



## PALM BAY FIRE RESCUE

### MONTHLY DATA REPORT

# DECEMBER

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.

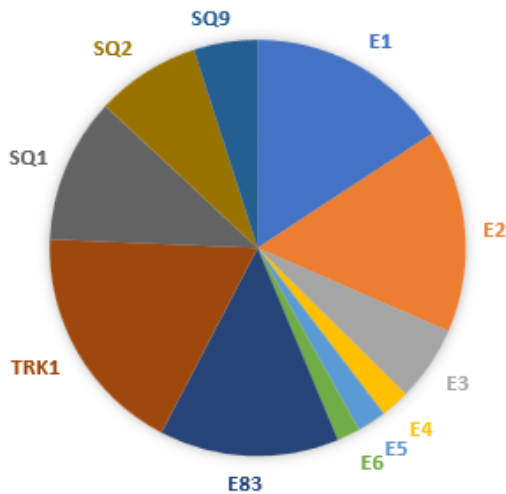
**Concurrent calls** are categorized as calls that occur in two (2) separate station response zones, simultaneously, which create a larger area unprotected until both units are cleared from their respective emergencies.

#### **December Stats**

On Average, 20% of the month, Palm Bay Fire Rescue units are on simultaneous calls

On Average, 9% of the month, Palm Bay Fire Rescue units are unavailable due to being committed on a call for service.

#### MONTHLY SIMULTANEOUS AVERAGES



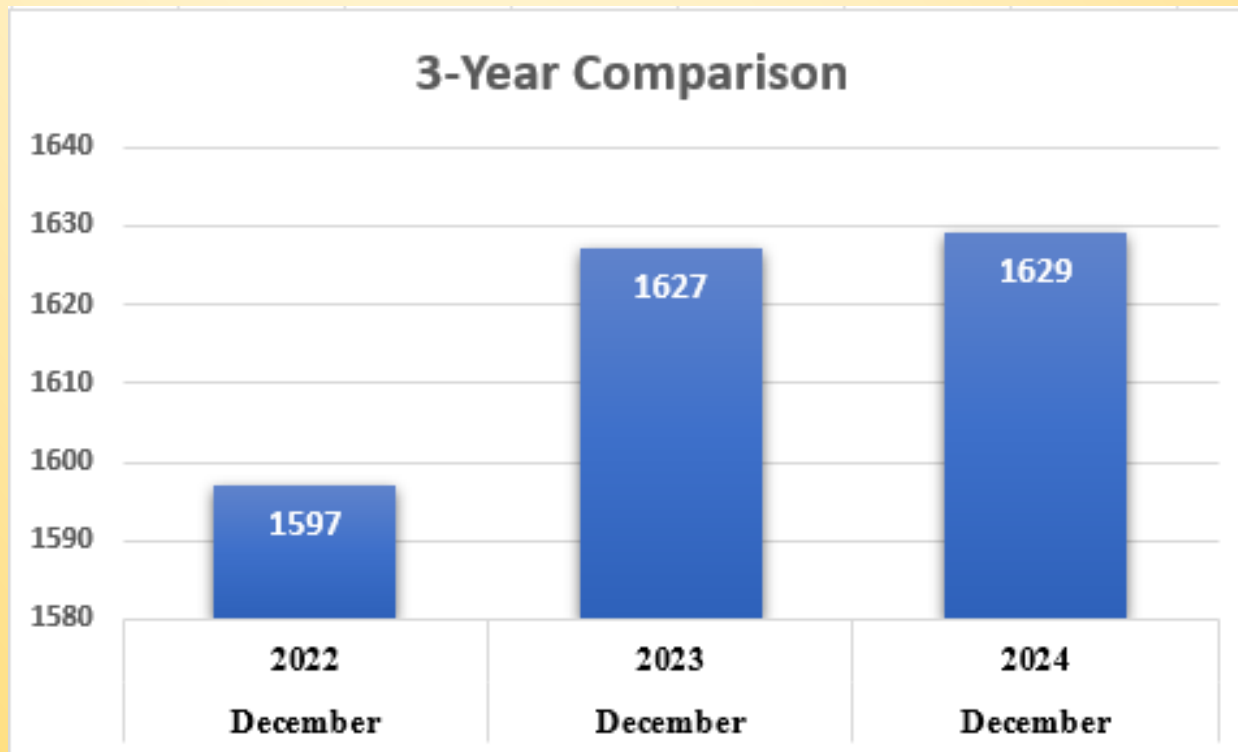
The chart to the left shows a monthly average of units on simultaneous calls.

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

177 Concurrent Calls this Month  
6 Concurrent Calls a Day  
11% of Monthly Call Volume are Concurrent Calls

### Response Comparison from the Past 3-Years

December– Emergency Incidents	2022	2023	2024
Fire – Structure/Vehicle	12	15	13
Fire - Brush	9	12	22
EMS Calls	1083	1030	1001
Hazardous Conditions	16	23	16
Service Call	190	196	211
Good Intent Call	199	232	256
Fire Alarm & False Alarm	85	108	88
Dispatch Error Calls	3	11	22
<b>Total</b>	<b>1597</b>	<b>1627</b>	<b>1629</b>

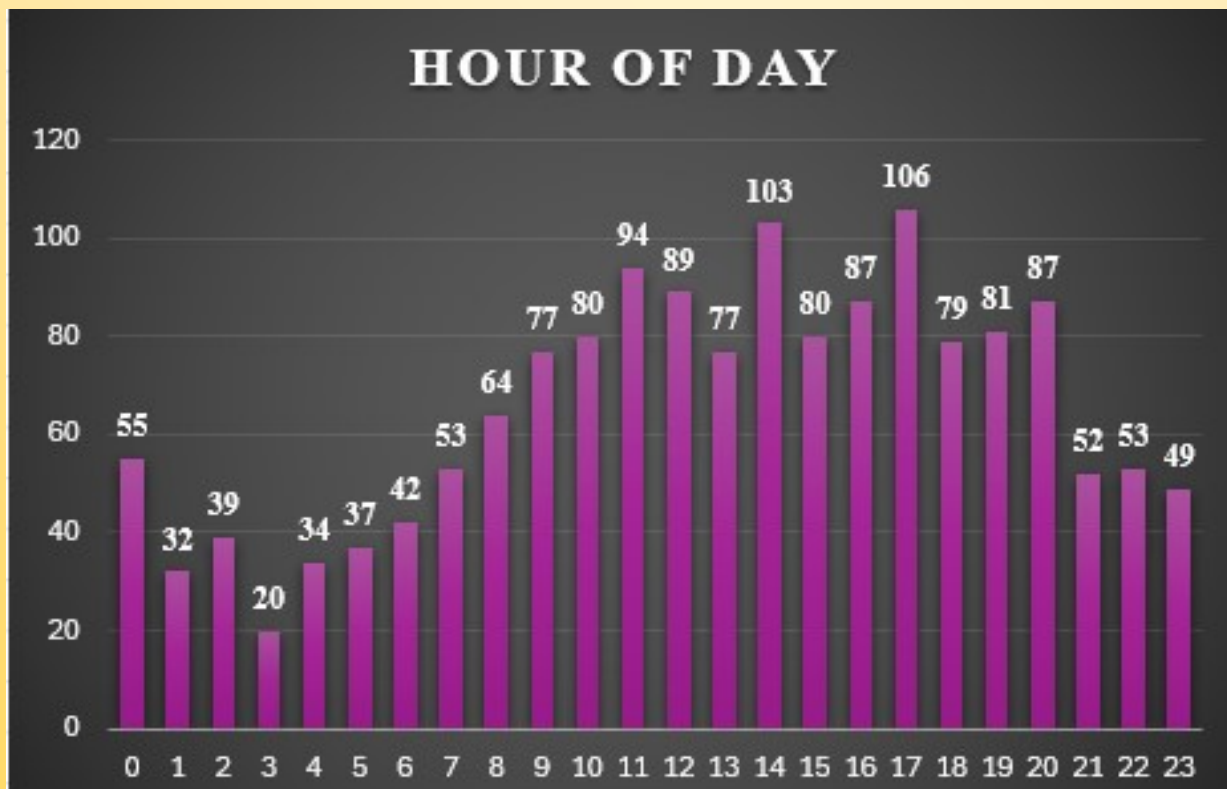
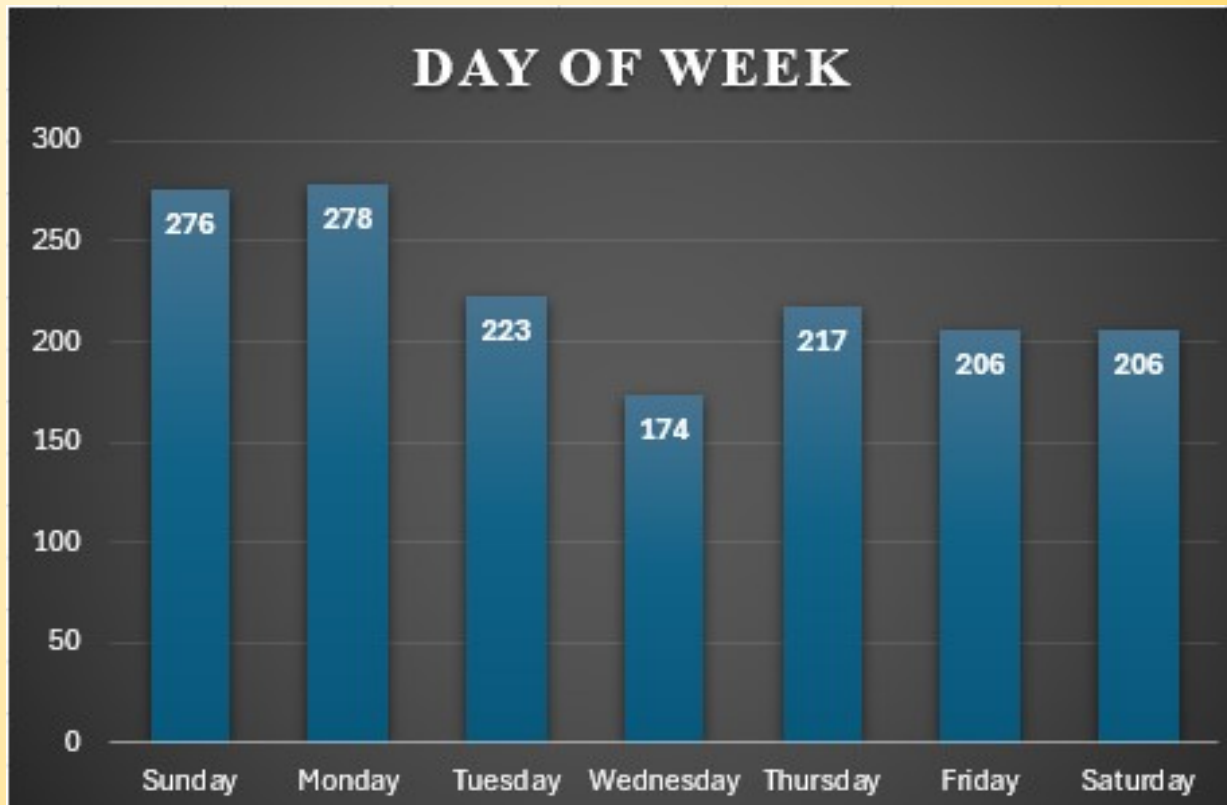


There has been a .1% decrease in call volume from last year this time (comparing December 2023 calls to December 2024 calls).

### 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 Mondays and at 1700 hours (5 PM)**



## Unit Response Information

### Unit Turnout Time

12-01-2024 to 12-31-2024	Turnout Time
Apparatus Name	Minutes/Seconds
E1	1:37
E2	1:24
E3	1:21
E4	1:51
E5	1:31
E6	1:41
S1	1:39
S2	1:21
S9	:14
TRK1	1:39

### Unit Response Time

12-01-2024 to 12-31-2024	Response Time
Apparatus Name	Minutes/Seconds
E1	5:50
E2	6:05
E3	5:15
E4	5:26
E5	6:37
E6	6:29
S1	6:07
S2	4:52
S9	4:54
TRK1	4:37

- 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): **1:29** – Travel Times (Averages): **5:46** = **7:15 Total Response Time**

### Total Minutes/Hours on Calls per Month

Average on Scene Times (mm:ss)— **25:16**

### Responses by Apparatus

E1	173
E2	124
E3	208
E4	187
E5	196
E6	177
TRK1	58
SQ1	256
SQ2	223
SQ9	35

E83 Responses = 91

### Total Minutes on Calls per Unit - December 2024

Apparatus	December	Hours
E1	3,074.00	51.23
E2	2,409.98	40.17
E3	3,309.12	55.15
E4	3,576.15	59.60
E5	3,971.52	66.19
E6	3,144.38	52.41
E83	1,386.88	23.11
TRK1	966.48	16.11
SQ9	731.93	12.20
SQ1	5,449.45	90.82
SQ2	4,537.13	75.62
	32,557.02	542.62

Station 1	158 Hours
Station 2	116 Hours
Station 3	55 Hours
Station 4	60 Hours
Station 5	66 Hours
Station 6	52 Hours
Station 9	12 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 (32,557) is 73% of the Total Minutes in December (44,640)**

# 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 monthly data gathered. 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

The information on this page shows the December 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)

:14

### Unit Response Time (Average)

5:09

- 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.

### 5:23 Total Response Time

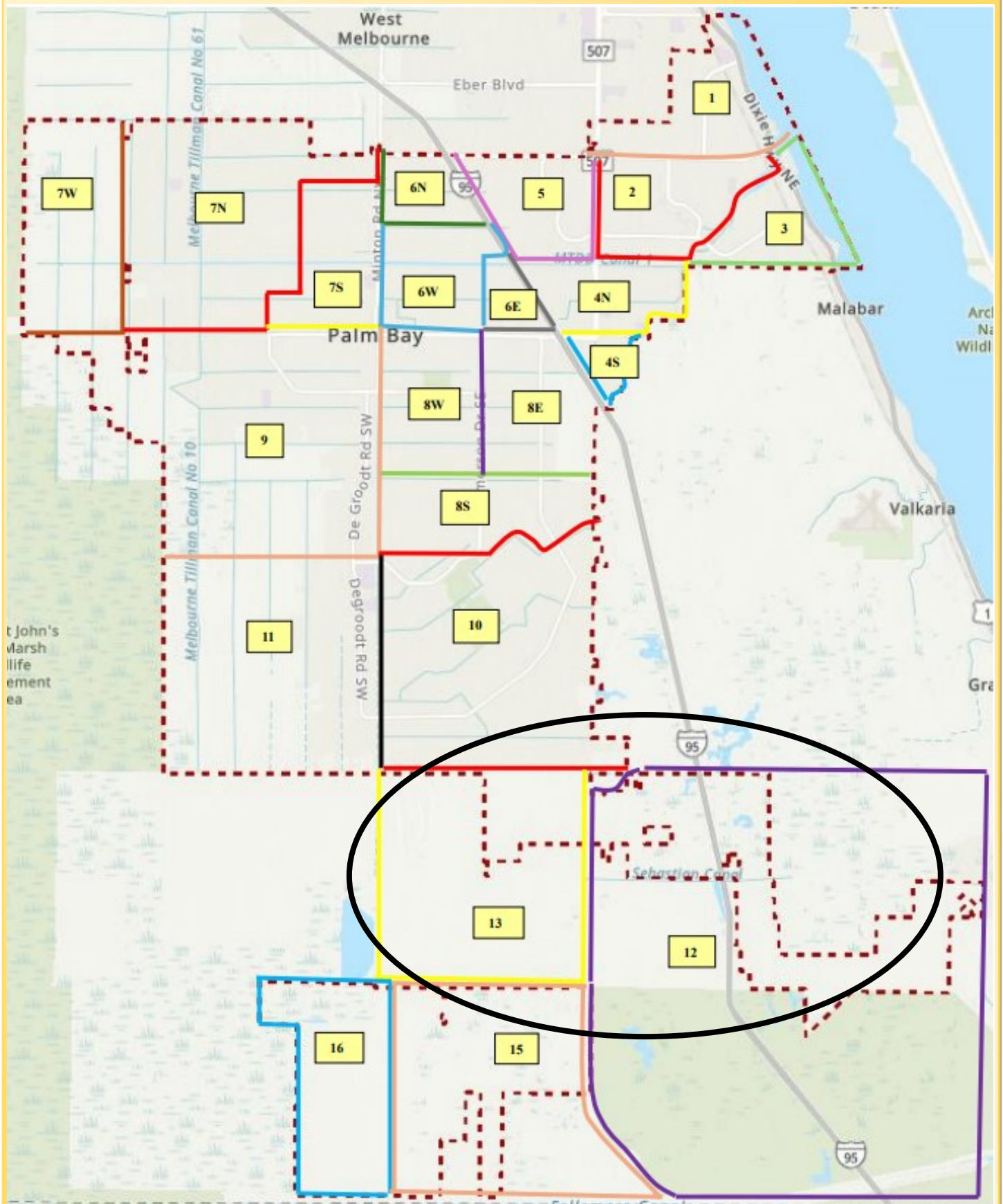
Average on Scene Times (mm:ss)— 25:13

Total Minutes/Hours on Calls per Month = 732 minutes /12 hours

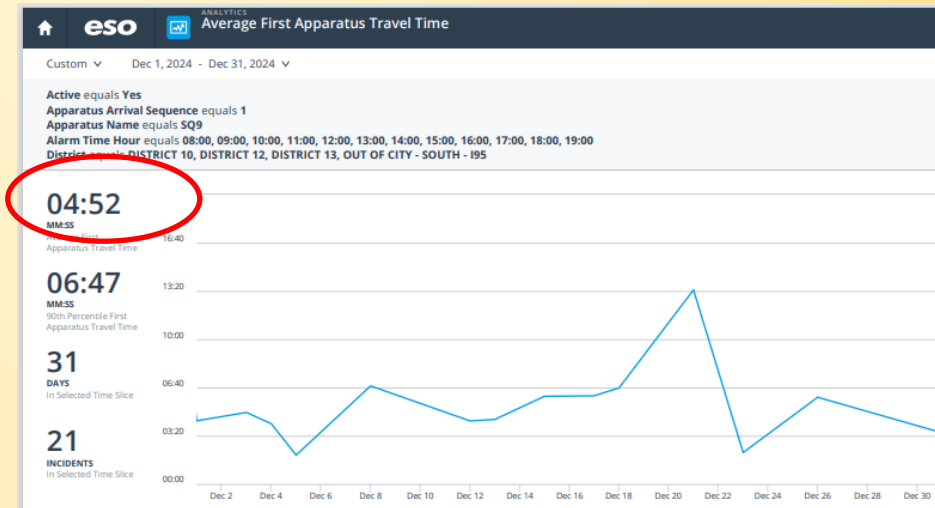
### Incident Response Calls:

- EMS (14)
- Motor Vehicle Crash (5)
- Animal Assist (1)
- Fire Alarm (1)

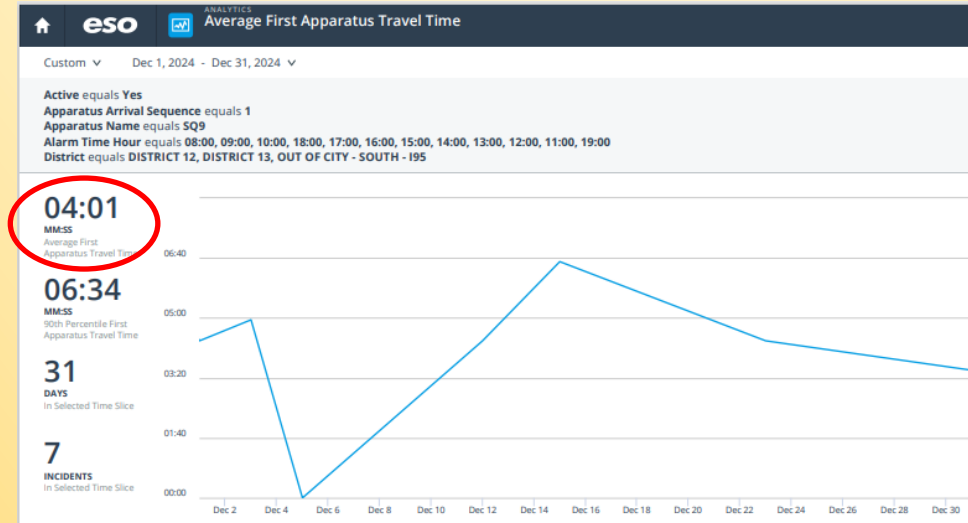
SQ9 assists the closest Engine Company on fires by providing personnel for tactical deployment.



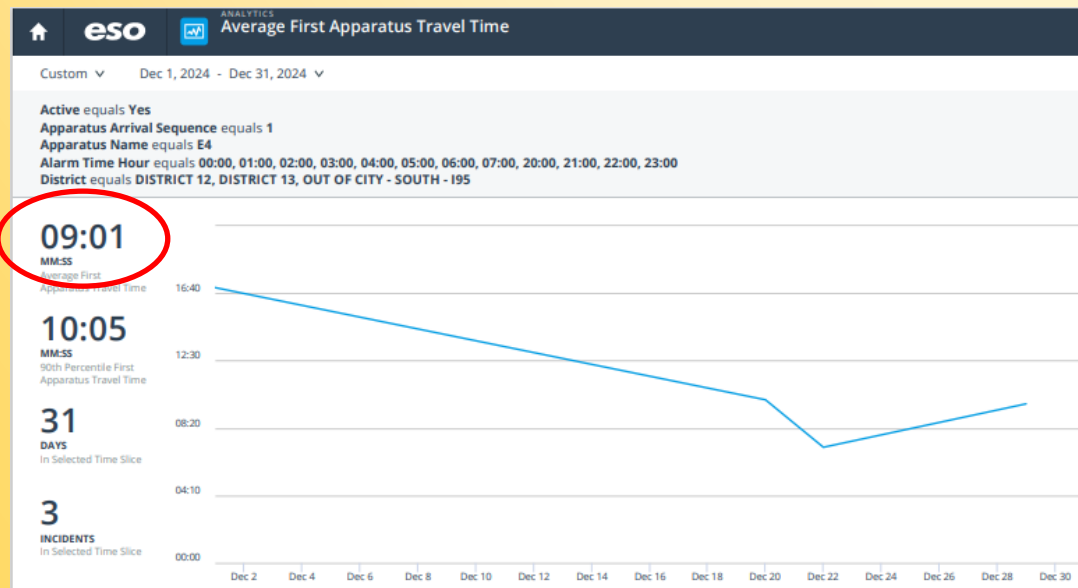
## SQUAD 9 DAYTIME TRAVEL TIMES TO DISTRICTS 10, 12, 13 and I-95



## SQUAD 9 DAYTIME TRAVEL TIMES TO DISTRICTS 12, 13 and I-95



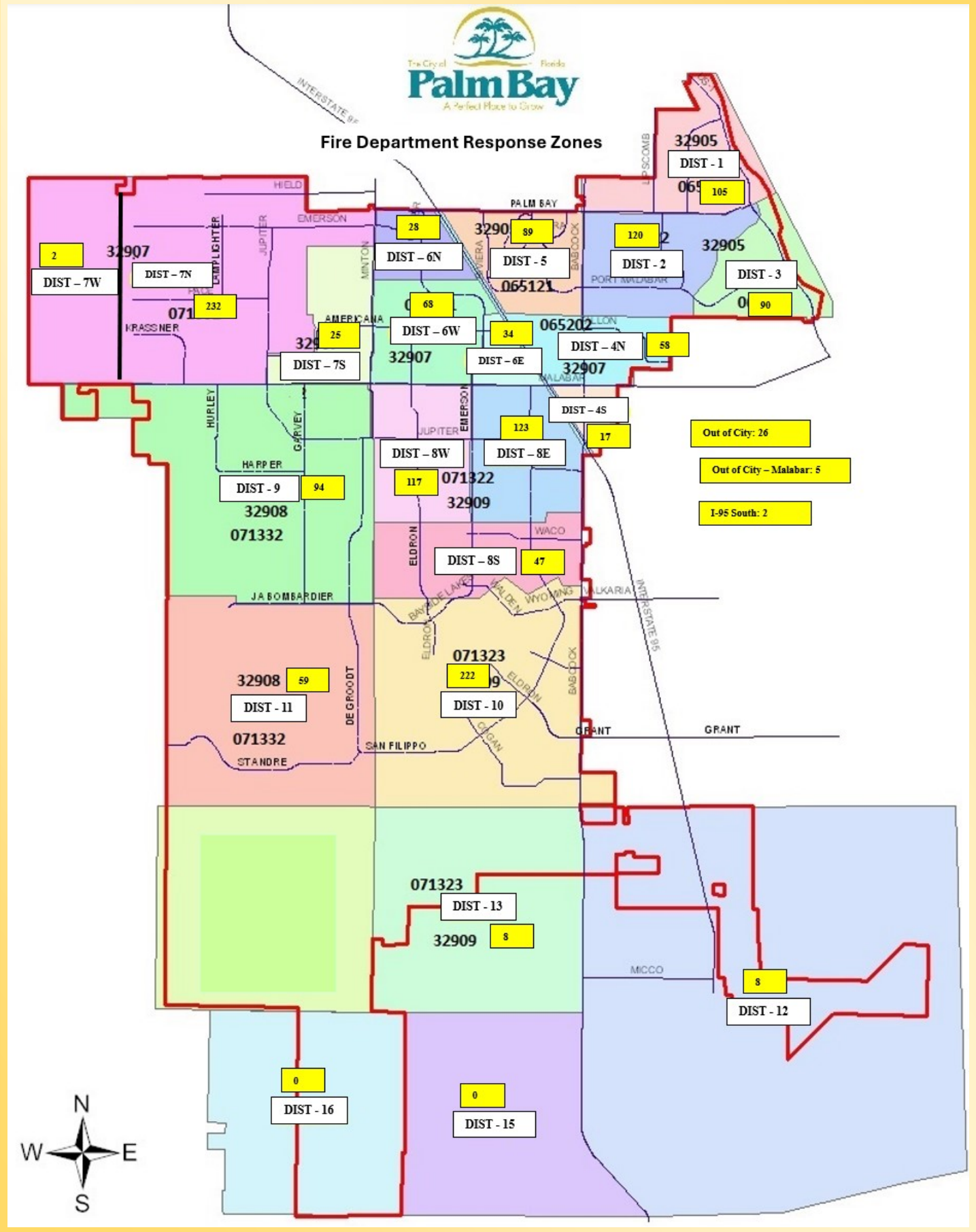
## ENGINE 4 EVENING RESPONSES TO STATION 9 AREA





## 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	45				918,490
Assembly Occupancies	13				30,831
BTR					
Business Occupancies	53				167,927
Change of Use					
Common Area	13				208,542
Complaint	2				84,859
Day-Care Occupancies					
Educational Occupancies	1				5,656
Fire Pump					
Fire Watch	1				66,952
Food Truck					
Health Care Occupancies					
High Hazard					
Hotels and Dormitories					
Industrial Occupancies	1				2,190
Kitchen Hood System					
Mercantile Occupancies	16				34,015
New Business					
Private Hydrant/Service Mains					
Re-inspect	135				1,547,937
Residential Board and Care Occupancies	2				4,866
Special Amusement					
Sprinkler System (Includes Extinguishers)					
Storage Occupancies	6				118,091
Vacant	13				38,062
<b>Total</b>	<b>301</b>	<b>117</b>	<b>4</b>	<b>113</b>	<b>3,228,418</b>

### Public Education

### Elderly Community Outreach Events

December 3	Conducted a presentation for the Aging Matters Seniors at Lunch program at the Captains House on Holiday and Fire Safety Tips. A handout was provided to the participants.
December 17	Conducted a safety presentation for the residents of the Glenbrooke Assisted Living Facility on Holiday Health, Home and Shopping Safety Tips for Seniors. A handout was provided to the participants.  Attendees were given a PBFR Monogrammed flashlight/whistle, which they immediately had a lot of fun with. One lady said that it would be excellent to use if she were to fall in the hall, which had happened once before.

## Public Fire Education

### Education Events

LOCATION	DESCRIPTION	# of PARTICIPANTS	STATION
12/4—1785 Eldron Blvd SE	E6 Tour at Pineapple Cove Daycare	95 Kids	Station 6 Crew, Theresa and Valerie
12/13—1040 Malabar Rd SE	Shopping with a Firefighter at Walmart	Selected Children	Participating Firefighters
12/14—4700 Babcock St NE	Boost Mobile Holiday Event	Community	Station 1 Crew
12/14—720 Emerson Dr NE	Pineapple Cove Christmas Event	Community	Station 3 Crew
12/17—1070 Emerson Dr NE	Doorway to Learning Daycare	35 Kids	Station 2 Crew
12/26—1300 Bianca Dr NE	Glenbrooke Blood Pressure Checks	Community	Valerie

## 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>22</b>
<b>Standard Janitorial Orders (Restock/Processed)</b>	<b>8</b>
<b>Additional Requests Processed</b>	<b>45</b>
<b>Uniform Orders (Restock/Processed)</b>	<b>23</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	9 Used
ATROPINE 1mg/10ml, each	1 Used
Atrovent 0.5mg	4 Used
Back Board Straps, pkg of 4	2 Used
Blue Latex-Free IV Tourniquet	34 Used
BVM - Adult, each	11 Used
Capnography FLT set CO2 Adult/Pedi w/Orange Tip	5 Used
C-Collar- Adult	5 Used
CPAP Mask, Adult, each	6 Used
D10 (Dextrose 10% 250ml bags)	6 Used
Defib Combo Pads, Adult, each	9 Used
Dial-a-Flow, each	1 Used
Electrodes, Adult, each	76 Used
EPINEPHRINE 1:10,000 1mg/10ml	6 Used
ET Tube, 7.0mm, each	3 Used
ET Tube, 8.0mm, each	1 Used
EZ IO Stabilizer	4 Used
EZ-IO Adult, 25mm Needle (Blue), each	2 Used
EZ-IO, Large Adult, 45mm Needle (Yellow), each	5 Used
Glucose gel, Transcend strawberry	4 Used
I-GEL,#4,Green	4 Used
I-GEL,#5,Orange	1 Used
IV Administration Set SELECT-3, each	17 Used
IV Catheter, 16 gauge, each	1 Used
IV Catheter, 18 gauge, each	31 Used
IV Catheter, 20 gauge, each	5 Used
IV Catheter, 22 gauge, each	1 Used
J Loop, each	54 Used
Mega Mover	2 Used
NARCAN 2mg/2ml, each	3 Used
Nasal Atomizer, each	2 Used
Nasal Cannula - Adult, each	28 Used
Nebulizer - mask, each	4 Used
Nebulizer, hand held, each	4 Used
Needle, 18 gauge, each	4 Used
Normal Saline, 1000ml, each	13 Used
Normal Saline, 10ml Flush, each	45 Used
Normal Saline, 250ml, each	4 Used
NRB Mask, Adult, each	22 Used
NRB Mask, Infant, each	1 Used
O2 Tubing, each	3 Used
Pressure Infuser, each	3 Used
Rider for BCFR	13 Used
SODIUM BICARB 50meq, each	2 Used
Solumedrol 125mg	3 Used
Succinylcholine	1 Used
Yankauer Rigid Suction Catheter	1 Used
Zofran 2mg	4 Used



## Report Writing Reminders

### Response District Accuracy

Please be accurate in including the exact Response District your incident occurs in. Officers please review this updated district map and locate your primary and secondary response districts to see any changes. There is a new District 7W to assist in tracking incidents in the new development in the northwest.

#### New Districts

