

# 5 PROVIDE FOR 6 AMERICA 2 Annual Report

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180th Fighter Wing  
Ohio Air National Guard  
Toledo, Ohio







## **Col. Craig R. Baker Commander**

**I** continue to be overwhelmed at what the Airmen of the 180th Fighter Wing have been able to accomplish for the mission, while still dedicating selfless hours to our local communities, supporting those who support us. The 180FW is the proven choice for the warfight because our Airmen ensure we are. They provide for America through their commitment to remain engaged, maintaining operational readiness and delivering the strategic depth required by today's Air Force. The men and women of the 180FW make this wing a model to emulate within the One Force concept; already taking steps to become a full active association in the future, while still remaining the first choice for homeland operations and the enduring choice for the community.

As an organization geared for success and growth, the 180FW needs a foundation of values, expertise and experience that encompasses both its history and the people who make it

what it is – our employees, stakeholders and our communities.

To ensure the success of the 180FW, we published our Strategic Master Plan, *Provide for America 2015-2020* in February, focusing on our five main priorities and goals, highlighting the very foundation and values the wing is built on, paving the way forward to guarantee we are, in fact, the most lethal, innovative and efficient fighter wing in the total force.

### **Priority 1:**

Trained, qualified Airmen, ready to deploy

### **Goal 1:**

Force is fit to fight

### **Priority 2:**

Increased capability to the combatant commander

### **Goal 2:**

Be the most lethal choice

### **Priority 3:**

Sustain relationships with Northwest Ohio communities

### **Goal 3:**

Give more to the community than given

### **Priority 4:**

Embrace innovation and maximize efficiency

### **Goal 4:**

Establish a continuous process improvement

### **Priority 5:**

Cultivate a culture of growth and excellence

### **Goal 5:**

Retain combat ready Airmen



Throughout 2015, Stinger Airmen continued to demonstrate their foundation of core values: Integrity First, Service Before Self and Excellence In All We Do; showcasing why the 180FW is the proven choice and best valued fighter wing in the Air National Guard and the Air Force.

Together, they earned the Air Force Outstanding Unit Award, awarded by the Secretary of the Air Force to numbered units that have distinguished themselves by exceptionally meritorious service or outstanding achievement that clearly sets the unit above and apart from similar units. They also earned an "Effective" grade during an Air Combat Command Unit Effectiveness Inspection, resulting in five teams and 29 members being recognized as superior performers, while one member earned the prestigious ACC Inspector General coin, given out to only those performing in the top one percent throughout ACC.

Our Aerospace Control Alert mission proved once again that the 180FW will be the long-term solution for homeland defense, earning the highest grade of "Mission Ready" for an unprecedented

third consecutive year during the North American Aerospace Defense Command Alert Forces Evaluation. This critical mission consistently proves to be an essential, long-term solution for the defense of our nation. With 60 percent of the U.S. population lying within a 600 mile radius of Toledo, the 180FW has flown more than 900 missions since activated in 2008. Of those missions, 135 have been in support of real-world events, totaling over 380 flying hours, as we continue to protect the skies over major metropolitan areas, highways and railways, nuclear power plants, freshwater ports and shipping lanes, as well as major international airports.

While flying 2,258 missions totaling more than 3,770 flying hours, we also seamlessly executed the deployment of more than 530 Airmen and the movement of approximately 140 short tons of cargo and equipment to seven locations throughout the U.S. The 180FW continued to participate in training exercises, maintaining training requirements and enhancing our overall operational readiness simultaneously.

In January, we welcomed home a

member of our Chaplain Corps after serving in Antarctica, one of the coldest and most remote places on earth. We also deployed more than 140 Airmen to Naval Air Station Key West in Florida to conduct air combat training, integrating F-15, F-18 and F-5 fighters, flying more than 100 missions focused on Defensive Counter Air, Dissimilar Air Combat Training and Dissimilar Basic Fighting Maneuvers. In February, we welcomed home 13 Airmen from our Security Forces Squadron who spent six months in the hot desert sands of Kuwait before returning to nearly three feet of snow at home. In April, 150 Airmen deployed to Eielson Air Force Base, Alaska, to support a two-week, multinational training exercise, Red Flag Alaska. There our pilots had access to 67,000 square miles of diverse flying space, the Joint Pacific Alaska Range Complex, one of the world's largest military operating airspaces. Following Red Flag, a small contingent of our Stingers traveled to Barking Sands, Hawaii, in July, to support the validation process of a U.S. Navy weapon system. In September, 126 members deployed with almost 40 short tons of

equipment to Tyndall Air Force Base, Florida, flying 122 missions with fourth and fifth generation fighters like the F-22 and the F-15 during a Combat Archer exercise. The two-week exercise is part of Air Combat Command's Air-to-Air Weapons Systems Evaluation Program geared toward assessing a unit's overall operational effectiveness, weapons system performance and reliability. The 180FW finished with zero discrepancies.

Though we spent a lot of time traveling around the country training to meet operational readiness requirements, we've also accomplished so much here at home to include making strides in becoming an active association wing. The 180FW officially gained its first active duty pilot, the first of four between now and 2018. We are also expecting to gain 40 aircraft maintenance personnel as part of the U.S. Air Force Total Force Initiative.

Our Training Affiliation Agreement with the University of Toledo Medical Center, the first agreement of its kind in the Air National Guard and recognized as a benchmark training program at the National Guard level, was renewed





for another five years. This training program streamlines medical skills verification and hands-on training of our military medical personnel locally while also providing extra manpower at the medical center during the wing's training weekends. This partnership is

and be creative, leveraging each of our strengths as opportunities to battle the challenges ahead. These cooperative and innovative efforts will ensure we are postured to support and defend our nation staying well ahead of our enemies' capabilities, and respond to crucial state emergencies and disasters.

As a way to show our gratitude, the 180FW held a special ceremony dedicating F-16s to surrounding communities by placing the names of cities, villages and townships on the side of our fighter jets, 16 communities were recognized in all.

In 2015, the 180FW also contributed \$3,638 and 870 pounds of goods to the Toledo Seagate Foodbank and donated 114 units of blood to the American Red Cross. More than 100 Stinger Airmen registered as bone marrow donors through the C.W. Bill Young Department of Defense Marrow Donor Program, joining in the fight against cancer.

More than 150 volunteer hours were contributed to the Cherry Street Mis-

projected to save more than \$20,000 in training costs for each of our military medical personnel.

Not only is our partnership with UTMIC leading the way in innovation and excellence within the ANG, the 180FW is also fostering many more partnerships within our local communities through a U.S. Air Force initiative called the Public-Public, Public-Private Partnership Program, or P4. This Air Force Community Partnership Program is a process to leverage military installation and local government capabilities and resources to reduce operating and service costs, and expand Air Force mission capabilities. The 180FW is the first ANG installation to adopt the P4 program.

Community support has long been a priority of the 180FW. This great fighter wing can only be as solid as the communities who support us. Our communities are part of the foundation supporting the wing and giving back to those who give us so much has become a mission focus for our Stinger Airmen. We must continue to partner with the community

sion to prepare over 2,000 meals for local families in need, 160 of those were Thanksgiving meals delivered by our Stinger Airmen to the homes of those unable to provide a holiday meal for their families. These organizations represent only a fraction of those our



Airmen are involved with. Each year, our members hold coat, clothing, toy and toiletry drives for charities all around the Toledo area in an effort to strengthen ties with our communities.

These accomplishments highlight just of the few of the innovations and excellence produced by the ideas of our Airmen and our community partnerships that solidify the strength of the 180FW. And it is this strength we call Stinger Nation that is enabling us to outpace fellow fighter wings, breaking new ground as modern-day pioneers and setting milestones for progress and development.

Thank you for your continued support and partnership. The 180FW would not be where it is today if it was not for the community.

Since many of our Airmen were born and raised in our Northwest Ohio and Southeast Michigan communities, this community-based structure provides these Airmen a stable environment to make lifelong contributions to their local communities and families while at the same time providing ready, responsive and effective global vigilance, global reach and global power for America.

As we look toward an exciting 2016, the 180th Fighter Wing remains committed to preserving your trust and respect, and we are dedicated and ready to serve our communities, our state and this great nation. ✈

## M•V•P

### MISSION:

Provide for America; protection of the homeland, effective combat power and defense support to civil authorities, while developing Airmen, supporting their families and serving in our community.

### VISION:

To Defend Freedom as the most lethal, innovative and efficient Fighter Wing in the Total Force!

### PRIORITIES:

Execute the Mission  
Manage Resources  
Continuous Organizational Growth

## CORE VALUES

Integrity first  
Service Before self  
Excellence in all we do







180FW 2015 Year in Review Video

## GENERAL INFORMATION

**Wing Commander:**  
Col. Craig R. Baker

**Unit Location:**  
Toledo Express Airport  
Swanton, OH

**Aircraft:**  
F-16 CM  
Block 42  
Fighting Falcon

### Mission Designation:

- Interdiction
- Close Air Support
- Air Defense

### Assignments:

- Air Combat Command
- North American Aerospace Defense Command
- National Guard Bureau
- Ohio Joint Force Headquarters

## STRATEGIC LOCATION

Located at the Toledo Express Airport in Northwest Ohio, the 180FW is positioned for future endeavors to include One Force and joint-basing initiatives. As the U.S. transitions from over 25 years of war into a world with an uncertain and changing future, the need for a joint, integrated military force will continue to be essential for success.

With 60 percent of the U.S. population lying within a 600 mile radius of Toledo, including vital infrastructure, key centers of gravity and international airports, Northwest Ohio offers convenient access to a multi-modal transportation hub including an extensive interstate highway system, one of the most active railroad centers in the country and one of the largest seaports on the Great Lakes. The Port of Toledo is an important industrial, commercial and transportation center for the north central United States. ✈

## INFRASTRUCTURE

The 180FW base and infrastructure has been designed and constructed to support the current and future fighter aircraft needed for America's security and defense. The base is fully capable of supporting fighter aircraft operations and maintenance with little or no expansion. The base's master plan has incorporated potential and future missions, accommodating the current aircraft with minimal impact. In the event of future and joint missions, the base has the ability to accommodate many functions on its existing footprint, but also has ample, suitable land available for expansion. ✈

## THE FLYING MISSION

The 180FW has access to military operating airspace and air-to-ground gunnery ranges suited for the capabilities of the F-16. Both Alpena Airspace Complex in Michigan and Buckeye Airspace in Ohio, are supersonic, chaff/flare capable with full radar ground control intercept (GCI) and Link-16 capability.

Added to that, three aerial gunnery ranges; Atterbury and Jefferson, Indiana; as well as Grayling, Michigan, are approved for employment of precision guided munitions allowing for the

180FW to remain proficient in its air interdiction, close air support and air defense missions.

The Alpena complex features two Joint Threat Emitters that simulate adversary Surface to Air missile sites. This greatly enhances training with the high-speed Anti-Radiation Missile Targeting System.

Utilizing airspace and ranges that are geographically separated allows the wing to find the favorable weather necessary to maintain training and mission requirements. ✈

## THE F-16 FIGHTING FALCON



Primary Function	Multi-role Fighter
Builder	Lockheed Martin Corp.
Power Plant	Pratt and Whitney F100-PW-229
Thrust	29,000 pounds
Length	49 feet, 5.2 inches
Height	16 feet, 10 inches
Wingspan	32 feet, 10 inches
Speed	1,500 mph (Mach 2 at altitude)
Ceiling	Above 50,000 feet
Max Takeoff Weight	42,300 pounds
Range	Over 2,100 nm (2,425 mi)



## OTHER MISSIONS

The 180FW Fire and Emergency Services Flight provides 24-hour joint emergency response for the Toledo Express Airport alongside the Lucas County Port Authority Public Safety Department. The flight also provides Defense Support to Civil Authorities, providing mutual aid to local area fire and emergency services. In 2015, the team responded to more than 30 mutual aid requests including seven structural fires, 10 medical emergencies and more than 15 other support requests.

The 180FW Propulsion Element is the first Pratt and Whitney - 229/220 Repair Network Integration team to have provided War Ready Engines by rebuilding and testing 81 engines from 2009 to date in support of the Air Force and Air National Guard. These engines have been sent to coalition partners, as well as, U.S. Air Force installations.

The 180th Medical Group provides medical support of the operational mission at the 180FW. This support includes taking care of approximately 1,000 personnel by conducting Preventive Health Assessments, deployment processing, immunizations, dental and optometry. ✈

## ENERGY INDEPENDENCE

The 180FW currently has an operational 1.6 megawatt photovoltaic field which is planned to be expanded to approximately 1.9 Megawatts peak electrical capacity. Currently, the system produces approximately 33 percent of the unit's annual electrical requirements, in turn saving the taxpayers an estimated \$230,000 each year while reducing the wing's dependence on coal by almost 623 tons and avoiding 1,784 tons of carbon dioxide annually. Most recently, the wing added 10 Dual Access Tracking Arrays, totaling approximately 35 kilo-watts.

In 2012, the 180FW became the first Air National Guard wing to fly routine training missions solely on bio-fuel as part of the testing plan with the Air Force to certify more than 40 aircraft models for bio-fuel use. Two 180FW aircraft were designated to test 100,000 gallons of the renewable fuel as one of the final steps before taking the fuel mainstream and allowing the F-16 to use bio-fuel in unrestricted operations.

We have remained dedicated to the research, development and implementation of green energy programs here at the wing. Our sustainable energy projects have reduced our environmental footprint through our solar field, solar tracking arrays, bio-diesel and electric vehicles. We are producing approximately one third of our total energy requirements, reducing our dependence on coal and minimizing our environmental impact. We are happy to report that we have achieved \$1.4 million dollars in savings for the American taxpayer. ✈

## ENVIRONMENTAL

The 180FW is committed to conducting its mission in a responsible manner that will protect human health, natural resources and the environment. This commitment goes beyond simply complying with the law; it encompasses the integration of sound environmental information and practices into our daily decisions and activities. The wing continues to strive for full compliance with voluntary industry standards including International Standards Organization 14001 Environmental Management Systems.

Over the past year, the Environmental Management Office provided user training on the Air Force Enterprise Environmental, Safety and Occupational Health Management Information System. This training enhances the management, tracking and disposal of hazardous materials, hazardous waste, and universal wastes. An upgrade to the Air Program Information Management System now allows electronic recordkeeping for electrical generator usage, painting operations, and aboveground storage tank inspections. The EMO also uses the Management Internal Control Toolset that provides a framework for comprehensive auditing of the wing's compliance with Air Force, state, and federal laws and regulations.

The wing completed a Military Munitions Response Program investigation of the environmental impacts of the installation's small arms range that was closed in 2004 and removed in 2011. Human health and ecological health risk assessments conducted as part of the investigation concluded that there were no unacceptable risks within the site. As a result, the wing, in conjunction with Ohio EPA, has determined that no further remedial actions are necessary at the site and all monitoring wells associated with the investigation will be removed in 2016. The wing also undertook an investigation of the impacts of perfluorinated compounds found in fire-extinguishing agents.

The 180FW strives to be good stewards towards the environment by leaving a smaller ecological footprint, conserving natural resources and energy, and taking responsibility for our choices. Our goal is pollution prevention by working to reduce the use and production of hazardous substances and by operating more efficiently. ✈







## RECENT ACHIEVEMENTS

- Air Force Outstanding Unit Award - 2015, 2010, 2000, 1990, 1981
- Air Combat Command Unit Effectiveness Inspection - EFFECTIVE rating, 29 superior performers and five superior performer teams identified
- 1<sup>st</sup> Air Force Alert Forces Evaluation - Mission Ready Rating - 2015, 2014, 2012
  - \* Best seen to date and Benchmark operations identified
- Alert Force Operational Assessment - Mission Ready Rating - 2014, 2012
  - \* Best seen to date for Command Post operations identified
- Air Force Public Affairs Media Contest 2015
  - Digital Publication - 3rd Place
- National Guard Bureau Media Contest
  - Best Digital Publication - 2015
  - Best Graphic Layout & Design - 2015
  - Best Photojournalism - 2014
- 2015 Security Forces Aerospace Control Alert Airman of the Year
- Air National Guard Safety Office of the Year - 2014
- 1st Air Force First Sergeant of the Year - 2014
- Region IV and State of Ohio Retention Manager of the Year - 2013
- ACC Combined Unit Inspection - 99.6% Compliance Rating - 2012
- Logistics Compliance Assessment Program Inspection - Excellent - 2012
- Aerospace Control Alert Unit of the Year Award - 2011, 2010
- Chuck Smith Environmental, Safety and Occupational Health Award - 2011
- Reducing Energy Appreciation Program Award - 2011
- 9<sup>th</sup> Air Force Standardized/Evaluation Inspection - Excellent - 2010
- Operational Readiness Inspection - Excellent - 2010
- ANG Command Post Unit of the Year - 2010

## ECONOMIC IMPACT

The purpose of the Economic Impact Statement, also known as ERIS, is to provide public officials, visitors and our community a brief, unclassified summary of the organization and resources of the 180FW. This statement will provide an account of the contributions to the local economy for Fiscal Year 2015, Oct. 1, 2014 through Sept. 30, 2015.

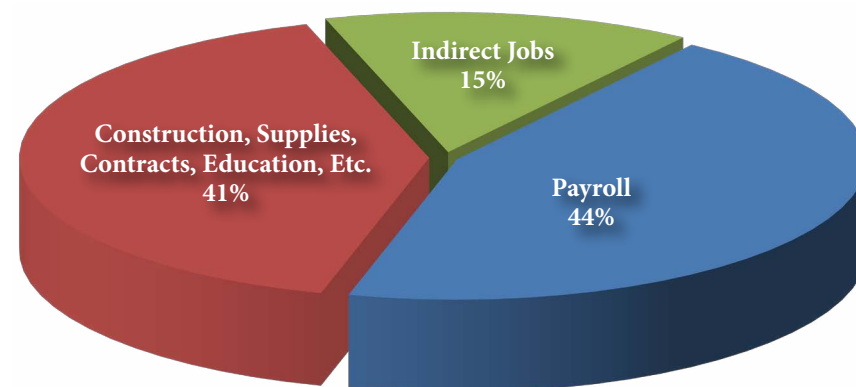
Questions concerning the following information can be directed to the 180FW Comptroller Office, 419-868-4008 or 419-868-4041.

## ERIS INTRODUCTION

During FY 2015, the 180FW contributed over 122 million dollars in both direct and indirect economic support to the overall economy, of which over 100 million dollars directly impacted the local region. The largest portion of this was 55 million dollars in payroll expenses for all civilian and military personnel. The balance was spent on new construction projects, supplies/maintenance/repair of existing facilities, support contracts and general base operations.

## TOTAL ECONOMIC IMPACT

ITEM	PAYROLL
Payroll	\$55,218,000
Construction, Supplies, Contracts, Education, etc.	\$50,242,000
Indirect Jobs Created	\$17,891,000
<b>TOTAL ECONOMIC IMPACT</b>	<b>\$123,351,000</b>



## ***ESTIMATED NUMBER & DOLLAR VALUE OF INDIRECT JOBS CREATED***

TYPE OF PERSONNEL	NUMBER OF JOBS AT 180FW	INDIRECT JOB MULTIPLIER	NUMBER OF JOBS CREATED
Active Guard Reserve (AGR)	154	.41	63.14
Traditional Guardsman	935	.16	149.6
State Employees	42	.55	23.1
Technicians (DOD Employees)	275	.55	151.25
<b>Total Number of Indirect Jobs Created</b>			<b>387.09</b>

<b>Average Annual Local Community Pay</b>	<b>\$46,220</b>
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<b>Estimated Annual Dollar Value of Jobs Created</b> (Total number of indirect jobs created x average annual pay for the local community)	<b>\$17,891,000</b>
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\* Number includes the 289 federal technicians as they are both full-time employees as well as traditional guardsmen.

### **Data Sources for Indirect Job Multiplier and Local Average Annual Pay**

Indirect Job Multipliers from Secretary of the Air Force/Financial Management (FMC - Economic Analysis)  
Average Annual Pay for Local Community from Bureau of Labor Statistics (Quarterly Census of Employment and Wages)



## ***CAPITAL ASSETS***

LAND			
Leased from the Toledo Lucas County Port Authority	135	Acres	
AIRFIELD PAVEMENTS			
Main Runway	150 Feet Wide	10,600	Feet Long
Secondary Runway	150 Feet Wide	5,599	Feet Long
ANG Parking Ramp		41,511	Square Yards
NAME	AREA	UNITS	
HANGAR	63,746	Square Feet	
FIRE HOUSE	10,533	Square Feet	
POWERED SUPPORT EQUIP.	4,291	Square Feet	
GUARDHOUSE (North)	94	Square Feet	
COMMUNICATIONS FACILITY	404	Square Feet	
PWRD SUPT. EQUIP. STORAGE	2,065	Square Feet	
AIRCRAFT FABRICATION	13,339	Square Feet	
PAVILION	1,220	Square Feet	
SUPPORT HEADQUARTERS	30,191	Square Feet	
ENGINE SHOP STORAGE	576	Square Feet	
VEHICLE MAINTENANCE STORAGE	592	Square Feet	
COMPOSITE OPERATIONS	27,163	Square Feet	
SECURITY FORCES	9,307	Square Feet	
TACAN STATION, FIXED	416	Square Feet	
AMBULANCE SHELTER	288	Square Feet	
FUEL CELL MAINT/COR. CONTROL	22,925	Square Feet	
LOX/LIN STORAGE	189	Square Feet	
AVIONICS/WEAPONS RELEASE	27,903	Square Feet	
BCE PAVEMENT AND GROUNDS	2,610	Square Feet	
HAZ STORAGE BASE	576	Square Feet	
VEHICLE MAINTENANCE	7,436	Square Feet	

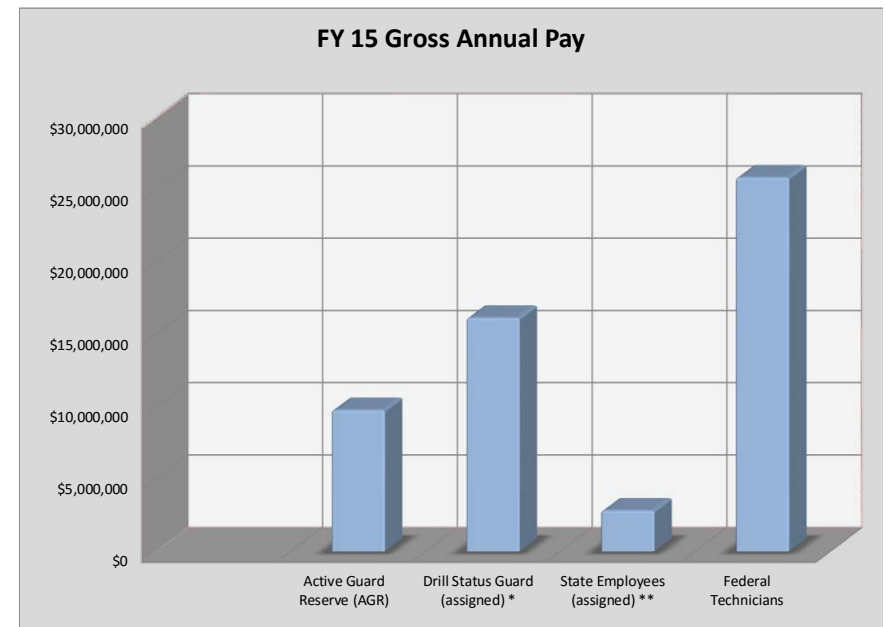


## **CAPITAL ASSETS CONTINUED**

FIRE HOUSE STORAGE	1,388	Square Feet
MULTI-USE	7,030	Square Feet
AAFES/MOBILITY STORAGE	7,350	Square Feet
DINING HALL/MEDICAL/BAND	23,297	Square Feet
ENGINE SHOP	13,009	Square Feet
SP OPERATIONS	516	Square Feet
POWER GENERATION (SOLAR)	1,679	Kilo-Watts
POL OPERATIONS	1,668	Square Feet
POL PUMP HOUSE	3,000	Square Feet
POL LOADING OPERATOR BOOTH	25	Square Feet
POL VEHICLE OPERATOR MAINT.	120	Square Feet
POL LOX MAINTENANCE	264	Square Feet
GUARDHOUSE (South)	200	Square Feet
TRAFFIC CHECK HOUSE	1,062	Square Feet
VEHICLE FUEL STATION	20	Square Feet
PUMP HOUSE (Fire Suppression)	600	Square Feet
HAZMAT PHARMACY	1,759	Square Feet
CIVIL ENGINEERING	18,489	Square Feet
CIVIL ENGINEERING STORAGE	4,000	Square Feet
POL STORAGE	112	Square Feet
SAND BIN STORAGE	119	Square Feet
LOGISTICS	34,268	Square Feet
ACA CREW QUARTERS	4,320	Square Feet
CONV MUNITIONS SHOP ADMIN	10,092	Square Feet
CONV MUNITIONS SHOP MISSILE MAINTENANCE	4,133	Square Feet
CONV MUNITIONS SHOP MAINTENANCE	3,285	Square Feet
MULTI-CUBICLE MAGAZINE STORAGE	6,044	Square Feet
IGLOO	9,024	Square Feet
HYDRAZINE STORAGE	213	Square Feet
Total Facility Areas = 379,052		Square Feet
<b>Total Facility Replacement Costs = \$313,370,000</b>		

## **SUMMARY OF PERSONNEL AND GROSS PAYROLL CLASSIFICATION**

PERSONNEL CLASSIFICATION	NUMBER OF PERSONNEL	PAYROLL
Active Guard Reserve (AGR)	154	\$ 9,788,000
Drill Status Guardsmen (Assigned)*	935	\$ 16,711,000
State Employees (Assigned)**	35	\$ 2,836,000
Federal Technicians	275	\$ 25,883,000
<b>Total</b>	<b>1,399</b>	<b>\$ 55,218,000</b>
* Includes the 275 federal technicians as they are also traditional guardsmen		
** Includes state share		





## **PAYROLL**

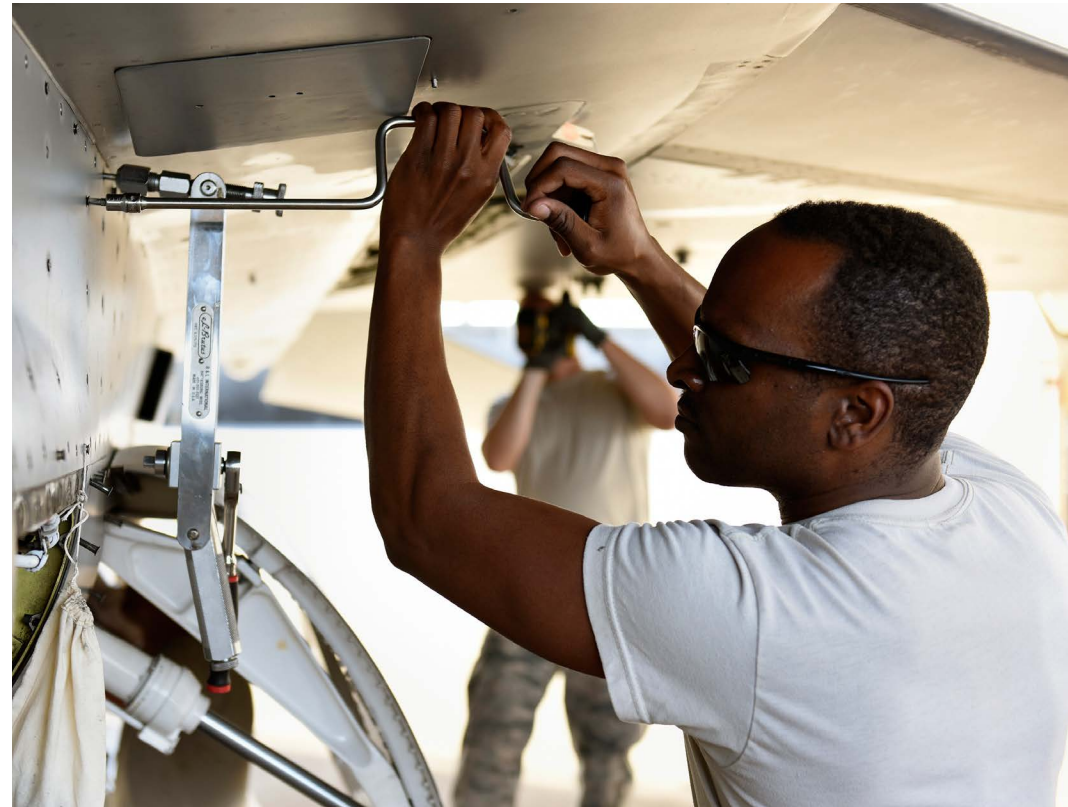
PERSONNEL CLASSIFICATION	FY 2013	FY 2014	FY 2015
Active Guard Reserve (AGR)	\$ 9,856,000	\$ 9,324,000	\$ 9,788,000
Drill Status Guardsmen*	\$ 18,612,000	\$ 16,479,000	\$ 16,711,000
State Employees **	\$ 2,553,000	\$ 2,668,000	\$ 2,836,000
Federal Technicians	\$ 23,898,000	\$ 25,363,000	\$ 25,883,000
<b>Total</b>	<b>\$ 54,919,000</b>	<b>\$ 53,834,000</b>	<b>\$ 55,218,000</b>

## **PAYROLL TREND FIGURES**

PERSONNEL CLASSIFICATION	FY 2013	FY 2014	FY 2015
Active Guard Reserve (AGR)	136	142	154
Traditional (Assigned)*	817	889	935
State Employees (Assigned)**	37	42	35
Federal Technicians	289	289	275
<b>Total</b>	<b>1,279</b>	<b>1,362</b>	<b>1,399</b>

## **COMMODITY EXPENDITURES**

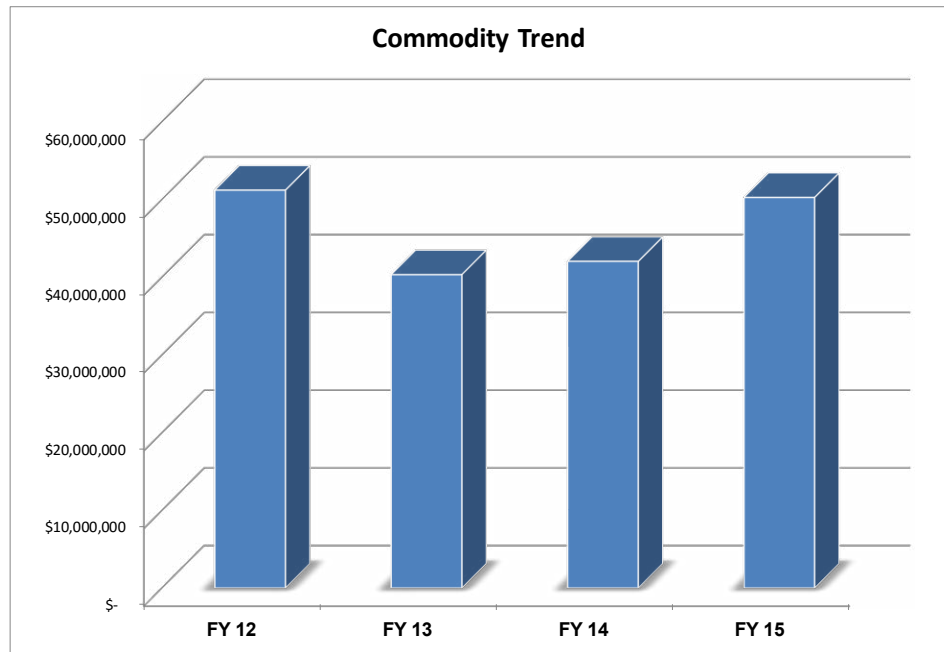
COMMODITY	ANNUAL EXPENDITURES
Military Construction (MILCON)	\$ 1,548,000
Contracted Services	\$ 2,205,000
Supplies/Equipment*	\$ 1,523,000
Travel/Per Diem *	\$ 578,000
Minor Construction (SRM)	\$ 2,038,000
Utilities/Building Maintenance (RPS)	\$ 422,000
Student Loan Repayment	-
Research and Development	-
Aircraft Maintenance & Fuel	\$ 41,928,000
<b>Total</b>	<b>\$ 50,242,000</b>
*Includes O&M and MILPERs Matching Funds Not Included	





## COMMODITY TREND FIGURES

COMMODITY	FY 2013	FY 2014	FY 2015
Military Construction (MILCON)	\$ 1,315,000	\$ 146,000	\$ 1,548,000
Contracted Services	\$ 1,361,000	\$ 1,396,000	\$ 2,205,000
Supplies/Equipment*	\$ 923,000	\$ 1,299,000	\$ 1,523,000
Travel/Per Diem *	\$ 1,297,000	\$ 1,832,000	\$ 578,000
Minor Construction (SRM)	\$ 1,672,000	\$ 3,571,000	\$ 2,038,000
Utilities/Building Maintenance (RPS)	\$ 281,000	\$ 345,000	\$ 422,000
Student Loan Repayment	\$ 95,000	\$ 3,000	-
Research and Development	\$ 2,000	-	-
Aircraft Maintenance & Fuel	\$ 33,358,000	\$ 33,426,000	\$ 41,928,000
<b>Total</b>	<b>\$ 40,304,000</b>	<b>\$ 42,018,000</b>	<b>\$ 50,242,000</b>

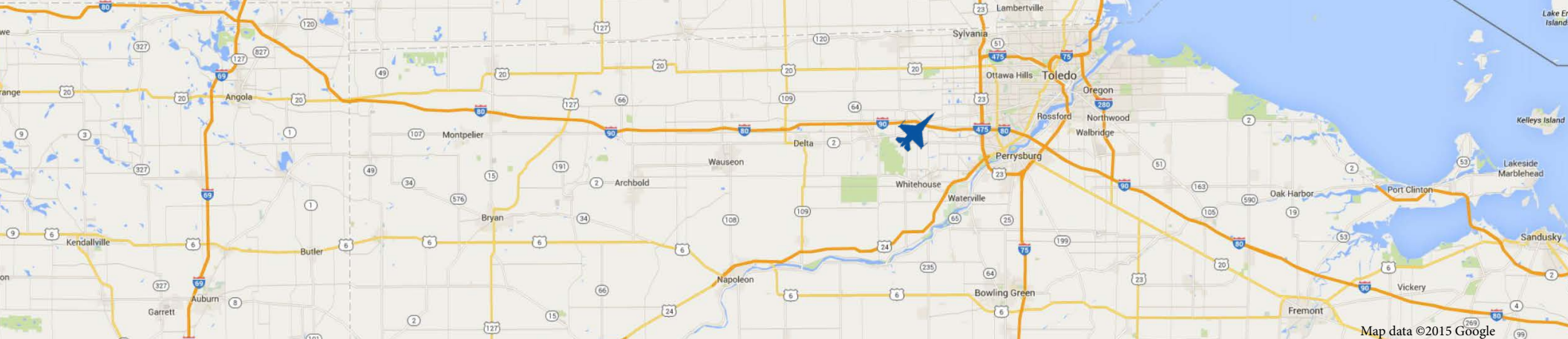


## AMERICAN RED CROSS BLOOD DRIVE CONTRIBUTIONS

2013	2013	2014	2015
49 Units*	72 Units	70 Units	114 Units
* Years where one or more drives were cancelled/rescheduled			
<p><i>"The Ohio Air National Guard has proven to be a very reliable source to help maintain the supply of blood products in our Region. 2015 has been our best year yet with Ohio Air National Guard collecting 114 units, helping to save 342 lives."</i></p> <p>Erica Holland, American Red Cross Senior Donor Recruitment Representative Western Lake Erie Services Region</p> <p>The 180<sup>th</sup> Fighter Wing has been a proud supporter of the American Red Cross by hosting at least three blood drives each year totaling over 800 units of blood collected to date.</p>			

## COMMUNITY CONTRIBUTIONS

YEAR	POUNDS OF FOOD	MONEY
2012	4,917	\$ 6,909.50
2013*	908	\$ 4,261.50
2014	676	\$ 4,049.00
2015	870	\$ 3,638.00
<b>Overall Total</b>	<b>15,079</b>	<b>\$ 48,463.00</b>
<p>*Denotes years with major overseas deployments Overall total = past 10 years of participation</p> <p><i>"Seagate can't change the world, but I am proud to say that we make a small difference in our community. That difference would not be attainable without the generosity and compassion of the 180<sup>th</sup> Fighter Wing. We appreciate and commend the 180<sup>th</sup> Fighter Wing on keeping our Country safe and also their care and compassion for our local community"</i></p> <p>Deborah A. Vas, NW Ohio Community Leader</p>		



# OHIO COMMUNITY

As one of the largest cities in the state of Ohio, home to almost 300,000 people, Toledo boasts top-notch education, community and economical programs, and organizations. The Toledo Area Small Business Association and Chamber of Commerce serve to promote the growth and prosperity of the region. Not only is the Toledo area home to several public and private k-12 schools ranking among the top in the state, it also boasts numerous nationally ranked universities and colleges amongst having a vibrant economic presence.

Creating future leaders is accomplished through exceptional higher-educational institutions. With a strong commitment to first-year students, approximately 40 study-abroad programs and students from 71 various countries, Bowling Green State University gives people from around the world an inside look at the uniqueness that the city of Toledo offers.

Providing a local collegiate rivalry, the University of Toledo is committed to furthering research, technology and the expansion of knowledge for its students, faculty and public. Ranked in the top 100 engineering programs and recognized as one of the Best Law Schools by the Princeton Review, the University of Toledo provides an innovative and progressive education for students that compliments the sustainability of the community. Also, home to the University of Toledo is a Medical Center with a new state-of-the-art learning facility called the Interprofessional Immersive Simulation Center. The center uses 3-D imagery and virtual immersive spaces and has even made the facilities available to military partners. The 180FW has a learning partnership with the UTMCI and has received training available almost nowhere else in the country.

Other local colleges include Heidelberg University, Lourdes University,

Defiance College, Owens Community College, Northwest State Community College and Stautzenberger College.

Family fun and educational opportunities are highlights, as many activities are available at venues across the region. The Toledo Museum of Art, first established in 1901, has been internationally recognized and ranked as the number one attraction in Toledo for seven years running on TripAdvisor.com. The museum houses over 30,000 pieces of art and contains more than 45 galleries, sculpture gardens and a glass pavilion, which add to the unique architecture and experience the museum contributes to the community.

Toledo's Zoological Society is consistently rated as one of the nation's best and offers a wide array of family fun. The Toledo Zoo was rated the number one zoo in America by USA Today and houses more than 9,000 exotic animals, representing over 800 species, within

beautiful, historic architecture and a "Natures Neighborhood" for children to explore. Bringing a musical life to nature, the zoo has an amphitheater that features notable musicians and entertainment acts throughout the summer.

Toledo's Imagination Station reels in special and interesting exhibits to compliment the non-profit center's focus on science, technology and education. The center brings imagination, creativity and learning to the Toledo youth through innovative experiences and activities.

Toledo provides a robust educational and cultural environment for its community members. ✈





# HISTORY



Today's 180th FW was formed in October 1995, but its origins stretch back to Aug. 18, 1917 when the 112th Aero Squadron was organized as a supply unit at Kelly Field in San Antonio, Texas. Ten years later in 1927, the 112th moved to the Cleveland Hopkins Airport, Ohio where they became known as the 112th Observation Squadron flying a wide range of aircraft throughout the late 1920's and 1930's including the PT-1, BT-1, the O-2 and the O-11. In 1940, the unit was regrouped as the 112th Liaison Squadron.

During that time, the 112th was activated in support of World War II and Lt. Col. Addison Baker, a B-24 Liberator pilot received the Congressional Medal of Honor for his actions during the raids on the oil fields at Ploesti, Romania. After the war, the unit was reorganized as the 112th Bombardment Squadron (Light), flying Douglas A-26 Invaders and they were activated at Lawson Field, Georgia in support of the Korean Conflict in 1950. After the conflict ended, the unit returned to Ohio as an Air National Guard Fighter Bomber Squadron flying F-51 Mus-

tangs at the Akron-Canton Airport.

Several more reorganizations and aircraft conversions took place throughout the next 20 years. First, the unit moved to Toledo as a Fighter Interceptor Squadron and converted from the F-51 to the F-84 E/F Thunderjet model aircraft in 1958. Then the unit became the 112th Tactical Fighter Squadron in 1958 and was activated for the Berlin Crisis in 1961. In 1962, the 112FS became part of the newly formed 180th Tactical Fighter Group. In 1970, the 180th TFG transitioned from the F-84 to the F-100 Super Sabre

and then to the A-7 Corsaire in 1979. Then in 1992, the 180th received its first F-16 Fighting Falcon just before being renamed the 180th Fighter Wing in 1995.

Over the years, members of the 180FW and the 112FS have answered the call to duty by supporting several real-world contingencies to including Operation Just Cause in 1989 and Operation Desert Storm and Desert Shield in 1991. In 1994, 1996, 1999, 2000, 2001 and 2002 unit members volunteered to enforce the No-Fly-Zones over Iraq in support of Operation Provide Comfort, Operation Northern Watch and Operation Southern Watch. Following the horrific events of Sept. 11, 2001, unit members have volunteered to support both Operation Iraqi Freedom and Operation Enduring Freedom in 2005 and Operation Iraqi Freedom again in 2007 and 2008. Most recently, in 2013, the wing deployed for the first time to Djibouti, Africa, in support of Operation Enduring Freedom.

While deployed to Africa, the wing received an unscheduled tasking to forward deploy to Azraq, Jordan. The men and women of the 180FW accepted and flawlessly executed this short-notice challenge and moved 221 personnel, eight F-16 Fighting Falcons and 250 tons of support equipment to stand up a bare base in less than 72 hours. Before returning home, 180FW Airmen assisted in yet another relocation, from Jordan to Afghanistan, moving personnel, aircraft and support equipment to Kandahar.

Always striving to better the wing, and the Air National Guard, the 180FW continually seeks out new missions. In 2006, the 180FW began the develop-



ment of a 10 acre solar renewable energy site. The site is an operational 1.6 megawatt photovoltaic field which is slated for expansion to approximately 1.9 Megawatts peak electrical capacity. Currently, the system produces approximately 33 percent of the unit's annual electrical requirements, in turn saving the taxpayers an estimated \$230,000 each year while reducing the wing's dependence on coal by almost 623 tons annually. Most recently, the wing added 10 Dual Access Tracking Arrays.

From 2007 to 2015, the 180th Fighter Wing Medical Group joined

Ohio's Chemical Biological Radiological Nuclear or High-Yield Explosives Homeland Response Force Package, or HRF. This joint package was designed by the National Guard Bureau and is comprised of civilian emergency agencies and Army National Guard components.

Ohio's HRF team serves the Federal Emergency Management Agency's region five, supporting Ohio, Michigan, Indiana, Illinois, Wisconsin and Minnesota. The team's mission is to provide immediate response to the Governor in searching disaster sites,

rescuing casualties, decontaminating them, performing medical triage and initial treatment to stabilize them for transport to nearby medical facilities.

The 180FW Propulsion Element was selected in 2008 as the first Pratt and Whitney - 229/220 Repair Network Integration team to have provided War Ready Engines for the F-15 and F-16 communities by rebuilding and testing 81 engines from 2009 to date in support of the Air Force and Air National Guard. These engines have been sent to coalition partners as well as U.S. Air Force installations.

Activated in October 2008, the Air Sovereignty Alert mission became the newest mission at the 180FW. Today, the mission is known as Aerospace Control Alert, after the mission underwent an official name change in July, 2011, to more accurately depict the mission. Directly supporting Operation Noble Eagle, the 180FW aids in the protection of the Continental United States and Canada under the direction of the North American Air Defense Command, or NORAD. Since the activation of the mission at the 180FW, ACA has responded to 135





real-world events, totaling 380 flying hours in support of ONE. The ACA team continues to excel at the nation's number one priority, our 24/7/365 mission, year after year, earning the highest possible "Mission Ready" NORAD Command inspection ratings and "Best Seen to Date" comments for both Alert Forces Evaluations and Alert Forces Operational Assessments in 2009, 2012 and 2014. The 180FW ACA was the first unit to ever win the 1st Air Force ACA Unit of the Year title, two consecutive years in a row in 2010 and 2011.

Our ACA team has produced several 1st Air Force-level individual award winners as well over the years to include Pilot of the Year in 2011, Senior Noncommissioned Officer of the Year in 2009, Noncommissioned Officer of the Year in 2009 and 2011, Maintainer of the Year for 2010 and Command Post Controller of the Year in 2010, 2011 and 2012. Most recently a 180FW Airman was selected as the 1st Air Force First Sergeant of the Year for 2014. In 2015, a 180FW Airman was selected as the 2015 Security Forces Aerospace Control Alert Airman of the Year.

The team's continued excellence has earned them the full confidence of the Continental U.S. North American Aerospace Defense Command Region Commander when he remarked "the 180FW is the benchmark for these

operations." In the future, the 180FW and the 112FS will continue to be major contributors to the nation's air superiority.

Known for leaning forward in the research, development and implementation of green energy programs, in 2012, the 180FW became the first Air National Guard wing to fly routine training missions solely on bio-fuel as part of the testing plan with the Air Force to certify more than 40 aircraft models for bio-fuel use. Two 180 FW aircraft were designated to test 100,000 gallons of the renewable fuel as one of the final steps before taking the fuel mainstream and allowing the



F-16 to use bio-fuel in unrestricted operations. The wing's use of Bio-fuels further reduces dependence on fossil fuels and brings us one step closer to achieving our goal of energy independence.

As part of the Air National Guard's community mission, 27 of our medical personnel deployed to Martin, Tennessee in support of "Hope of Martin," a two-week health fair in 2013 where they assisted in providing free medical care to over 3,000 patients. Our Airmen helped to conduct over 7,900 medical procedures and produce over 1,100 pairs of eyeglasses for the people of Martin and surrounding communities.

during a three-week runway resurfacing project at Toledo Express Airport. The wing's alert mission and daily training never skipped a beat as our Airmen executed their responsibilities flawlessly.

The 180FW also received the first of four active duty pilots in 2015, as part of the Active Association integration and contributing to the establishment of the One Force concept.

The 180FW remains committed to maintaining the long-standing tradition of high standards when providing combat ready Airmen for our federal, state and community missions. ✈

Our Training Affiliation Agreement with the University of Toledo Medical Center, the first agreement of its kind in the Air National Guard and recognized as a benchmark training program at the National Guard level, was renewed for another five years. This training program streamlines medical skills verification and hands-on training of our military medical personnel locally while also providing extra manpower at the medical center during the wing's training weekends. This partnership is projected to save more than \$20,000 in training costs for each of our military medical personnel.

In the fall, the wing successfully relocated aircraft and personnel to Wright-Patterson Air Force Base

**The National Guard has served  
America as both a wartime force  
and the first military responders  
in times of domestic crisis.**

**Hundreds of times each year,  
the nation's governors call upon  
their Guard troops to respond  
to fires, floods, hurricanes and  
other natural disasters.**

**--Ret. Lt. Gen. Russel L. Honore**







**<http://www.180fw.ang.af.mil/>**

** 180th Fighter Wing**

** @180thFW**

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