

# 180<sup>TH</sup> FIGHTER WING

OHIO AIR NATIONAL GUARD



180th Fighter Wing, Office of Public Affairs  
Toledo Air National Guard Base, OH 43558  
(419) 868-4072 DSN: 580-4072

[www.180fw.ang.af.mil](http://www.180fw.ang.af.mil)

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## 2011 ANNUAL REPORT



**Col. Steven S. Nordhaus  
Commander**

2011 was again a year of excellence for the 180th Fighter Wing. In January I began my tenure as commander of the 180th as Colonel Bartman transitioned to the rank of Brig. Gen. and his new position as Assistant Adjutant General for Air at our state headquarters.

We continued to perform our 24/7, 365 home station Aerospace Control Alert mission in support of Operation NOBLE EAGLE. This mission, performed under the direction of the North American Aerospace Command continually demonstrates our base as a vital link in homeland defense.

Wing members hosted the first ever Stage Door Canteen Dinner Event for World War II veterans in Northwest Ohio. More than 250 veterans and escorts were transported back in time via era-correct military vehicles and memorabilia in our main hangar. This highly successful event helped raise funds for Honor Flight and included a visit by a P-51 Mustang and B-25 Bomber. It was fantastic to see some of our young unit members interact with these great heroes and members of our greatest generation.

At our state awards banquet the 180th took a clean sweep of all state awards that were presented. We also earned the Aerospace Control Alert Unit of the Year two consecutive years in a row. These accomplishments are unprecedented and clearly demonstrate the culture of excellence that is pervasive throughout our unit.

We sincerely appreciate the tremendous community support we receive from Northwest Ohio and Southeast Michigan and we will continue to earn your trust and respect. Please take a few minutes and read through this report so that you can clearly see that we are proud members of this community and we are ready to defend each and every citizen from any threat.

**WING PRIORITIES**  
**Leaders - Warriors - People Focused - Capabilities**

**GENERAL INFORMATION**

- Wing Commander..... Colonel Steven S. Nordhaus
- Unit Location..... Toledo Express Airport, Swanton, Ohio
- Aircraft..... F-16 CM, Block 42, Fighting Falcon
- Mission Designation..... Interdiction, Close Air Support and Air Defense
- Assignments..... Air Combat Command (ACC)  
North American Aerospace Defense Command (NORAD)  
National Guard Bureau  
Ohio Joint Force Headquarters

**LOCATION**

Located at the Toledo Express Airport in Northwest Ohio, the 180th Fighter Wing is uniquely positioned for future endeavors to include joint basing initiatives. As U.S. Forces engage worldwide in a war against terror, the need for a joint, integrated military force will continue to be essential for success.

Northwest Ohio offers convenient access to 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 local regional airport serves as a air freight transportation and distribution center.

**INFRASTRUCTURE**

The 180th Fighter Wing 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 aircraft and missions and has made provisions to accommodate those airframes 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.

## RECENT ACCOMPLISHMENTS

- 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
- Air Force Outstanding Unit Award - 2010, 2000, 1990, 1981
- 9th Air Force Standardized/Evaluation Inspection - Excellent - 2010
- Operational Readiness Inspection - Excellent - 2010
- ANG Command Post Unit of the Year - 2010
- ANG Ground Safety Award - 2008, 2007
- ANG Environmental Management System/Environment Safety, Occupational Health Management System Award - 2008

## THE FLYING MISSION

The 180th Fighter Wing has access to military operating airspace and air-to-ground gunnery ranges suited for the capabilities of the F-16. Both Alpena Airspace Complex, Mich. and Buckeye Airspace, Ohio are supersonic, chaff/flare capable with full radar ground control or GCI and Link-16 capable.

Added to that, three aerial gunnery ranges; Atterbury, Ind.; Jefferson, Ind.; and Grayling, Mich. which are approved for employment of precision guided munitions allow for the 180th to remain proficient in its air interdiction, close air support and air defense missions 365 days a year.

## THE F-16 CM 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 180th Medical Group supports the Joint Chemical, Biological, Radiological, Nuclear and high-yield Explosive (CBRNE) Enhanced Response Force Package (CERFP, providing emergency response along side civilian emergency agencies and Army National Guard components.

The 180th Fire and Emergency Services Flight provides 24-hour joint emergency response for the Toledo Express Airport along side the Lucas County Port Authority Public Safety Department.

The 180th Propulsion Shop is the first Pratt and Whitney - 229/220 Repair Network Integration (RNI) team to have provided War Ready Engines (WRE) by rebuilding and testing 32 engines from 2009 to date in support of the Air Force and Air National Guard. 25 of these engines have been sent to coalition partners as well as 11 U.S. Air Force installations.



## ENERGY INDEPENDENCE

The 180th Fighter Wing currently has an operational 1.56 megawatt photovoltaic field which is planned to be expanded to approximately 1.9 Megawatts peak electrical capacity. Currently the system produces approximately 47% of the unit's annual electrical requirements, in turn saving the taxpayers an estimated \$215,000 each year while reducing the wing's dependence on coal by almost 525 tons annually.

The 180th Fighter Wing has entered into the world of alternative fuels, and recently installed a 250 Gallon Bio-Diesel fuel tank. The Bio-Diesel fuel is used to power our Low Speed Vehicle fleet and Lawnmowers that are used by Civil Engineering for Base maintenance. The Wing's use of Bio-Diesel further reduces dependence on fossil fuels and brings us one step closer to achieving our goal of energy independence.

## ENVIRONMENTAL

The 180th Fighter Wing 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's progressive Environmental Management System or EMS was used to identify and install new, secondary containment structures to minimize the effects of fuel handling and has enhanced emergency response capabilities. In addition, the wing's aggressive recycling programs for scrap metals, wood, paper, cardboard and beverage containers has been nationally recognized and are being emulated by other units.

## COMMUNITY

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.

With a strong commitment to first-year programs, Bowling Green State University is ranked as one of the top 100 public universities in the nation by U.S. News and World Report. While being ranked 18th in the country for its Engineering program, the University of Toledo is also one of 17 public institutions with a school of medicine.

Other local colleges include Heidelberg University, Lourdes University, Defiance College, Owens Community College, Northwest State Community College and Sautzenberger College.

Family fun and educational opportunities are highlights as many activities are available at the following venues: The Toledo Museum of Art houses over 30,000 pieces of art and is ranked among the finest in the country. It contains more than 35 galleries, sculpture gardens and glass pavilion.

Toledo's Zoological Gardens is consistently rated as one of the nation's best and offers a wide array of family fun. The Toledo Zoo is home to more than 4,800 exotic animals within beautiful, historic architecture and a "Nature's Neighborhood for children to explore.

## 180<sup>TH</sup> FIGHTER WING ECONOMIC IMPACT STATEMENT

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 180th Fighter Wing. This statement will provide an account of the contributions to the local economy for Fiscal Year 2011, Oct. 1, 2010 through Sept. 30, 2011.

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

## ERIS INTRODUCTION

During FY 2011, the 180th Fighter Wing contributed over 100 million dollars in both direct and indirect economic support to the overall economy, of which over 85 million dollars directly impacted the local region. The largest portion of this was over 49 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.

The 180th Fighter Wing is a proud member of the local community and we look forward to working with our supportive community neighbors in the future.



Technical Sgt. James Gerschutz, 180th Fighter Wing, donates blood at a Red Cross blood drive hosted at the 180th Fighter Wing. The 180th FW has been hosting blood drives for unit members since 2004. Throughout that time, 180th members have donated 438 units of blood.



Members of the 180th Fighter Wing, have been participating in the Dragon Boat Festival on the Maumee River in Downtown Toledo, Ohio since 2008. The Great Maumee River Dragon Boat Festival raises funds to support the mission of Partners In Education of Toledo.

## 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		48,047	Square Yards

NAME	AREA	UNITS
HANGAR	63,150	Square Feet
FIRE HOUSE	7,092	Square Feet
POWERED SUPPORT EQUIP.	4,291	Square Feet
GUARDHOUSE (North)	94	Square Feet
WATER TREATMENT/STORAGE	404	Square Feet
PWRD SUPT EQUIP. STORAGE	2,064	Square Feet
AIRCRAFT FABRICATION	13,240	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	27,195	Square Feet
SECURITY FORCES	9,307	Square Feet
TACAN STATION, FIXED	407	Square Feet
AMBULANCE SHELTER	288	Square Feet
FUEL CELL MAINT/COR. CONTROL	20,235	Square Feet
LOX/LIN STORAGE	171	Square Feet
AVIONICS/WEAPONS RELEASE	27,903	Square Feet
MUNITIONS STORAGE	4,200	Square Feet
MUNITIONS OPERATIONS	1,820	Square Feet
MEDICAL TRAINING	516	Square Feet

**CORE VALUES**  
Integrity - Service - Excellence

## CAPITAL ASSETS CONTINUED

FIRE HOUSE STORAGE	1,388	Square Feet
MUNITIONS EQUIP. STORAGE	5,951	Square Feet
AAFES/MOBILITY STORAGE	7,350	Square Feet
DINING HALL/MEDICAL/BAND	23,241	Square Feet
ENGINE SHOP	13,009	Square Feet
HYDRAZINE STORAGE	213	Square Feet
HAZARDOUS WASTE STORAGE	240	Square Feet
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	1,043	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

Total Facility Areas = 343,733 Square Feet

**Total Facility Replacement Costs = \$229,791,000**



**FY 2011 CONTINGENCY DEPLOYMENTS  
(AS OF SEPT. 30, 2011)**



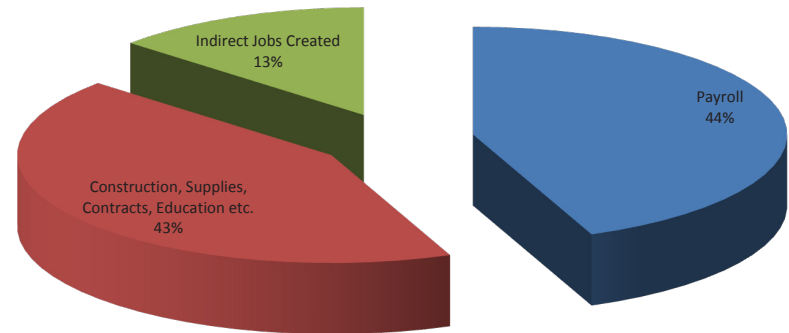
COUNTRY	LOCATION	NUMBER OF PERSONNEL
Iraq	Al Asad	22
Iraq	Balad	17
Qatar	Al Udeid	4
United Arab Emirates	Al Dhafra	3
Afghanistan	Bagram	8
Bahrain	Isa	1
Spain	Moron	37
Korea	Osan	2
<b>TOTAL</b>	<b>8</b>	<b>94</b>

**OHIO NATIONAL GUARD VISION**

“To be a relevant operational reserve powered by a diverse team of engaged Soldiers, Airman and Civilians, and to be respected for its leadership and ability to produce and employ ready units that epitomize the values of integrity, excellence, reliability and trust.”

**FY TOTAL ECONOMIC IMPACT  
(AS OF SEPT. 30, 2011)**

ITEM	PAYROLL
Payroll	\$ 49,530,000
Construction, Supplies, Contracts, Education, etc.	\$ 36,358,900
Indirect Jobs Created	\$ 15,071,300
<b>Total Economic Impact</b>	<b>\$100,960,200</b>



**WING VISION**

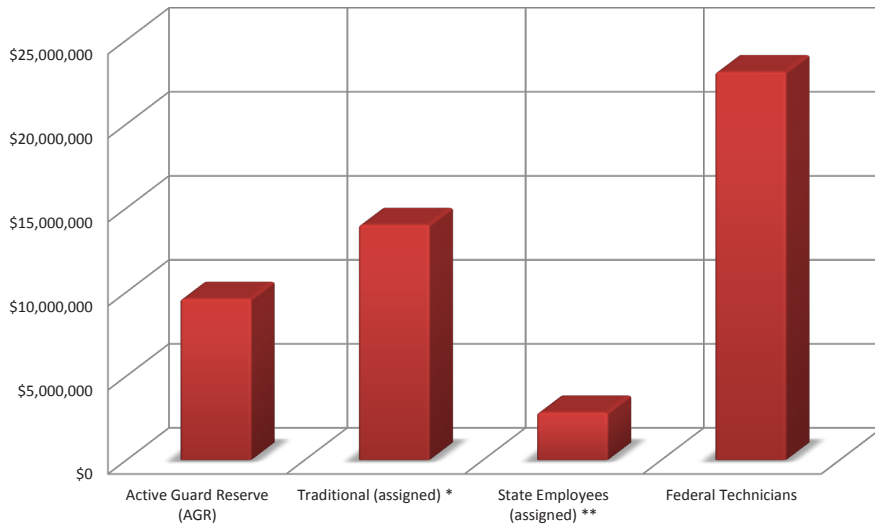
**To be the Best Fighter Wing in the World!**

**SUMMARY OF PERSONNEL AND GROSS  
PAYROLL CLASSIFICATION  
(AS OF SEPT. 30, 2011)**

PERSONNEL CLASSIFICATION	NUMBER OF PERSONNEL	PAYROLL
Active Guard Reserve (AGR)	141	\$ 9,600,000
Traditional (Assigned)*	933	\$ 14,000,000
State Employees (Assigned)**	43	\$ 2,830,000
Federal Technicians	245	\$ 23,100,000
<b>Total</b>	<b>1,362</b>	<b>\$ 49,530,000</b>

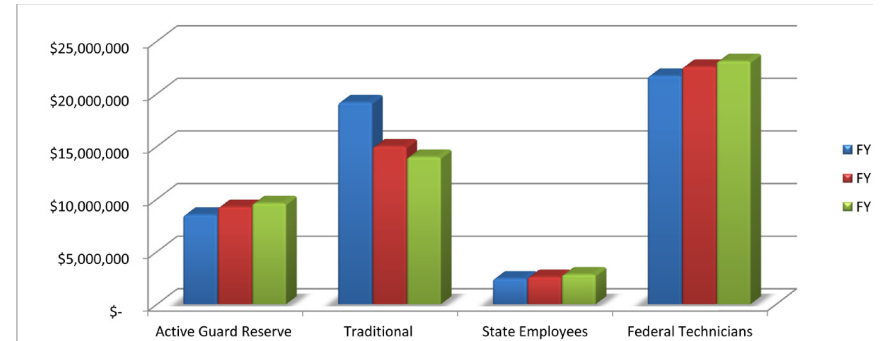
\* Includes the 245 federal technicians as they are also traditional guardsmen  
 \*\* Includes state share

**FY 11 Gross Annual Pay**



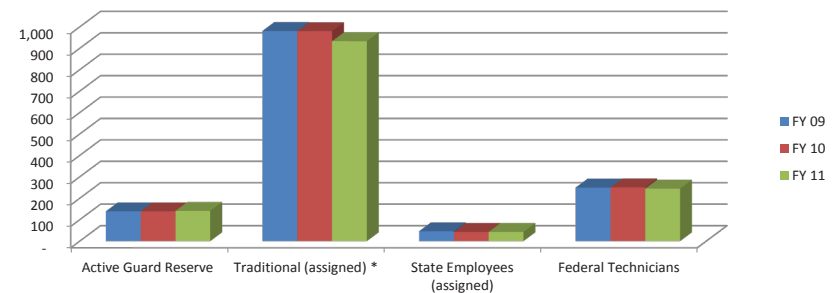
**PAYROLL TREND FIGURES  
FY 2009 - FY 2011**

PERSONNEL CLASSIFICATION	FY 2009	FY 2010	FY 2011
Active Guard Reserve (AGR)	\$ 8,500,00	\$ 9,241,000	\$ 9,600,000
Traditional (Assigned)*	\$ 19,184,900	\$ 15,000,000	\$ 14,000,000
State Employees (Assigned)**	\$ 2,444,000	\$ 2,597,000	\$ 2,830,000
Federal Technicians	\$ 21,700,000	\$ 22,557,000	\$ 23,100,000
<b>Total</b>	<b>\$ 51,828,900</b>	<b>\$ 49,395,000</b>	<b>\$ 49,530,000</b>



**PAYROLL TREND FIGURES  
(FY 2009 - FY 2011)**

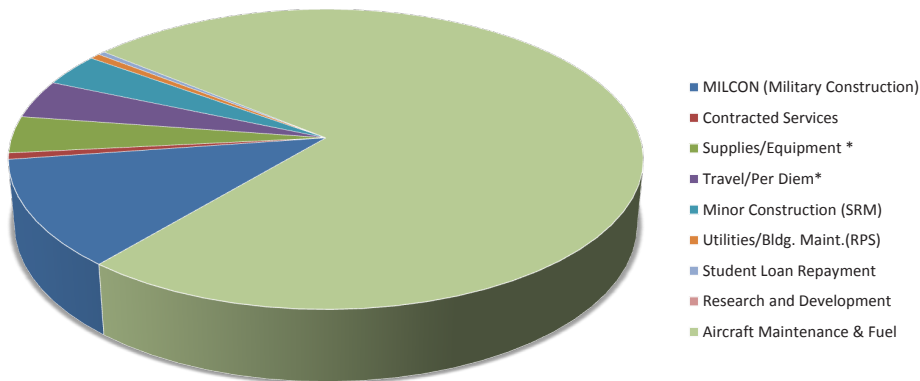
PERSONNEL CLASSIFICATION	FY 2009	FY 2010	FY 2011
Active Guard Reserve (AGR)	139	139	141
Traditional (Assigned)*	981	980	933
State Employees (Assigned)**	46	43	43
Federal Technicians	250	251	245
<b>Total</b>	<b>1,416</b>	<b>1,413</b>	<b>1,362</b>





### COMMODITY EXPENDITURES FY 2011

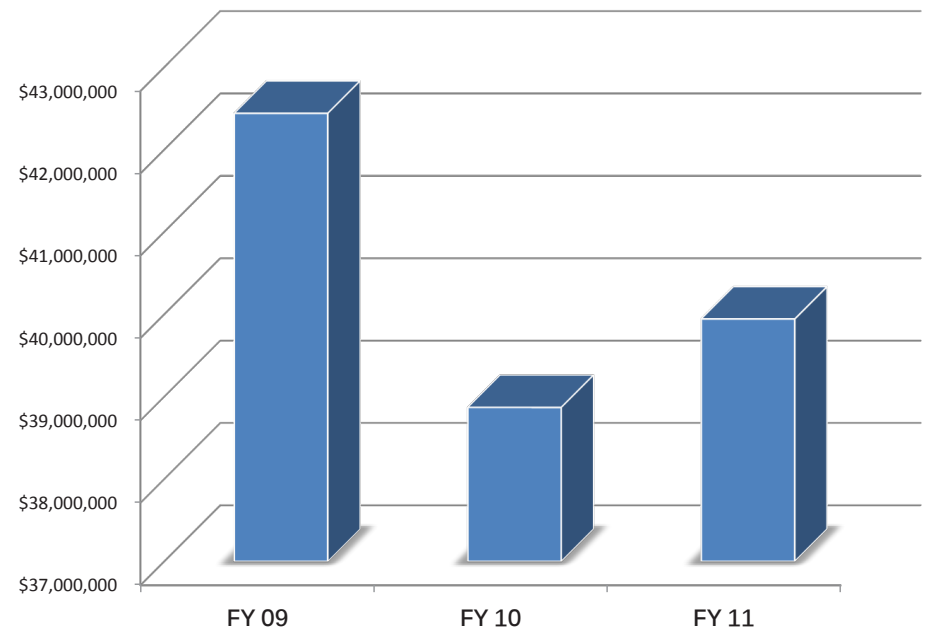
COMMODITY	ANNUAL EXPENDITURES
Military Construction (MILCON)	\$ 4,631,000
Contracted Services	\$ 272,000
Supplies/Equipment*	\$ 1,583,000
Travel/Per Diem *	\$ 1,653,000
Minor Construction (SRM)	\$ 1,400,000
Utilities/Building Maintenance (RPS)	\$ 242,000
Student Loan Repayment	\$ 160,900
Research and Development	-
Aircraft Maintenance & Fuel	\$ 30,000,000
<b>Total</b>	<b>\$ 36,358,900</b>
*Includes O&M and MILPERs	Matching Funds Not Included



### COMMODITY TREND FIGURES

FY 2009 - FY 2011

COMMODITY	FY 2009	FY 2010	FY 2011
Military Construction (MILCON)	\$ 481,200	\$ 1,237,400	\$ 4,631,000
Contracted Services	\$ 1,086,000	\$ 427,000	\$ 272,000
Supplies/Equipment*	\$ 1,934,000	\$ 1,139,300	\$ 1,583,000
Travel/Per Diem *	\$ 1,634,800	\$ 1,323,000	\$ 1,653,000
Minor Construction (SRM)	\$ 3,306,000	\$ 2,338,000	\$ 1,400,000
Utilities/Building Maintenance (RPS)	\$ 144,900	\$ 271,000	\$ 242,000
Student Loan Repayment	\$ 156,700	\$ 179,000	\$ 160,900
Research and Development	\$ 5,495,000	\$ 3,553,800	-
Aircraft Maintenance & Fuel	\$ 28,200,000	\$ 28,400,000	\$ 30,000,000
<b>Total</b>	<b>\$ 42,438,600</b>	<b>\$ 38,868,500</b>	<b>\$ 36,358,900</b>



### OHIO NATIONAL GUARD MISSION

“When called, we respond with ready units to execute federal, state and community missions.”



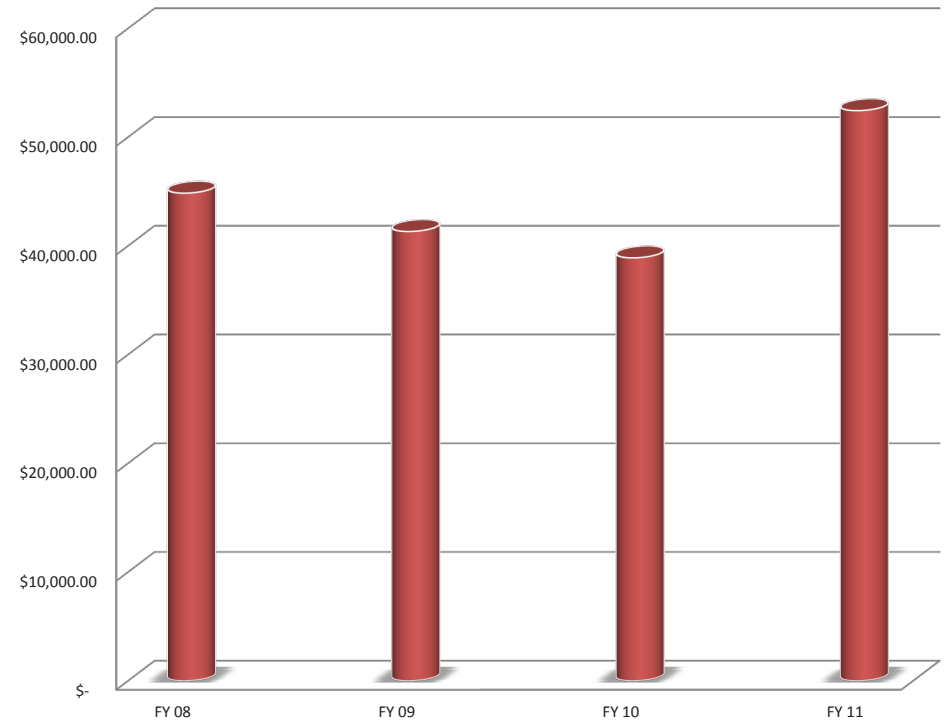
**ESTIMATED NUMBER & DOLLAR VALUE  
OF INDIRECT JOBS CREATED**

TYPE OF PERSONNEL	NUMBER OF JOBS AT 180TH FW	INDIRECT JOB MULTIPLIER	NUMBER OF INDIRECT JOBS CREATED
Active Guard Reserve (AGR)	141	0.41	57.81
Traditional Guardsmen (Part Time)*	933	0.16	149.28
State Employees	43	0.55	23.65
Technicians (DOD Civilians)	245	0.55	134.75
<b>Total Number of Indirect Jobs Created</b>			<b>365.49</b>
<b>Average Annual Local Community Pay</b>			<b>\$ 41,236.00</b>
<b>Estimated annual dollar value of indirect jobs created</b> <small>(Total number of indirect jobs created x average annual pay for the local community)</small>			<b>\$ 15,071,300</b>
*Number includes the 245 federal technicians as they are both full-time employees as well as traditional guardsmen.			
<b>Data Sources for Indirect Job Multiplier and Local Average Annual Pay</b>			
Multipliers from Labor Market Index (LMI) economic impact database installations and indirect job multipliers. CQ1 2011 Quarterly Census of Employment and Wages from Bureau of Labor Statistics, U. S. Department of Labor.			



**COMBINED FEDERAL CAMPAIGN (CFC)  
CONTRIBUTIONS**

FY 2008	FY 2009	FY 2010	FY 2011
\$ 44,862.00	\$ 41,335.00	\$ 38,913.00	\$ 52,450.00



**TOLEDO SEAGATE FOOD BANK  
CONTRIBUTIONS**

YEAR	POUNDS OF FOOD	MONEY
2008	2,445	\$ 5,907.18
2009	1,618	\$ 5,307.50
2010	1,314	\$ 5,358.54
2011	1,953	\$ 6,171.00
<b>Total</b>	<b>7,330</b>	<b>\$ 22,744.22</b>

“The 180th understands that hunger is significantly detrimental to the health and well being of individuals, families, children and senior citizens.”

- Deborah A. Vas

Executive Director, Toledo Seagate Foodbank

## 180<sup>TH</sup> FIGHTER WING HISTORY

Today's 180th Fighter Wing was formed in October 1995, but its origins stretch back to August 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. During this time 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 was over, the unit returned to Ohio as an Air National Guard Fighter Bomber Squadron flying P-51 Mustangs 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 P-51 to the F-84 E/F Thunderjet model aircraft in 1955. Then the unit became the 112th Tactical Fighter Squadron in 1958 and was activated for the Berlin Crisis in 1961. In 1962 the 112th became part of the newly formed 180th Tactical Fighter Group (TFG). In 1971 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 180th and the 112th 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. Most recently, after the events of September 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.

Recently, the 180th FW has taken on several new missions. In 2006, the 180th FW began the development of a 10 acre solar renewable energy site. Currently the site is an operational 1.56 megawatt photovoltaic field which is planned to be

## 180<sup>TH</sup> FIGHTER WING HISTORY

expanded to approximately 1.9 Megawatts peak electrical capacity. Currently the system produces approximately 47% of the unit's annual electrical requirements, in turn saving the taxpayers an estimated \$215,000 each year while reducing the wing's dependence on coal by almost 525 tons annually.

In 2007, the 180th Fighter Wing Medical Group joined Ohio's Chemical Biological Radiological Nuclear or High-Yield Explosives Emergency Response Package, or CERFP. This joint package was designed by the National Guard Bureau and is comprised of soldiers and Airmen from select Army and Air National Guard units in Ohio.

Ohio's CERFP 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 180th Propulsion Shop was selected in 2008 as the first Pratt and Whitney - 229/220 Repair Network Integration (RNI) team to have provided War Ready Engines (WRE) for the F-15 and F-16 communities by rebuilding and testing 32 engines from 2009 to date in support of the Air Force and Air National Guard. 25 of these engines have been sent to Afghanistan and England, as well as 11 U.S. Air Force installations.

Activated in Oct. 2008, the Air Sovereignty Alert mission became the newest mission at the 180th Fighter Wing. 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 Nobel Eagle, the 180th Fighter Wing 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 180th FW, ACA has responded to 41 real-world events, totalling 199.50 flying hours in support of ONE. In the future, the 180th FW and the 112th Fighter Squadron will continue to be major contributors to the nation's air superiority.

## WING MISSION

**Providing combat ready Airmen (Warriors!)  
for federal, state and community missions.**