



## PALM BAY FIRE RESCUE

### MONTHLY DATA REPORT

# OCTOBER

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.

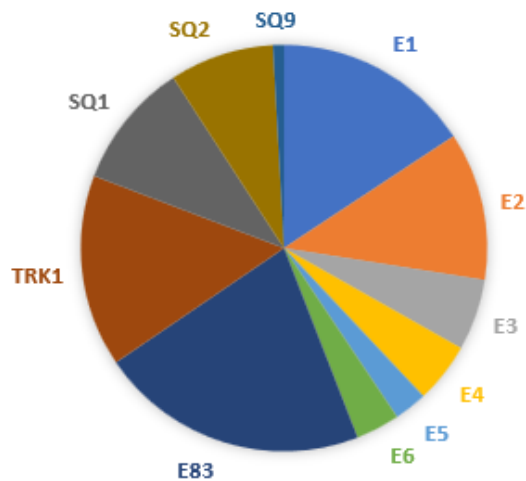
**Concurrent calls** are categorized as calls that occur in two (2) separate station response zones, simultaneously, which create a larger area unprotected until both units are cleared from their respective emergencies.

#### **August Stats**

On Average, 21% 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



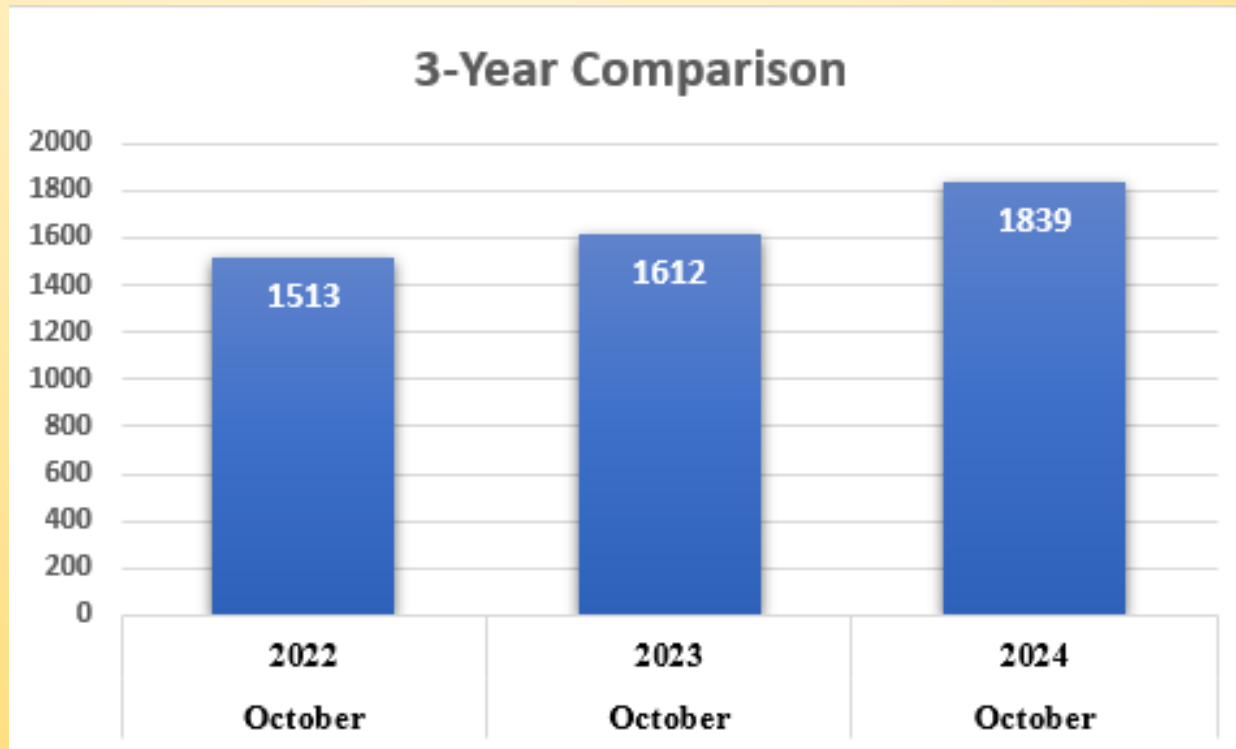
The chart to the left shows a monthly average of units on simultaneous calls.

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

201 Concurrent Calls this Month  
6.5 Concurrent Calls a Day  
11% of Monthly Call Volume are Concurrent Calls

### Response Comparison from the Past 3-Years

October– Emergency Incidents	2022	2023	2024
Fire – Structure/Vehicle	14	10	14
Fire - Brush	11	14	17
EMS Calls	1018	1020	1019
Hazardous Conditions	21	16	187
Service Call	199	192	212
Good Intent Call	172	240	272
Fire Alarm & False Alarm	76	117	103
Dispatch Error Calls	2	3	15
<b>Total</b>	<b>1513</b>	<b>1612</b>	<b>1839</b>

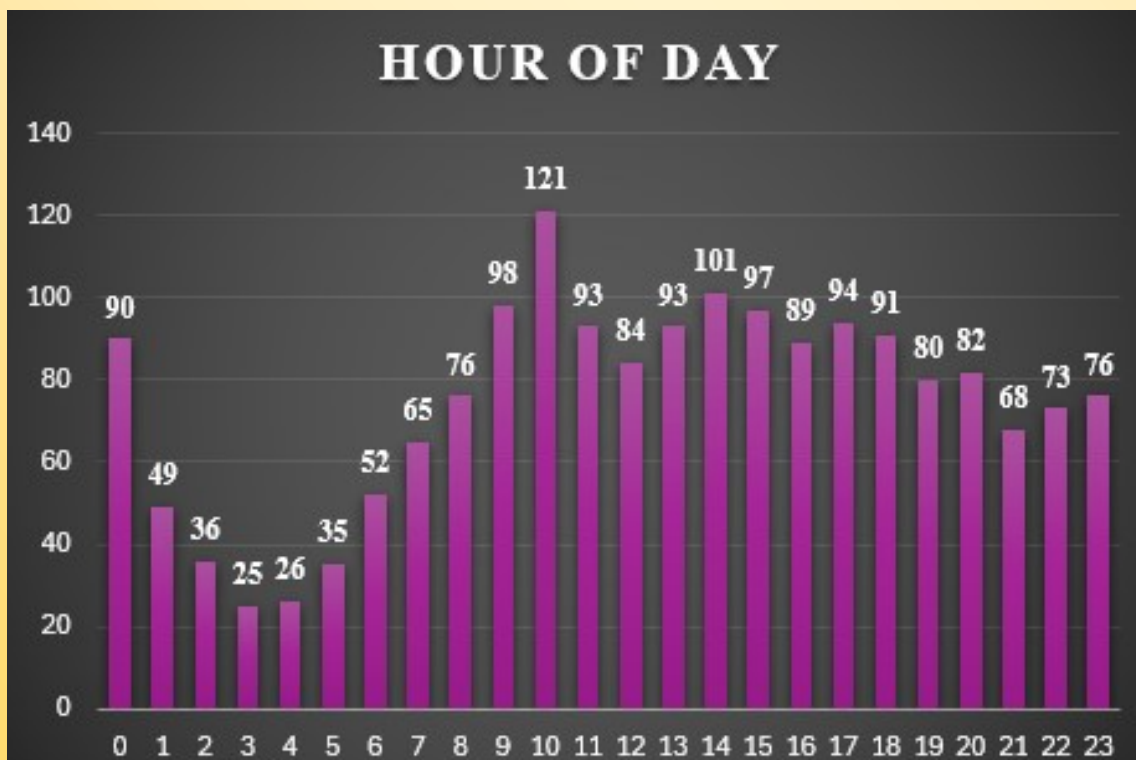
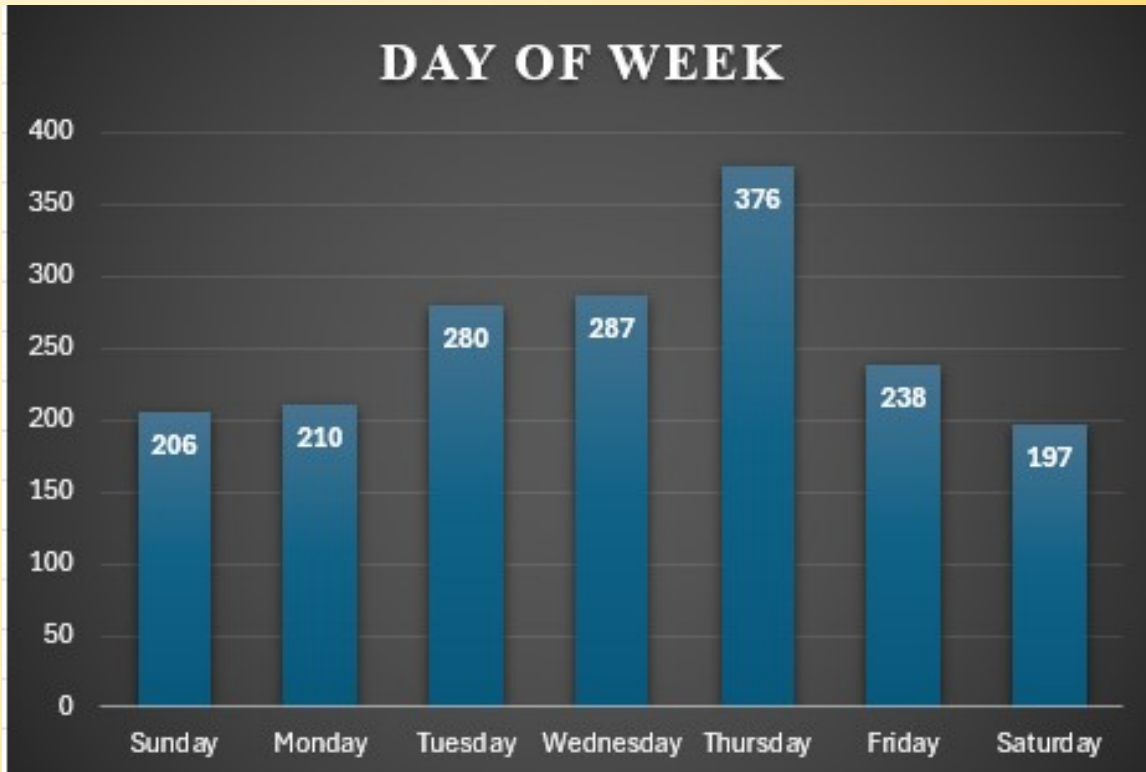


There has been a **14%** increase in call volume from last year this time (comparing October 2023 calls to October 2024 calls).

### 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 1000 hours (10 AM)**



## Unit Response Information

### Unit Turnout Time

10-01-2024 to 10-31-2024	Turnout Time
Apparatus Name	Minutes/Seconds
E1	1:36
E2	1:17
E3	1:21
E4	1:52
E5	1:24
E6	1:45
S1	1:36
S2	1:20
S9	1:11
TRK1	1:30

### Unit Response Time

10-01-2024 to 10-31-2024	Response Time
Apparatus Name	Minutes/Seconds
E1	5:57
E2	5:53
E3	5:24
E4	6:38
E5	6:20
E6	5:36
S1	6:14
S2	5:31
S9	5:23
TRK1	5:54

- 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): **1:24** – Travel Times (Averages): **5:44** = **7:08 Total Response Time**

### Total Minutes/Hours on Calls per Month

Average on Scene Times (mm:ss)— **24:04**

### Responses by Apparatus

E1	196
E2	169
E3	230
E4	191
E5	228
E6	196
TRK1	55
SQ1	299
SQ2	190
SQ9	41

E83 Responses = 74

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

Apparatus	October	Hours
E1	2,974.65	49.58
E2	2,397.60	39.96
E3	3,875.75	64.60
E4	3,830.52	63.84
E5	3,969.47	66.16
E6	3,761.17	62.69
E83	1,274.00	21.23
TRK1	818.33	13.64
SQ9	837.82	13.96
SQ1	5,699.98	95.00
SQ2	3,912.88	65.21
	33,352.17	555.87

Station 1	158 Hours
Station 2	105 Hours
Station 3	65 Hours
Station 4	64 Hours
Station 5	66 Hours
Station 6	63 Hours
Station 9	14 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 (33,352) is 75% of the Total Minutes in October (44,640)**

## Squad 9 Response Information

The information on this page shows the current stats on Squad 9. The implementation and deployment of this unit will decrease response times to Districts 12 & 13 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 day-time.

### Unit Turnout Time (Average)

1:11

### Unit Response Time (Average)

5:23

- 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.

6:34 Total Response Time

Average on Scene Times (mm:ss)— 21:35

Total Minutes/Hours on Calls per Month = 838 minutes /14 hours

### Significant Calls:

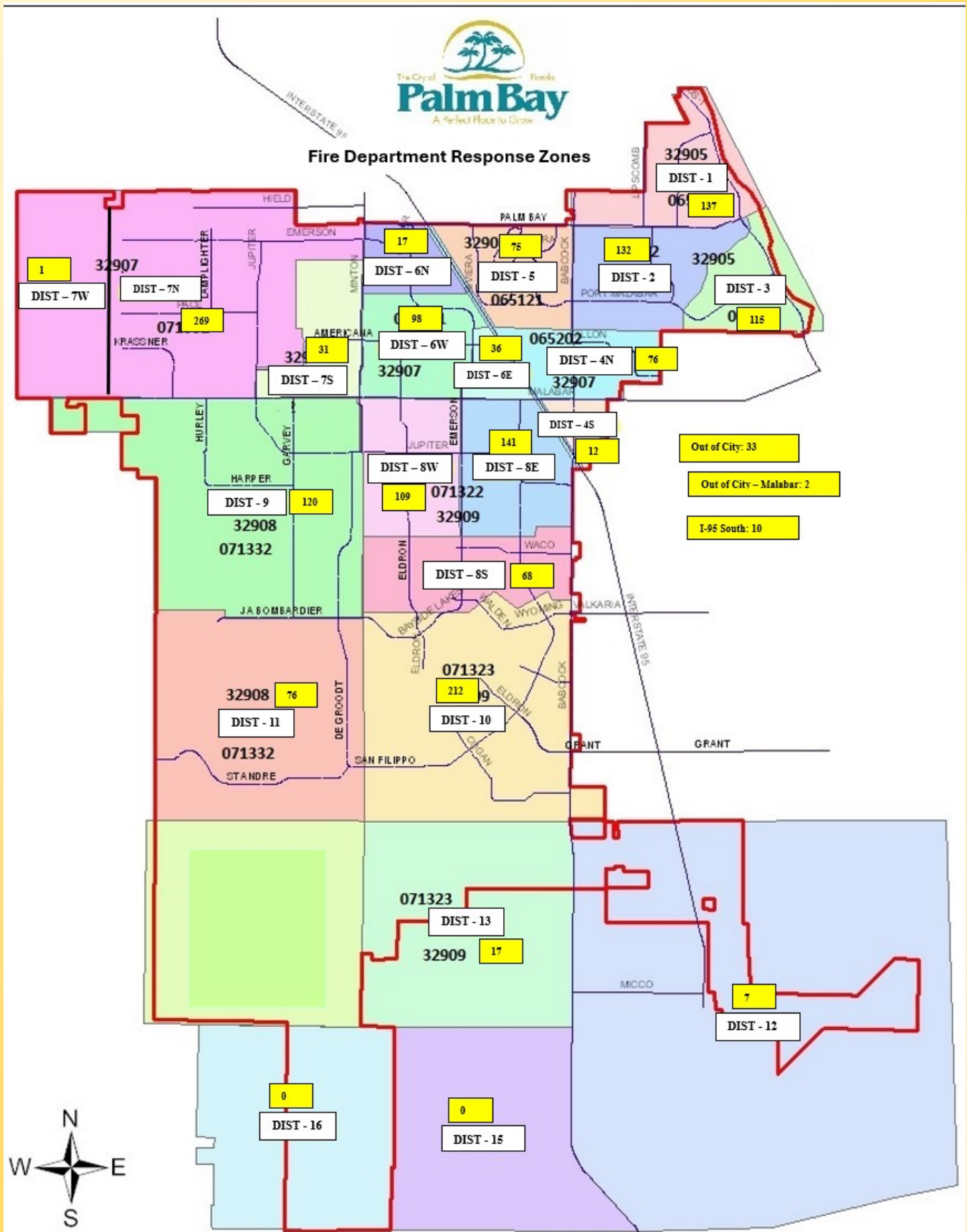
- Trauma on I-95 (1)
- Water Rescue (1)
- Vehicle Fire (1)
- Brush Fire (1)
- Gas Leak/Odor (1)

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



## 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	119				1,205,900
Assembly Occupancies	11				46,840
BTR					
Business Occupancies	20				47,741
Change of Use					
Common Area					
Complaint	2				9,255
Day-Care Occupancies					
Educational Occupancies					
Fire Pump					
Fire Watch	7				28,738
Food Truck					
Health Care Occupancies					
High Hazard					
Hotels and Dormitories					
Industrial Occupancies	7				19,137
Kitchen Hood System	1				2,721
Mercantile Occupancies	17				363,586
New Business					
Private Hydrant/Service Mains					
Re-inspect	86				1,180,399
Residential Board and Care Occupancies	3				7,571
Special Amusement					
Sprinkler System (Includes Extinguishers)					
Storage Occupancies	7				155,591
Vacant	9				11,959
<b>Total</b>	<b>289</b>	<b>115</b>	<b>40</b>	<b>75</b>	<b>3,079,438</b>

## Public Education

### Elderly Community Outreach Events

October 1	Conducted a presentation for the Aging Matters Seniors at Lunch program at the Captains House on Fire Safety for Older Adults, emphasizing How to Deal with Fatigue and Getting a Good Night's Sleep.
October 15	Conducted a health presentation for the residents of the Glenbrooke Assisted Living Facility on Fatigue, More Than Being Tired and Getting a Good Night's Sleep. Pamphlets were provided by the National Institute on Aging.

## Public Fire Education

### Education Events

LOCATION	DESCRIPTION	# of Participants	Station
10/2—Station 1	Station 1 Tour for Precious Lamb Academy	20 Kids	Station 1 Crew
10/4—1101 Woodlake Dr	Engine 1 Tour at Vizion Christian Academy	30 Kids	Station 1 Crew
10/12—1166 Malabar Rd	Lowes Community Safety Event	Community	Station 5 Crew
10/15—Station 2	Station 2 Tour for Bayside Discovery Center	11 Kids	Station 2 Crew
10/16—Station 2	Same as Above	11 Kids	Station 2 Crew
10/17—Station 2	Same as Above	16 Kids	Station 2 Crew
10/17—Station 1	Engine Tour at Just for Kids Palm Bay	27 Kids	Station 1 Crew
10/17—Harris Farms Fall Festival-1950 Vars St	Engine 3 Apparatus Display/Tour	Community	Station 3 Crew
10/18—Station 6	Engine 6 Tour	20 Kids	Station 6 Crew
10/18—301 Pioneer Ave	Engine 5 Display/Tour at Port Malabar Elementary	Community	Station 5 Crew
10/22—1651 Mara Loma Blvd	Engine 4 Tour at Sunrise Elementary	260 Kids and Teachers	Station 4 Crew and Valerie
10/24—5230 Babcock St	Engine 1 Tour at St. Joseph's School	160 Students	Station 1 Crew and Valerie
10/25—1181 San Filippo Dr	Engine Tour at Kids World Academy	40 Kids	Station 4 Crew
10/28—1755 Eldron Blvd	Engine 4 & 6 Tour at Odyssey Montessori	80 Kids	Station 4 & 6 Crew and Valerie
10/29—1181 Malabar Rd	Engine 5 Display/Tour for Texas Roadhouse Trunk or Treat	Community	Station 5 Crew
10/30—1430 Glenham Dr	Engine 1 Tour for Just for Kids Palm Bay	27 Kids	Station 1 Crew
10/31—Pepper St	Engine 3 Tour at Lockmar Elementary	160 Kids	Station 3 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>13</b>
<b>Standard Janitorial Orders (Restock/Processed)</b>	<b>8</b>
<b>Additional Requests Processed</b>	<b>42</b>
<b>Uniform Orders (Restock/Processed)</b>	<b>31</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	8 Used
Atrovent 0.5mg	1 Used
Back Board Straps, pkg of 4	4 Used
Blue Latex-Free IV Tourniquet	36 Used
BYM - Adult, each	4 Used
Capnography FLT set CO2 Adult/Pedi w/Orange Tip	2 Used
C-Collar- Adult	11 Used
CPAP Mask, Adult, each	3 Used
D10 (Dextrose 10% 250ml bags)	6 Used
Defib Combo Pads, Adult, each	3 Used
DIPHENHYDRAMINE 50mg/1ml	1 Used
Electrodes, Adult, each	112 Used
EPINEPHRINE 1:10,000 1mg/10ml	4 Used
ET Tube, 7.0mm, each	1 Used
ET Tube, 8.0mm, each	2 Used
EZ IO Stabilizer	1 Used
EZ-IO Adult, 25mm Needle (Blue), each	2 Used
EZ-IO, Large Adult, 45mm Needle (Yellow), each	1 Used
Glucagon Kit 1mg	1 Used
Glucose gel, Transcend strawberry	1 Used
Head Blocks	1 Used
I-GEL, #4, Green	1 Used
IV Administration Set SELECT-3, each	26 Used
IV Catheter, 18 gauge, each	24 Used
IV Catheter, 20 gauge, each	34 Used
IV Catheter, 22 gauge, each	3 Used
IV Catheter, 24 gauge, each	1 Used
J Loop, each	57 Used
Mega Mover	2 Used
NARCAN 2mg/2ml, each	1 Used
Nasal Atomizer, each	2 Used
Nasal Cannula - Adult, each	29 Used
Nasal Cannula - Pedi, each	2 Used
Nebulizer - mask, each	4 Used
Nebulizer, hand held, each	4 Used
Needle, 18 gauge, each	10 Used
Normal Saline, 1000ml, each	17 Used
Normal Saline, 10ml Flush, each	49 Used
Normal Saline, 250ml, each	4 Used
NRB Mask, Adult, each	15 Used
NRB Mask, Pedi, each	1 Used
Pressure Infuser, each	2 Used
Rider for BCFR	7 Used
SODIUM BICARB 50meq, each	1 Used
Solumedrol 125mg	1 Used
Zofran 2mg	8 Used