



City of Hartford
FIRE DEPARTMENT

FIRESTAT

July 2019

"Goal Oriented, Results Driven"



AGENDA



- Introductions
- Remark's from Chief Freeman
- Remark's from Chief Reilly
- Remark's from Chief Barco
- Division Briefings
- Questions/Comments

"Goal Oriented, Results Driven"

Chief Freeman



"Goal Oriented, Results Driven"

Chief Reilly



"Goal Oriented, Results Driven"

Chief Barco



"Goal Oriented, Results Driven"

EMERGENCY SERVICES



"Goal Oriented, Results Driven"

2019 FireStat Updates

- Suppression Only
 - The ISO standard will be used to gauge the efficiency of fire suppression personnel to structure fires. A total time of **six minutes and twenty seconds** is allotted from time the alarm is received at Dispatch to the time the first Engine/Pumper company arrives.
 - The NFPA 1710 for EMS will be used to gauge the efficiency of fire suppression personnel responding to EMS related incidents. 60 seconds is allotted for turnout time and 240 seconds are allotted for travel time.
 - EMS runs are calculated using incident types 300 through 329.

Fire Response Scorecard

City-Wide

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to ISO standards.

Data Source: Firehouse Software

Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

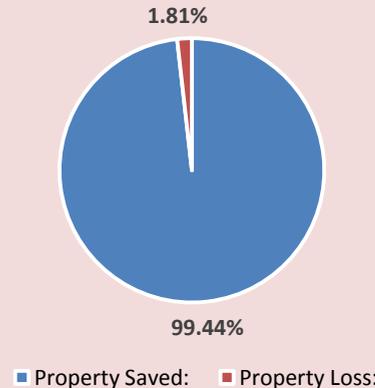
Structure Fires



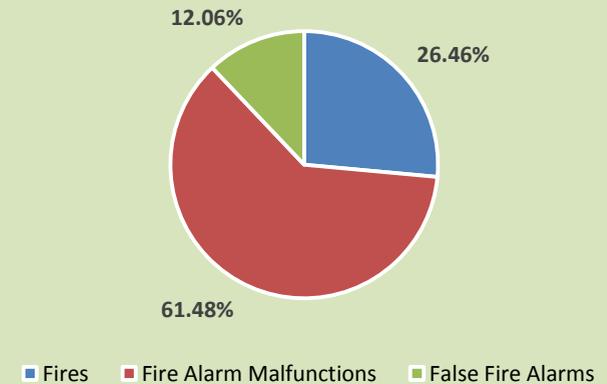
Analysis

➤ Percentage of property saved is remarkable.

Percentage of Property Saved



Fire Alarms compared to Actual Fires



EMS Response Scorecard

City-Wide

Operational Performance Measure: To measure the Response to EMS incidents City-wide.



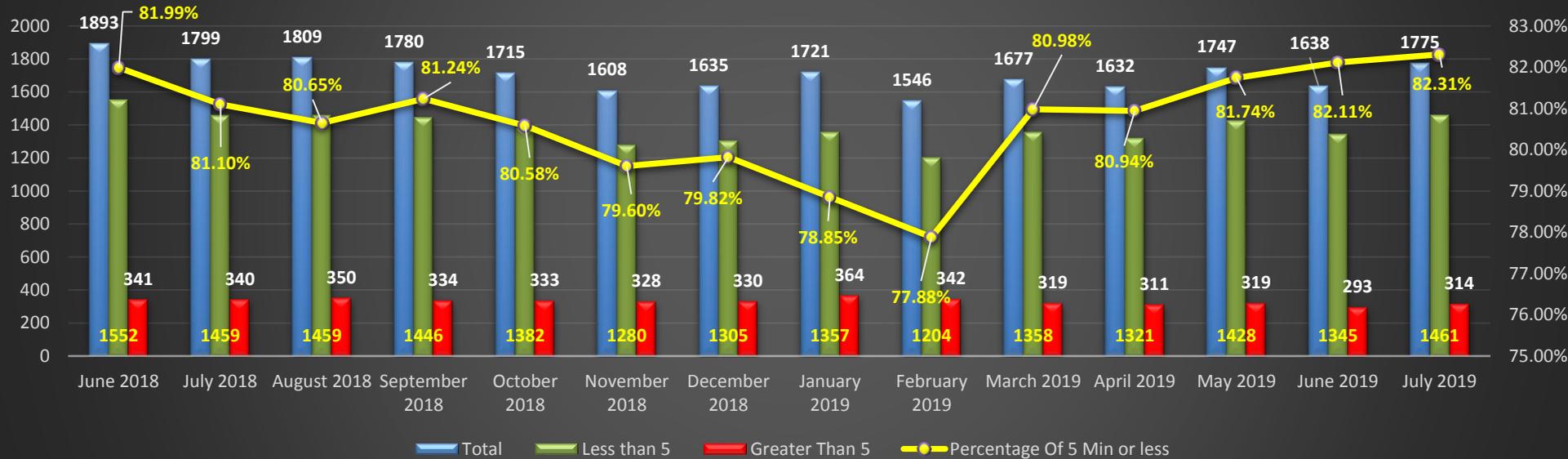
Data Source:
Firehouse Software

Current Period:
07/01/2019 - 07/31/2019

HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

EMS Response City Wide



Analysis

➤ Performance continues to improve for EMS response times.

Recommendations

➤ Continue to emphasize the importance of responding to EMS per our standard.

Impact

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

Fire Response Scorecard

District 1

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according ISO standards.

Data Source: Firehouse Software

Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

First Engine Response in District 1 Area



Analysis	Recommendations	Impact
<ul style="list-style-type: none"> ➤ Excellent work. 	<p>Continue to reiterate the importance of response time compliance.</p>	<ul style="list-style-type: none"> ➤ Life safety stabilization

EMS Response Scorecard

District 1

Operational Performance Measure: To measure the Response to EMS incidents City-wide.

Data Source:
Firehouse Software

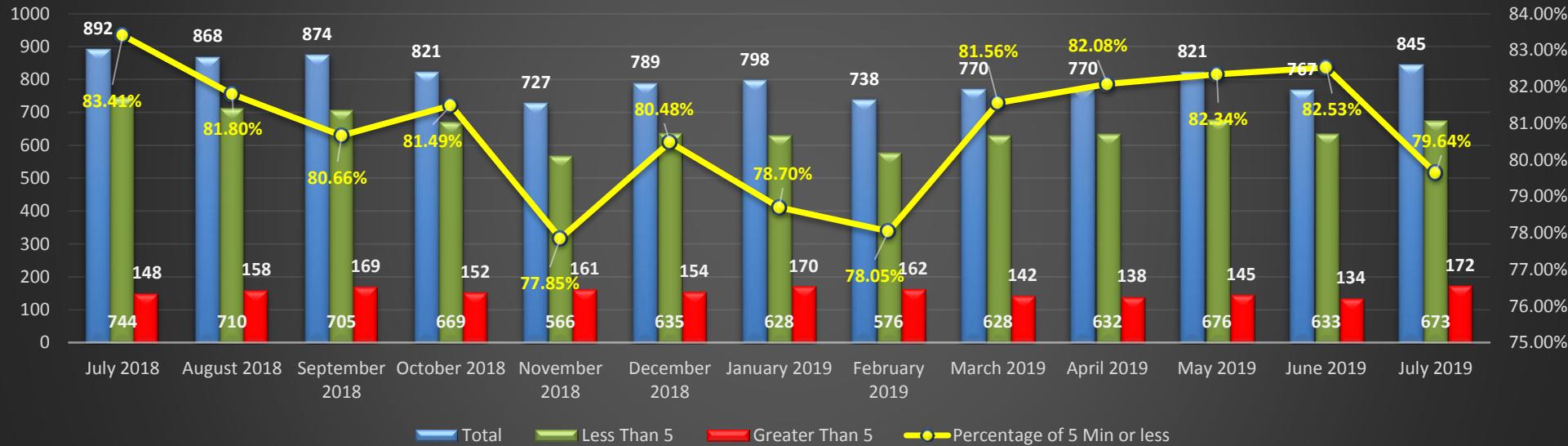
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

First EMS Response in District 1 Area



Analysis

➤ Declination of performance in District 1 for EMS response times.

Recommendations

➤ Continue to re-emphasize importance of EMS responses to members of suppression.

Impact

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

Fire Response Scorecard

District 2

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to ISO standards.

Data Source: Firehouse Software

Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

First Engine Response in District 2 Area



Analysis

Recommendations

Impact

➤ Excellent work by District 2.

Maintain proficiency.

➤ Effective emergency response.

EMS Response Scorecard

District 2

Operational Performance Measure: To measure the Response to EMS incidents City-wide.



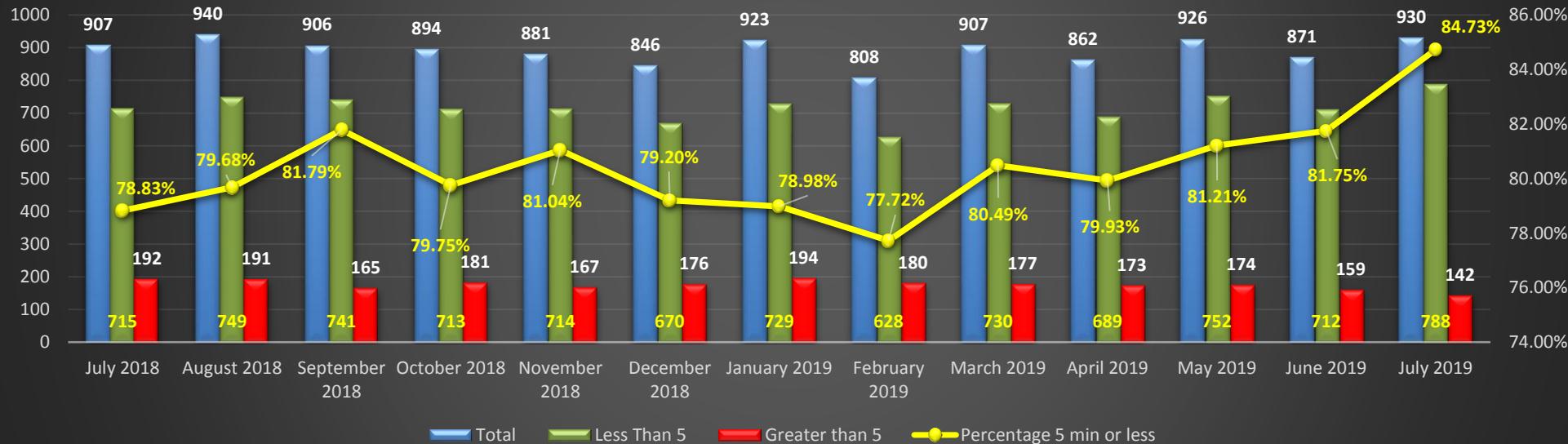
Data Source:
Firehouse Software

Current Period:
07/01/2019 - 07/31/2019

HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

First EMS Response in District 2 Area



Analysis

➤ Great work by District 2.

Recommendations

➤ Continue to re-emphasize importance of EMS responses to members of suppression.

Impact

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

Fire Response Scorecard

Tour A

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to ISO standards.

Data Source: Firehouse Software

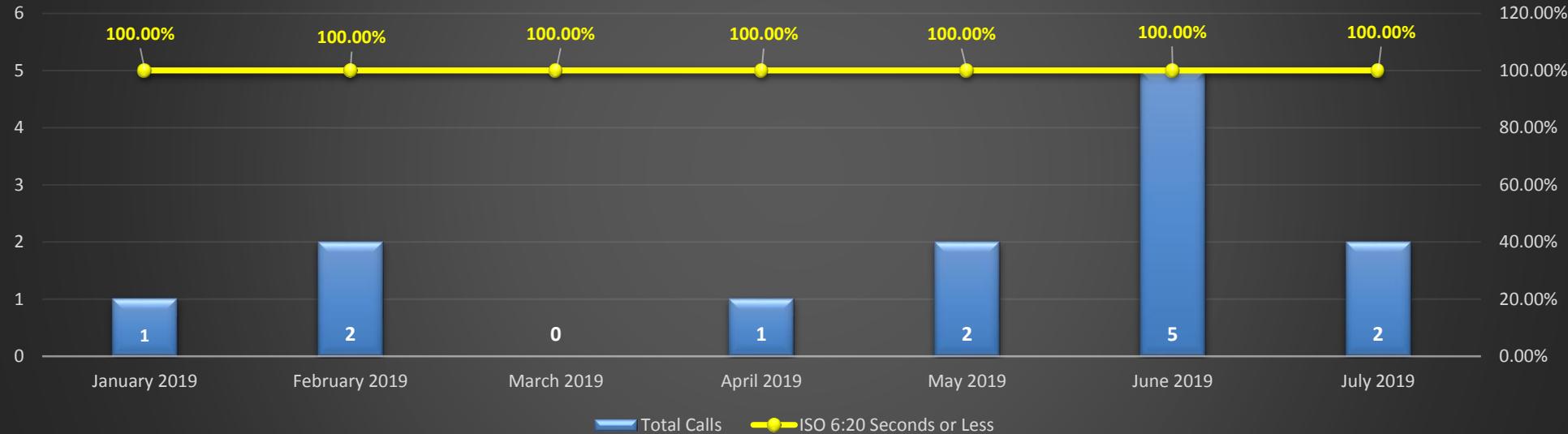
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

First Engine Response Tour A



Analysis

Recommendations

Impact

➤ Excellent work, Tour A.

Reiterate the importance of safely responding to calls for service in the allotted time period.

➤ Effective emergency response.

EMS Response Scorecard

Tour A

Operational Performance Measure: To measure the Response to EMS incidents City-wide.

Data Source:
Firehouse Software

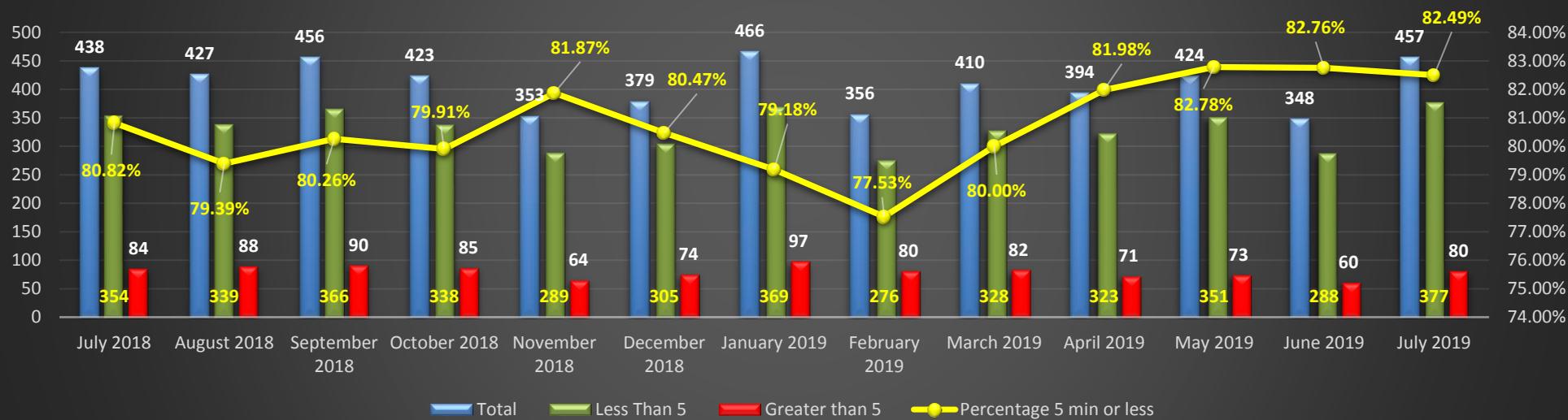
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

First EMS Response Tour A



Analysis

Recommendations

Impact

➤ Performance was “steady” for Tour A pertaining to EMS response times for the month of July.

➤ Continue to re-emphasize importance of EMS responses to members of suppression.

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

Fire Response Scorecard

Tour B

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to ISO standards.

Data Source: Firehouse Software

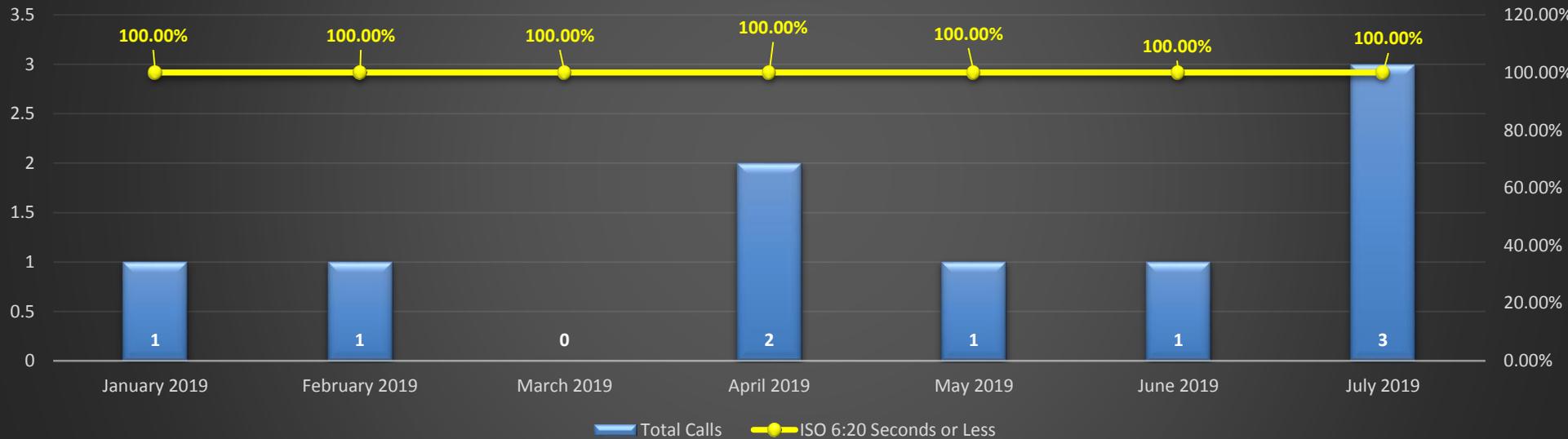
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

First Engine Response Tour B



Analysis

Recommendations

Impact

➤ Excellent job, Tour B.

➤ Maintain efficiency.

➤ Effective emergency response.

EMS Response Scorecard

Tour B

Operational Performance Measure: To measure the Response to EMS incidents City-wide.



Data Source:
Firehouse Software

Current Period:
07/01/2019 - 07/31/2019

HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

First EMS Response Tour B



Analysis

➤ Slight declination in performance by Tour B pertaining to EMS response times for the month of July.

Recommendations

➤ Continue to re-emphasize importance of EMS responses to members of suppression.

Impact

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

Fire Response Scorecard

Tour C

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according ISO standards.

Data Source: Firehouse Software

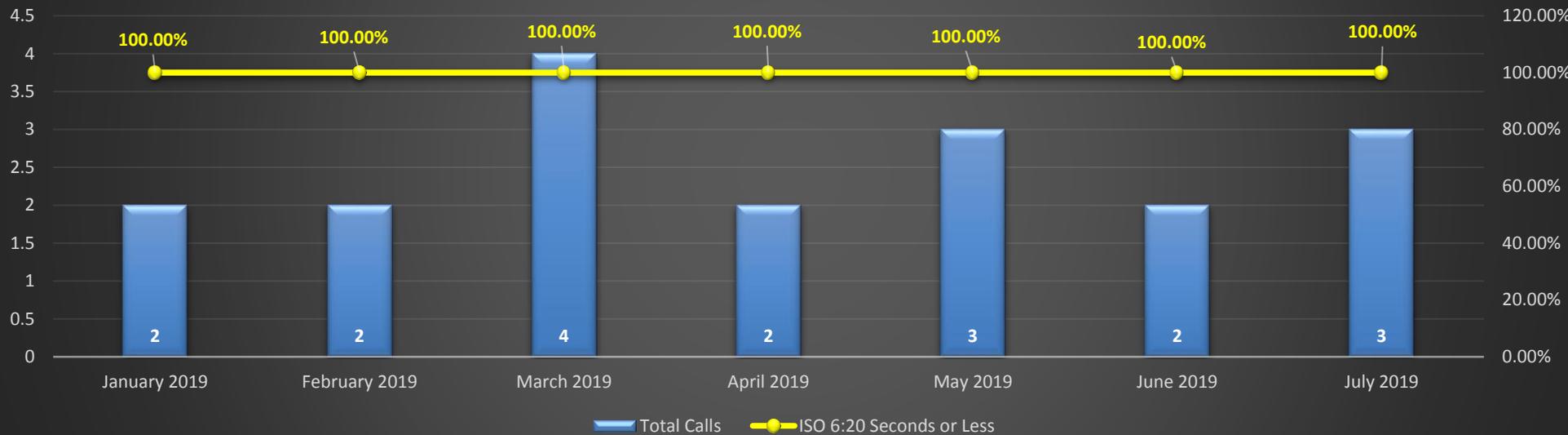
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

First Engine Response Tour C



Analysis

Recommendations

Impact

➤ Excellent work, Tour C.

Reiterate the continued expectation of compliance.

➤ Efficiency of emergency response.

EMS Response Scorecard

Tour C

Operational Performance Measure: To measure the Response to EMS incidents City-wide.

Data Source:
Firehouse Software

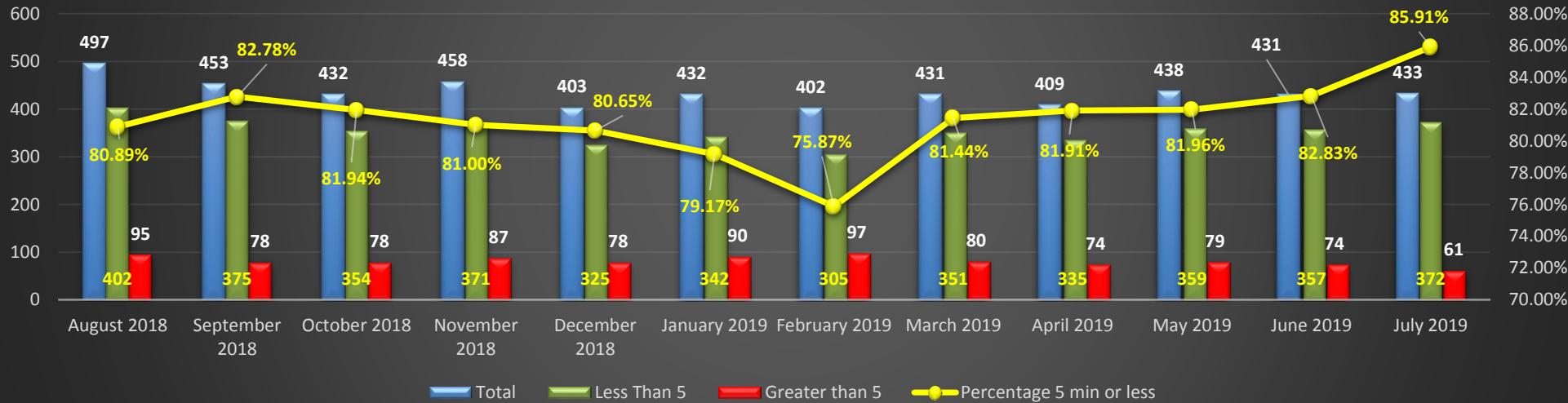
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

First EMS Response Tour C



Analysis

➤ Excellent improvement by Tour C pertaining to EMS response times for the month of July.

Recommendations

➤ Continue to re-emphasize importance of EMS responses to members of suppression.

Impact

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

Fire Response Scorecard

Tour D

Operational Performance Measure: To measure the Response time of 4 firefighters or 1 Engine according to ISO standards.

Data Source: Firehouse Software

Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 1 Engine in 6:20 minutes (ISO) 90% of time

First Engine Response Tour D



Analysis

Recommendations

Impact

➤ Outstanding work by Tour D.

Conduct performance analysis.

➤ Life safety incident stabilization.

EMS Response Scorecard

Tour D

Operational Performance Measure: To measure the Response to EMS incidents City-wide.

Data Source:
Firehouse Software

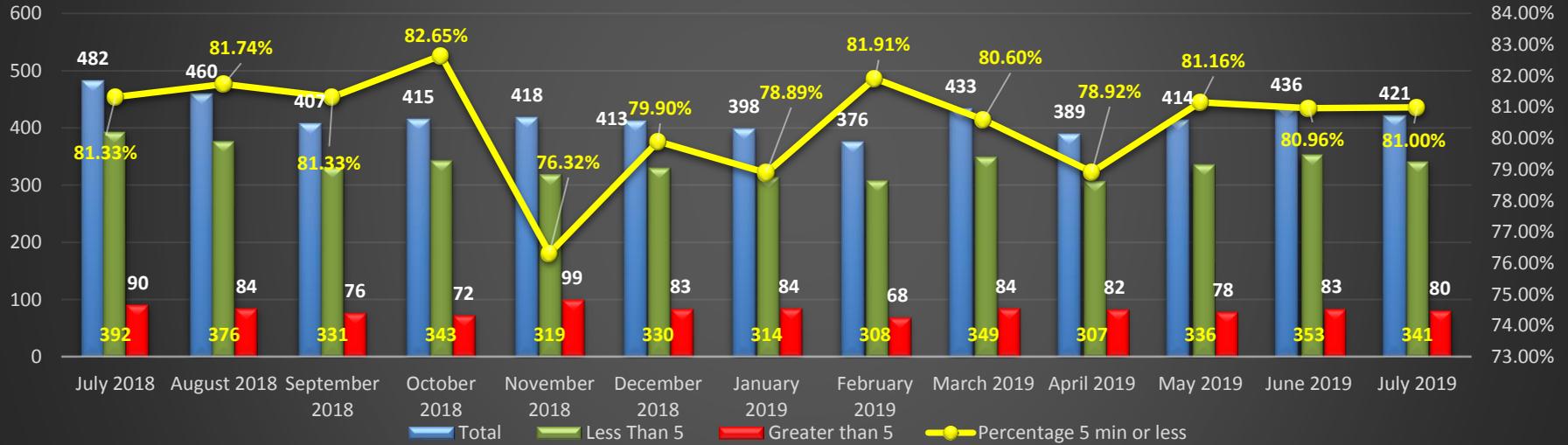
Current Period:
07/01/2019 - 07/31/2019



HFD Strategic Priorities:
Provide Quality Emergency Services

Performance Target: Arrival of 5 minutes or less for First Responder calls - National Standard 1710 is at 90%.

First EMS Response Tour D



Analysis

➤ Slight improvement by Tour D for EMS response times in the month of July.

Recommendations

Continue to reiterate the importance of compliance.

Impact

➤ Sustainment of efficient EMS delivery which allows us as a department to have a positive impact on patient survivability.

COMMUNITY RISK REDUCTION – **FIRE MARSHAL OFFICE**



"Goal Oriented, Results Driven"

Performance Scorecard

Community Risk Reduction Division -FM



Operational Performance Measure: Efficient Deployment of resources to support code enforcement and fire prevention initiatives that reduce avoidable incidents.

HFD Strategic Priorities:
Provide Quality Code enforcement

Performance Target – Risk in the community are minimized through a proactive code enforcement and public education program, respectively.

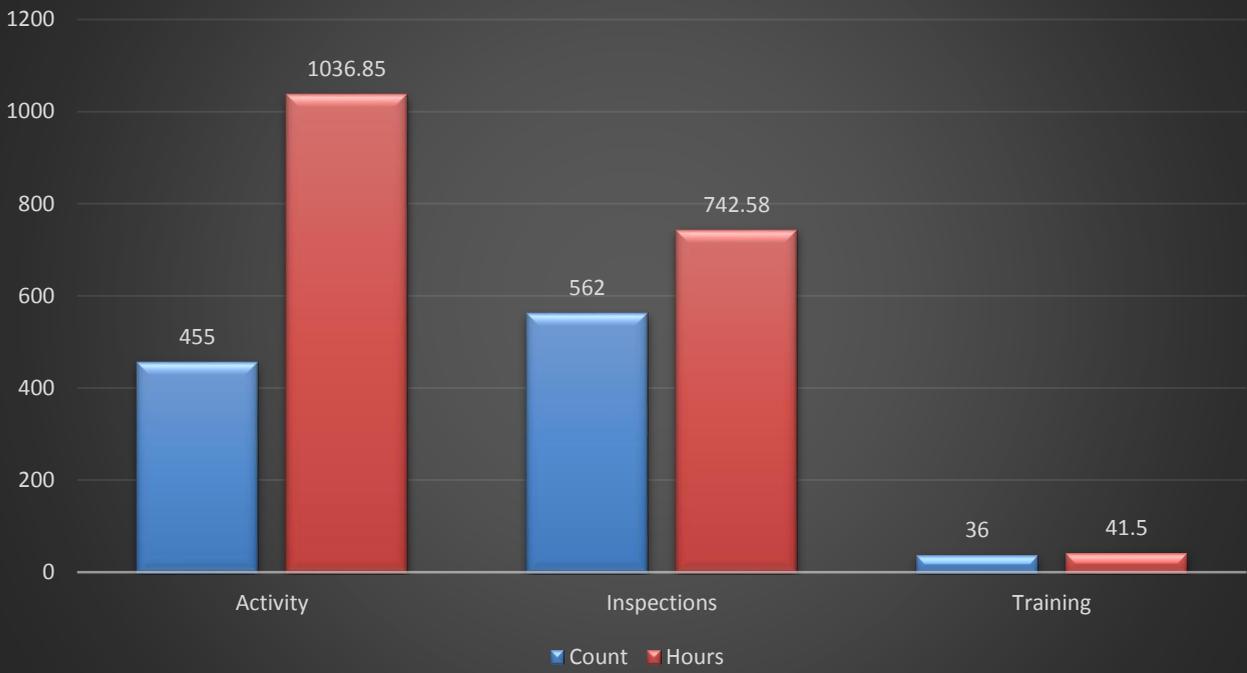
Data Source: HFD Firehouse Software

Current Period: 07/01/2019 - 07/31/2019

HISTORICAL ANALYSIS

Reporting Period	Violations		
	Violations Found	Violations Cleared	
01/19	560	369	
02/19	210	142	
03/19	418	565	
04/19	320	369	
05/19	249	325	
06/19	154	426	
07/19	480	193	

Fire Marshal Office



Attendance

Total Hours Working:	1820.93	Off Duty:	690
Total Hours on Duty	2130	Percentage Account For:	85.49%

Recommendations

✓ Why is the percentage of time accounted for only 85%?

Impact

▪ Reduction of risks in the community as it pertains to our external stakeholders.

Performance Scorecard

Community Risk Reduction Division -FM

Operational Performance Measure: Decrease avoidable incidents within the City of Hartford.

Data Source:
Firehouse Software

Current Period:
07/01/2019 - 07/31/2019

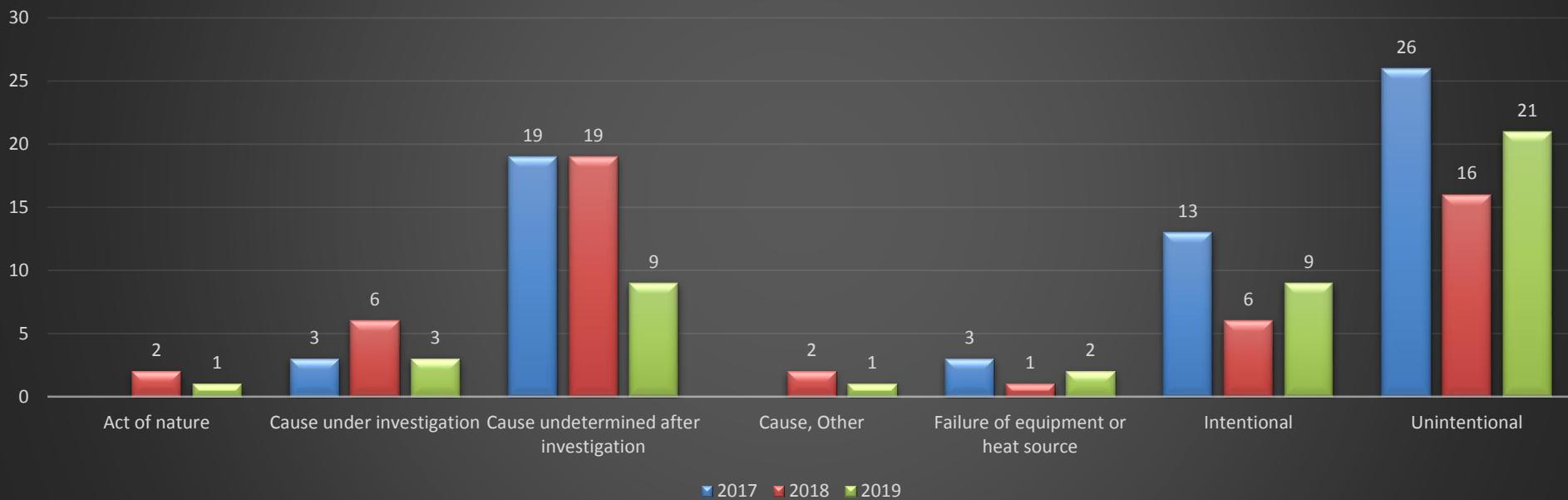


HFD Strategic Priorities:

Provide Quality Code Enforcement, Public Education, & Community Engagement

Performance Target – Show a 30% decrease in fires by end of FY2019.

Cause of Fire Month of July



Analysis

➤ Intentionally set fires are up when compared to same month in 2018 but down when compared to same month in 2017. Unintentional fires are also up when compared to 2018 and down when compared to 2017.

Recommendations

✓ Assess effectiveness of community risk reduction program.

Impact

- Minimization of conflagrations in all parts of the city that are adversely impacted.

COMMUNITY RISK REDUCTION – SPECIAL SERVICES UNIT



"Goal Oriented, Results Driven"

Performance Scorecard

Community Risk Reduction Division -SSU

Operational Performance Measure: Decrease avoidable incidents within the City of Hartford.



HFD Strategic Priorities:
Provide Public Education, & Community Engagement

Performance Target – Reduction in Residential Structure Fires by 20% by 1st Quarter 2019.

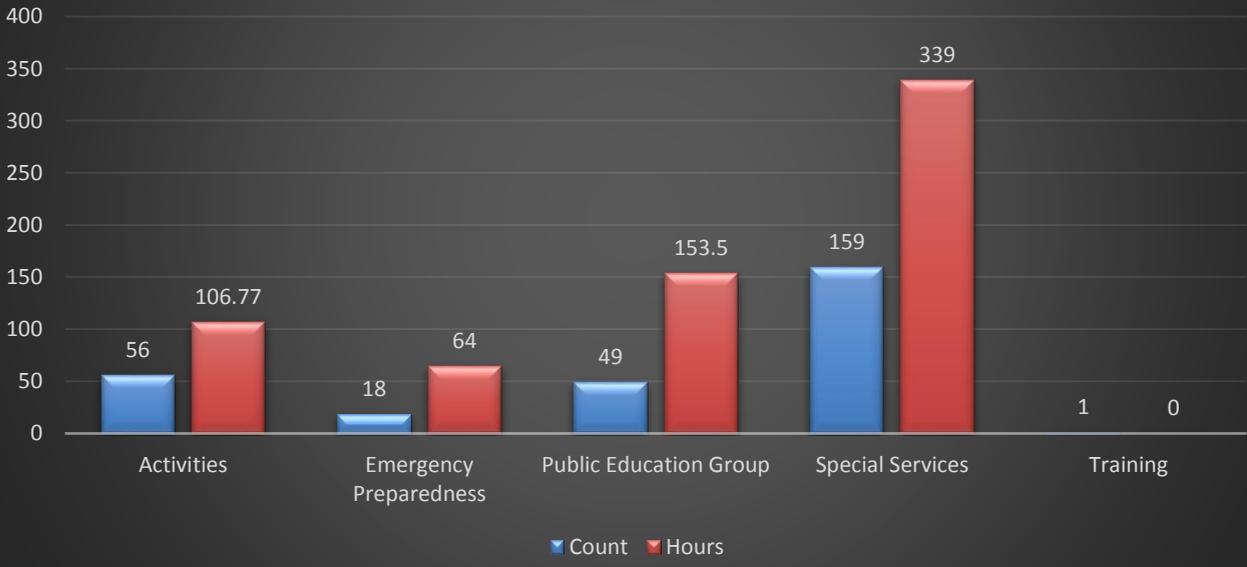
Data Source: HFD Firehouse Software

Current Period: 07/01/2019 - 07/31/2019

HISTORICAL ANALYSIS

Reporting Period	05/19	06/19	07/19
Total Activities	343	320	283
Total Adults	4,850	4,104	4,494
Total Children	3,640	2,713	901
Smoke Detector	7	4	5
Car Seats	4	3	3

Special Services 4,297 Water Bottles



Attendance

Total Hours Working:	663.27	Off Duty:	80
Total Hours on Duty:	658.5	Percentage Account For:	100.72%

Recommendations

Outstanding work, SSU!

Impact

Community is receiving adequate public fire & life safety education. Partnership with FMO has to be enhanced.

TRAINING DIVISION



"Goal Oriented, Results Driven"

Performance Scorecard

Training Division

Operational Performance Measure: Internal / External Stakeholder Engagement – Increase public /personnel awareness about the City of Hartford Fire Department.



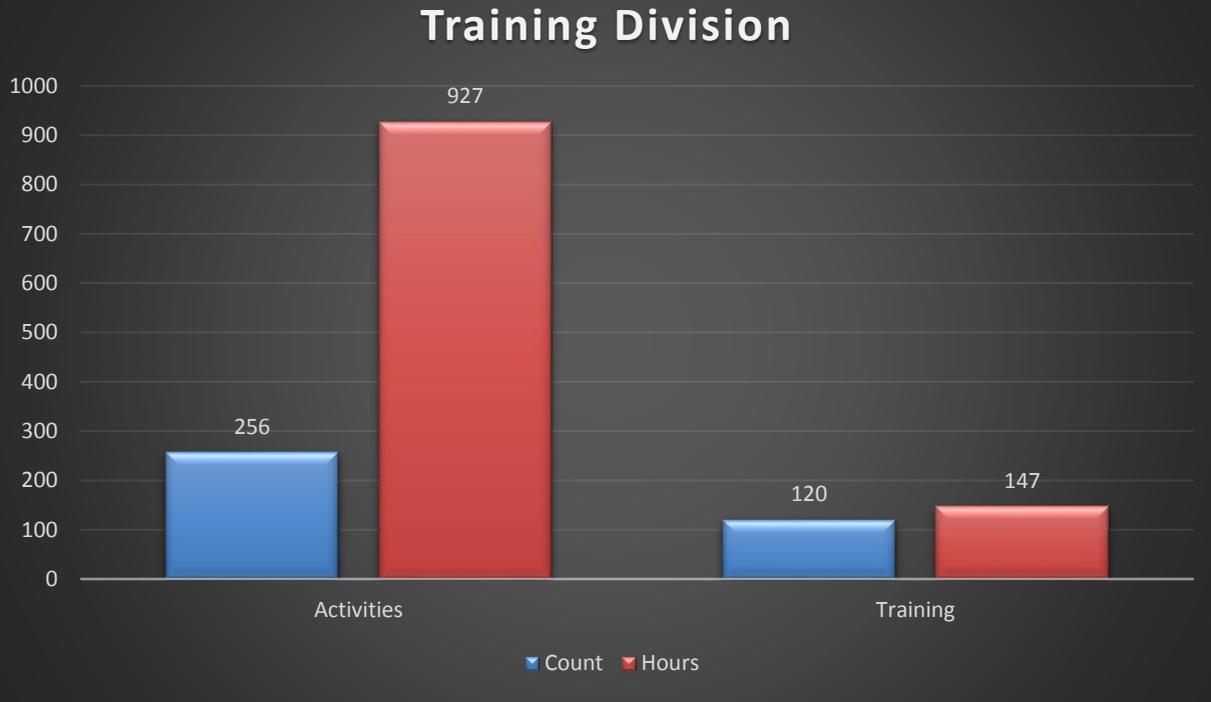
HFD Strategic Priorities:
Provide Mandated Training to Hartford Fire Department Personnel

Performance Target – Adequately train members of the HFD in proficiency topics that assist with sharpening knowledge, skills, and abilities.

Data Source: HFD Firehouse Software

Current Period: 07/01/2019 – 07/31/2019

HISTORICAL ANALYSIS



Attendance

Total Working Hours:	1074	Total Hours Off:	390
Total Hours on Duty:	1162	Hours Accounted For:	92.43%

Recommendations

Excellent work by our Training Division.

Impact

- Workforce that is compliant with ISO and CONOSHA requirements.

EQUIPMENT MAINTENANCE DIVISION



"Goal Oriented, Results Driven"

Performance Scorecard

Equipment Maintenance Division

Operational Performance Measure: Internal / External Stakeholder Engagement – Increase public /personnel awareness about the City of Hartford Fire Department.



HFD Strategic Priorities:
Provide Quality & Timely Equipment Maintenance to All Apparatus/Equipment

Performance Target – Respond in a timely manner when sequestered by ESD/Support Services.

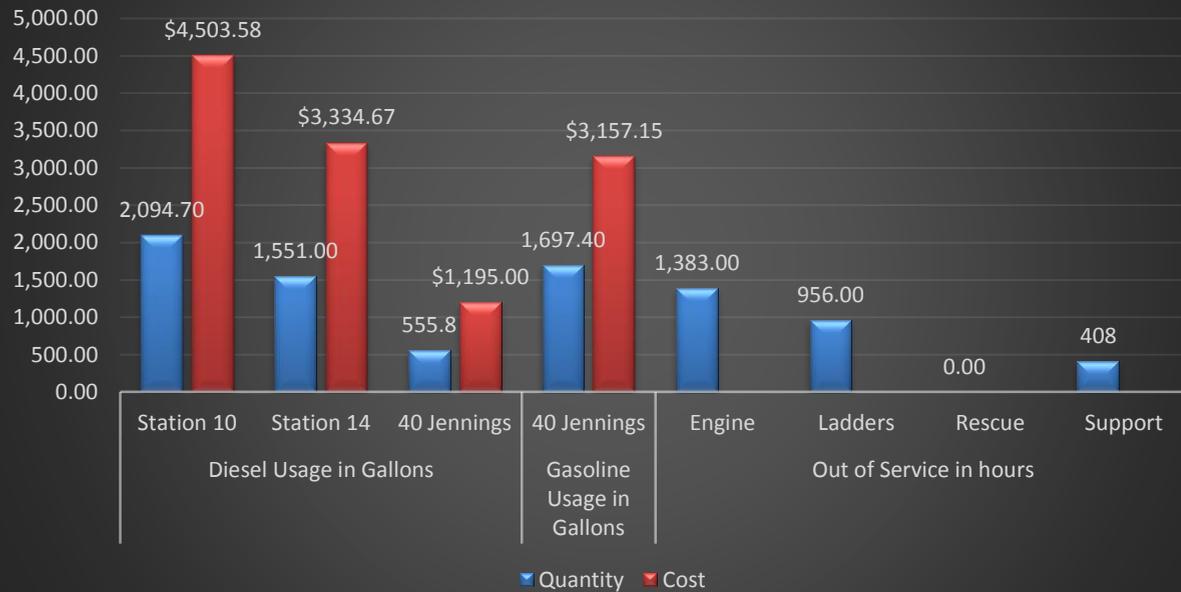
Data Source: HFD Firehouse Software

Current Period: 07/01/2019 – 07/31/2019

HISTORICAL ANALYSIS

Reporting Period				
	Hose Testing	Aerial Testing	Ground Ladder Testing	Fit Test
03/19	0	0	0	398
04/19	0	0	10	0
05/19	0	0	2	2
06/19	0	0	0	0
07/19	0	4	0	0

Equipment Maintenance Division



Attendance

Total Working Hours:	1143.5	Total Hours Off:	200
Total Hours on Duty:	1192	Hours Accounted For:	95.93%

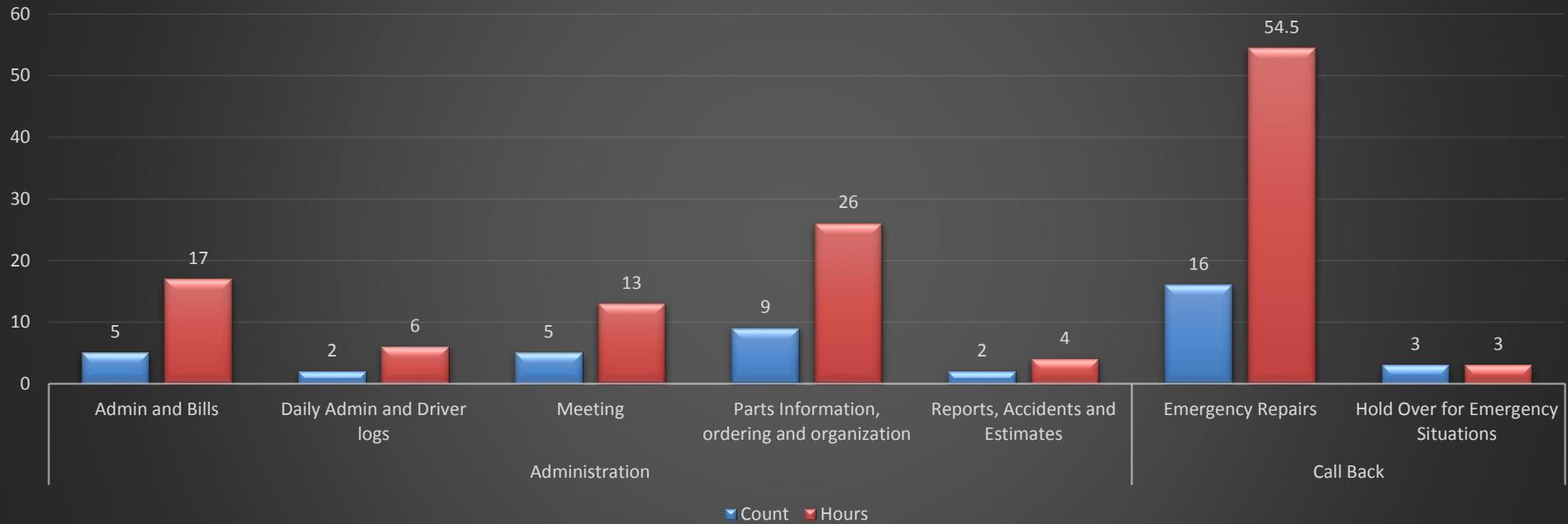
Recommendations

- Outstanding work
- What contributed to the roughly 1,400 out of service hours for the Pumpers in the month of July?

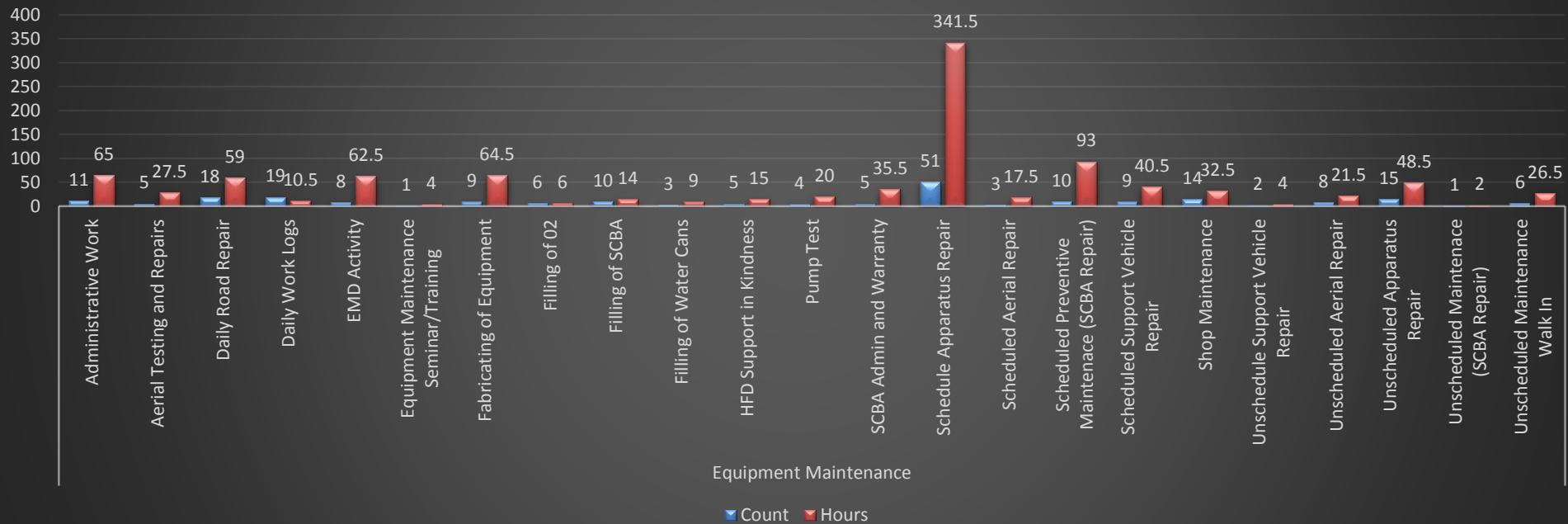
Impact

- Safe repair and maintenance of fire department tools, equipment, and apparatus.

Equipment Maintenance



Equipment Maintenance



F.A.C.T. DIVISION



"Goal Oriented, Results Driven"

Performance Scorecard

F.A.C.T. Division

Operational Performance Measure: Internal / External Stakeholder Engagement – Increase public /personnel awareness about the City of Hartford Fire Department.



HFD Strategic Priorities:
Provide Quality I.T. & Technical Assistance to HFD

Performance Target – Mitigate a diverse portfolio of service calls.

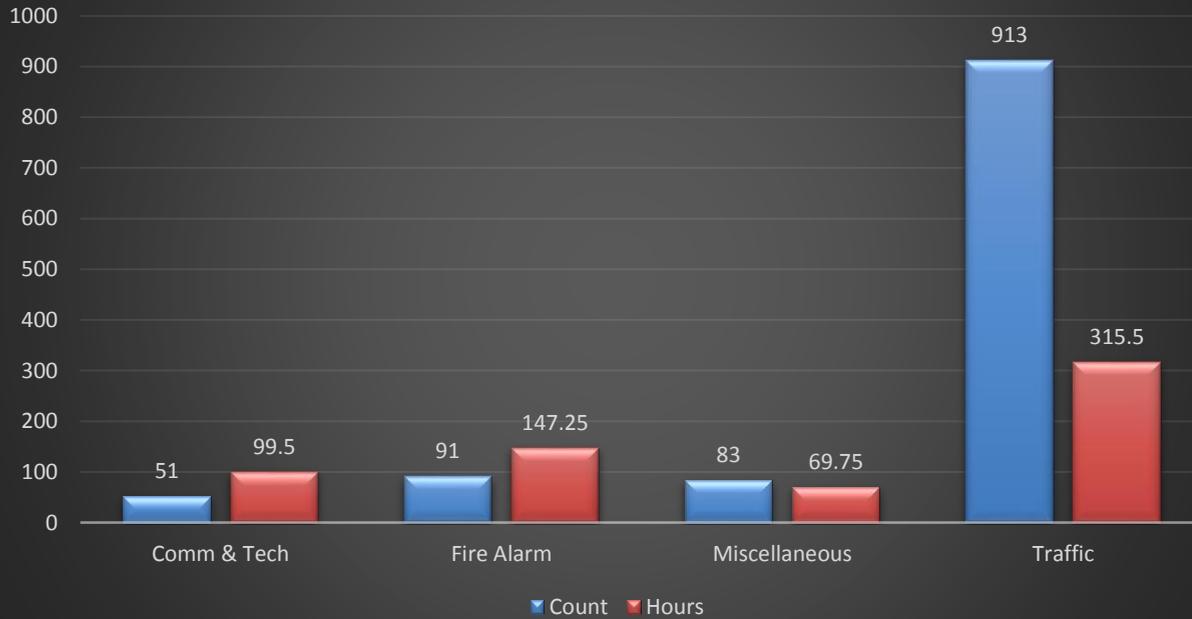
Data Source: HFD Firehouse Software

Current Period: 07/01/2019 – 07/31/2019

HISTORICAL ANALYSIS

Reporting Period	Historical Analysis			
	Traffic	Comm & Tech	Training / Misc	Fire Alarm
02/19	516	68	100	59
03/19	610	82	99	76
04/19	963	57	102	54
05/19	902	56	71	72
06/19	722	69	77	54

Fire Alarm Communications Technology



Attendance

Total Working Hours:	632	Total Hours Off:	160
Total Hours on Duty:	685.75	Hours Accounted For:	92.16%

Recommendations

- ✓ Exceptional work by our FACT Division.

Impact

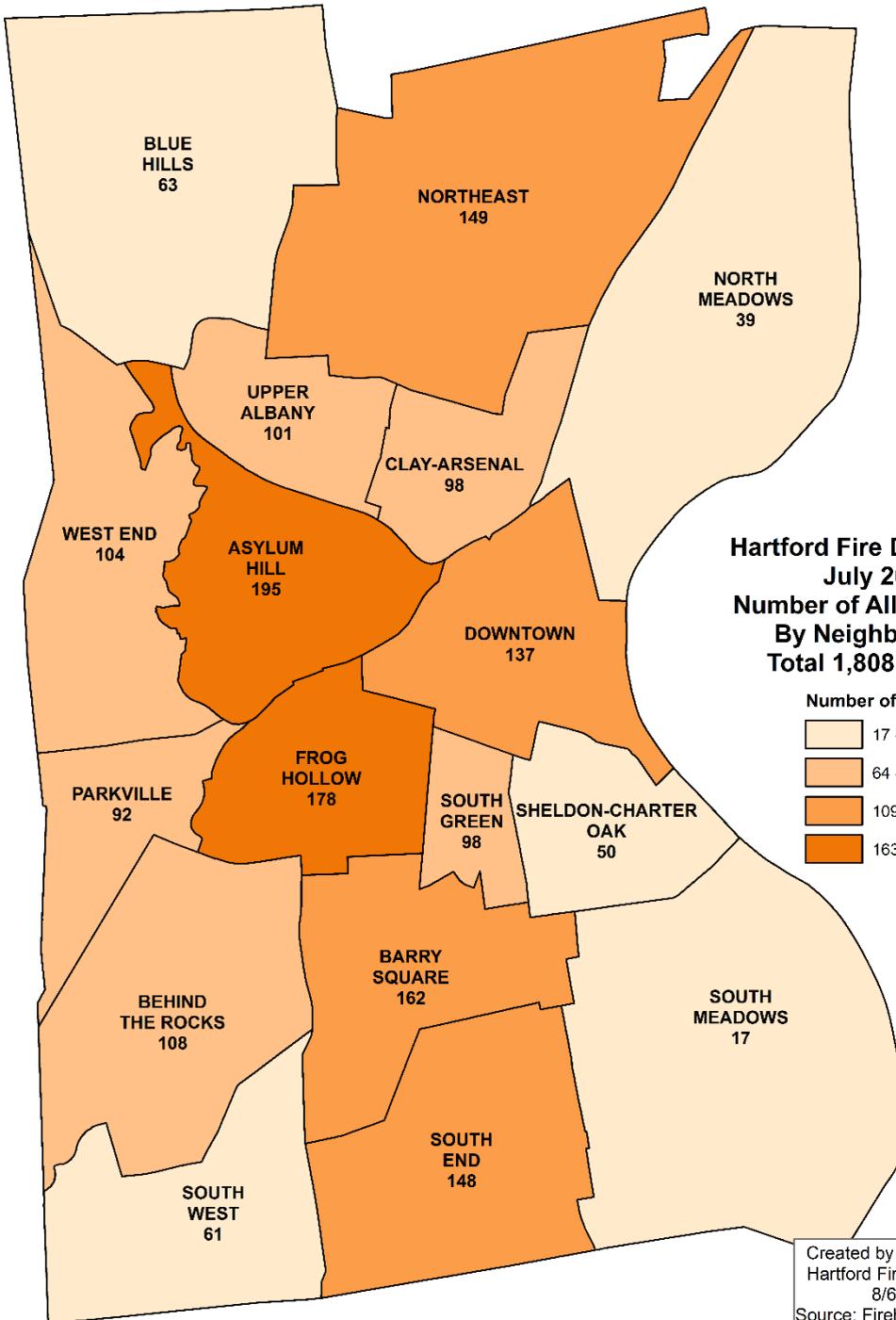
- IS&IT execution of relevant duties and responsibilities.

EMERGENCY RESPONSE DATA



"Goal Oriented, Results Driven"

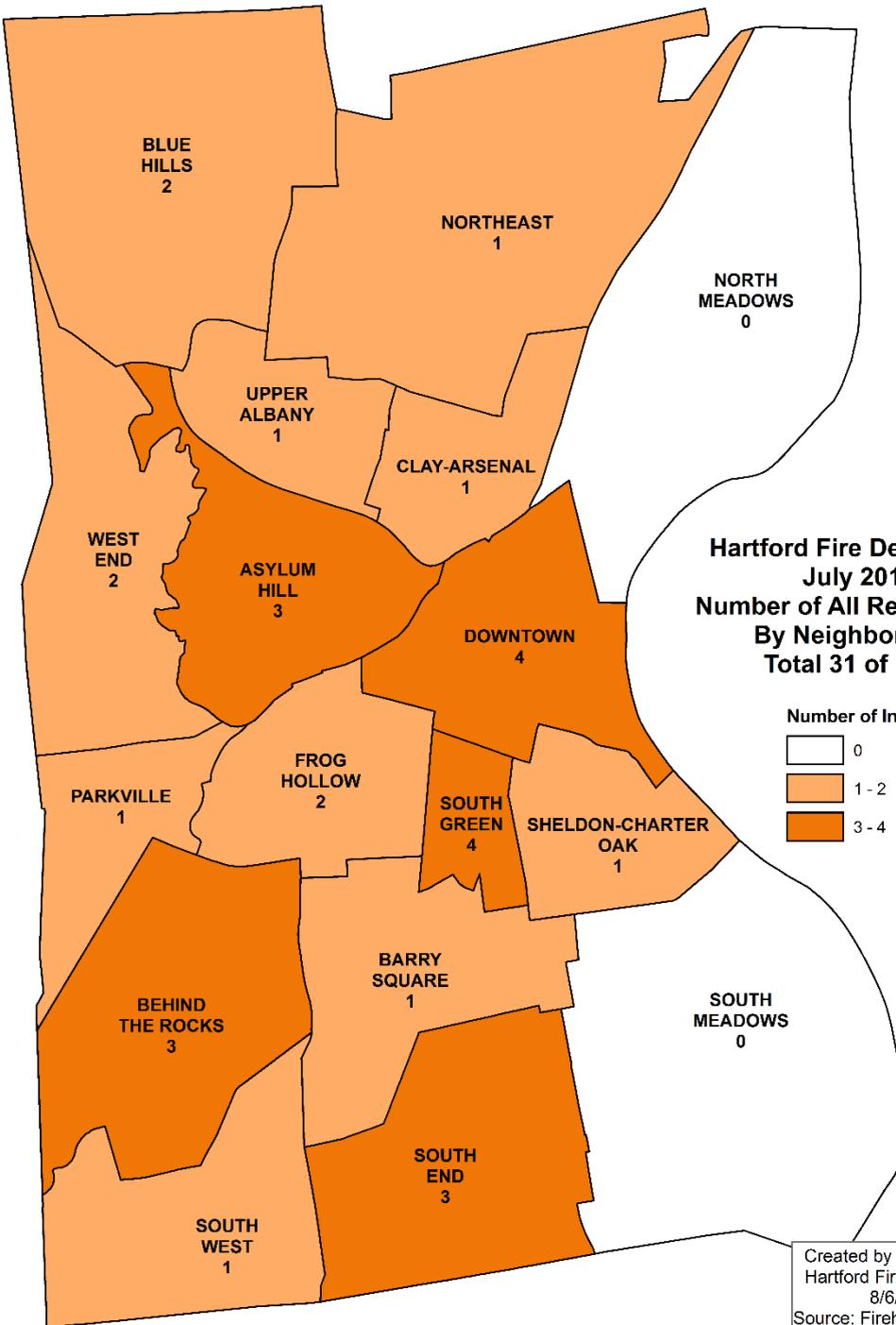
EMS July 2019



Created by Leandro Cieri
Hartford Fire Department
8/6/2019
Source: Firehouse Software
Geocoded 1,800
Not Geocoded: 8

Incident Type	Description	Incident Count
321	EMS call, excluding vehicle accident with injury	1090
311	Medical assist, assist EMS crew	453
322	Motor vehicle accident with injuries	90
324	Motor Vehicle Accident with no injuries	70
300	Rescue, EMS incident, other	56
510	Person in distress, Other	33
323	Motor vehicle/pedestrian accident (MV Ped)	16

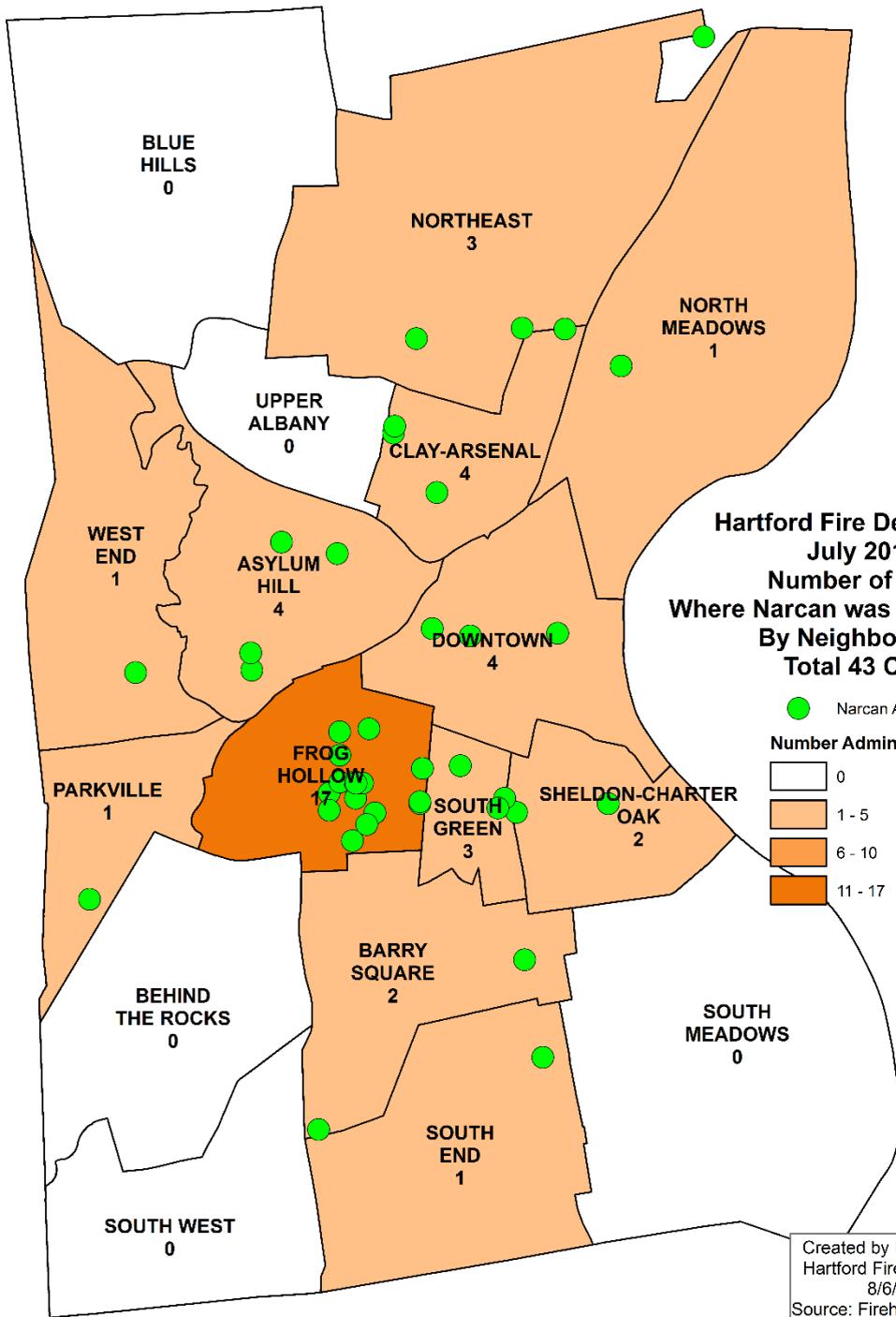
Rescue Calls July 2019



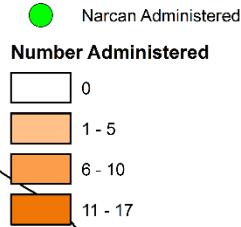
Created by Leandro Cieri
Hartford Fire Department
8/6/2019
Source: Firehouse Software
Geocoded: 30
Not Geocoded: 1

Incident Type	Description	Incident Count
353	Removal of victim(s) from stalled elevator	10
511	Lock-out	9
352	Extrication of victim(s) from vehicle	3
350	Extrication, rescue, Other	3
381	Rescue or EMS standby	1
363	Swift water rescue	1
461	Building or structure weakened or collapsed	1
356	High-angle rescue	1
331	Lock-in (if lock out , use 511)	1
354	Trench/below-grade rescue	1

Narcan Administered July 2019

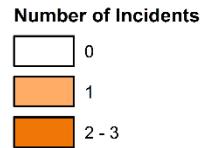
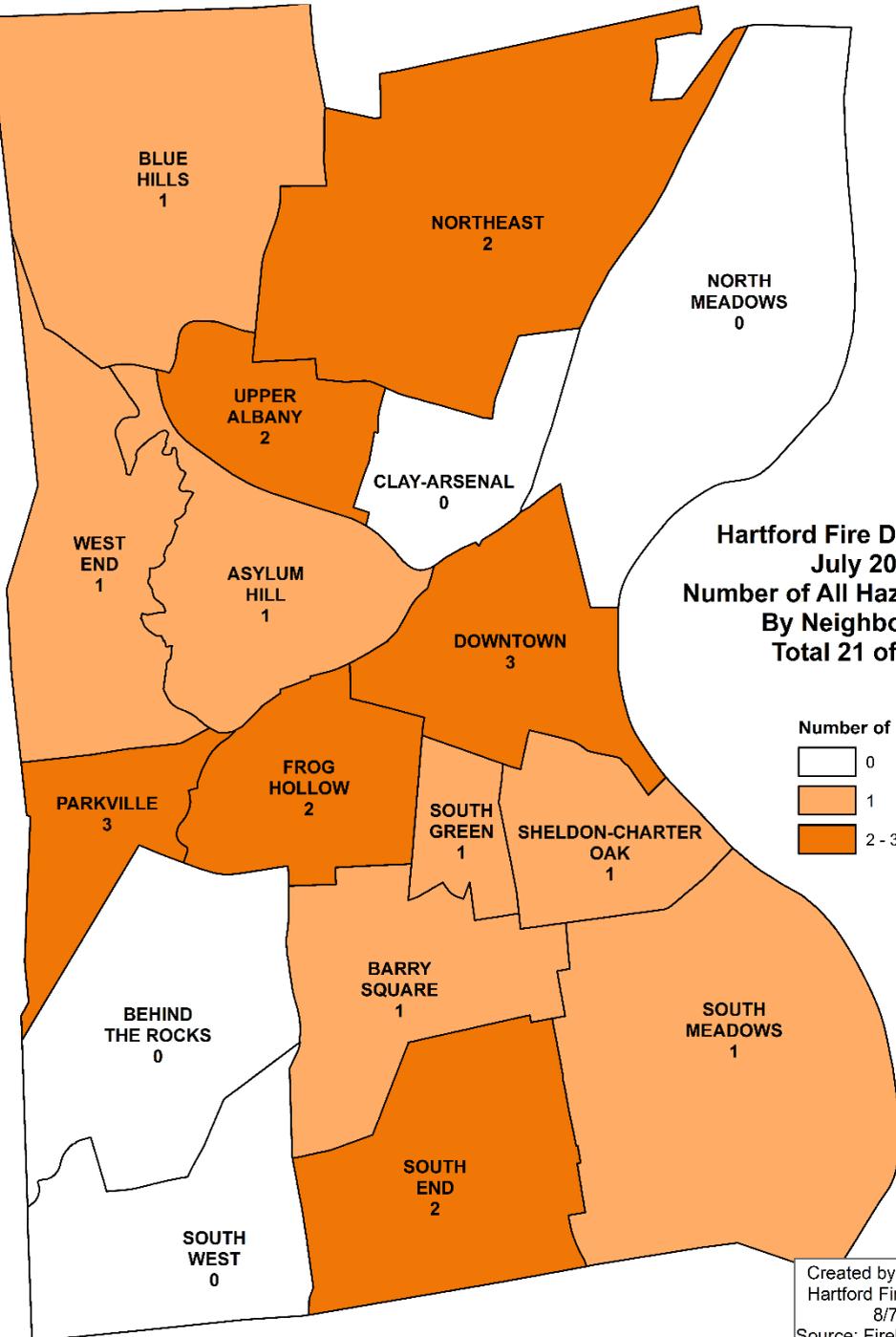


**Hartford Fire Department
July 2019
Number of Calls
Where Narcan was Administered
By Neighborhood
Total 43 Calls**



Created by Leandro Cieri
Hartford Fire Department
8/6/2019
Source: Firehouse Software
Geocoded: 43
Not Geocoded: 0

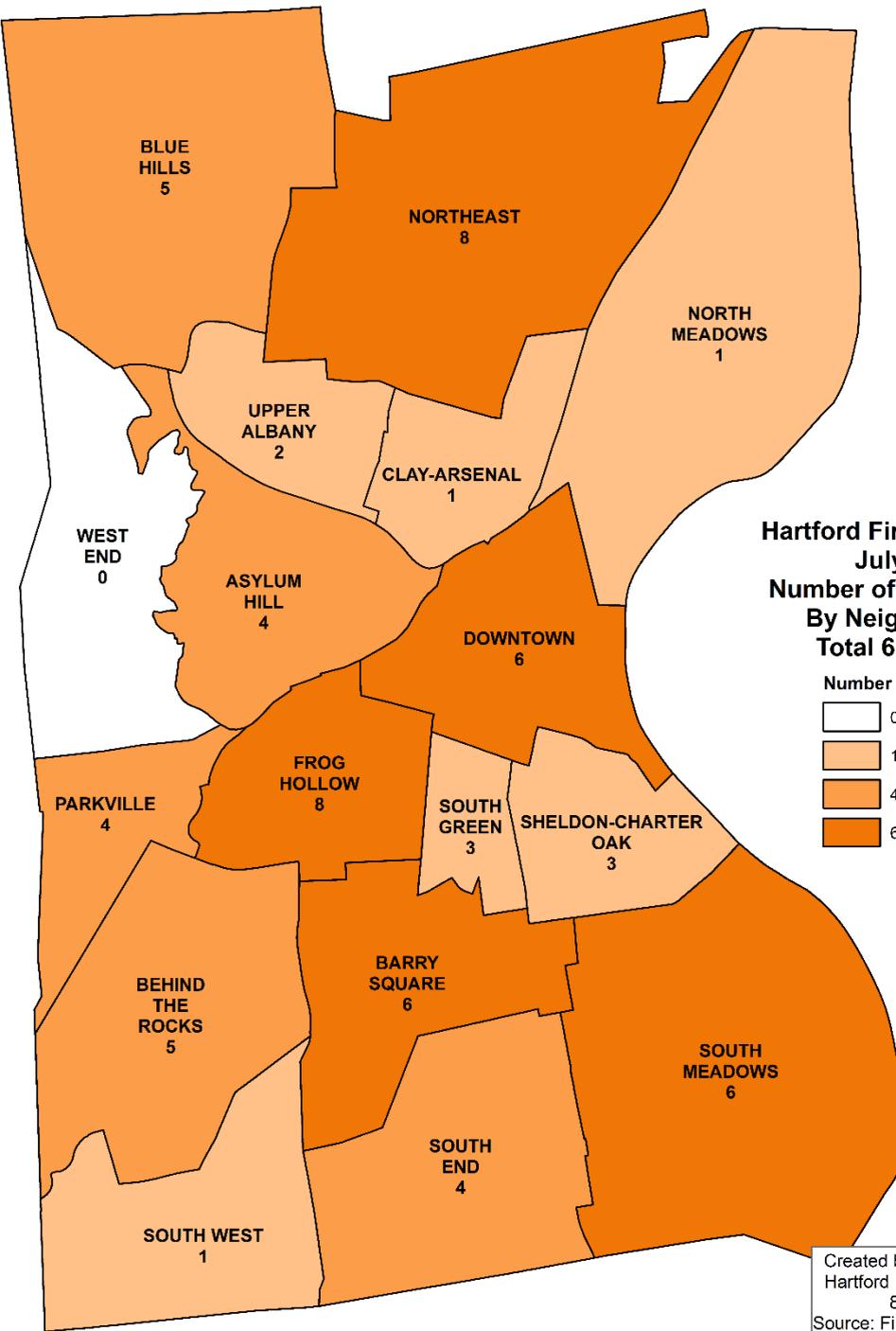
Hazardous Materials July 2019



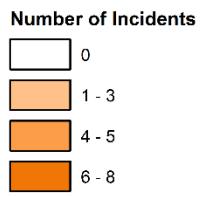
Incident Type	Description	Incident Count
412	Gas leak (natural gas or LPG)	6
411	Gasoline or other flammable liquid spill	5
400	Hazardous condition, Other	4
463	Vehicle accident, general cleanup	2
410	Combustible/flammable gas/liquid condition, other	2
460	Accident, potential accident, Other	1
424	Carbon monoxide incident	1

Created by Leandro Cieri
Hartford Fire Department
8/7/2019
Source: Firehouse Software
Geocoded: 21
Not Geocoded: 0

All Fires July 2019



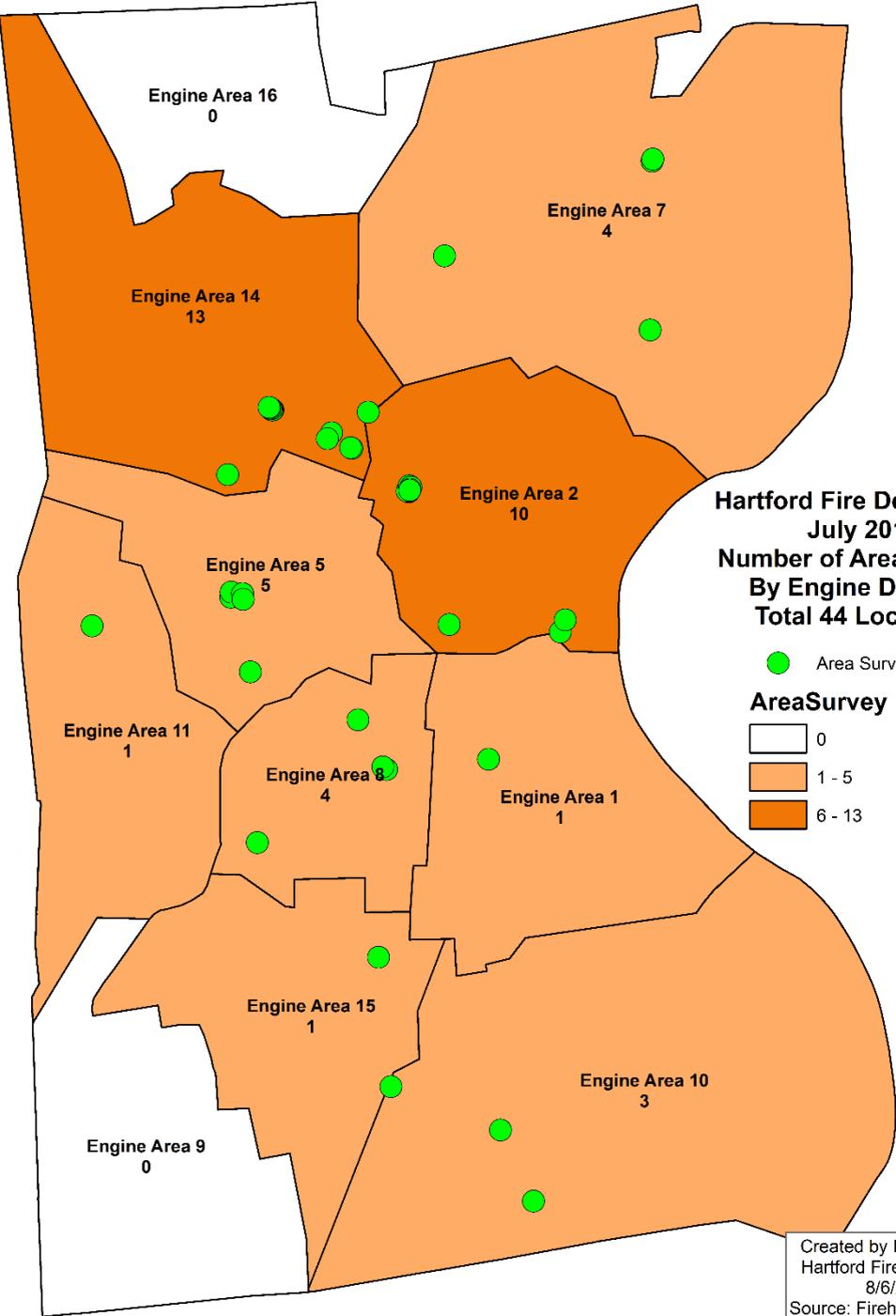
**Hartford Fire Department
July 2019
Number of All Fire Calls
By Neighborhood
Total 68 of Calls**



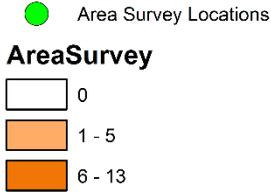
Created by Leandro Cieri
Hartford Fire Department
8/6/2019
Source: Firehouse Software
Geocoded: 67
Not Geocoded: 1

Incident Type	Description	Incident Count
151	Outside rubbish, trash or waste fire	16
111	Building fire	10
131	Passenger vehicle fire	9
142	Brush or brush-and-grass mixture fire	7
150	Outside rubbish fire, Other	6
130	Mobile property (vehicle) fire, Other	4
140	Natural vegetation fire, Other	4
154	Dumpster or other outside trash receptacle fire	3
100	Fire, Other	2
113	Cooking fire, confined to container	2
160	Special outside fire, Other	1
112	Fires in structure other than in a building	1
118	Trash or rubbish fire, contained	1
143	Grass fire	1
132	Road freight or transport vehicle fire	1

Area Survey July 2019

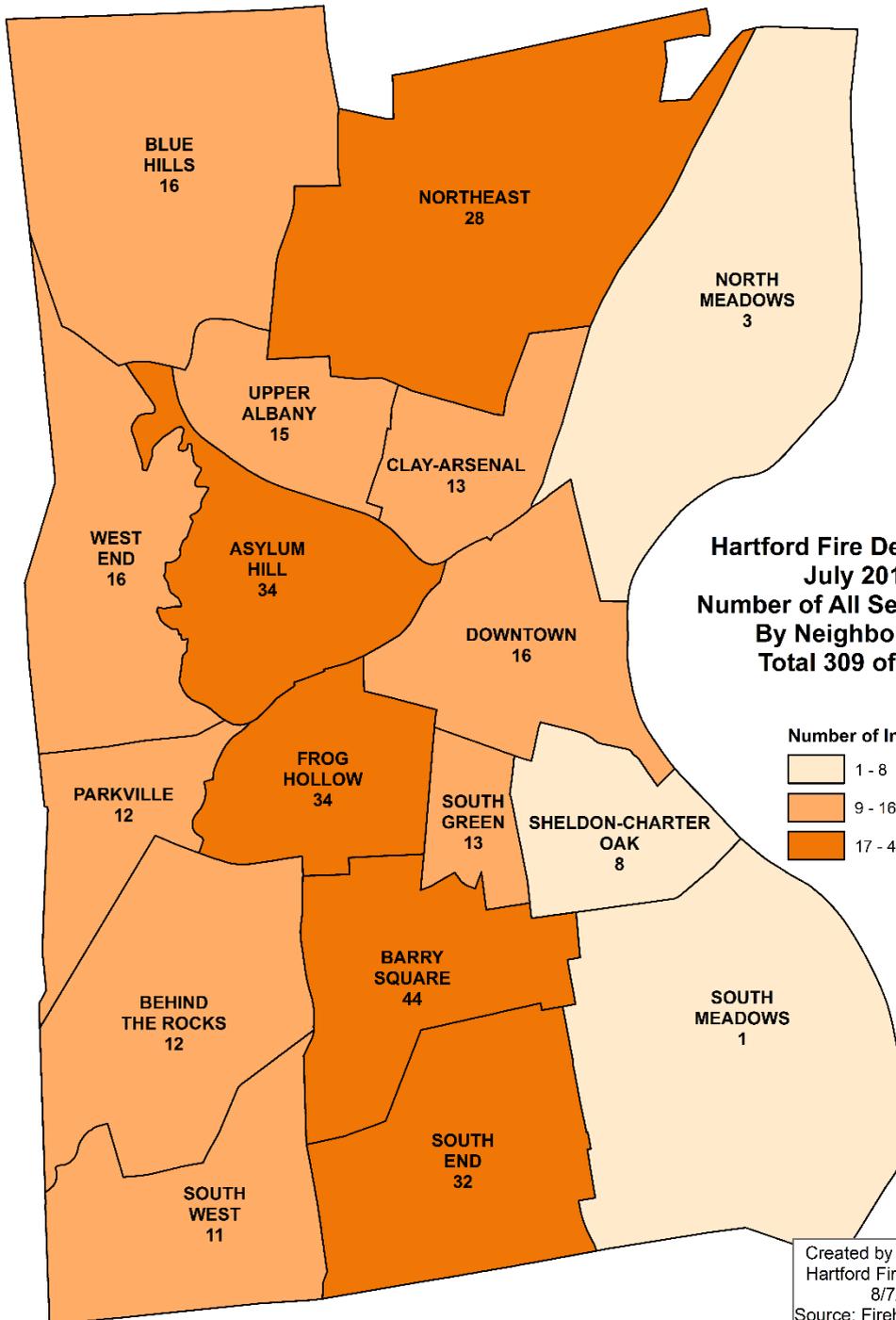


**Hartford Fire Department
July 2019
Number of Area Surveys
By Engine Districts
Total 44 Locations**



Created by Leandro Cieri
Hartford Fire Department
8/6/2019
Source: Firehouse Software
Geocoded: 42
Not Geocoded: 2

Service Calls July 2019

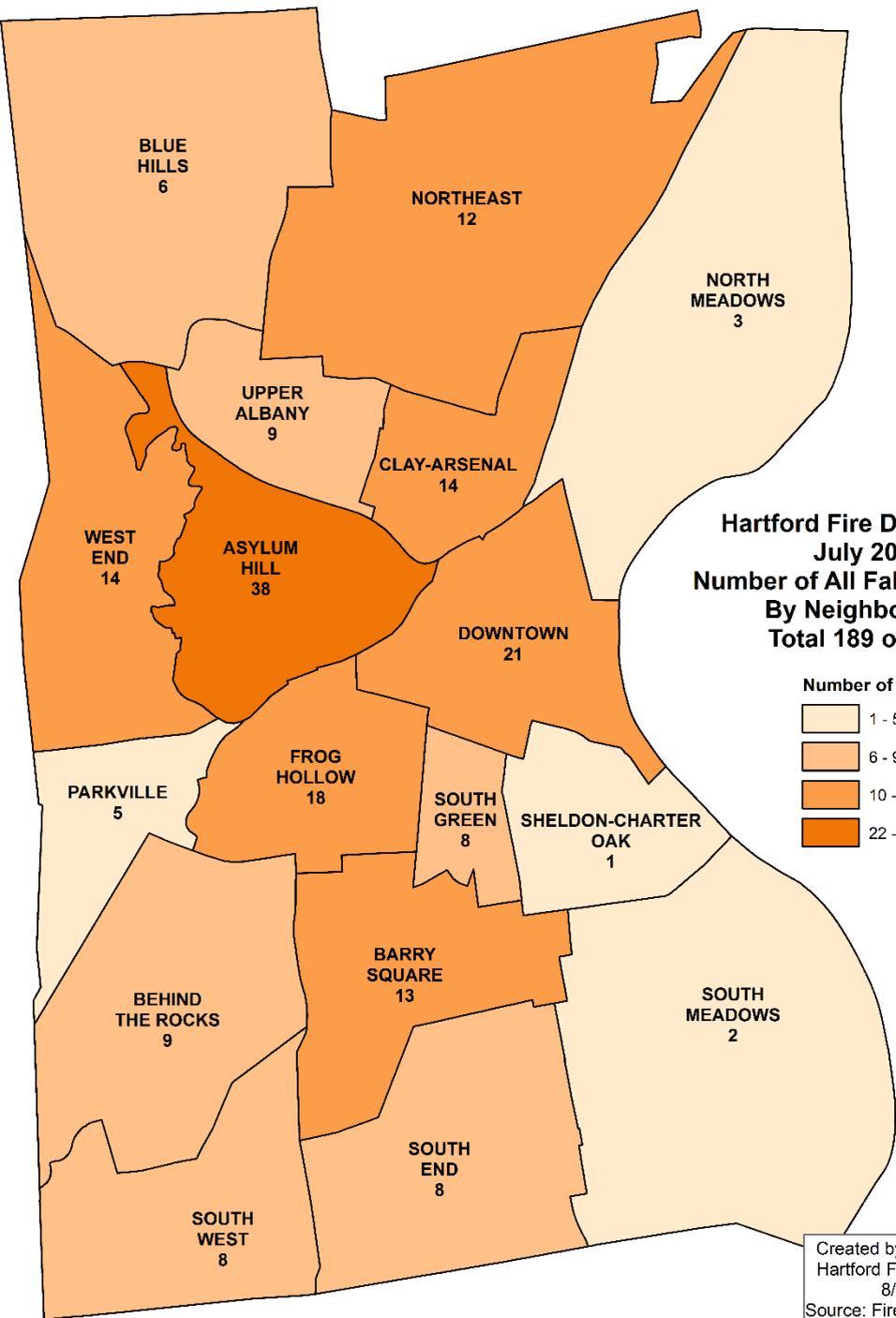


Created by Leandro Cieri
Hartford Fire Department
8/7/2019
Source: Firehouse Software
Geocoded: 308
Not Geocoded: 1

Incident Type	Description	Incident Count
500	Service Call, other	99
552	Police matter	86
531	Smoke or odor removal	28
520	Water problem, Other	26
553	Public service	19
444	Power line down	15
550	Public service assistance, Other	11
440	Electrical wiring/equipment problem, Other	8
551	Assist police or other governmental agency	5
561	Unauthorized burning	3
445	Arcing, shorted electrical equipment	3
554	Assist invalid	2
442	Overheated motor	1
542	Animal rescue	1
441	Heat from short circuit (wiring), defective/worn	1
522	Water or steam leak	1

Fire Alarms

July 2019

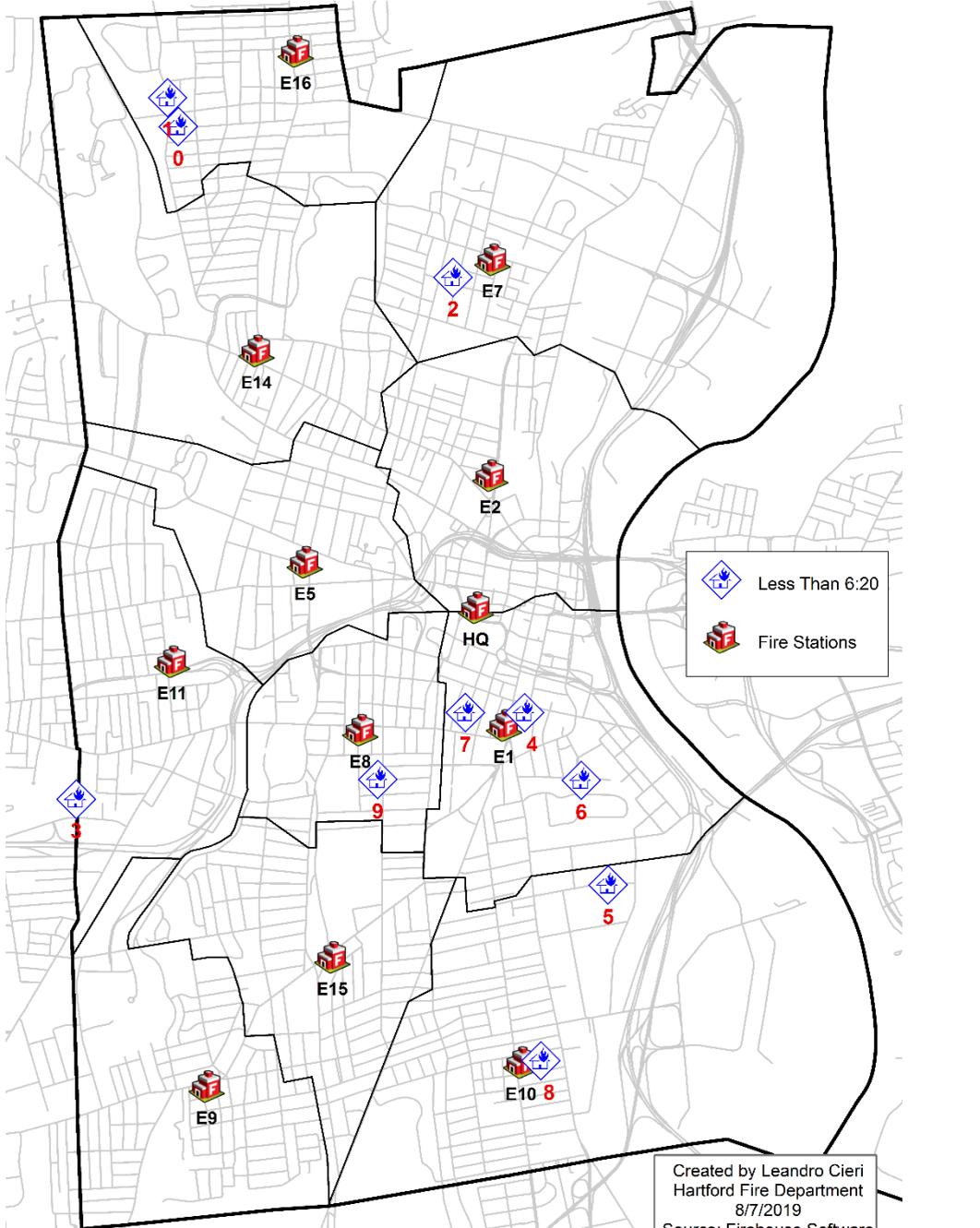


Created by Leandro Cieri
 Hartford Fire Department
 8/7/2019
 Source: Firehouse Software
 Geocoded: 189
 Not Geocoded: 0

Incident Type	Description	Incident Count
745	Alarm system activation, no fire - unintentional	41
743	Smoke detector activation, no fire - unintentional	39
740	Unintentional transmission of alarm, Other	22
710	Malicious, mischievous false call, Other	20
735	Alarm system sounded due to malfunction	20
730	System malfunction, Other	18
733	Smoke detector activation due to malfunction	8
715	Local alarm system, malicious false alarm	4
731	Sprinkler activation due to malfunction	3
744	Detector activation, no fire - unintentional	3
714	Central station, malicious false alarm	3
700	False alarm or false call, Other	3
736	CO detector activation due to malfunction	2
734	Heat detector activation due to malfunction	1
741	Sprinkler activation, no fire - unintentional	1
712	Direct tie to FD, malicious false alarm	1

Location of Structure Fires In Relationship to Fire Stations

Key	Incident Number	Response	Firefighter Fatality	Firefighter Injury	Civilian Fatality	Civilians Injured	Cause
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0	19-0187088	0:02:56	0	0	0	0	Heat from powered equipment, Other
1	19-0192078	0:04:46	0	0	0	0	Heat from powered equipment, Other
2	19-0193006	0:04:05	0	0	0	0	Hot or smoldering object, Other
3	19-0196072	0:05:13	0	0	0	0	Undetermined
4	19-0198001	0:04:19	0	0	0	0	Cigarette
5	19-0199011	0:04:52	0	1	0	0	Radiated heat from another fire
6	19-0202052	0:04:38	0	0	0	0	Radiated, conducted heat from operating equipment
7	19-0203031	0:03:37	0	0	0	0	Hot or smoldering object, Other
8	19-0209036	0:03:36	0	0	0	0	Hot or smoldering object, Other
9	19-0211043	0:04:55	0	0	0 <td 0	Cigarette	

QUESTIONS/COMMENTS



"Goal Oriented, Results Driven"