

# LANCASTER



# FIRE DEPARTMENT



## 2020 Annual Report

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## MISSION STATEMENT

We, the members of Lancaster Fire Department, are committed to our community by providing excellence in emergency response services. We recognize our role and will continue the tradition of protecting and enhancing the quality of life for our citizens, and our visitors, with a focused commitment to provide well trained, highly motivated, and properly equipped personnel.

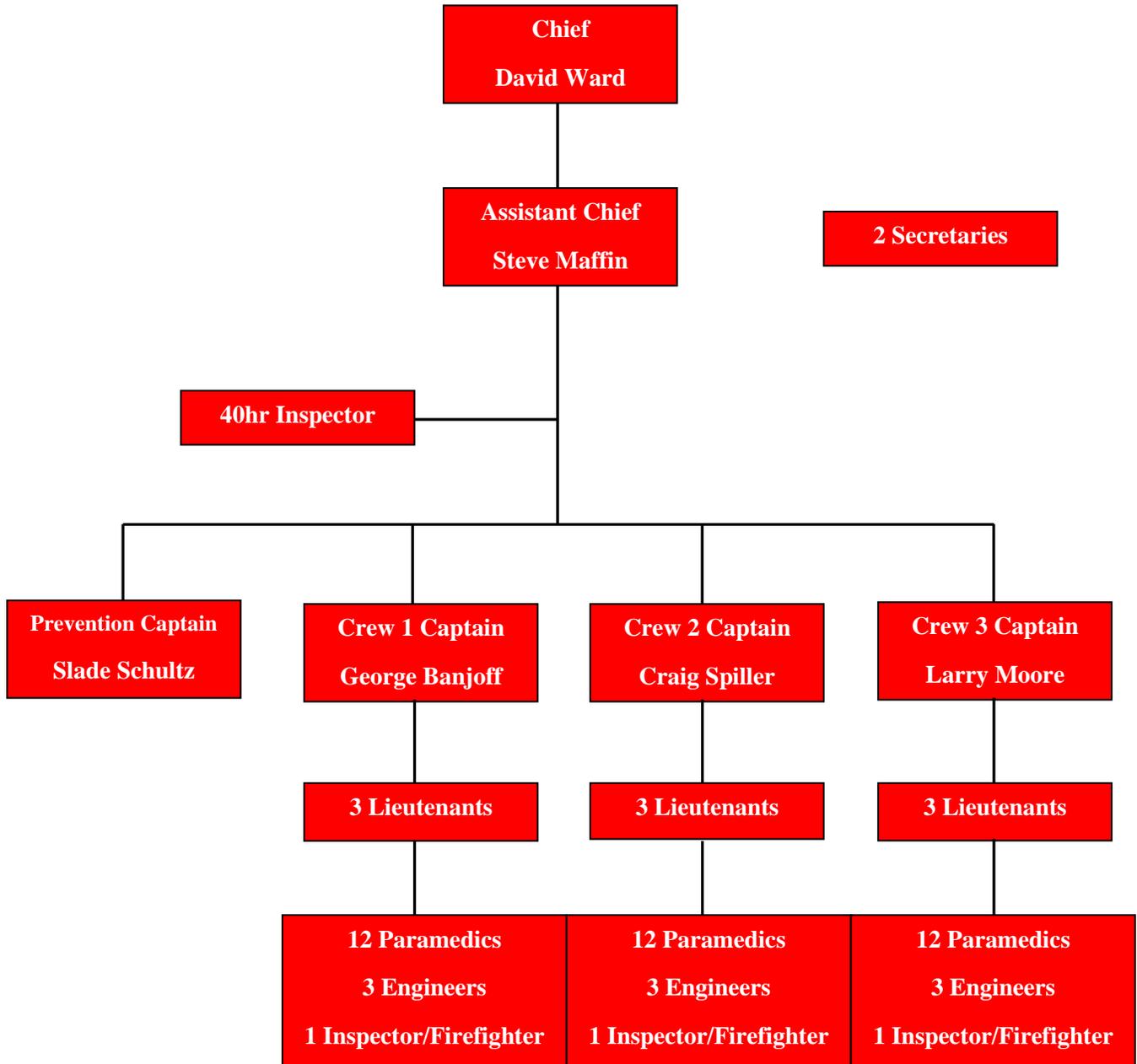
## VISION STATEMENT

The Lancaster Fire Department aims to be the premier all-hazards emergency response department in south central Ohio. Through integrity, professional development, stewardship and compassion, our department will be set on a predictable and sustainable course for the future.

## VALUES STATEMENT

1. We recognize the citizens are the reason for our presence.
2. We value the trust the citizens place in us and we will continually strive to build upon trust by having a positive attitude, professional conduct and providing value added service.
3. We value lives more than property.
4. Everyone deserves our best.

# Fire Department Organizational Chart



# Fire Department Real Estate



## **Engine House #1**

*Constructed: 1898*

**254 E. Chestnut St.**

**Frontline Apparatus:** Tower 1,  
Medic 1, CV1, EMS1



## **Engine House #2**

*Constructed: 1957*

**601 Harrison Ave.**

**Frontline Apparatus:** Engine 2,  
Medic 2, Grass 508



## **Engine House #3**

*Constructed: 1967*

**1596 E. Main St.**

**Frontline Apparatus:** Engine 3,  
Medic 3, FP1

**Houses Administration and  
Prevention/Investigation**

# Fire Department Mobile Property

## *Frontline Apparatus*



### **Engine House #1**

**Tower 1:** 2006 Sutphin SPH 100'

**Medic 1:** 2016 Horton

**CV1:** 2018 Ford Explorer

**EMS1:** 2008 Chevy Tahoe



### **Engine House #2**

**Engine 2:** 2019 Rosenbauer

**Medic 2:** 2019 Horton

**Grass 508:** 1973 Chevrolet



### **Engine House #3**

**Engine 3:** 2013 Rosenbauer

**Medic 3:** 2013 Horton

**FP1:** 2012 Ford Escape

# Fire Department Mobile Property

## *Reserve/Staff Equipment*

### EQUIPMENT

### CONDITION

1994 Scotty Safety House	Fair
2002 Dodge Ram – Station Truck	Poor
2002 Ford Excursion – Staff Car	Poor
2008 Horton Medic	Fair
2010 Horton Medic	Fair
2012 Rosenbauer Engine	Good
2014 Ford Escape (2) – Chief’s Cars	Excellent
2019 Ford Explorer	Excellent

## 2020

# Fuel Consumption

Diesel Fuel (in gallons)

Gasoline (in gallons)

14,405.50

2,236.4

# Fire Department Staffing

## Frontline Staff:

The Lancaster Fire Department' frontline response vehicles are staffed with a **minimum of 16** personnel 24 hours a day, 7 days a week, 365 days a year. Below is the minimal staffing model for 2019.

### Engine House #1

**Medic 1/Tower 1:** Cross-staffed with three (3) personnel

**CV1:** Staffed by the Shift Captain

### Engine House #2

**Medic 2:** Staffed with three (3) personnel

**Engine 2/Grass 508:** Staffed with three (3) personnel

### Engine House #3

**Medic 3:** Staffed with three (3) personnel

**Engine 3:** Staffed with three (3) personnel

**16 MINIMUM**

## Support/Administrative Staff:

The Lancaster Fire Department staffs support vehicles during normal business hours and are available for call in for an emergency.

**FP1:** Vacant

**FP/PIO:** Staffed by the Prevention Captain

**Unit 1:** Staffed by the Chief

**Unit 2:** Staffed by the Assistant Chief

# Fire Department Communications

The Lancaster Fire Department uses a robust, APCO P25 digital and analog communication system which is proprietary to the City of Lancaster. The 911 Dispatch Center is located in the Lancaster Police Department headquarters where communication technicians field 911 calls for service

There are three (3) operational channels the fire department operates on: Dispatch, Fire Ground, and Back Up.

Fire department apparatus are equipped with mobile radios and each on duty member is assigned a portable radio for communications.

Communications on a fire scene are extremely important for firefighters.





# 2020 Total Incidents

In 2019, Lancaster Fire Department changed reporting software to gain a better perspective of the total number of incidents and types of incidents. The incidents are broken down into five (5) categories. These categories correspond with NFIRS (National Fire Incident Reporting System). All incidents are reported to this national database through the State of Ohio Fire Marshal's office.

**Total Incidents: 8,859**

**EMS: 7,721**

**FIRE: 1,138**

**Incident Type Breakdown:**

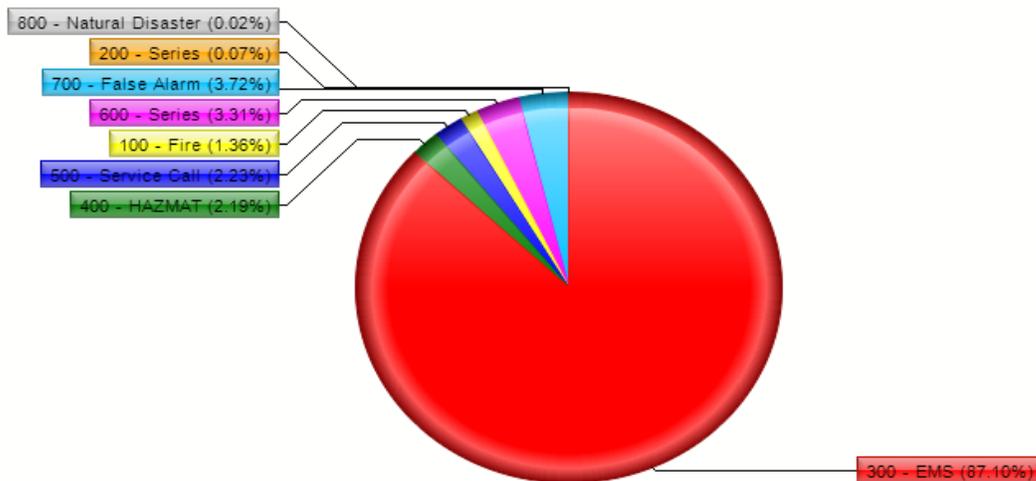
**EMS/Rescue: 7,721**

**Fire: 121**

**Hazard: 489**

**Service Calls: 198**

**False Alarms: 330**



# 2020 Total Incidents by Quarter

## 1<sup>st</sup> Quarter Total: 2257

Fire: 37

EMS: 2009

Hazard: 103

Service Call: 41

False Alarm: 73

## 2<sup>nd</sup> Quarter Total: 2034

Fire: 28

EMS: 1749

Hazard: 135

Service Call: 51

False Alarm: 71

## 3<sup>rd</sup> Quarter Total: 2213

Fire: 32

EMS: 1926

Hazard: 45

Service Call: 47

False Alarm: 96

## 4<sup>th</sup> Quarter Total: 2355

Fire: 30

EMS: 2037

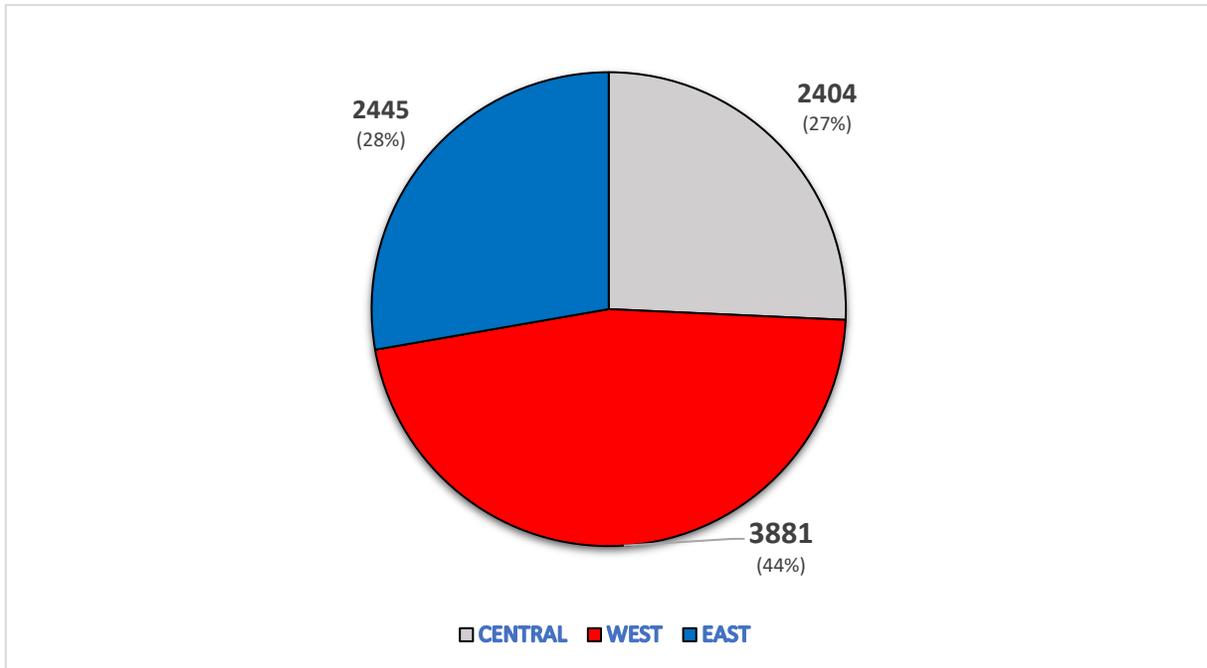
Hazard: 139

Service Call: 59

False Alarm: 90



# 2020 Total Incidents by District



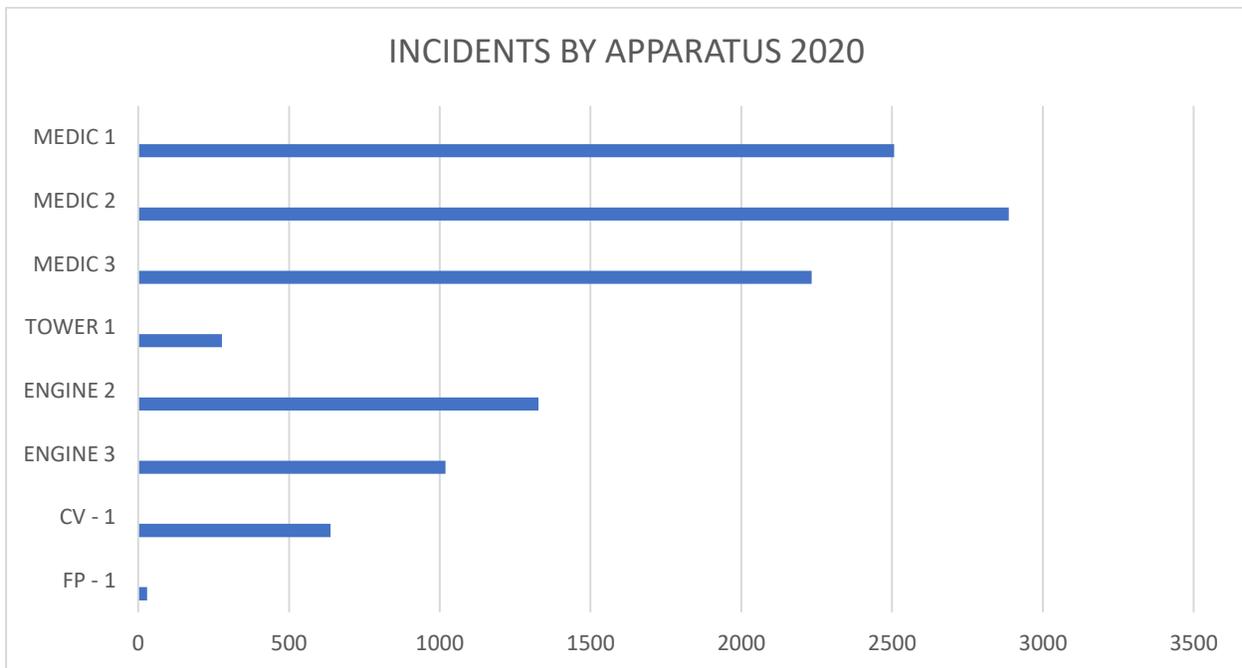
Crew 3 on the scene of a working fire on Beacon Street in March 2020.



# 2020 Incidents by Unit

Below is a bar graph of the number of incidents each unit responded to in 2020. It is important to understand that this number is higher than the total incidents in 2020. This is because many times, more than one unit responds to a single incident. Tower 1 is cross staffed by the same personnel as Medic 1. When one of those units are on an incident, the other is out of service.

*\*FP1 is a support staff unit staffed by one inspector, 7am – 3p, Monday through Saturday. It only responds when requested by the Shift Captain.*



# 2020 EMS Incidents by Complaint

People call 911 for many reasons. During our assessment, we engage the situation and determine what the medical complaint is from the patient. Below are the 20 most common complaints given to EMS upon our arrival.

## 20 Most Common Calls for EMS in 2020:

<u>Complaint</u>	<u>Number of Calls</u>
Sick Person:	2271
Falls:	1294
Breathing Problem:	836
Chest Pain:	594
Traffic Accident:	367
No Complain or Injuries Noted:	304
Medical Alarm:	261
COVID 19 Response:	260
Seizures:	194
Overdose:	171
Unconscious:	148
Diabetic Problem:	139
Abdominal Pain:	133
Stroke:	131
Assault:	128
Injury:	114
Unknown Problem:	104
Patient Assist Only:	96
Back Pain:	95
Laceration/Abrasion:	89



# 2020 EMS Incidents by Disposition

The disposition of a call is also referred to as the outcome. The list below details the result of all EMS calls in 2020.

<u>Disposition</u>	<u>Number of Calls</u>
Transported No Lights/Siren	4235
Patient Evaluated, No Treatment/Transport Required	1590
Patient Treated, Released (per protocol)	711
Patient Refused Evaluation/Care (Without Transport)	574
Transported Lights/Siren	223
Cancelled on Scene/No Patient Found	135
Cancelled (No Patient Contact)	134
Patient Dead on Scene - No Resuscitation Attempted (Without Transport)	91
Cancelled (Prior to Arrival at Scene)	90
Patient Treated, Transferred Care to Another EMS Professional	44
Patient Treated, Transported by Private Vehicle	39
Patient Treated, Transported by Law Enforcement	33
Patient Dead on Scene - Resuscitation Attempted (Without Transport)	13
Standby - Public Safety, Fire, or EMS Operational Support Provided	6
Assist, Agency	5

LFD provides EMS and Fire coverage for the Lancaster Festival.



# 2020 EMS Incidents

## Medications Administered

There are about 33 medications Lancaster Fire Paramedics can give to patients that result in treating pain, helping the patient feel comfortable, and saving their life. Patients may require multiple doses of a medication. Below is a breakdown of the name of the medication and how many times it was given in 2020.

### Medications Administered in 2020:

<u>Medication</u>	<u>Times Given</u>
Adenosine	16
Afrin	6
Albuterol	167
Amiodarone	21
Aspirin	207
Atropine	9
Atrovent	166
Benadryl	6
Calcium Chloride	1
Decadron	91
Dextrose 10%	94
Epinephrine 1:1	17
Epinephrine 1:10	83
Epinephrine Infusion	4
Fentanyl	111
Glucagon	6
Ibuprofen	5
Ketamine	39
Lidocaine	2
Magnesium Sulfate	3
Infusion	2
Narcan	138
Nitro Paste	155
Nitro Spray	182
Oral Glucose	50
Saline	24
Sodium Bicarb 8.4%	7
Succinylcholine	23
Tranexamic Acid (TXA)	1
Versed	60
Zofran	209



# 2020 **FIRE** Incidents by Type

## INSERT FIRE INCIDENTS BREAKDOWN BY TYPE AND NUMBER

### 20 Most Common Calls for **FIRE** in 2020:

<u>Incident Type</u>	<u>Number of Calls</u>
Unintentional system/detector operation:	183
Dispatched and cancelled en route:	154
System or detector malfunction:	120
Combustible/flammable spills & leaks:	95
Electrical wiring, equipment problem:	80
Unauthorized burning:	72
HazMat release investigation w/no HazMat:	68
Structure fire:	59
Service call, other:	47
Public service assistance:	38
Steam, other gas mistaken for smoke:	32
Outside rubbish fire:	29
Wrong location, no emergency found:	26
Smoke, odor problem:	21
Mobile property (vehicle) fire:	16
Chemical release, reaction, or toxic condition:	15
False alarm and false call, other:	15
Good intent call, other:	13
Malicious, mischievous false alarm:	10
Animal problem or rescue:	9

## 2020 Estimated **FIRE** Loss

Structure Fires	Estimated Property Loss	Civilian Casualty	Civilian Death
Residential - Private Dwelling	\$474,040.00	0	1
Residential - Apartments	\$16,350.00	0	0
Residential - Other	\$7,000.00	0	0
Public Assembly	\$20,000.00	0	0
Schools and Colleges	\$3,000.00	0	0
Stores and Offices	\$196,100.00	0	0
Industry, Utility, Defense, Lab	\$155,000.00	0	0
Storage Structures	\$6,000.00	0	0
Health Care and Penal Institutions	\$2,000.00	0	0
Other Structures	\$171,450.00	0	0
<b>Total Fire Loss:</b>	<b>\$1,050,940.00</b>	<b>0</b>	<b>1</b>

# 2020 Unit Response Times

The time between the dispatching of a call and our arrival on the scene is known as “Response Time”, or the time it takes for us to arrive at an emergency after being notified. Below is the average response time each frontline unit had in 2020.

## Average Response Times by Unit

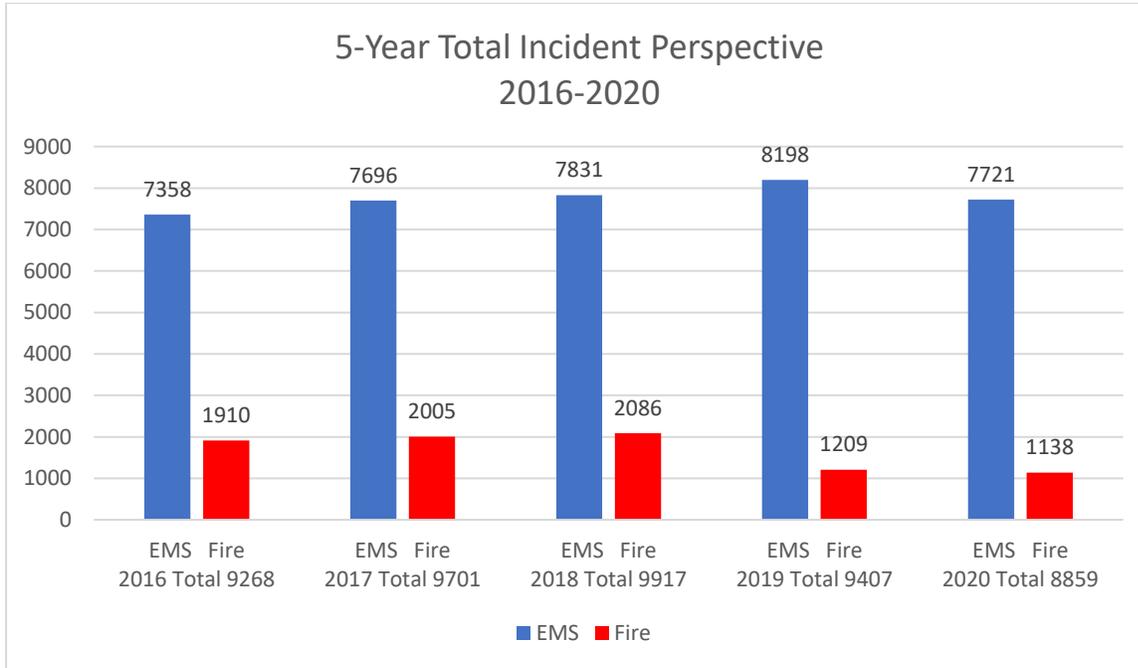
<b>CV 1</b>	5:43
<b>Tower 1</b>	7:10
<b>Medic 1</b>	5:00
<b>Engine 2</b>	6:24
<b>Medic 2</b>	5:04
<b>Engine 3</b>	6:34
<b>Medic 3</b>	5:07



2020 Rosenbauer Fire Engine

Throughout 2020, the fire service faced challenges on a national level due to the global pandemic. On the local level, the department had made numerous contingency plans and operational changes in order to meet the needs of the community. Thankfully, many of those plans were not needed, in fact the fire service and EMS saw exactly the opposite of the anticipated surge in requests for service. Through the spring, into early summer of 2020, there was a significant drop in the number of runs taken in comparison to previous years. However, by late summer our average daily and weekly run numbers began to rise once again to what we consider normal run volume. The drop in run volume is reflected specifically in the graph on page 20 depicting our 5-year EMS incident perspective.

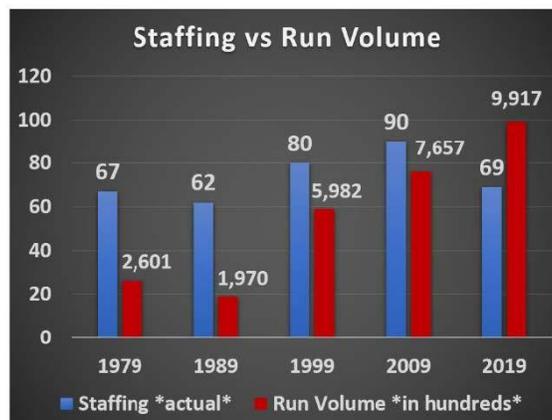
# 5-Year Total Incident Perspective 2016 - 2020



## HISTORICAL PERSPECTIVE 1979-2019

### Lancaster Fire Department

#### STAFFING



# 2020 MUTUAL AID

In 2020, Lancaster Fire Department requested mutual aid from fire departments outside the city. In addition, these departments also requested assistance from Lancaster Fire Department. The chart below breaks it down by jurisdiction and Fire or EMS assistance.

2020 Mutual Aid Report				
Jurisdiction	Mutual Aid To LFD		Mutual Aid From LFD	
	Fire	EMS	Fire	EMS
Pleasant Twp.	51	32	31	31
Greenfield Twp.	40	34	10	12
Berne Twp.	5	4	14	9
Hocking Twp.	14	16	5	3
Richland Twp.		2		2
Amanda Twp.		1	2	1
Basil Joint Fire Dist.	5	1		
Bremen-Rushcreek			1	2
Bloom Twp.	3			
Millersport Twp.			1	
Junction City, Perry County			1	1
New Lexington, Perry County				
<b>Total:</b>	<b>118</b>	<b>90</b>	<b>65</b>	<b>61</b>
<b>Grand Total:</b>	<b>208</b>		<b>126</b>	

LFD, Hocking Twnshp, Pleasant Twnshp, Greenfield Twnshp and Bloom Twnshp extinguish a very large fire behind River Valley Mall in July 2020.



# 2020 Inspections/Investigations

The Lancaster Fire Department's Prevention/Investigation Bureau is responsible for all fire prevention and occupancy inspection in the city. The bureau shares fire investigation responsibility with the Lancaster Police Department.

The 40-hour inspector/investigator position is vacant due to downsizing. In October 2020, we placed a 40-hour captain in charge of Fire Prevention to oversee fire prevention, plans review and public relations.

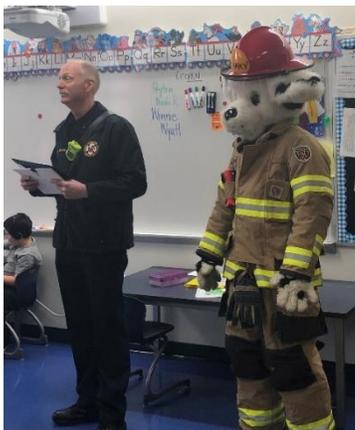
2020 Fire Investigations	
Investigation Type	Amount
Structure Fire:	15
Rubbish Fire:	3
Other:	7
<b>Total:</b>	<b>25</b>

FD inspectors work with electricians to test smoke Detectors in the new FMC River Valley Campus.



2020 Fire Inspections	
Inspection Type	Amount
<b>Inspections:</b>	
Annual Inspection - Basic	312
Annual Inspection - Alarm &/or Sprinkler	79
Annual Inspections - Vacant	67
Inspection - Other	11
Inspection - Foster Care/Adoption	19
Inspection - School (K-12)	12
Inspection - Daycare	6
Inspection - Hydo/Flush Underground Fire Line	6
Church (No Permit)	1
Inspection: Complaint Follow Up	0
Inspection - Fire Protection Only	4
Re-Inspections	217
<b>Total:</b>	<b>734</b>

Permits	Amount
Permit Inspection - Assembly/Restaurant	129
Permit Inspection - Auto Repair/Body Shop	70
Permit Inspection - Other Type Not Listed	27
Permit Inspection - Gas/Fuel Dispensing	19
Permit Inspection - Above Ground Storage Tank	1
<b>Total:</b>	<b>246</b>



A huge part of prevention is education. This is a photo of Lt. Medaugh and Sparky talking to children at a local elementary school.

# 2020 Personnel Report

## 2020 Department Training:

- MEC COVID Non-Transport
- Emergency Vehicle Driving-Cone Course
- Ice Rescue Incidents
- Multi Gas Meters
- RIT Pack, Buddy Breather
- Auto Extrication
- AAR – Harrison Ave
- Infection Control
- Exposer Control
- Blue Card
- Drafting
- Pump Test
- After Action Review
- Open Burning
- Mt. Carmel Ischemic Stroke
- Mayday
- Engineer Training
- Pedi COVID
- Protocol Review
- Rescue Torch Set
- 7 MEC Minute Trainings
- MSA/RIT Bag Review
- Rope Rescue
- EVOC Road Course
- Drains and Devices
- SOP Review
- Mt. Pleasant Ops and Review
- COVID Updates
- PED Seizure
- Stretching for Success
- Rescue Equipment in Service
- Geriatrics.
- Engine Fire Ground Strategies for Multi Family Buildings
- Blitz Fire
- Geriatric Trauma
- Mt. Carmel Endocrine Emergencies
- Pedi/OB
- AAR Campground Rd
- Mt. Carmel Obstetric Emergencies in the Field
- EPI Use
- PEDS Lecture and Checkoffs
- Conscious Sedation
- Radio Ops
- Behavioral Emergencies
- Pediatric Emergencies
- Mt. Pleasant SOP Review
- Airbag Training
- Fire Pumps and Water Flow
- Hose Testing
- Cerebral Oximetry Webinar
- Toxicology
- Mt. Carmel Electrocutation and the Trauma Patient
- AAR W Sixth Ave
- SCBA Drill
- AAR Treehouse Foods
- HIPAA
- Forcible Entry
- Fire Attack and S&R
- Airway Evaluation and Management
- Active shooter

## 2020 Specialized Training:

- Capt. Spiller attended the ESO Wave conference in Austin, TX.
- Lt. Long completed the Fire Officer 1 course through the Ohio Fire Academy.
- Lt. Harris completed the Fire Officer 1 course through the Ohio Fire Academy.
- FF/Insp. Hatch attended “What Happened to the Diva Den” Investigation class in Delaware, OH.
- FFP Kemper attended a 48 – hour paramedic refresher course.
- FFP Burke attended the Ohio Emergency Care Conference in Columbus, OH.
- FF/Insp. Hatch attended the Northern Ohio Arson School.
- Chief Ward, AC Watts, Lt. Medaugh, FF/Insp. Hetterle and FF/Insp. Hatch attended Fire Code Academy in Columbus, OH.
- FFP Varga completed the Fire Instructor 1 & II course at the Ohio Fire Academy.
- Capt. Schultz completed NFPA Plans Review.
- Lt. Harris, Lt. Snoke, Lt. Baker, FFP Nagle and FFP Sharp completed Blue Card Command certification.
- FFP Simpson and FFP Scott renewed HandTevy Pediatric training instructor certifications.
- FFE Conrad completed a Ferno Cot technician class in Wilmington, OH.

Personnel train on forcible entry.



The COVID-19 pandemic created challenges in maintaining our level of training. Organizationally, we had to restrict the number of people in each station. With most of our training exercises being group activities, it had become impossible to continue to train as effectively. These restrictions also resulted in a loss of external training opportunities therefore fewer personnel attending specialized training.

# 2020 Retirements/Promotions/New Hires

On February 7<sup>th</sup>, 2020  
Firefighter/Paramedic Rich  
Rhodes retires after 29 years.



On February 7<sup>th</sup>, 2020 New hire  
swearing in: FFP. Fred Murray.



July 31<sup>st</sup>, 2020 Fire Inspector  
George Carr retires after 26  
years.



July 31<sup>st</sup>, 2020  
Administrative Assistant  
Darlene Archer retires after  
31 years.



September 3<sup>rd</sup>, 2020 Lt.  
Terry Bowers retires after  
30 years.



September 10<sup>th</sup>, 2020 officer  
promotion: Lt. Josh Harris.



On September 10<sup>th</sup>, 2020  
New hire swearing in:  
FFP Chris Jacoby.



On September 10<sup>th</sup>, 2020 we  
added Chaplain Steve Rauch to  
our ranks.



October 9<sup>th</sup>, 2020 officer  
promotions: Capt. Craig  
Spiller and Lt. Corey Snoke.



# 2020 Officer Promotion: Assistant Chief Steve Maffin



Assistant Chief Maffin was sworn in to his new position on September 18<sup>th</sup>, 2020 and brings a wealth of experience to the position. AC Maffin has been with the Lancaster Fire Department for 27 years and served as a flight medic for Med-Flight for 16 years. Steve holds a Bachelor's Degree in Public Safety Management from Franklin University, as well as being a nationally recognized speaker in EMS and public safety.

# 2020 Awards/Grants/Donations



LFD EMS is awarded the 2020 FMC Stemi cardiac care.



LFD was presented a \$5,000.00 check for winning a video contest in 2020 from NiSource Columbia Gas of Ohio.

Grant	Amount
FEMA	\$171,818.18
<b>Total Grants:</b>	<b>\$171,818.18</b>

Donations	Amount
Brad Hutchison for Ballistic Vests	\$24,586.65
Thad Widener for Knox Boxes	\$1,000.00
TransCanada	\$6,250.00
<b>Total Donations:</b>	<b>\$31,836.65</b>