



## Fire Control - Ambulance Rescue

### Mission

Dedicated to the preservation of life, property, and the environment. Our goal is to provide quality, cost-effective professional services predicated upon the knowledge, skills, and abilities of our members.

### Goals

To protect life and property, reduce pain and suffering, and to assure that fire prevention systems on commercial properties are properly maintained.

### Objectives

The Pembroke Pines Fire Control and Ambulance Rescue Department encompasses the following core functions: Fire Control, Emergency Medical Services, and Fire Prevention.

#### FIRE CONTROL DIVISION:

To save lives.

To reduce loss to property from fire, domestic terrorism, flood, or other natural disaster.

To maintain preparedness in the handling of natural disaster or domestic terrorism within our region.

To maintain emergency response times below five minutes for 95% of emergency calls.

To efficiently operate a Fire Department Vehicle Maintenance Facility to reduce downtime of our emergency equipment.

To continue community outreach through public education programs.

To continue extensive training in fire and domestic preparedness using both academic and practical skills to measure the employee's level of effectiveness. This will ensure the Department's state of readiness for any emergency that may present itself.

To maintain our Insurance Service Organization (ISO) Class One rating by evaluating the Fire System annually thereby reinforcing the coveted, nationally recognized rating.

To conduct pre-fire planning for all commercial and multi-family occupancies.

#### EMERGENCY MEDICAL SERVICES:

To save lives: The Rescue Division strives to meet and exceed the national average for pre-hospital return of spontaneous circulation (ROSC) in cardiac arrest victims. We provide a flexible community Cardio-Pulmonary Resuscitation (CPR)/Automatic External Defibrillator (AED) program for residents, police, general City employees and local business professionals. This program places trained individuals into our community that can assist those in need prior to the Fire Department's arrival.

Ensure competency: we continue extensive training in medical techniques for all employees utilizing up-to-date practical and scenario-based methods. This includes meeting and exceeding the prescribed hours of medical training required by the State of Florida to maintain licensure as an Emergency Medical Technician (EMT) or Paramedic.

Maintain member Basic Life Support (BLS) and Advanced Life Support (ALS) skills competency as outlined by the American Heart Association. This ensures personnel are equipped with the skills necessary to stabilize sick or injured persons.

Maintain an active role in regional medical committees and organizations. This will serve as a forum for the exchange of ideas on improving operational efficiency and to monitor trends in medical care/treatment and equipment.

#### FIRE PREVENTION:

Minimize the loss of life and property by ensuring that commercial and residential buildings are built with the required life-safety features.

Conduct annual inspections on all fire safety and fire extinguishing apparatus, multi-family residential buildings, and commercial buildings to assure that the integrity of life safety is maintained.

Provide public education to our citizens to develop their awareness of preventing and reacting to fires.

Conduct fire investigations to determine the cause of fires and to establish public education focus areas.

Provide all personnel with advantageous training and education to optimize service to the community.

### Major Functions and Activities

In addition to Fire Control, Emergency Medical Services, and Fire Prevention services, a myriad of



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other services are provided by the Department, with support being supplied by each Division for all operations, special projects, and programs.

~ OPERATIONS DIVISION - Primarily responsible for providing fire extinguishment, mitigating medical emergencies and the threats from hazardous materials and domestic terrorism. All response personnel are under the direction of the Operations Division. In addition to emergency incident response, these personnel also engage in a wide variety of other essential activities including, but not limited to,

Preventive maintenance programs for equipment and vehicles

Community training and public education programs, such as:

- Cardio-Pulmonary Resuscitation (CPR) Training
- Summer Safety Program
- Citizens' Fire Academy.

Pre-fire planning and sprinkler testing of commercial and multi-residential buildings.

~ RESCUE DIVISION - Manages the delivery of Emergency Medical Services provided by our Fire Department through the training, licensure (county and state), and preparation of crew members.

Emergency Medical Services are provided by firefighters who are also licensed as EMTs and Paramedics. Emergency Medical Services are conducted under the direction of a Medical Director who is a physician trained in Emergency Medicine.

The Department's Return of Spontaneous Circulation (ROSC) in cardiac arrest victims is consistently better than the national average. We also provide nearly 1,000 students with Cardio-Pulmonary Resuscitation (CPR)/ Automatic External Defibrillator (AED) training each year, which places skilled individuals into the community who can assist a medical victim when encountered.

The Fire Department provides Advanced Life Support from each of our first response apparatuses operating from six fire stations. Response to medical emergencies is achieved with three crew members trained in the most current medical treatment standards. All EMTs and Paramedics individually receive over 20 hours of medical continuing education each year, which satisfies and exceeds State of Florida requirements. All members of the Department are recertified in the American Heart Association BLS or ACLS.

In order to keep pace with rapidly evolving medical technologies and research medical equipment, procedures and treatments are constantly updated. This is fostered by association with various medical committees of which we are currently members:

1. Broward County Medical Association
2. EMS Subcommittee of Broward County Fire Chief's Association
  - a. Special Medical Issues Subcommittee
  - b. Inter-facility Transport Subcommittee
  - c. Advanced Life Support Committee
3. Trauma Mortality/Morbidity Group
  - Memorial Health Care

Due to these efforts and relationships, the Fire Department is proud to provide cutting-edge emergency medical care to our residents and visitors.

~ FIRE PREVENTION DIVISION - Enforces the requirements of the Florida Fire Prevention Code and other related, adopted codes.

This is accomplished by building plan reviews and on-site inspections. On-site inspections are carried out by Fire Inspectors. Other essential services provided by the Prevention Division include Fire and Arson Investigations and Community Public Education programs designed to reduce property loss and prevent fire-related injuries. Public information related to emergency calls, public awareness, self-promotion, and related activities is disseminated from the Fire Prevention Division.

~ LOGISTICS/SUPPORT SERVICES DIVISION - Supplying the Department with needed vehicles, equipment, protective clothing, and a myriad of other material needs is a major responsibility. Directs the research and development necessary for new equipment and apparatus design. Responsible for all Preventative Maintenance Programs for equipment and vehicles. This Division assures that emergency response equipment is always ready when needed. We operate our own Emergency Equipment Repair Facility. Most departmental purchasing is handled by our Logistics unit.

~ TRAINING DIVISION - Responsible for the development, scheduling, and implementation of all departmental training. The Training Division manages the performance and educational requirements of all Fire Department employees. The Division works diligently to provide quality, up-to-date training in a variety of subjects throughout the year.



## Fire Control - Ambulance Rescue

Effective training helps to achieve:

- Services that meet the needs of the public
- Efficient and effective performance
- Effective use of modern equipment
- Safe operations
- Quality customer services
- Personal and organizational pride

All facility training is accomplished by the Training Division at our own Fire Training Facility, which includes a five-story smoke tower with two burn rooms for creating realistic, comprehensive training. The facility also features the addition of a state-of-the-art propane field with several gas-fed props, two flammable liquid pits, and a flashover simulator designed to teach fire behavior and how to recognize and control the signs of impending flashover.

The Training Division completed National Incident Management System (NIMS) - Incident Command System (ICS) training for all Fire Department personnel as required by the Federal Government. The Department has maintained its NIMS compliance since 2006. Each year approximately 80,000 hours of in-service monthly training modules are completed.

### Budget Highlights

The Dispatch Center will be operated in the new fiscal year by Broward County Communications, resulting in a multi-million dollar savings.

Two new rescue ambulances have been requested to replace two units with 12 and 13 years of tough service. The accumulated repair costs of each of these vehicles are near or surpass the original purchase price of each. Additionally the downtimes of 2 months in the past 12 for each vehicle, illustrates the degradation of emergency vehicles and the costs associated with delaying the normal replacement plan as experienced in the recent economic crisis.

A new fire engine has been requested to replace a unit that is 23 years old and has cost more to repair last year than its value. The six year delay in the replacement schedule for engines has put increasing stress on our aging fleet, resulting in increasing downtimes and repair costs. Downtime for the proposed retiring engine was over three months last year.

### Accomplishments

FEMA grant sponsored security features now in place at all fire stations including remotely viewed security cameras and perimeter fencing. Extended life

expectancy and operability of capital assets for a fifth year. Replacement of Command vehicle after losing one in an accident. Florida State EMS grant provided electronic thermometers.

Communications-

All Communications Division PSD's and Supervisors received State certification to comply with the new law by October 1, 2012.

The Communications Division submitted their 232 hour in house Training Program to the State of Florida and received certification from the Florida Department of Health. This allowed Pembroke Pines to train new public safety dispatchers for the Florida State exam..

Rescue/EMS-

In concert with the Broward County Health Department, completed the Back to School Immunization Product.

Had senior level staff complete a First Response to Radiological Incidents and Weapons of Mass Destruction class from the Bureau of Radiation Control

Training-

The new Fire Explorer Program is in progress; one TEEN CERT class and three CERT classes were completed.

Fire Inspections and Investigations-

- 1) All building and occupancy annual inspections were completed for FY 2012.
- 2) Paperless system: Annual Inspection results are now delivered via emails.
- 3) Virtual Office: Inspectors work throughout the day using their computer tablets that are set up as a virtual office therefore working more efficiently and effectively.
- 4) Digital photography for fire investigations: We went from 35 mm cameras, and unnecessary printing and purchasing of film to using digital cameras and retaining photos in a protected harddrive and a disk, saving costs on film and printing.

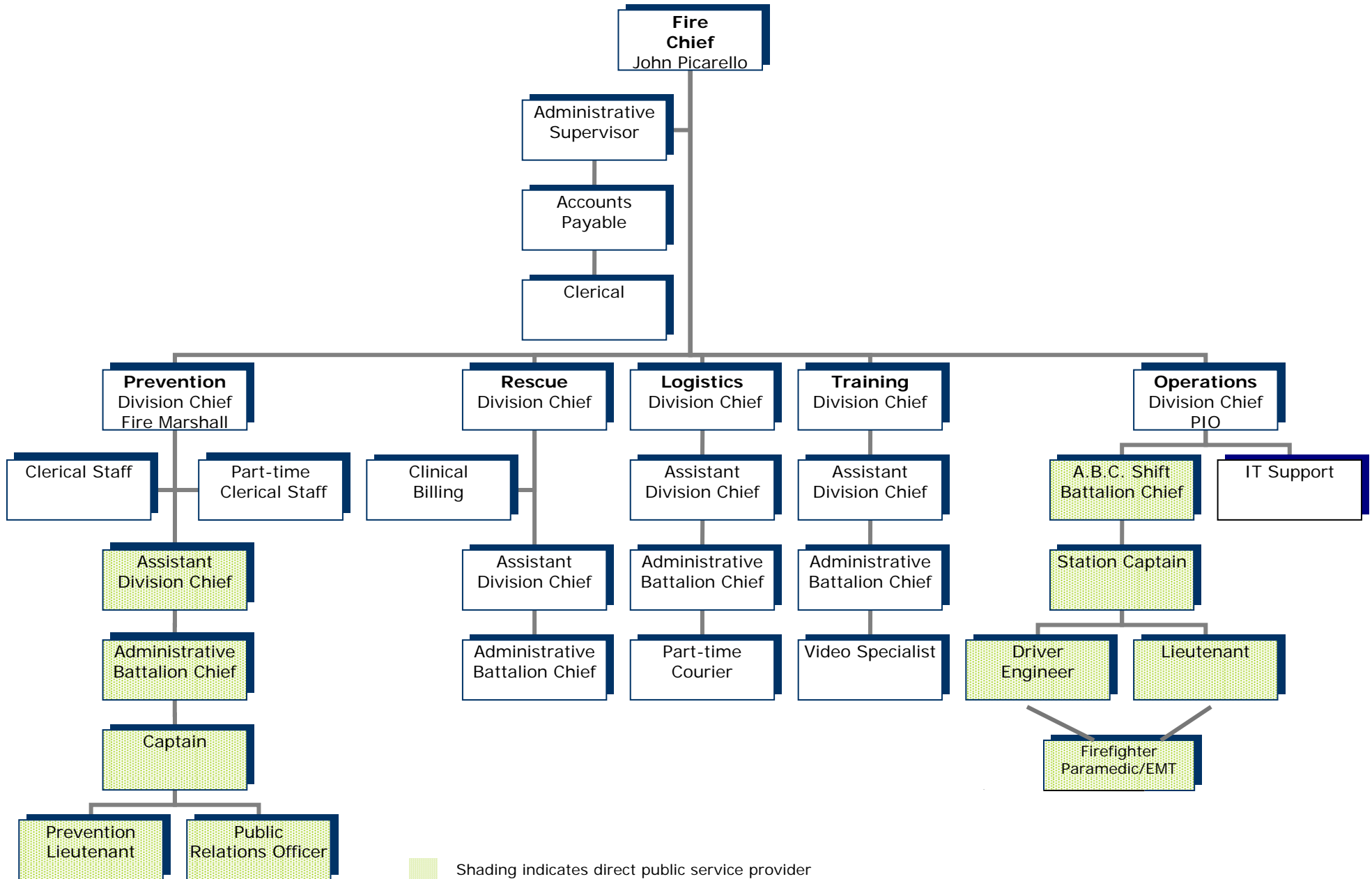
## Fire Control - Ambulance Rescue Performance Measures

Indicator	2010-11		2011-12		2012-13	2013-14
	Actual	Goal	Actual	Goal	Goal	Goal
<b>Outputs</b>						
Medical transports	10,636	*	10,725	11,500	11,300	11,000
Number of public CPR education participants	704	550	907	600	1,000	1,000
Pre-fire plans completed annually	1,707	*	2,545	*	*	2,600
Calls for service per 1,000 residents	7.08	*	7.03	*	*	6.9
Annual inspections completed	9,963	*	10,383	*	*	10,500
Motor Vehicle Accident responses	1,379	*	1,305	*	*	1,100
Emergency Medical Responses	18,190	*	18,847	*	*	18,500
Structure Fires	55	*	58	*	*	48
<b>Effectiveness</b>						
Number of public participants in safety education (non-CPR) classes	14,375	25,000	17,911	16,000	16,000	18,000
Return of Spontaneous Circulation (ROSC)-reviving a stopped heart	32	*	33	*	*	45
# of unsolicited public appreciation letters	30	*	39	*	*	50
% of property saved vs. risk from structure fires	99.7%	*	99.3%	*	*	99.5%
<b>Efficiency</b>						
Average unit response time from en route to arrival (in minutes)	3.4	<4.0	3.4	<3.5	<3.5	<3.5
% of unit response time less than 6 minutes	92%	>90%	93%	>92%	>92%	>93%

\* New measure - goal unavailable.

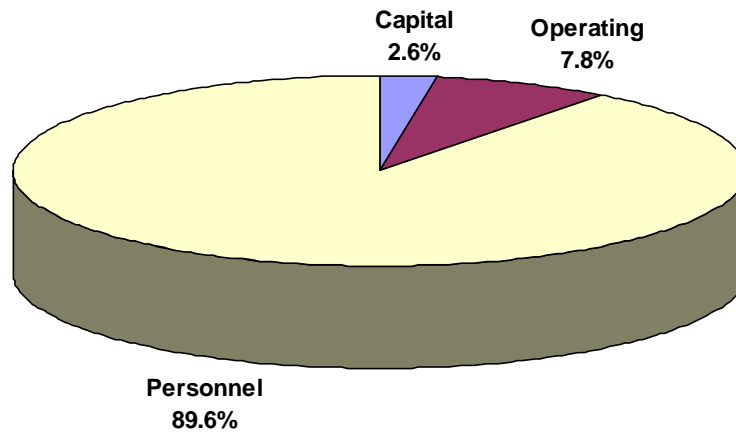
# FIRE CONTROL – AMBULANCE RESCUE

## Organizational Chart





## Fire Control - Ambulance Rescue - Budget Summary



Expenditure Category	2010-11 Actual	2011-12 Actual	2012-13 Budget	2013-14 Budget
Personnel				
Salary	20,424,473	21,202,264	21,161,319	19,378,044
Benefits	21,233,700	19,684,213	21,864,730	21,588,775
<b>Personnel Subtotal</b>	<b>41,658,172</b>	<b>40,886,477</b>	<b>43,026,049</b>	<b>40,966,819</b>
Operating				
Professional Services	217,161	132,984	181,616	161,375
Other Contractual Services	141,152	122,532	194,095	265,291
Travel Per Diem	39,140	3,161	52,859	1,800
Communication and Freight Services	175,587	202,133	245,341	190,300
Utility Services	183,860	182,176	198,575	183,400
Rentals and Leases	695,546	832,868	746,704	743,441
Repair and Maintenance Services	652,927	785,750	722,143	717,832
Printing and Binding	3,678	3,896	5,300	4,800
Promotional Activities	6,058	8,170	6,500	6,500
Other Current Charges and Obligation	614,564	746,234	509,485	526,660
Office Supplies	21,212	17,558	20,669	20,369
Operating Supplies	503,522	700,376	708,021	749,992
Publications and Memberships	925	707	1,400	1,135
<b>Operating Subtotal</b>	<b>3,255,332</b>	<b>3,738,546</b>	<b>3,592,708</b>	<b>3,572,895</b>
Capital				
Buildings	-	23,148	357,000	3,000
Improvements Other Than Buildings	-	-	-	90,000
Machinery and Equipment	553,962	100,786	119,330	1,086,400
<b>Capital Subtotal</b>	<b>553,962</b>	<b>123,934</b>	<b>476,330</b>	<b>1,179,400</b>
<b>Total</b>	<b>45,467,466</b>	<b>44,748,957</b>	<b>47,095,087</b>	<b>45,719,114</b>

### Fire Control - Ambulance Rescue - Personnel Summary

Position Title	2010-11 Actual	2011-12 Actual	2012-13 Adopted Budget	2013-14 Budget
12010 Insurance Clerk	1	1	1	1
12099 Battalion Chief - PM	9	9	9	9
12109 Administrative Supervisor	1	1	1	-
12172 Assistant Division Chief	4	4	4	4
12282 Micro Computer Specialist I	1	1	1	1
12528 Administrative Assistant II	1	1	1	1
12575 Rescue Lieutenant	28	27	27	27
12607 Captain - P/M	37	38	38	38
12651 Programmer Analyst II	1	1	1	1
12679 Clerical Spec I	1	1	1	1
12684 Clerical Spec II	1	1	1	1
12685 Clerical Aide	1	1	1	1
12694 Chief Director Pub. Safe. Com.	1	1	1	-
12788 Division Chief	5	5	5	5
12814 Dispatch Supervisor	5	5	5	-
12815 Public Safety Dispatcher	29	29	29	-
12816 Public Safety Admin Support Dispatch	1	1	1	-
12835 Driver/Engineer	13	13	13	13
12836 Driver Engineer - P/M	27	27	27	27
12912 Fire Inspector/PM	3	3	3	3
12915 Firefighter/EMT	30	27	22	19
12918 Firefighter/PM	63	66	62	60
12925 Fire Inspector	1	1	1	1
12934 Administrative Battalion Chief	3	3	3	3
12936 Fire Prevent Adm Battalion Chief	1	1	1	1
13003 Fire Chief	1	1	1	1
13004 Asst Public Safety Comm Chief	-	-	1	-
13474 P/T Courier/Custodian	1	1	1	1
13681 P/T Clerk Spec II	2	2	2	2
Total				
Full-time	269	269	261	218
Part-time	3	3	3	3