



## PALM BAY FIRE RESCUE

### MONTHLY DATA REPORT

# NOVEMBER

The fire department tracks calls that occur simultaneously and calls that occur concurrently.

**Simultaneous calls** are categorized as multiple (more than one) calls that occur in a station's response zone requiring another unit from another response zone to handle the other emergency.

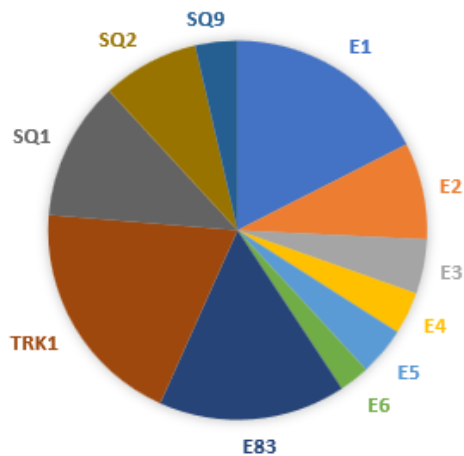
**Concurrent calls** are categorized as calls that occur in two (2) separate station response zones, simultaneously, which create a larger area unprotected until both units are cleared from their respective emergencies.

#### November Stats

On Average, 18% of the month, Palm Bay Fire Rescue units are on simultaneous calls

On Average, 10% of the month, Palm Bay Fire Rescue units are unavailable due to being committed on a call for service.

#### MONTHLY SIMULTANEOUS AVERAGES



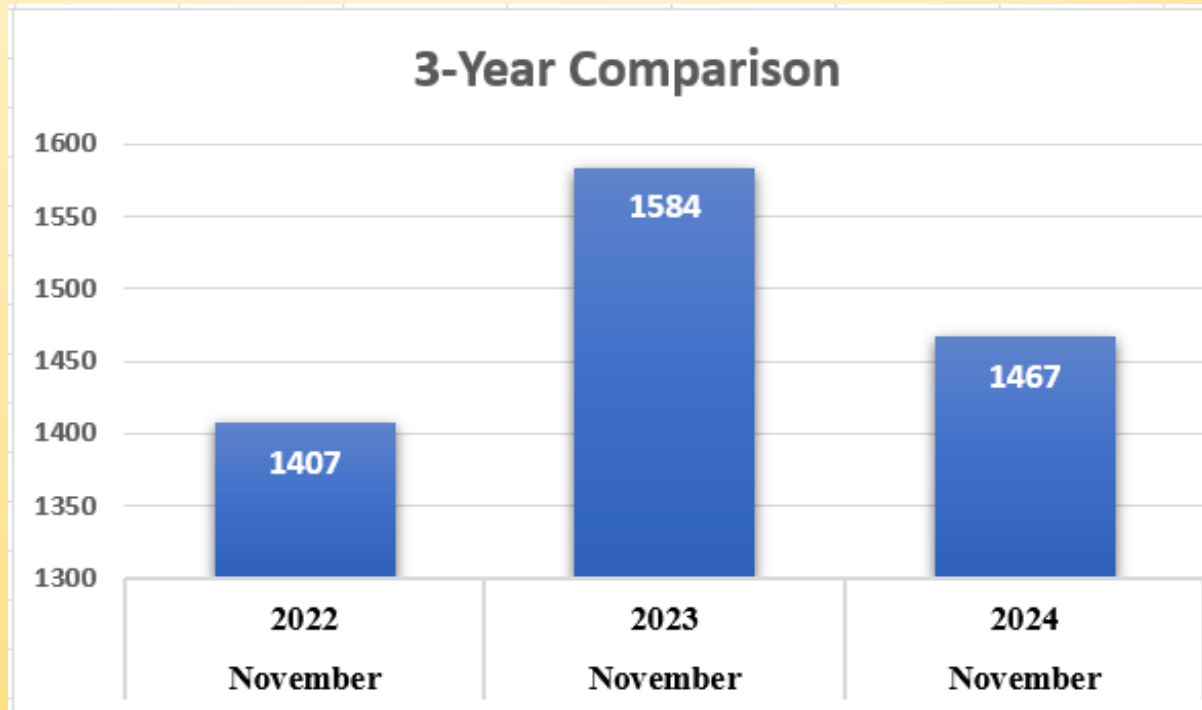
The chart to the left shows a monthly average of units on simultaneous calls.

#### Monthly Concurrent Call data: (Averages)

134 Concurrent Calls this Month  
4.5 Concurrent Calls a Day  
9% of Monthly Call Volume are Concurrent Calls

### Response Comparison from the Past 3-Years

November– Emergency Incidents	2022	2023	2024
Fire – Structure/Vehicle	8	8	9
Fire - Brush	16	15	9
EMS Calls	937	996	912
Hazardous Conditions	26	16	15
Service Call	184	230	183
Good Intent Call	171	232	243
Fire Alarm & False Alarm	63	72	87
Dispatch Error Calls	2	15	9
<b>Total</b>	<b>1407</b>	<b>1584</b>	<b>1467</b>

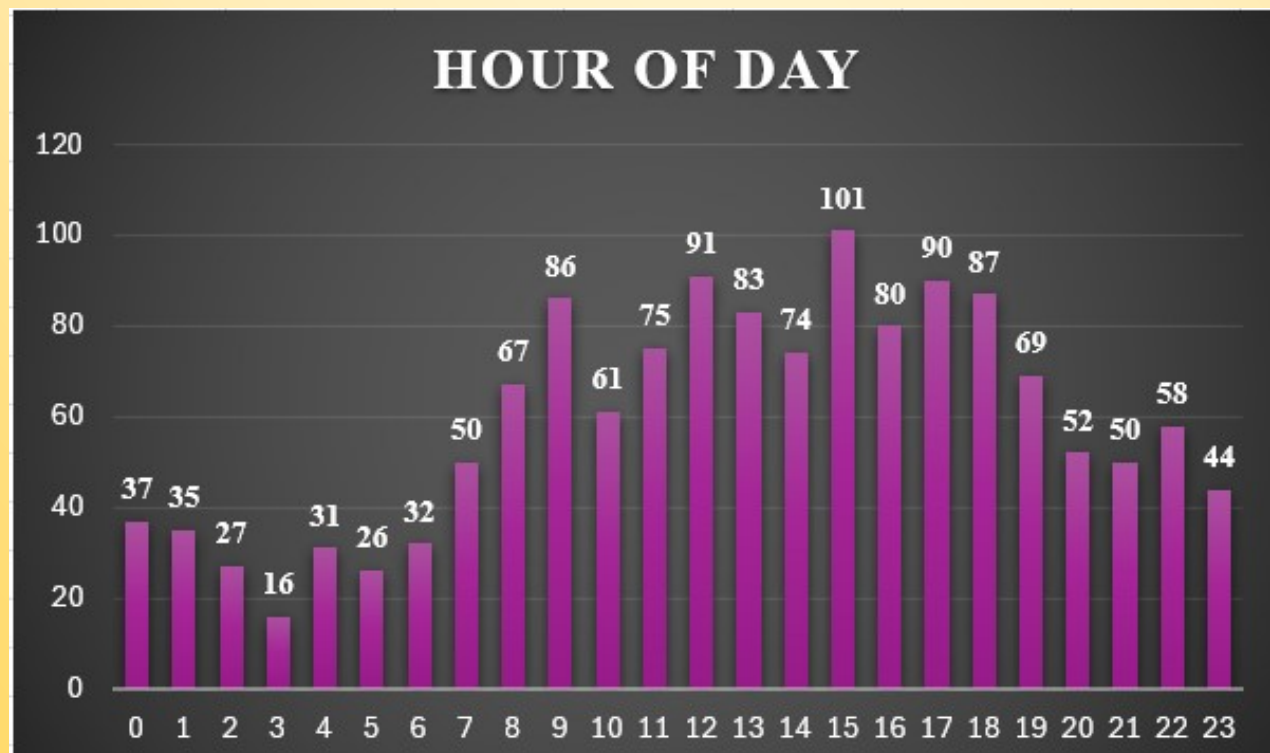
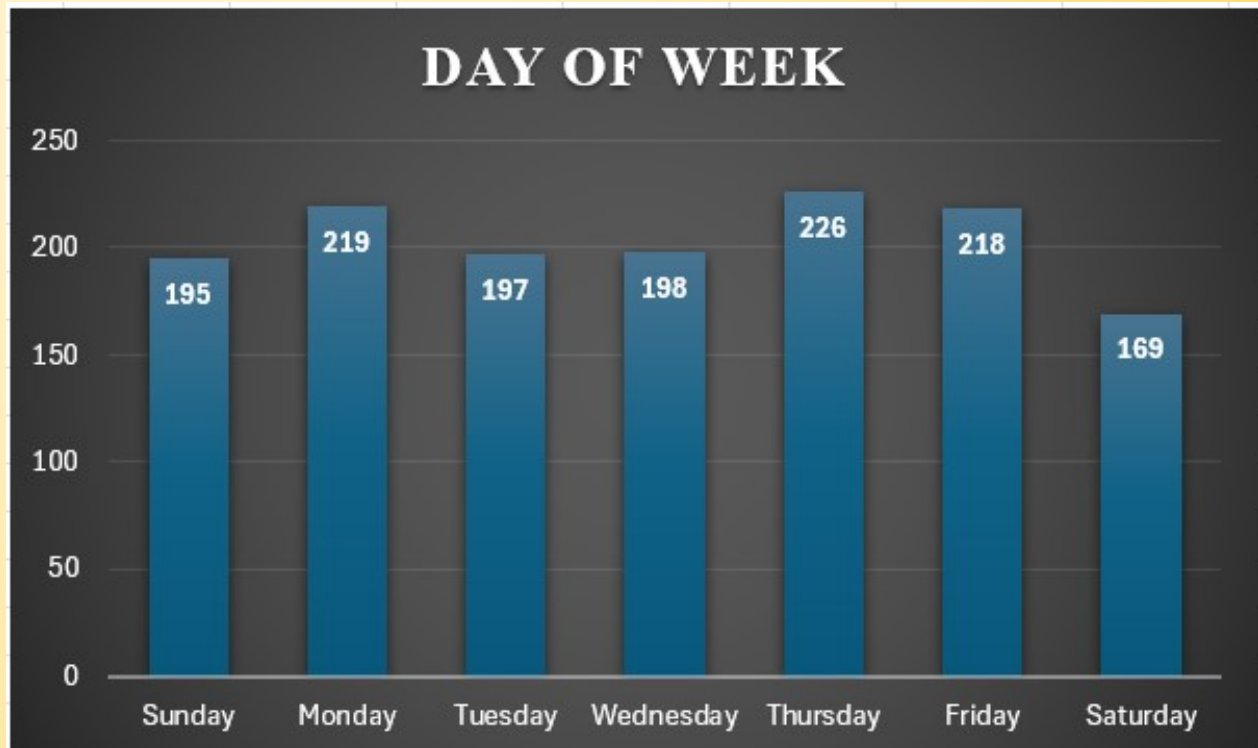


There has been a **7%** decrease in call volume from last year this time (comparing November 2023 calls to November 2024 calls).

### Day of the Week/Hour of the Day

This section of the report shows the monthly call volume for the days of the week and the hours of the day. This data shows patterns in the calls for service throughout the week. Operational personnel can see from this information the day of the week with the most calls and what hour of the day that most calls occur.

From this months data: **Most calls occurred on Thursdays and at 1500 hours (3 PM)**



## Unit Response Information

### Unit Turnout Time

11-01-2024 to 11-30-2024	Turnout Time Minutes/ Seconds
Apparatus Name	
E1	1:30
E2	1:27
E3	1:19
E4	1:37
E5	1:24
E6	1:42
S1	1:32
S2	1:34
S9	:30
TRK1	1:23

### Unit Response Time

11-01-2024 to 11-30-2024	Response Time Minutes/Seconds
Apparatus Name	
E1	5:43
E2	5:10
E3	5:42
E4	6:02
E5	6:16
E6	5:51
S1	5:35
S2	5:01
S9	6:42
TRK1	6:07

- National Standard is 60 seconds (1-minute) for EMS and 80 seconds (1-minute 20 seconds) for Fire.
- National Standard is 240 seconds (4-minutes). This equates to a Total Response time of 5-minutes for EMS and 5-minutes and 20-seconds for a Fire.
- Longer response times from E4 and E5 are reflective of the long distances for I95 incidents

Turnout Times (Averages): **1:26** – Travel Times (Averages): **5:39** = **7:05 Total Response Time**

### Total Minutes/Hours on Calls per Month

Average on Scene Times (mm:ss) — **23:48**

### Responses by Apparatus

E1	182
E2	130
E3	197
E4	158
E5	183
E6	132
TRK1	50
SQ1	259
SQ2	147
SQ9	44

E83 Responses = 84

Total Minutes on Calls per Unit - November 2024					
Apparatus	November	Hours			
E1	2,821.47	47.02			
E2	2,042.38	34.04			
E3	3,324.95	55.42			
E4	2,777.07	46.28			
E5	3,154.62	52.58			
E6	2,217.78	36.96			
E83	1,446.15	24.10			
TRK1	546.17	9.10			
SQ9	736.32	12.27			
SQ1	5,473.85	91.23			
SQ2	2,818.32	46.97			
	27,359.08	455.98			
Station 1	147 Hours				
Station 2	81 Hours				
Station 3	55 Hours				
Station 4	46 Hours				
Station 5	53 Hours				
Station 6	37 Hours				
This represents total time on scene of an incident. This does not reflect Brush Units or Tenders which have longer on scene times due to extensive brush firefighting operations.			Total Minutes for Units on Calls (27,359) is 63% of the Total Minutes in November (43,200)		

# SQUAD 9

## MONTHLY OPERATIONAL UPDATE

### SUMMARY

This report is a continual evaluation on the performance of Squad 9 during the daytime operational period. This report reflects data gathered from the last 69 days (9/23/24 to 11/30/24). The data gathered in this report tracks call volume and response times for the area designated for Fire Station 9. This information will be utilized to ensure that the department is achieving goals and objectives for providing optimal services to the community, especially in this rapidly growing section of Palm Bay.

By implementing Squad 9 during the daytime, Engine 4 has availability in their primary response zone to handle calls with reduced response times. Prior to Squad 9, if an incident occurred in the area designated for Fire Station 9, Engine 4 would respond from further away thereby vacating their primary response zone which would then be covered by either station 5 or 6 with longer response times. The overarching goal is to reduce response times so that fire service actions and continuity can be performed quickly during an emergency event.

### TRAVEL TIME COMPARISON

Since the implementation of Squad 9 in Fire Station 9's proposed response zone, there has been a reduction of travel times into the areas originally handled by Engine 4 with extensive travel times. Squad 9 went into operation starting September 23. The squad only operates from the 0700 to 2000 (7 AM to 8 PM). This is a daytime unit but is resulting in response data to review for preliminary estimates on the travel times for Fire Station 9's response zone proposed by staff.

Engine 4 has been the primary and closest Palm Bay Fire Rescue unit that responded to this portion of the city. This area is designated as response Districts 10 (southern portion), 12, 13, and I-95 South. The average travel time for Engine 4 prior to September 23, 2024, was 9 – 12 minutes. Due to an increase in call volume to this area of the city, the fire department placed Squad 9 in service during the daytime to help with reducing the travel time for a first response ALS unit. Engine 4 is currently still responding to this area as the primary fire suppression unit for incidents, such as, vehicle accidents on I-95, structure fires, brush fires, and fire alarms. Engine 4 is also part of the Automatic Aid response to incidents in Grant-Valkaria and Micco.



## Squad 9 Response Information—November

The information on this page shows the November stats on Squad 9. The implementation and deployment of this unit has decreased response times to Districts 10, 12, 13, and I-95 while also capturing data to justify the need for Fire Station 9. This unit is only staffed for a short duration of the day to help assist with call volume trends during the daytime.

### Unit Turnout Time (Average)

:30

### Unit Response Time (Average)

6:42

- National Standard is 60 seconds (1-minute) for EMS and 80 seconds (1-minute 20 seconds) for Fire.
- National Standard is 240 seconds (4-minutes). This equates to a Total Response time of 5-minutes for EMS and 5-minutes and 20-seconds for a Fire.

**7:12 Total Response Time**

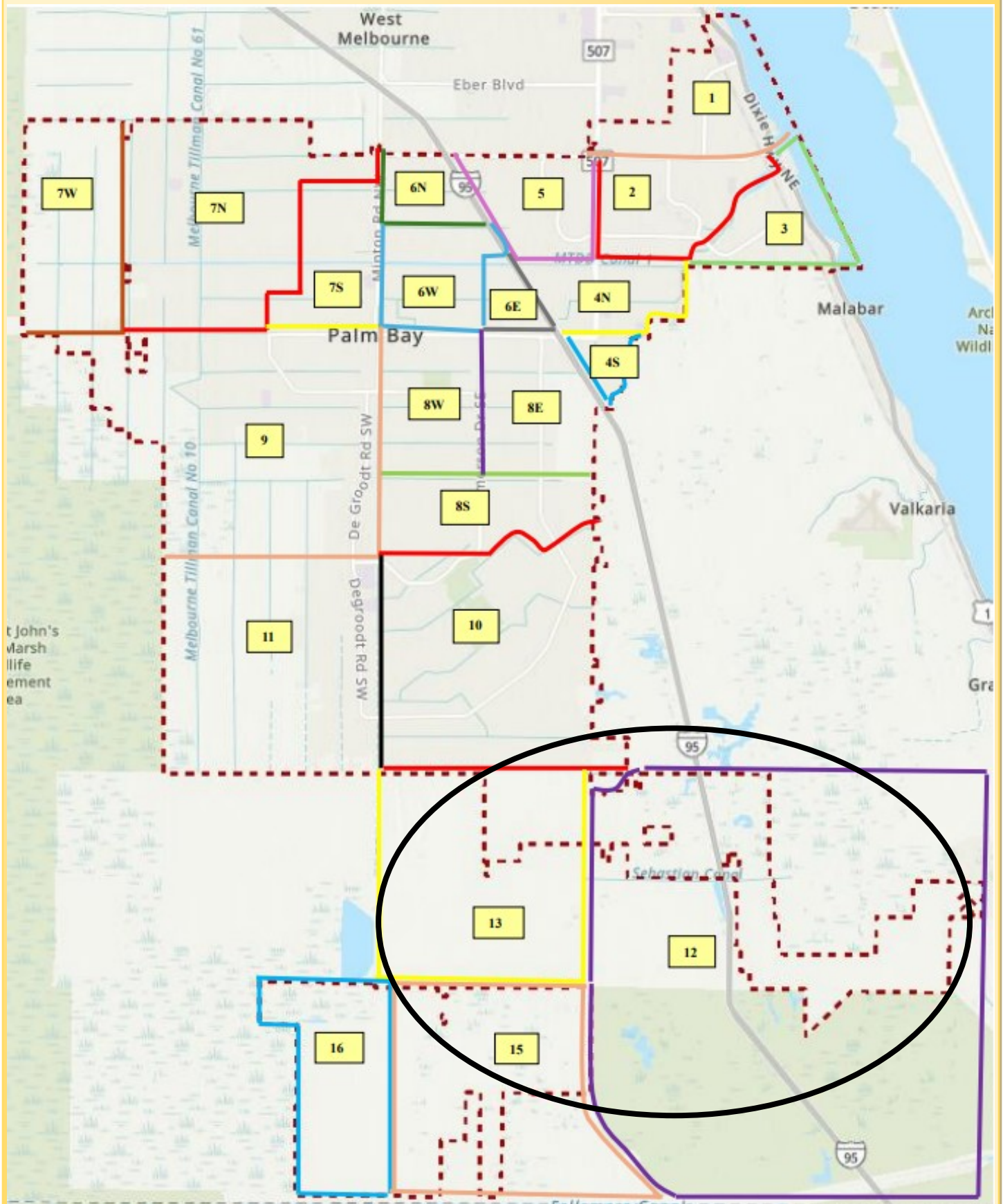
Average on Scene Times (mm:ss)— **23:44**

Total Minutes/Hours on Calls per Month = 736 minutes /12 hours

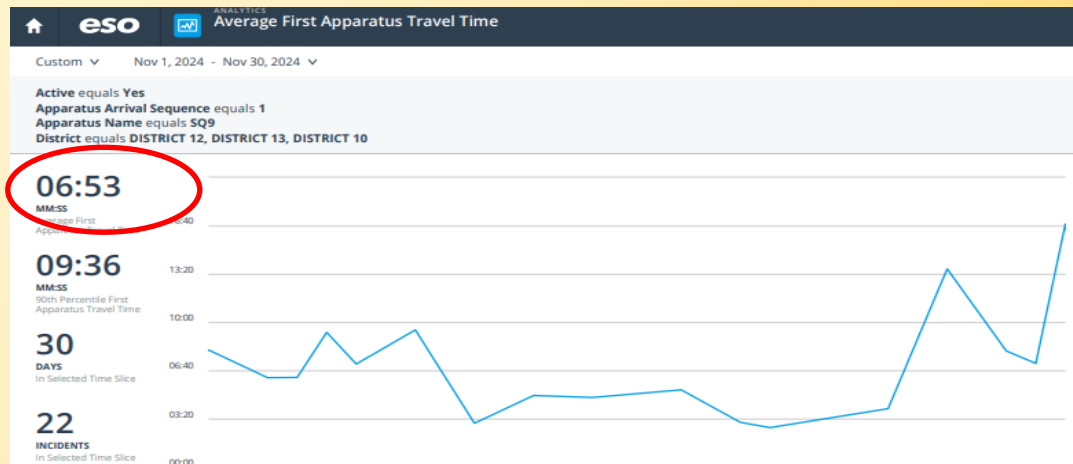
### Significant Calls:

- Trauma (3)
- Respiratory Illness (1)
- Cardia Related Issue (1)
- Fire Alarm (4)
- Controlled Burn (1)

SQ9 assists the closest Engine Company on fires by providing personnel for tactical deployment.

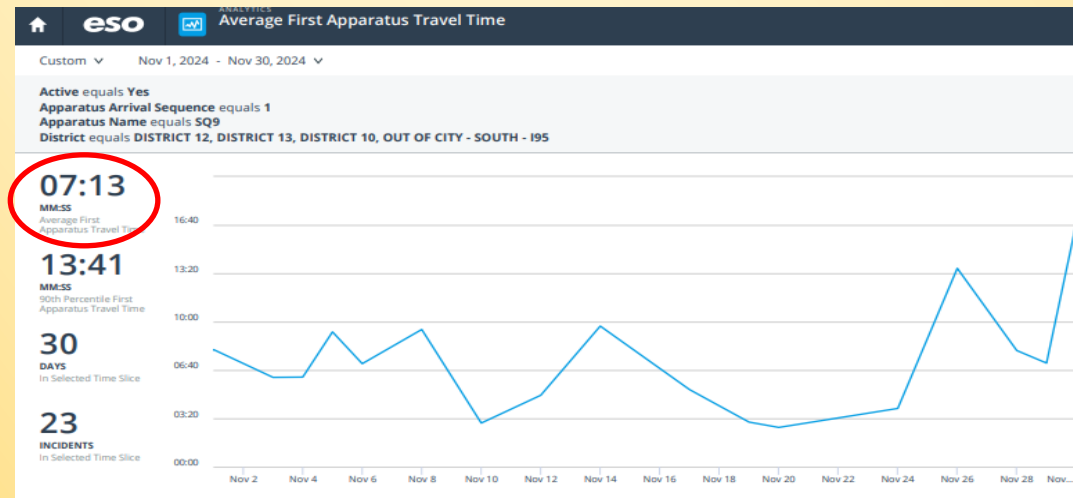


## SQUAD 9 DAYTIME TRAVEL TIMES TO DISTRICTS 10, 12, and 13

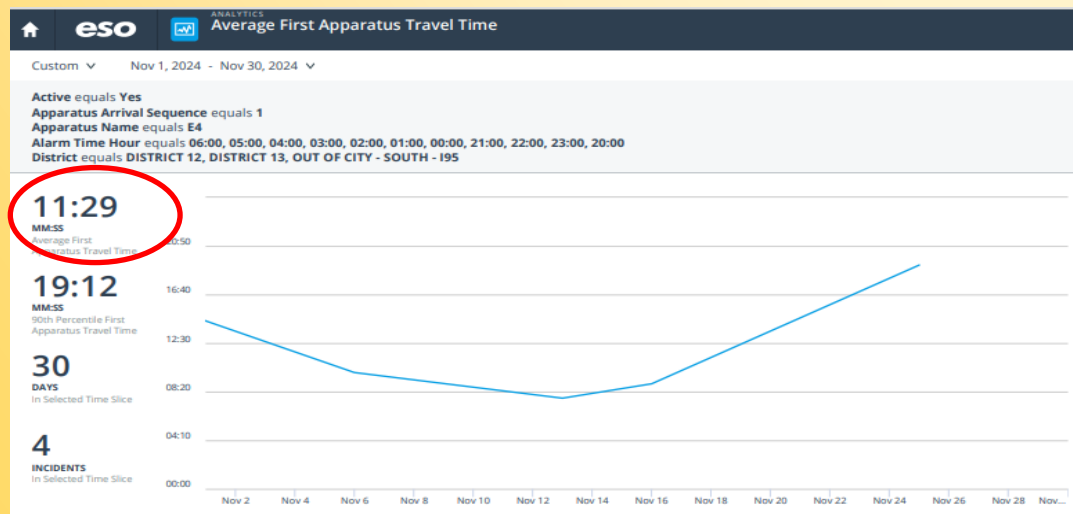


This travel time chart is without responses to I-95.

## SQUAD 9 DAYTIME TRAVEL TIMES TO INCLUDE I-95



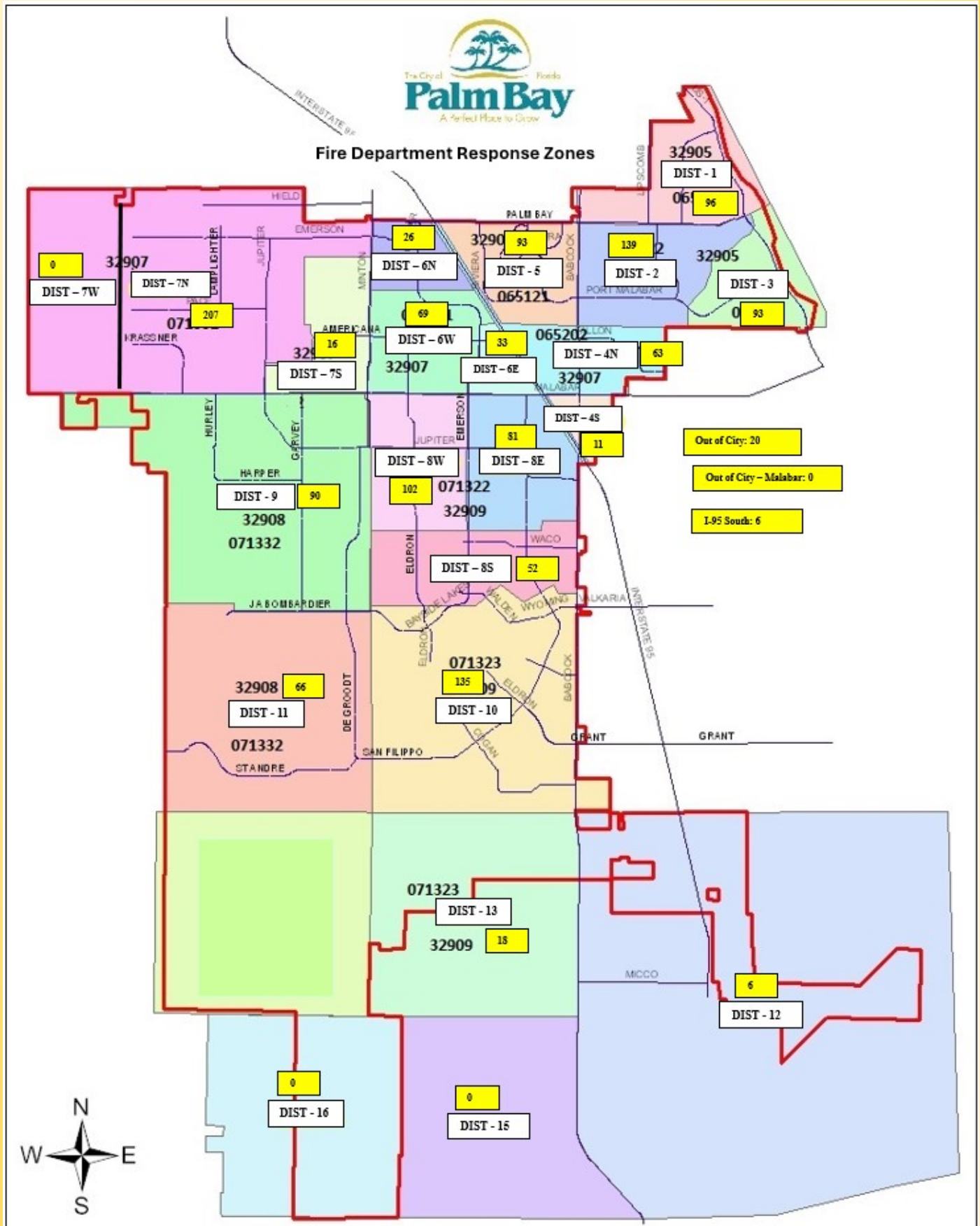
## ENGINE 4 EVENING RESPONSES TO STATION 9 AREA





## Calls by Response Districts

This map shows a breakdown of the monthly incidents by response districts in the city and areas responded to outside of the city.



## Fire Prevention Bureau

### Fire Safety Inspections

Occupancy Type	# of Inspections	Violations Cited	Violations Cleared	Violations Remaining	Occupant Sq. Ft.
Ambulatory Health Care					
Alarm System (Includes Follow-Up)					
Apartment Buildings	131				1,193,365
Assembly Occupancies	3				16,610
BTR	1				2,100
Business Occupancies	27				113,842
Change of Use					
Common Area	6				18,807
Complaint	2				0
Day-Care Occupancies	1				2,778
Educational Occupancies	6				49,258
Fire Pump					
Fire Watch	1				3,434
Food Truck					
Health Care Occupancies					
High Hazard					
Hotels and Dormitories					
Industrial Occupancies	5				44,677
Kitchen Hood System					
Mercantile Occupancies	12				79,136
New Business					
Private Hydrant/Service Mains					
Re-inspect	61				914,296
Residential Board and Care Occupancies					
Special Amusement					
Sprinkler System (Includes Extinguishers)					
Storage Occupancies	9				138,000
Vacant	9				13,121
<b>Total</b>	<b>274</b>	<b>111</b>	<b>2</b>	<b>109</b>	<b>2,589,424</b>

## Public Education

### Elderly Community Outreach Events

November 5	Conducted a presentation for the Aging Matters Seniors at Lunch program at the Captains House on Sleep and Older Adults. A handout was provided which was a booklet on the subject provided by the National Institute on Aging.
November 19	Conducted a health presentation for the residents of the Glenbrooke Assisted Living Facility on Chair Exercises for Seniors. This subject was chosen because many of the attendees are mobility limited and use wheelchairs, walkers and canes. A handout was provided to the participants.

## Public Fire Education

## Education Events

LOCATION	DESCRIPTION	# of Participants	Station
11/4—1225 Waco Blvd SE	Engine 4 Tour at Columbia Elementary	191 Kids	Station 4 Crew and Valerie
11/6—2175 DeGroodt Rd SW	Engine 6 Tour at Westside Elementary Touch a Truck Event	Community	Station 6 Crew and Valerie
11/8—1200 Allamanda Rd NE	Engine 1 Tour at Palm Bay Elementary	130 Kids	Station 1 Crew and Valerie
11/13—7145 Babcock St SE	Engine 5 Tour at Royal Palm Charter School	132 Kids	Station 5 Crew and Valerie
11/14—442 Martin Rd SE	Engine 5 Touch a Truck Event for Rivers Edge Adult Day Care	25 Adults	Station 5 Crew
11/14—155 Del Mundo St NW	Station 2 Truck Day at Chrsita McAulliffe Elementary	45 Kids	Station 2 Crew

## Fire Rescue Logistics Division

The Logistics Division provides the necessary operational support to all firefighting personnel. Throughout the month there are continual orders processed for station supplies, EMS supplies, uniforms, and various additional items. Below is this months processed orders through the Logistics Division.

<b>Standard EMS Orders (Restock/Processed)</b>	<b>12</b>
<b>Standard Janitorial Orders (Restock/Processed)</b>	<b>6</b>
<b>Additional Requests Processed</b>	<b>29</b>
<b>Uniform Orders (Restock/Processed)</b>	<b>14</b>
<b>SWAT Related</b>	<b>0</b>

Additionally, logistics tracks the EMS Consumables utilized on emergency incidents as part of an exchange program with BCFR.

<b>Consumables</b>	<b>Details</b>
ALBUTEROL 2.5mg, each	10 Used
Atrovent 0.5mg	7 Used
Back Board Straps, pkg of 4	12 Used
Blue Latex-Free IV Tourniquet	13 Used
BVM - Adult, each	4 Used
Capnography FLT set CO2 Adult/Pedi w/Orange Tip	3 Used
Cardizem 25mg	1 Used
C-Collar- Adult	14 Used
CPAP Mask, Adult, each	4 Used
D10 (Dextrose 10% 250ml bags)	5 Used
Defib Combo Pads, Adult, each	6 Used
Electrodes, Adult, each	87 Used
EPINEPHRINE 1:10,000 1mg/10ml	4 Used
ET Tube, 7.0mm, each	1 Used
EZ IO Stabilizer	1 Used
EZ-IO Adult, 25mm Needle (Blue), each	2 Used
Glucagon Kit 1mg	1 Used
Glucose gel, Transcend strawberry	1 Used
Head Blocks	3 Used
I-GEL,#3,Yellow	1 Used
I-GEL,#4,Green	2 Used
IV Administration Set SELECT-3, each	12 Used
IV Catheter, 18 gauge, each	13 Used
IV Catheter, 20 gauge, each	15 Used
IV Catheter, 22 gauge, each	1 Used
J Loop, each	23 Used
Mega Mover	3 Used
NARCAN 2mg/2ml, each	2 Used
Nasal Atomizer, each	3 Used
Nasal Cannula - Adult, each	21 Used
Nasal Cannula - Pedi, each	1 Used
Nebulizer - mask, each	5 Used
Nebulizer, hand held, each	4 Used
Needle, 18 gauge, each	3 Used
Normal Saline, 1000ml, each	5 Used
Normal Saline, 10ml Flush, each	17 Used
Normal Saline, 250ml, each	3 Used
NRB Mask, Adult, each	15 Used
NRB Mask, Pedi, each	1 Used
O2 Tubing, each	1 Used
Pressure Infuser, each	1 Used
Rider for BCFR	8 Used
Solumedrol 125mg	1 Used
Suction Cannister	1 Used
Yankauer Rigid Suction Catheter	1 Used
Zofran 2mg	1 Used

## Report Writing Reminders

### ALS vs BLS Dispositions

Paramedics and EMTs play a crucial role in clinical interventions and compliance with protocols. Reports are reviewed to ensure quality care is being provided by our personnel. Please document the EMS reports in accordance with protocol. This below example is showing missing Dispositions for EMS reports. This also shows a comparison between EMS incidents that were either ALS or BLS in nature. These DO NOT include the “311’s”. For comparison in September, there were **182 ALS** calls and **311 BLS** calls compared to an overall **912 EMS** coded calls. This means that 493 EMS reports were generated for EMS incidents and the remaining 419 were coded as 311 Medical Assist.

ALS v BLS		
Level of Service		
		7
Incident Date	Incident Number	Disposition
11/24/2024 10:07:21 AM	2024-00017431	Patient Treated, Transferred Care to Another EMS Professional/Unit
11/25/2024 9:20:22 AM	2024-00017492	
11/25/2024 6:25:08 PM	2024-00017524	Patient Treated, Transferred Care to Another EMS Professional/Unit
11/28/2024 4:33:58 PM	2024-00017689	Patient Evaluated, No Treatment/Transport Required
11/14/2024 1:51:40 AM	2024-00016947	Patient Treated, Transferred Care to Another EMS Professional/Unit
11/17/2024 6:45:58 PM	2024-00017115	Patient Treated, Transferred Care to Another EMS Professional/Unit
11/3/2024 3:33:34 AM	2024-00016419	Patient Evaluated, No Treatment/Transport Required
Advanced Life Support		182
Basic Life Support		311
		<b>Total 500</b>

### Disposition Details

Disposition	
Assist, Agency	5
	83
Patient Refused Evaluation/Care (Without Transport)	36
Patient Treated, Released (AMA)	28
Patient Evaluated, No Treatment/Transport Required	8
Patient Treated, Transferred Care to Another EMS Professional/Unit	336
Patient Treated, Transported by Law Enforcement	1
Patient Treated, Transported by Private Vehicle	3
	<b>Total 500</b>

Please continue documenting your responses with attention to detail. Every bit of information helps directly plan for the growth of the organization and aligns with legal requirements. If you have any report writing questions, please contact your officer and follow the chain of command.