Boeing Supply Representative at Charlotte Air Guard Base.

March
2018

The 145th Airlift Wing begins local flight training & missions with the C-17

July
2018

145th Airlift Wing exits conversion & initial operation capability

December
2017

145th Airlift Wing enters conversion. Begin maintenance and aircrew training

Six C-17's assigned to the base. Two final C-17's assigned in June and August 2018

July
2018

Construction begins with the demolition of the old operations building

October
2020



COMMUNITY OUTREACH



Events

- 5 base Tours
- 3 Presidential Visits
- CBBC Blood Drive
- Special Olympics Day
- Retiree Breakfast
- Kids on Guard
- Prayer Breakfast
- Good Easter Service
- Operation Santa Clause
- JRROTC Competitions
- 4 Strong Bonds Events
- Annual Memorial Ceremony
- Adopt-A-Highway
- Blinded Veteran Party
- Living My Best Life Race



ECONOMIC IMPACT



\$23,229,396

Civilian Pay

\$18,929,497

Operating Expenditures

\$5,119,717

Military Pay

Notable Accomplishments



2017 AIR NATIONAL GUARD SAFETY AWARD

Senior Master Sgt. Kelly Dover, 145th Airlift Wing Occupational Safety Manager, was selected for the esteemed 2017 Air National Guard Outstanding Individual Occupational Safety Award. The annual award is only given to seven individuals within the Air National Guard and Dover earned this award for his unparalleled guidance and contributions to the unit. "The military is a risky business, but it doesn't mean it has to be unsafe," Dover said. "We train personnel on safety to prevent incidents from occurring, which is the ultimate goal for the safety shop."



2018 SALUTE TO SERVICE NC NATIONAL GUARDSMAN OF THE YEAR

Staff Sgt. John Reiszal, 145 Security Forces Squadron, was recognized as the outstanding 2018 Salute to Service North Carolina National Guardsman of the Year at the 2018 USO Salute to Service Gala. Staff Sgt. John Reiszal, without hesitation, bravely administered first aid to a pedestrian struck by a tractor trailer until emergency first responders arrived at the scene.

STARBASE



MISSION STATEMENT: TO EXPOSE OUR NATION'S YOUTH TO THE TECHNOLOGICAL ENVIRONMENTS AND POSITIVE CIVILIAN AND MILITARY ROLE MODELS FOUND ON ACTIVE, GUARD, AND RESERVE MILITARY BASES AND INSTALLATIONS, NURTURE A WINNING NETWORK OF COLLABORATORS, AND BUILD MUTUAL LOYALTY WITHIN OUR COMMUNITIES, BY PROVIDING 25 HOURS OF EXEMPLARY HANDS-ON INSTRUCTION AND ACTIVITIES THAT MEET OR EXCEED THE NATIONAL STANDARDS.



STARBASE at Charlotte ANG Base

What do you get when you mix a handful of knowledgeable volunteers, some principles, theories and laws, rocket materials, and a group of bright-eyed, young students? The annual STARBASE Camp at the North Carolina Air National Guard Base at the Charlotte-Douglas International Airport. More than twenty 4th, 5th, and 6th graders having the opportunity to learn exciting science, technology, engineering, and math applications that will help them launch a rocket and hopefully, ideas for their future.

"We [the North Carolina Air National Guard] were one of the first three bases to spearhead the STARBASE program in 1993 and I've been involved with it since 1994 then transitioned to Director in 2008 after Brig. Gen. James Emerson stepped down. STARBASE has been to 99 counties in North Caro-

lina and we have one more to go," said Barbara Miller, director of the North Carolina STARBASE Program.

The program, started in 1993, has grown to encompass at least 30 states and Puerto Rico, with at least 60 locations across the U.S. Kansas leads with five different STARBASE spots. North Carolina has two; one in Charlotte and one at Kure Beach near Ft. Fisher. The programs run off active, guard, and reserve Air Force Bases, Army Guard bases, and one Marine Base. STARBASE has served more than one million students since its start in 1993 and continues to grow exponentially each year.

A typical week starts out with an introductory knowledge test that assesses what the students may already know regarding the week's theme, like forensics or engineering.



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