



# **Atlanta Fire Rescue Department QUARTERLY REPORT**

PRESENTATION TO CITY COUNCIL  
Committee on Public Safety and Legal Administration

**Fire Chief Joel G. Baker**

September 26, 2017

# City of Atlanta

## Mayor's Priorities

- A Safe City
- A Financially Strong City
- A Caring City
- A World-Class City
- A Leading City



## Atlanta Fire Rescue Department (AFRD) Priorities

- Human Resources
- Professional Development
- Emergency Preparedness and Response
- Facilities, Equipment, Supplies & Technology
- Customer Service Programs
- Public Information, Education & Relations (PIER)



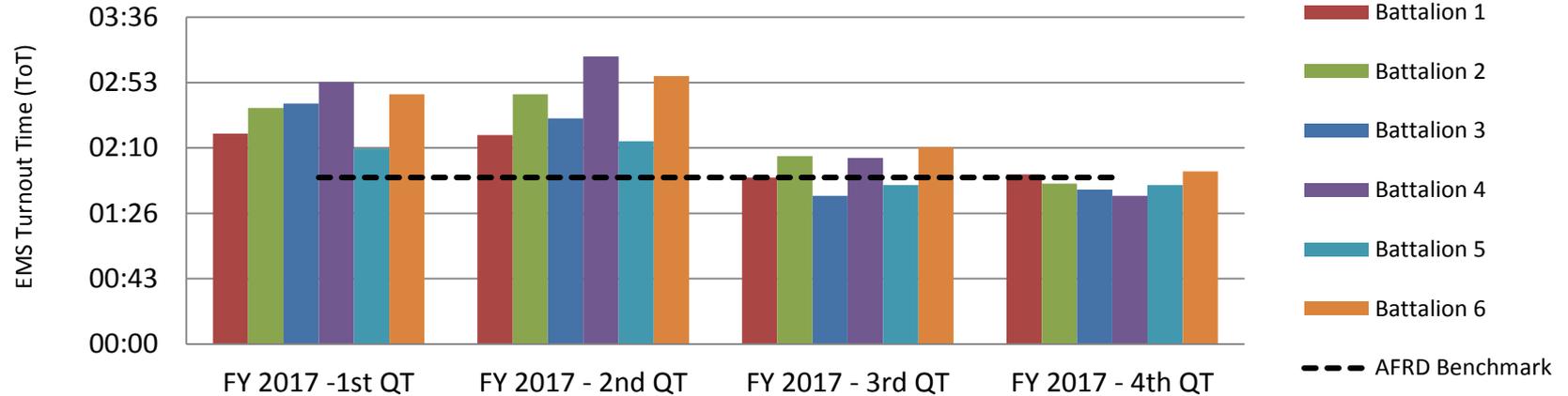
# AGENDA

- Emergency Preparedness and Response
- Human Resources
- Facilities, Equipment, Supplies & Technology
- FY 2017 – FY 2018 AFRD Initiatives
- Questions



# Emergency Preparedness and Response

## EMS Turnout Time (ToT)



EMS	FY 2017-Q1	FY 2017-Q2	FY 2017-Q3	FY 2017-Q4
% Met AFRD Benchmark	<b>70%</b>	<b>71%</b>	<b>89%</b>	<b>87%</b>
1 <sup>st</sup> Due - 90th Percentile (Citywide)	02:33	02:39	01:50	01:46
Battalion 1	02:19	02:18	01:50	01:52
Battalion 2	02:36	02:45	02:04	01:46
Battalion 3	02:39	02:29	01:38	01:42
Battalion 4	02:53	03:10	02:03	01:38
Battalion 5	02:09	02:14	01:45	01:45
Battalion 6	02:45	02:57	02:10	01:54

Source: AFRStat Presentations



# Emergency Preparedness and Response

2012 – 2016

National Out-of-Hospital Cardiac Survival Rate

10.8%

[http://cpr.heart.org/AHA/ECC/CPRAandECC/General/UCM\\_477263\\_Cardiac-Arrest-Statistics.jsp](http://cpr.heart.org/AHA/ECC/CPRAandECC/General/UCM_477263_Cardiac-Arrest-Statistics.jsp)

December 2011 – February 2017

AFRD Out-of-Hospital Cardiac Survival Rates

Field Operations (City)

**37.9%**

	Cardiac Arrests	*ROSC
2014	408	260
2015	405	150
2016	506	123
2017 (Jan 1-Sept.20)	355	101
<b>TOTAL</b>	<b>1,674</b>	<b>634</b>

Airport Operations

**37.6%**

	Cardiac Arrests	*ROSC
2014	26	8
2015	20	7
2016	27	11
2017 (Jan 1-Sept.20)	12	6
<b>TOTAL</b>	<b>85</b>	<b>32</b>

\*Return of Spontaneous Circulation (ROSC)

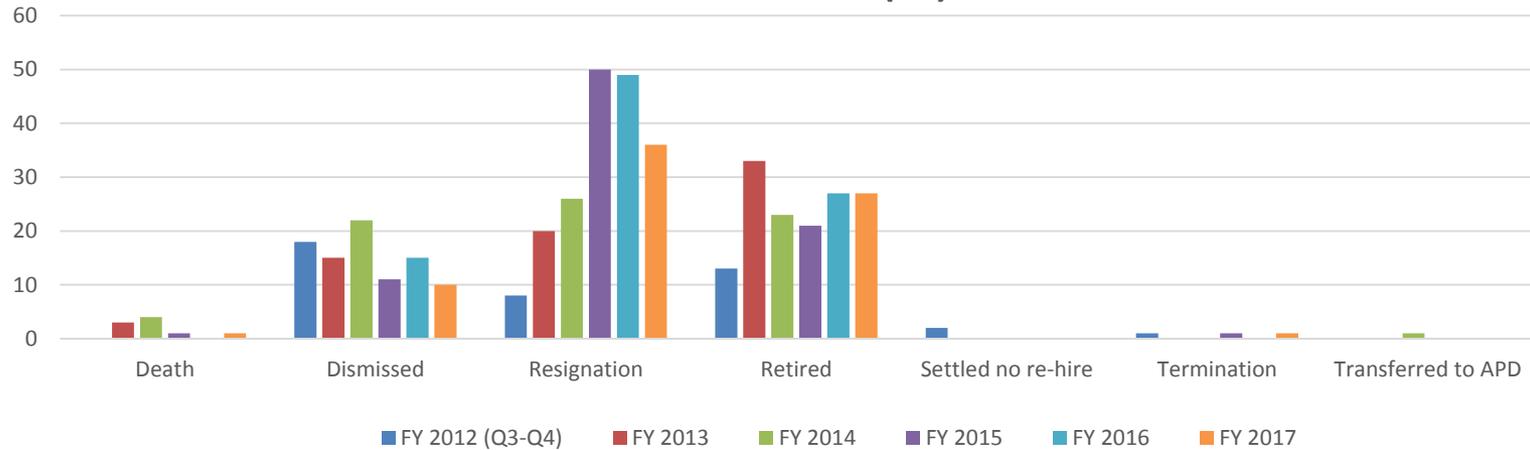


# Human Resources: Attrition

## Total Attrition

	Death	Dismissed	Resignation	Retired	Settled no re-hire	Termination	Transferred to APD	TOTAL
FY 2012 (Q3-Q4)		18	8	13	2	1		42
FY 2013	3	15	20	33				71
FY 2014	4	22	26	23			1	76
FY 2015	1	11	50	21		1		84
FY 2016		15	49	27				91
FY 2017	1	10	36	27		1		75
<b>TOTAL</b>	<b>9</b>	<b>91</b>	<b>189</b>	<b>144</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>439</b>

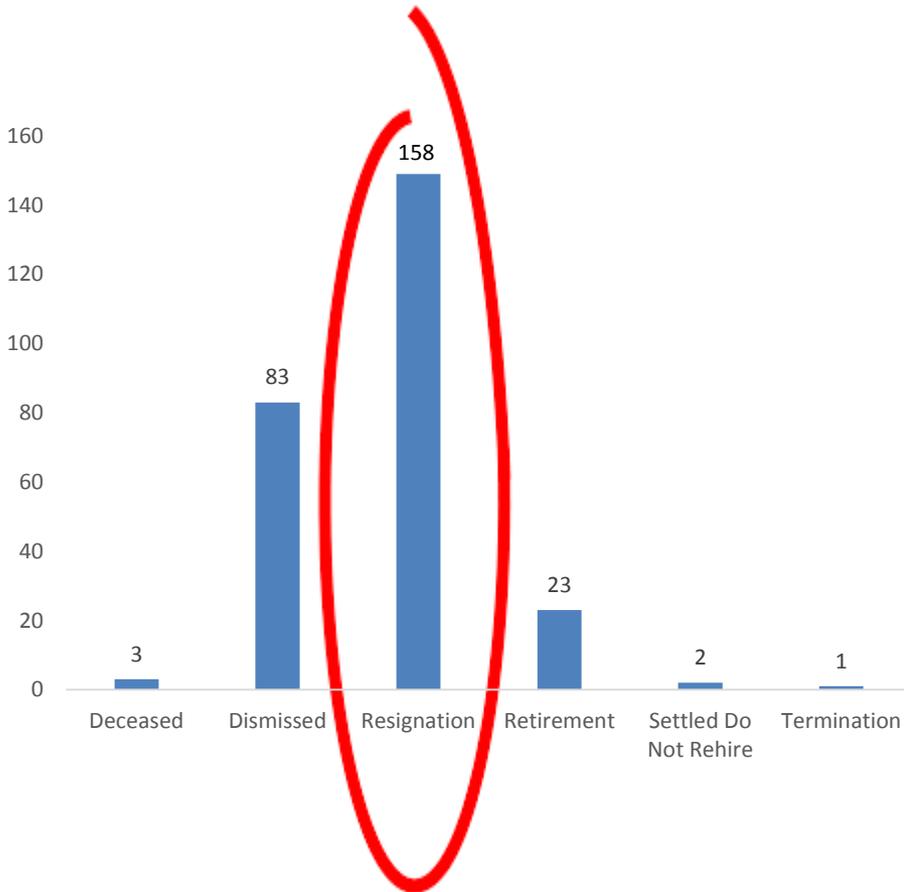
## Total Attrition (FY)



# Human Resources: Attrition

## Firefighter Attrition

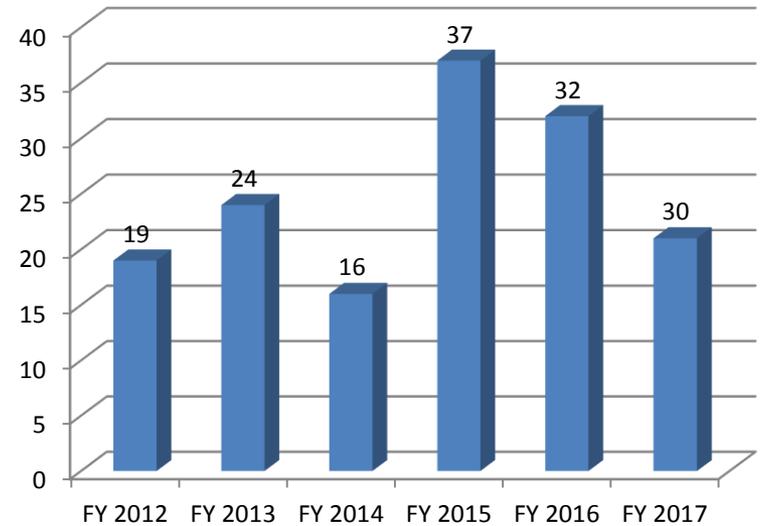
FY 2012 (Jan) - FY 2017



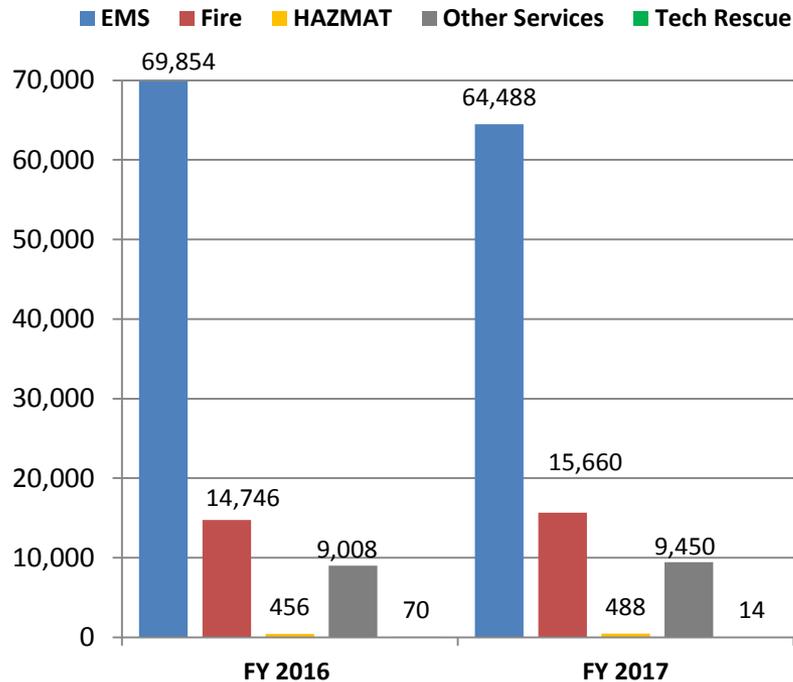
## Firefighter Resignations

Years	Firefighter Resignations
FY 2012	19
FY 2013	24
FY 2014	16
FY 2015	37
FY 2016	32
FY 2017	30
<b>TOTAL</b>	<b>158</b>

## Firefighter Resignations



# Emergency Preparedness and Response



Total Calls for Service									
	FY16-Q1	FY16-Q2	FY16-Q3	FY16-Q4	FY17-Q1	FY17-Q2	FY17-Q3	FY17-Q4	Q.Trend
Downtown	24,084	23,655	22,304	24,091	24,844	22,112	20,443	22,701	
Airport	2,274	2,204	2,046	2,459	2,527	2,268	2,257	2,551	
Total	26,358	25,859	24,350	26,550	27,371	24,380	22,700	25,252	

	FY16	FY17	% Change
Downtown	94,134	90,100	-4.3%
Airport	8,983	9,603	6.9%
Total	103,117	99,703	-3.3%

Comparing Periods	EMS	Fire	HAZMAT	Other Services	Tech Rescue	Total
FY 2016	69,854	14,746	456	9,008	70	94,134
FY 2017	64,488	15,660	488	9,450	14	90,100
Percent(%) Change	-8%	6%	7%	5%	-80%	-4%



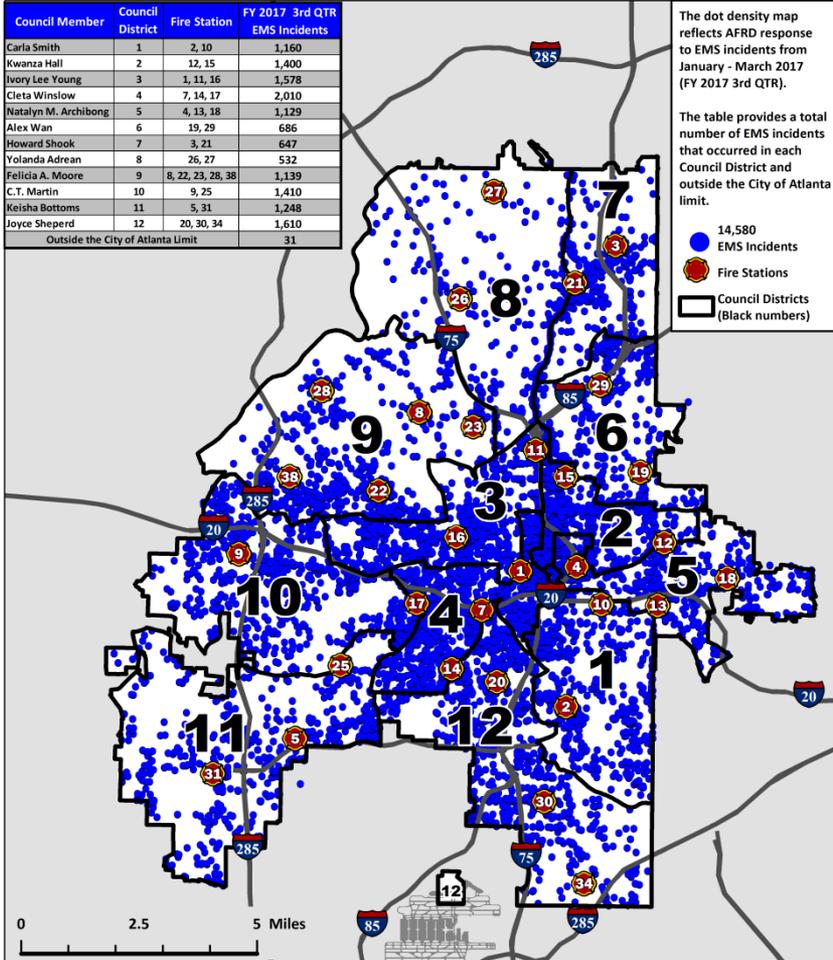
# Emergency Preparedness and Response



## FY 2017 3rd QTR (January - March 2017) EMS Incidents - Council Districts



Council Member	Council District	Fire Station	FY 2017 3rd QTR EMS Incidents
Carla Smith	1	2, 10	1,160
Kwanza Hall	2	12, 15	1,400
Ivory Lee Young	3	1, 11, 16	1,578
Cleta Winslow	4	7, 14, 17	2,010
Natalyn M. Archibong	5	4, 13, 18	1,129
Alex Wan	6	19, 29	686
Howard Shook	7	3, 21	647
Yolanda Adrean	8	26, 27	532
Felicia A. Moore	9	8, 22, 23, 28, 38	1,139
C.T. Martin	10	9, 25	1,410
Keisha Bottoms	11	5, 31	1,248
Joyce Sheperd	12	20, 30, 34	1,610
Outside the City of Atlanta Limit			31



THIS MAP IS FOR PUBLIC USAGE. Purpose: To geographically display Fire and EMS incidents FY17 - 3rd QTR by Council Districts. The following is a list of data sources for map production: Environmental Systems Research Institute, ArcGIS, Version 10.4, Redlands, CA (Server); City of Atlanta Department of Planning & Community Development (City Limits, Neighborhood Planning Units, Council Districts); Atlanta Fire Rescue Department Assessment & Planning Section, Atlanta, GA (Fire Stations, Fire & EMS Incidents FY2017 - 3rd QTR)

Map Scale: 1:135,000  
Date created: 20 Apr 2017

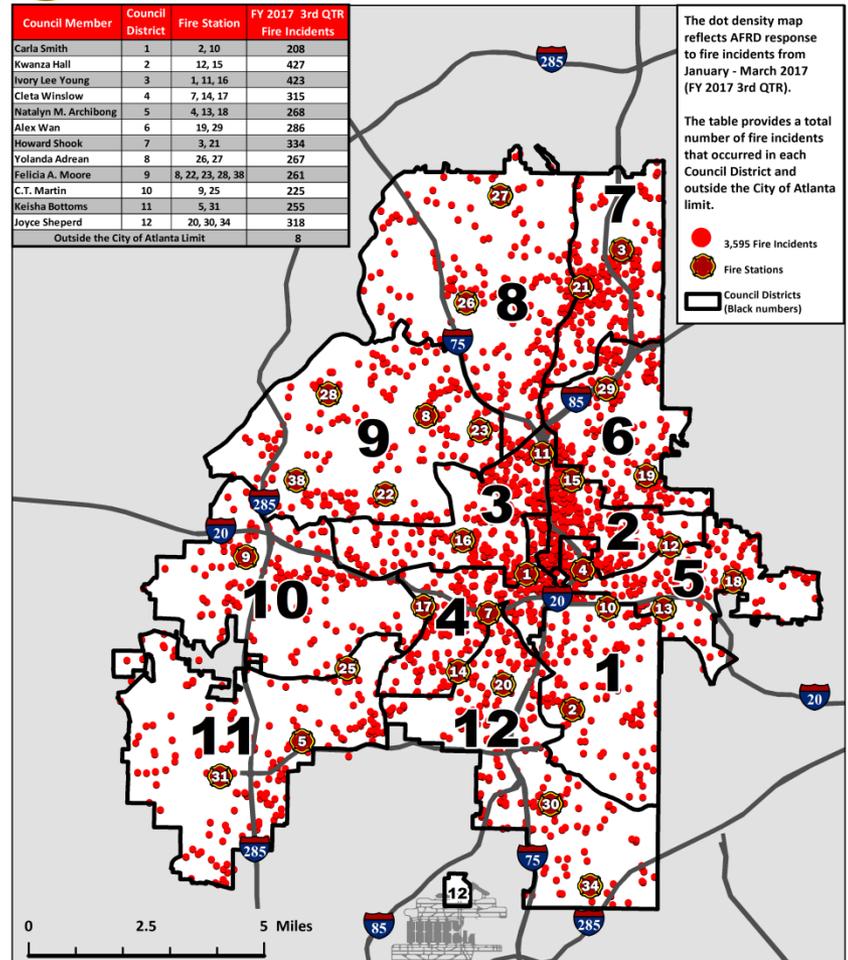
Elvyn N. Henderson | GIS Technician Sr  
Atlanta Fire Rescue Department  
Fire Chief's Office | Support Services  
Assessment & Planning Section



## FY 2017 3rd QTR (January - March 2017) Fire Incidents - Council Districts



Council Member	Council District	Fire Station	FY 2017 3rd QTR Fire Incidents
Carla Smith	1	2, 10	208
Kwanza Hall	2	12, 15	427
Ivory Lee Young	3	1, 11, 16	423
Cleta Winslow	4	7, 14, 17	315
Natalyn M. Archibong	5	4, 13, 18	268
Alex Wan	6	19, 29	286
Howard Shook	7	3, 21	334
Yolanda Adrean	8	26, 27	267
Felicia A. Moore	9	8, 22, 23, 28, 38	261
C.T. Martin	10	9, 25	225
Keisha Bottoms	11	5, 31	255
Joyce Sheperd	12	20, 30, 34	318
Outside the City of Atlanta Limit			8



THIS MAP IS FOR PUBLIC USAGE. Purpose: To geographically display Fire and EMS incidents FY17 - 3rd QTR by Council Districts. The following is a list of data sources for map production: Environmental Systems Research Institute, ArcGIS, Version 10.4, Redlands, CA (Server); City of Atlanta Department of Planning & Community Development (City Limits, Neighborhood Planning Units, Council Districts); Atlanta Fire Rescue Department Assessment & Planning Section, Atlanta, GA (Fire Stations, Fire & EMS Incidents FY2017 - 3rd QTR)

Map Scale: 1:135,000  
Date created: 20 Apr 2017

Elvyn N. Henderson | GIS Technician Sr  
Atlanta Fire Rescue Department  
Fire Chief's Office | Support Services  
Assessment & Planning Section



# Emergency Preparedness and Response



## FY 2017 4th QTR (April - June 2017) EMS Incidents - Council Districts

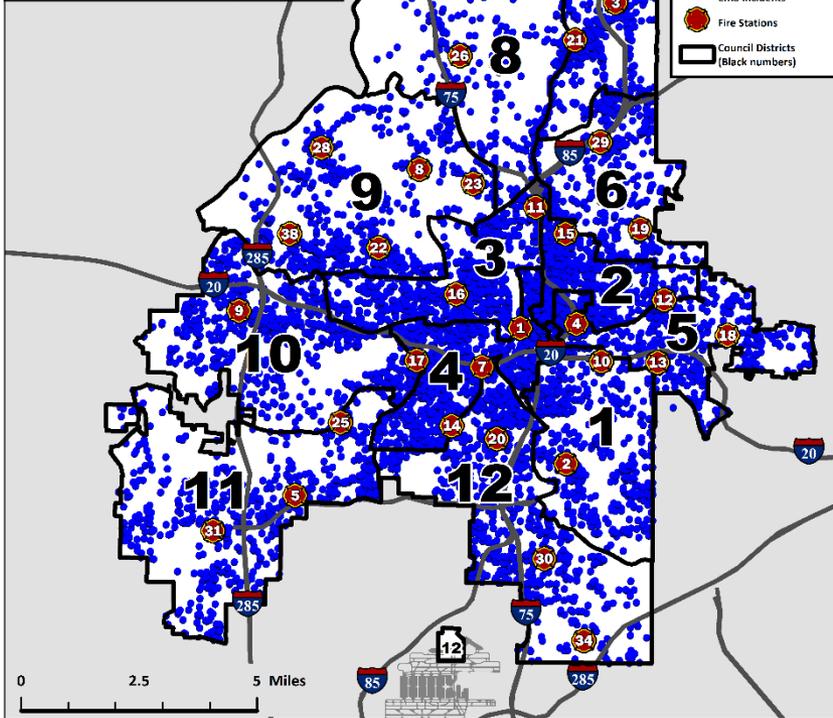


Council Member	Council District	Fire Station	FY 2017 4th QTR EMS Incidents
Carla Smith	1	2, 10	1,242
Kwanza Hall	2	12, 15	1,452
Ivory Lee Young	3	1, 11, 16	1,703
Cleta Winslow	4	7, 14, 17	2,152
Natalyn M. Archibong	5	4, 13, 18	1,278
Alex Wan	6	19, 29	822
Howard Shook	7	3, 21	684
Yolanda Adrean	8	26, 27	638
Felicia A. Moore	9	8, 22, 23, 28, 38	1,194
C.T. Martin	10	9, 25	1,399
Keisha Bottoms	11	5, 31	1,372
Joyce Sheperd	12	20, 30, 34	1,860
Outside the City of Atlanta Limit			17

The dot density map reflects AFRD response to EMS incidents from April - June 2017 (FY 2017 4th QTR).

The table provides a total number of fire incidents that occurred in each Council District and outside the City of Atlanta limit.

- 15,813 EMS Incidents
- Fire Stations
- Council Districts (Black numbers)



Map Scale: 1:135,000  
Date created: 25 Sep 2017



## FY 2017 4th QTR (April - June 2017) Fire Incidents - Council Districts

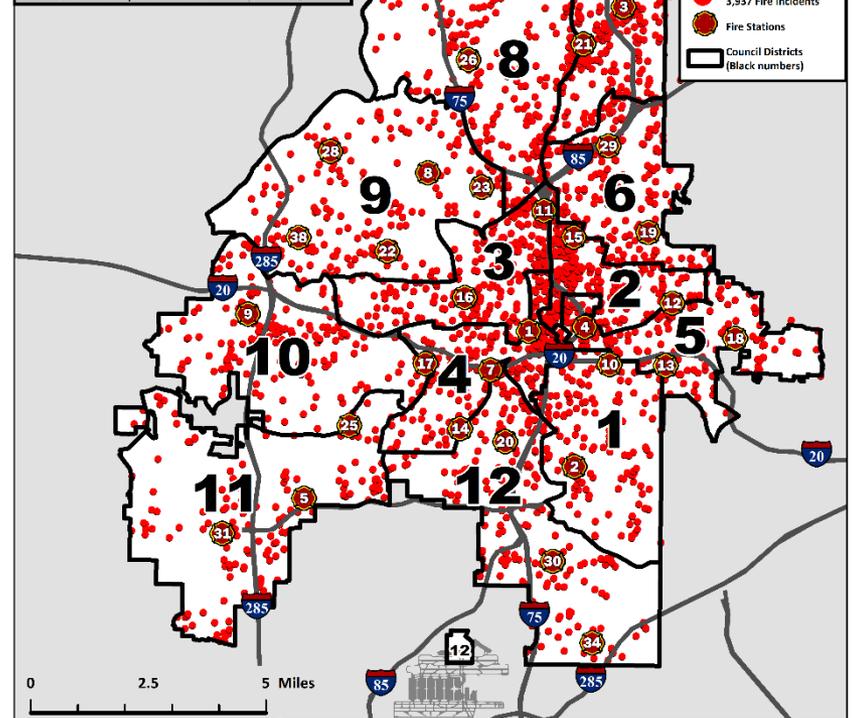


Council Member	Council District	Fire Station	FY 2017 4th QTR Fire Incidents
Carla Smith	1	2, 10	223
Kwanza Hall	2	12, 15	455
Ivory Lee Young	3	1, 11, 16	455
Cleta Winslow	4	7, 14, 17	354
Natalyn M. Archibong	5	4, 13, 18	284
Alex Wan	6	19, 29	305
Howard Shook	7	3, 21	366
Yolanda Adrean	8	26, 27	362
Felicia A. Moore	9	8, 22, 23, 28, 38	260
C.T. Martin	10	9, 25	292
Keisha Bottoms	11	5, 31	232
Joyce Sheperd	12	20, 30, 34	341
Outside the City of Atlanta Limit			8

The dot density map reflects AFRD response to fire incidents from April - June 2017 (FY 2017 4th QTR).

The table provides a total number of fire incidents that occurred in each Council District and outside the City of Atlanta limit.

- 3,937 Fire Incidents
- Fire Stations
- Council Districts (Black numbers)



Map Scale: 1:135,000  
Date created: 25 Sep 2017



# Emergency Preparedness and Response

## *DriveCam Program*

- Poor driving behaviors were reduced by 45%
- Coachable events were reduced by 48%
- Traffic violations were reduced by 48%
- Cell phone usage by non-emergency drivers were reduced by 63%
- Following too close violations were reduced by 40%



# Emergency Preparedness and Response

## DriveCam Program

Atlanta Fire & Rescue	March FY17 Phase 3 Program							% change from March FY17
		17-Jan	17-Feb	17-Mar	17-Apr	17-May	17-Jun	
Coachable events	65	39	35	65	46	28	34	-48%
Events coached	55	34	33	55	43	33	30	-45%
Overdue for downloading (1)	0	0	0	0	1	0	1	-
Camera obstruction	2	1	1	2	0	0	0	-100%
Traffic violations (2)	27	17	13	27	21	6	14	-48%
Possible collisions (3)	0	0	0	0	0	0	0	-
Near collisions	2	2	2	2	4	3	4	100%
Behaviors	4							
Unbelted (driver)	3	1	3	3	2	1	4	33%
Unbelted (passenger)	4	0	0	4	1	0	0	-100%
Cell phone	8	0	6	8	4	2	3	-63%
Following too close	15	10	8	15	14	12	9	-40%
Not looking far ahead	1	0	0	1	1	0	1	0%
Other distractions	0	3	0	0	0	0	0	-

1 No transmission in 3 days e.g. vehicle not in use; tampering etc. 2 Stop sign, red light, rolling stop, speeding, reckless/aggressive driving. 3 Video needs to be assessed for final determination



# Emergency Preparedness and Response

## Fire Inspections

### General Fund - Cost Recovery

	FY17-Q1	FY17-Q2	FY17-Q3	FY17-Q4
Fire Inspections	\$ 294,480	\$234,906	\$289,607	\$246,832
Plan Reviews	\$ 5,524	\$2,535	\$3,339	\$1,946
<b>TOTAL</b>	<b>\$ 300,004</b>	<b>\$237,441</b>	<b>\$292,946</b>	<b>\$248,778</b>

### Enterprise Fund - Cost Recovery

	FY17-Q1	FY17-Q2	FY17-Q3	FY17-Q4
Fire Inspections	\$ 13,930	\$13,079	\$13,313	\$20,168
<b>TOTAL</b>	<b>\$ 13,930</b>	<b>\$13,079</b>	<b>\$13,313</b>	<b>\$20,168</b>



# Facilities, Equipment, Supplies & Technology

## Fleet

Apparatus (Heavy Fleet)	Total in Fleet	Replaced Fleet
Command Vehicles	9	7 1 – replaced in FY17-Q2
Engines	37	20
Ladder Trucks	20	10 2 – replaced in FY17-Q2
Heavy Rescue	2	1
Air Unit	2	1
Foam Unit	1	1



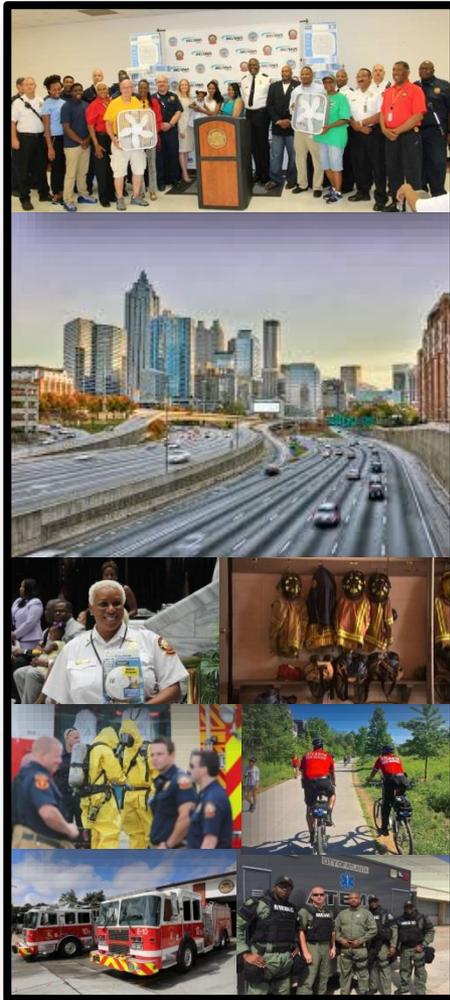
**57%** of total emergency response fleet has been replaced over the last 8 years. Next replacements were identified during FY17-Q4. The next series of AFRD fleet purchases started in FY18-Q1.



# FY 2017 – 2018 Initiatives

## Office of Sustainability & 100 Resilient Cities

*Dependent Care Initiative*



Equity

✓ Workforce Development

**STRATEGIES FOR RESILIENCE:**  
Dependent Care and work-life benefits directly support more women and diversity in the workplace, increases in employee productivity, and reductions in employee absences (related to childcare).

Housing & Homelessness



# FY 2017 – 2018 Initiatives

## *Dependent Care Initiative*

## How would you care for your children if you worked 24 hour-shifts?

**The AFRD Dependent Care Initiative is supported by the Mayor's Office of Sustainability.**



### **Childcare Benefits**

- Internal AFRD Employee Survey
  - 229 of 332 respondents have dependent children living with them
  - 25% of respondents have considered changing employment due to childcare challenges
  - Respondents indicated professional development, working extra hours, and participation in events/projects as greatly impacted by childcare challenges
  - Sworn (24-hour) members present unique challenges
- Supported through 100 Resilient Cities initiative and to include firefighters and other City public safety personnel
- Bureau of Labor Statistics and U.S. Census studies cite childcare being amongst biggest challenges for employment nationally

### **Future Opportunities: Eldercare Benefits**

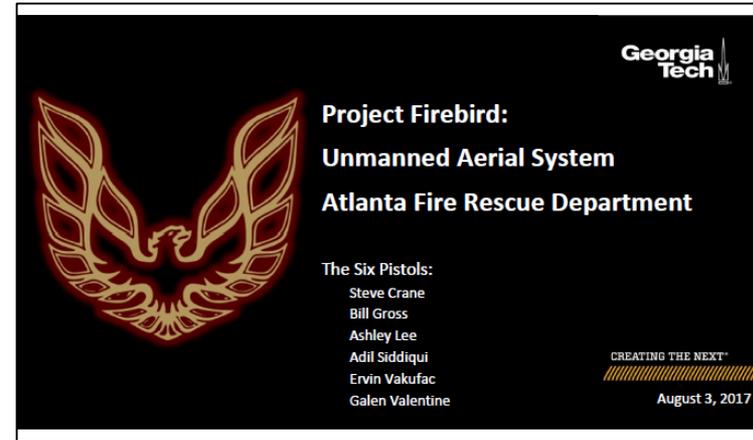
- Possible benefits expansion/solutions for caregivers of older dependents



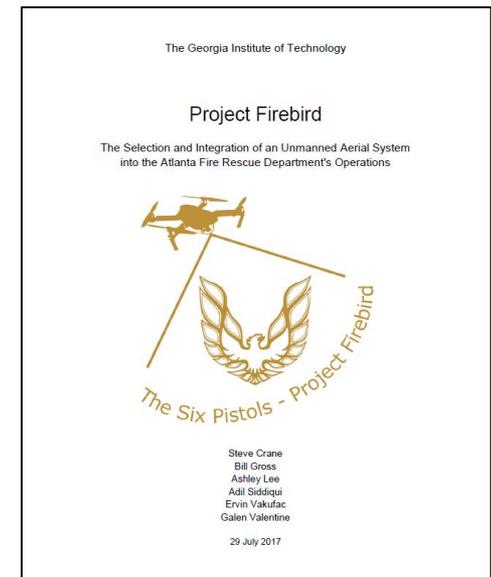
# FY 2017 – 2018 Initiatives

## UAV Program

- **AFRD / GA Tech partnership resulted in completion of Project Firebird in August 2017**
- Project Firebird is a feasibility and capability study guided by AFRD and GA Tech advisors
- Outlines specific recommendations for UAV hardware and features, staffing models for operation, and maintenance based on performance requirements
- Recognized as unique and awarded top prize by International Society of System Engineers
- Prize has been intended to further support AFRD UAV Program Development and Implementation through donation to Atlanta Fire Rescue Foundation
- **Next Steps:**
  - AFRD Working Group for policy development and staffing needs
  - Coordination with COA Law Department on FAA application and compliance
  - UAV procurement
  - Demo for key stakeholders (October 2017)



Source: Project Firebird presentation at GA Tech, August 2017.



Source: Project Firebird white paper (130 pages), July 2017.



# Questions?

