

**Fiscal Year (FY) 2011 Budget Estimates**

# **AIR FORCE RESERVE**



**FY 2011  
MILITARY CONSTRUCTION  
PROGRAM**

**February 2010**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2011**

TABLE OF CONTENTS

Table of Contents ..... i  
FY 2011 Military Construction Projects List By State ..... ii  
FY 2011 Military Construction Projects New/Current Mission, Environmental List ..... iii

*SECTION 1 - SPECIAL PROGRAM CONSIDERATIONS*

FY 2011 Pollution Abatement/Energy Conservation Listing ..... b-i

*SECTION 2 - BUDGET APPENDIX EXTRACT*

FY 2011 Appropriations Language ..... c-i  
Special Program Considerations ..... c-ii

*SECTION 3 - INSTALLATIONS AND PROJECT JUSTIFICATION DATA  
DD FORMS 1391 AND DD FORMS 1390*

Major Construction, Air Force Reserve ..... 1  
Unspecified Minor Construction, Air Force Reserve ..... 5

*SECTION 4 - PLANNING AND DESIGN*

Planning and Design, Air Force Reserve ..... 8

*SECTION 5 - FUTURE YEARS DEFENSE PROGRAM*

Future-Years Military Construction Projects List ..... 10

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM  
(DOLLARS IN THOUSANDS)**

**MAJOR CONSTRUCTION**

FY 2011 MILITARY CONSTRUCTION PROJECTS LIST

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH OF APPROP AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE #</u>
Florida	Patrick AFB Weapons Maintenance Facility	<u>3,420</u>	<u>3,420</u>	1
SUBTOTAL		3,420	3,420	
TOTAL IN THE UNITED STATES		3,420	3,420	
Unspecified Minor Construction		2,759	2,759	
Planning & Design		<u>1,653</u>	<u>1,653</u>	
<b>GRAND TOTAL</b>		<b>7,832</b>	<b>7,832</b>	

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM  
(DOLLARS IN THOUSANDS)**

**MAJOR CONSTRUCTION**

FY 2011 MILITARY CONSTRUCTION PROJECTS  
NEW/CURRENT MISSION, ENVIRONMENTAL LIST

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	NEW, CURRENT <u>ENVIR</u>	<u>FOOTPRINT</u>
Florida	Patrick AFB Weapons Maintenance Facility	<u>3,420</u>	Current	New

**TOTAL** **3,420**

**SUBTOTALS:**

New Mission	0
Current Mission	3,420
Environmental	0
Unspecified Minor Construction	2,759
Planning & Design	<u>1,653</u>

**FY 2011 APPROPRIATIONS TOTAL:** **7,832**

**SECTION 1**  
**SPECIAL PROGRAM CONSIDERATIONS**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM**

**MAJOR CONSTRUCTION**

**FY 2011 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING**

No special program considerations in FY 2011.

**SECTION 2**

**BUDGET APPENDIX EXTRACT**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM**

FY 2011 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air Force Reserve as authorized by Chapter 1803 of Title 10, United States Code, and Military Construction Authorization Acts, \$7,832,000 to remain available until September 30, 2015.



**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM**

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective action is accomplished in accordance with applicable standards and criteria.

Energy Conservation

Military construction projects specifically designed for energy conservation at installations have been developed, reviewed and selected with prioritization by energy savings per investment costs. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Flood Plain Management and Wetlands Protection

Proposed land acquisitions, disposals and installation construction projects have been planned to allow for the proper management of flood plains and protection of wetlands by avoiding long-term impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 22990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 900-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities in this program do not directly or indirectly affect any district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the project's DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Protection Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in this Military Construction Program.

### Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects included in this program. This program represents the most economical use of resources.

### Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other services having Reserve flying/non-flying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in these areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that can reasonably be expected to be maintained at authorized strength levels considering the number of persons living in these areas who are qualified for membership in those Reserve units.

### Potential Use of Vacant Schools & Other State & Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

### Congressional Reporting Requirements

Page iii, titled "New/Current Mission, Environmental List," is in response to a Senate Appropriations Committee requirement contained on page 10 (New and Current Mission Activities) of Report #100-380.

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facilities Planning and Design Guide."

**SECTION 3**

**INSTALLATION AND PROJECT JUSTIFICATION DATA  
DD FORMS 1391 AND DD FORMS 1390**

1. COMPONENT AIR FORCE RESERVE		FY 2011 MILITARY CONSTRUCTION PROJECT DATA			2. DATE  FEB 2010			
3. INSTALLATION AND LOCATION PATRICK AIR FORCE BASE, FLORIDA				4. PROJECT TITLE WEAPONS MAINTENANCE FACILITY				
5. PROGRAM ELEMENT  0502576F		6. CATEGORY CODE  215-552	7. PROJECT NUMBER  SXHT 043000		8. PROJECT COST (\$000)  \$3,420			
<b>9. COST ESTIMATE</b>								
ITEM					U/M	QUANTITY	UNIT COST	COST (\$000)
WEAPONS MAINTENANCE FACILITY					SM	776	3,080	2,390
SDD & EPAAct05								48
ANTITERRORISM/FORCE PROTECTION								24
SUPPORTING FACILITIES								620
UTILITIES					LS	-	-	(150)
SITE IMPROVEMENTS					LS	-	-	(70)
PAVEMENTS					LS	-	-	(120)
ENVIRONMENTAL / DRAINAGE					LS	-	-	(200)
COMMUNICATIONS					LS	-	-	(80)
SUBTOTAL								3,082
CONTINGENCY (5%)								154
TOTAL CONTRACT COST								3,236
SUPERVISION, INSPECTION, OVERHEAD (5.7%)								184
TOTAL REQUEST								3,420
EQUIPMENT FROM OTHER APPROPRIATIONS								125
10. DESCRIPTION OF PROPOSED WORK: Construct new 776 SM Weapons/Munitions Maintenance Facility, including parts storage, classroom, and offices. Construction shall be concrete block on slab with tile roof and shall be built in accordance with the Patrick AFB Facilities Excellence Plan, NFPA and State of Florida building standards. Includes required environmental wetland protection measures. This project shall be able to receive a United States Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED) rating of Silver. Air Conditioning: 14 Tons								
11. REQUIREMENT: 776 SM                      ADEQUATE: 0 SM                      SUBSTANDARD: 223 SM <u>PROJECT:</u> Weapons Maintenance Facility, Patrick AFB, FL (Current Mission). <u>REQUIREMENT:</u> Construct new 776 SM Weapons/Munitions Maintenance Facility, including 511 SM for Weapons shop and 265 SM for Munitions shop. Construction includes space for weapons and parts storage, classroom training and offices, and related administration and storage areas. <u>CURRENT SITUATION:</u> Existing facility is 223 SM and is inadequate to meet mission requirements. Training and gun maintenance areas are too small for current needs. Ammunition processing is performed 3 miles away due to lack of adequate space. Currently, there is no location to perform munitions trailer maintenance. The vault is filled to capacity with weapons making work in the area difficult and dangerous. New facility is Mission Critical for the 920 RQW to meet its wartime combat search and rescue (CSAR) mission. Wing helicopters are being modified for the GAU-18 50 caliber machine gun, which the current facility cannot support. The maintenance bay is inadequate for more than 3 people to work in due to most of the space being used for storage of current gun system support equipment. The .50 cal system will take up as much room as the 2 other systems combined and 920 RQW will have to maintain all 3 systems. <u>IMPACT IF NOT PROVIDED:</u> 920 RQW will be forced to continue weapons maintenance operations out of a facility that is grossly undersized, unsafe, and inefficient. Mission will be impacted because the new GAU-18 weapon cannot be serviced in the existing facility. <u>ADDITIONAL:</u> Project is a candidate for comprehensive interior design. 776 SM = 8,353 SF. POC: Mr. Mike Klug, HQ AFRC/A7PP, DSN 497-1108. <u>JOINT USE CERTIFICATION:</u> This facility can be used by other components on an "as available" basis; however, the scope of the project is based on Air Force Reserve requirements.								

1. COMPONENT AIR FORCE RESERVE	FY 2011 MILITARY CONSTRUCTION PROJECT DATA	2. DATE FEB 2010
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3. INSTALLATION AND LOCATION  
PATRICK AIR FORCE BASE, FLORIDA

4. PROJECT TITLE WEAPONS MAINTENANCE FACILITY	5. PROJECT NUMBER SXHT 043000
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12. SUPPLEMENTAL DATA:

A. DESIGN DATA (Estimated)

1. STATUS

- a. Date Design Started Mar 2010
- b. Parametric estimates have been used to develop project cost.
- c. Percentage Complete as of January 1, 2009 0%
- d. Date Design 35% Complete Jun 2010
- e. Date Design Complete - (If design-build, construction complete) Oct 2010

2. BASIS

- a. Standard or Definitive Design - Yes \_\_\_ No X .
- b. Where Design Was Most Recently Used N/A .

3. COST (Total ) = c = a + b or d + e (\$000)

- a. Production of Plans and Specifications (35% design) ( \_\_\_ )
- b. All Other Design Costs (Design-build) ( \_\_\_ )
- c. Total ( 274 )
- d. Contract (A-E) ( 211 )
- e. In-house (management) ( 63 )

4. CONSTRUCTION START Jul 2011

B. EQUIPMENT ASSOCIATED WITH THIS PROJECT WHICH WILL BE PROVIDED FROM OTHER APPROPRIATIONS:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated Or Requested</u>	<u>Cost (\$000)</u>
None			

1. COMPONENT AIR FORCE RESERVE	<b>FY 2011 GUARD AND RESERVE MILITARY CONSTRUCTION</b>	2. DATE  FEB 2010												
3. INSTALLATION AND LOCATION  PATRICK AIR FORCE BASE, FLORIDA		4. AREA CONSTR COST INDEX 0.98												
5. FREQUENCY AND TYPE UTILIZATION One unit training assembly per month, 15 days annual field training per year, daily use by technician/AGR force.														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS None														
7. PROJECTS REQUESTED IN THIS PROGRAM  <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>DESIGN START</u></th> <th style="text-align: left;"><u>DESIGN COMPLETE</u></th> </tr> </thead> <tbody> <tr> <td>215-552</td> <td>WEAPONS MAINTENANCE FACILITY</td> <td>776 SM</td> <td>3,420</td> <td>Mar 2010</td> <td>Oct 2010</td> </tr> </tbody> </table>			<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>	215-552	WEAPONS MAINTENANCE FACILITY	776 SM	3,420	Mar 2010	Oct 2010
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>DESIGN START</u>	<u>DESIGN COMPLETE</u>									
215-552	WEAPONS MAINTENANCE FACILITY	776 SM	3,420	Mar 2010	Oct 2010									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION  Approved for unilateral construction, 29 Jan 09.														
9. LAND ACQUISITION REQUIRED NONE		<i>(Number of Acres)</i>												
10. PROJECTS PLANNED IN NEXT FOUR YEARS  <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>CATEGORY CODE</u></th> <th style="text-align: left;"><u>PROJECT TITLE</u></th> <th style="text-align: left;"><u>SCOPE</u></th> <th style="text-align: left;"><u>COST (\$000)</u></th> <th style="text-align: left;"><u>YEAR</u></th> </tr> </thead> <tbody> <tr> <td></td> <td>None</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>		None					
<u>CATEGORY CODE</u>	<u>PROJECT TITLE</u>	<u>SCOPE</u>	<u>COST (\$000)</u>	<u>YEAR</u>										
	None													
RPM BACKLOG AT THIS INSTALLATION (\$000): \$32,392														

1. COMPONENT AIR FORCE RESERVE	FY 2011 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE  FEB 2010
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3. INSTALLATION AND LOCATION

PATRICK AIR FORCE BASE, FLORIDA

11. PERSONNEL STRENGTH AS OF AUG 2086

	PERMANENT (ARTs, AGRs, Non-ART Civilians)				GUARD/RESERVE		
	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>	<u>CIVILIAN</u>	<u>TOTAL</u>	<u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	325				879		
ACTUAL	277	42	204	31	864	145	719

12. RESERVE UNIT DATA

<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>	
	<u>AUTHORIZED</u>	<u>ACTUAL</u>
39 Rescue Squadron	97	90
301 Rescue Squadron	106	70
308 Rescue Squadron	97	79
920 Aircraft Maintenance Squadron	107	83
920 Aeromedical Staging Squadron	149	221
920 Logistics Readiness Flight	31	27
920 Maintenance Group	27	21
920 Maintenance Squadron	273	233
920 Mission Support Group	11	10
920 Mission Support Squadron	89	117
920 Maintenance Operations Flight	35	31
920 Operations Group	24	12
920 Operations Support Flight	98	91
920 Rescue Wing	60	56
Total	1,204	1,141

13. MAJOR EQUIPMENT AND AIRCRAFT

<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>
HC-130	5	5
HH-60G	8	9

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM  
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 2011**

**APPROPRIATION:** MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 341.020 UNSPECIFIED MINOR CONSTRUCTION \$2,759,000

**PART I - PURPOSE AND SCOPE**

The funds requested for unspecified minor construction will finance new construction projects having cost estimates less than \$2,000,000.

**PART II - JUSTIFICATION OF FUNDS REQUESTED**

The funds requested for unspecified minor construction will finance unforeseen projects generated during the year and are necessary to support mission requirements.



<b>1. COMPONENT</b> AIR FORCE RESERVE		<b>FY 2010 MILITARY CONSTRUCTION PROJECT DATA</b>			<b>2. DATE</b>  FEB 2010			
<b>3. INSTALLATION AND LOCATION</b>  VARIOUS LOCATIONS			<b>4. PROJECT TITLE</b>  UNSPECIFIED MINOR CONSTRUCTION					
<b>5. PROGRAM ELEMENT</b>  0502576F		<b>6. CATEGORY CODE</b>  010-211	<b>7. PROJECT NUMBER</b>  PAYZ 110341		<b>8. PROJECT COST (\$000)</b>  2,759			
<b>9. COST ESTIMATES</b>								
<b>ITEM</b>					<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
UNSPECIFIED MINOR CONSTRUCTION					LS	-	-	<u>2,759</u>
SUBTOTAL								2,759
TOTAL CONTRACT COST								2,759
TOTAL REQUEST								2,759
10. Description of Proposed Construction:								
11. REQUIREMENT: As required.								
<u>PROJECT:</u> Unspecified Minor Construction								
<u>REQUIREMENT:</u> This appropriation provides a lump sum amount for unspecified minor construction projects, not otherwise authorized by law, having a funded cost less than \$2,000,000. Work includes construction, alteration or conversion of temporary facilities in accordance with Title 10, USC 18233 and 18233a. These projects are not now identified but are expected to arise in FY10.								
<u>IMPACT IF NOT PROVIDED:</u> No means to accomplish exigent projects costing less than \$2,000,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modifications, alteration and conversion requirements.								

**SECTION 4**  
**PLANNING AND DESIGN**

<b>1. COMPONENT</b> AIR FORCE RESERVE		<b>FY 2010 MILITARY CONSTRUCTION PROJECT DATA</b>			<b>2. DATE</b>  FEB 2010		
<b>3. INSTALLATION AND LOCATION</b>  VARIOUS LOCATIONS				<b>4. PROJECT TITLE</b>  PLANNING AND DESIGN			
<b>5. PROGRAM ELEMENT</b>  0502576F		<b>6. CATEGORY CODE</b>  010-211	<b>7. PROJECT NUMBER</b>  PAYZ 110313		<b>8. PROJECT COST (\$000)</b>  1,653		
<b>9. COST ESTIMATES</b>							
<b>ITEM</b>				<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>
PLANNING AND DESIGN				LS	-	-	1,653
SUBTOTAL							1,653
TOTAL CONTRACT COST							1,653
TOTAL REQUEST							1,653
<b>10. Description of Proposed Construction:</b>							
<b>11. REQUIREMENT:</b> As required.  <b>PROJECT:</b> Planning and Design.  <u><b>REQUIREMENT:</b></u> Funds for architectural and engineering services and construction provide for the completed design of facilities and evaluation of designs in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys, develop master plans, working drawings, specifications, project planning reports, and designs required for those construction projects included in the Air Force Reserve (AFR) Military Construction (MILCON) Program. The advanced age and continued deterioration of the AFR physical plant and infrastructure have generated numerous facility requirements, requiring these architectural and engineering services for design. In addition, there are numerous new mission beddown projects that received no previous planning and design funds. It is essential the AFR be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities. <u><b>IMPACT IF NOT PROVIDED:</b></u> Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.							

**SECTION 5**

**FUTURE YEARS DEFENSE PROGRAM**

**DEPARTMENT OF THE AIR FORCE  
AIR FORCE RESERVE  
MILITARY CONSTRUCTION PROGRAM  
FUTURE YEARS MILITARY CONSTRUCTION PROGRAM (\$000)**

<b>FY</b>	<b>State</b>	<b>Base</b>	<b>Project</b>	<b>Type</b>	<b>Footprint</b>	<b>PA</b>
12	CA	Travis AFB	C-5 Squadron Operations and AGS Training Facility	Current Mission	New	7,000
12	OH	Wright Patterson AFB	Alter Flight Simulator for C-17	New Mission	New	845
12	OH	Wright Patterson AFB	Alter Hangars for C-17	New Mission	New	6,150
				Total Projects		13,995
				Planning and Design		2,487
				Unspecified MC		2,673
				Total FY12 Program		19,155
13	FL	Homestead ARB	Troop Feeding/Community Activity Center	Current Mission	New	7,500
				Total Projects		7,500
				Planning and Design		1,166
				Unspecified MC		5,095
				Total FY13 Program		13,761
14	IN	Grissom ARB	Control Tower	Current Mission	New	6,250
14	LA	Barksdale AFB	Life Support Addition, Bldg 6603	Current Mission	New	2,200
14	OH	Youngstown ARS	Reserve Lodging Phase 2	Current Mission	New	9,400
14	TX	Lackland AFB	Wing Training and Readiness Facility	Current Mission	New	5,800
14	SC	Charleston AFB	TFI RED HORSE HQ and Engineering Facility	New Mission	New	3,200
				Total Projects		26,850
				Planning and Design		1,293
				Unspecified MC		8,550
				Total FY14 Program		36,693
15	GA	Robins AFB	Deployment Readiness and Training Center	Current Mission	New	6,400
15	MN	Minneapolis ARS	Aerial Port Squadron Facility	Current Mission	New	7,700
15	NY	Niagara Falls ARS	TFI Joint ANG/AFRC Squadron Operations	Current Mission	New	4,500
15	CA	March ARB	TFI Small Arms Range	Current Mission	New	9,800
15	PA	Pittsburgh ARS	Lodging Facility – Phase 1	Current Mission	New	12,400
15	MA	Westover ARB	Joint Services Lodging Facility	Current Mission	New	10,400
15	GA	Dobbins ARB	Fire Station and Security Forces Complex	Current Mission	New	11,700
15	KS	McConnell AFB	Reserve Training Facility	Current Mission	New	2,000
				Total Projects		64,900
				Planning and Design		1,258
				Unspecified MC		956
				Total FY15 Program		67,114