



Fire Department BUDGET PRESENTATION

FY 2021-2022



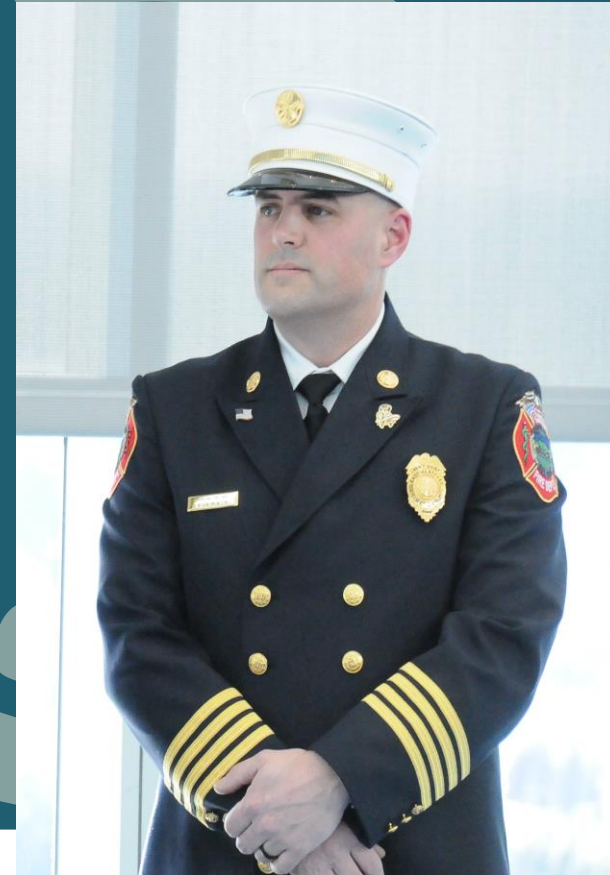
➤ COMMAND STAFF

- Appointed Fire Chief October 2008
- Over 32 years of professional and engaged fire service experience
- Graduate degree from Oklahoma State University, Graduate of the NFA Executive Fire Officer Program (2005), numerous professional certifications
- Responsible for all aspects of leadership within the department and FMO, Emergency Management, Planning.
- President, CT Career Fire Chiefs' Association, member CT EMS Advisory Board, Adjunct Instructor, CT Fire Academy, FRCE Advisory Committee on Behavioral Health



➤ COMMAND STAFF

- Assistant Chief Kevin Munson
 - Appointed as Assistant Fire Chief in 2018
 - Over 25 years of professional fire service experience
 - Adjunct Instructor, Connecticut Fire Academy
 - BS from SUNY MPA Student – Marist College
 - Serves as the Assistant Chief of Operations, responsible for:
 - Suppression Division
 - Training Division
 - Apparatus Maintenance Division
 - Hazardous Materials Response Program
 - Department Facilities

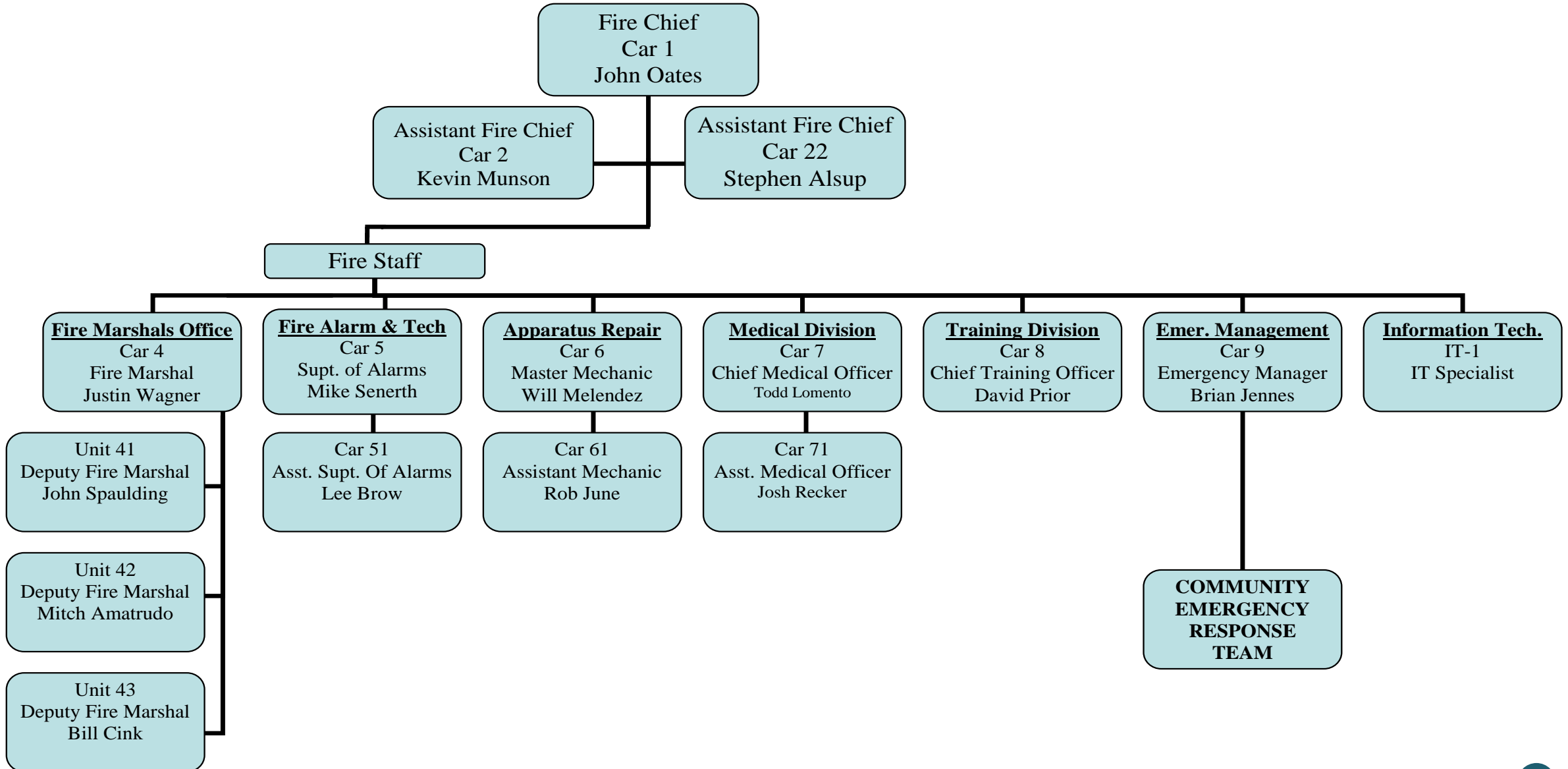


➤ COMMAND STAFF

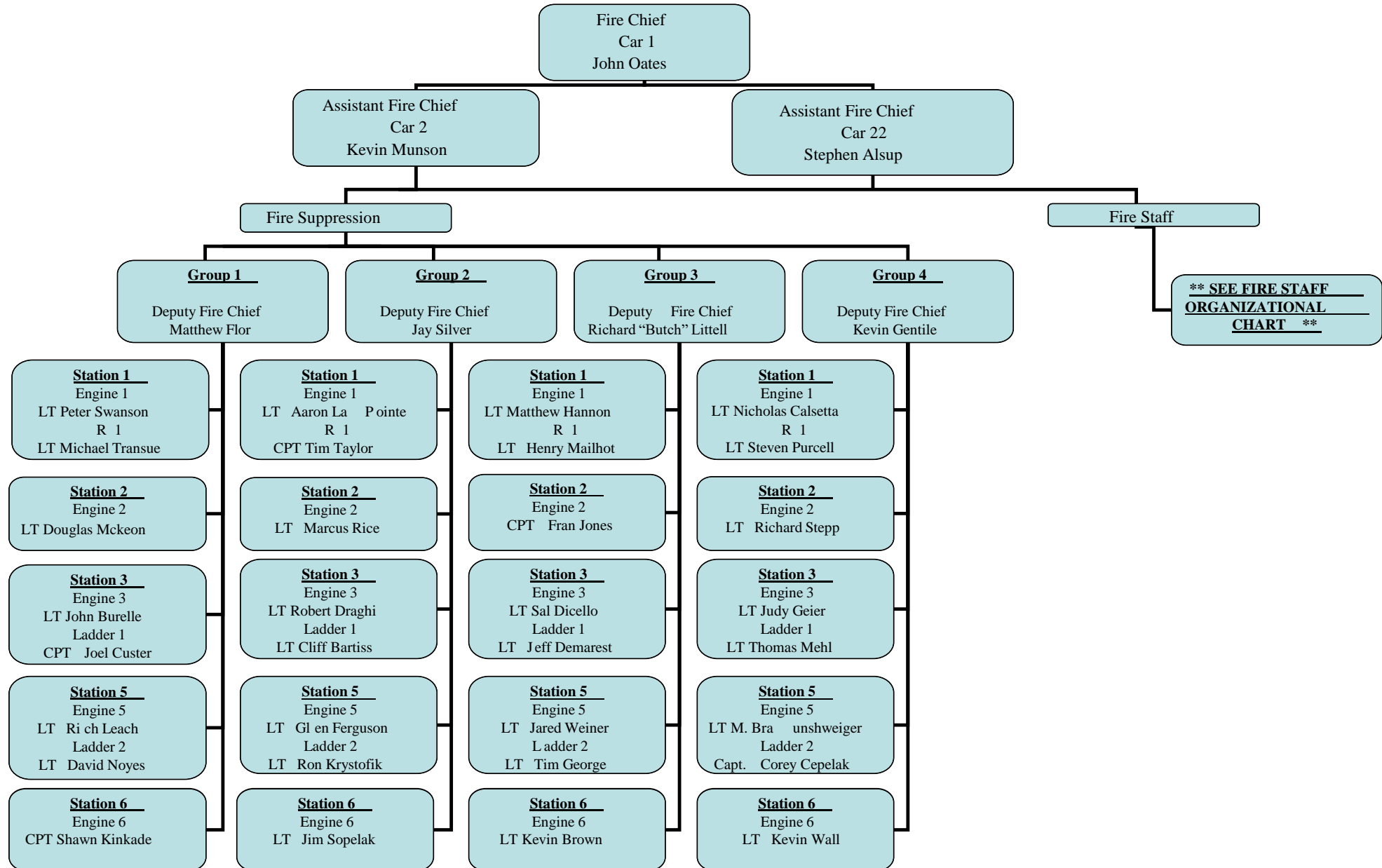
- Assistant Chief Stephen Alsup
- Appointed Assistant Fire Chief in 2020
- Over 25 years of professional fire service experience
- BS from Bryant University, MS from University of New Haven, Certified Human Resources Specialist
- Serves as the Assistant Chief of EMS and Technical Services responsible for:
 - EMS Division
 - Special Events, Bike Team, Marine Operations
 - Fire Alarm and Technology Division
 - Liaison with Public Safety Dispatch



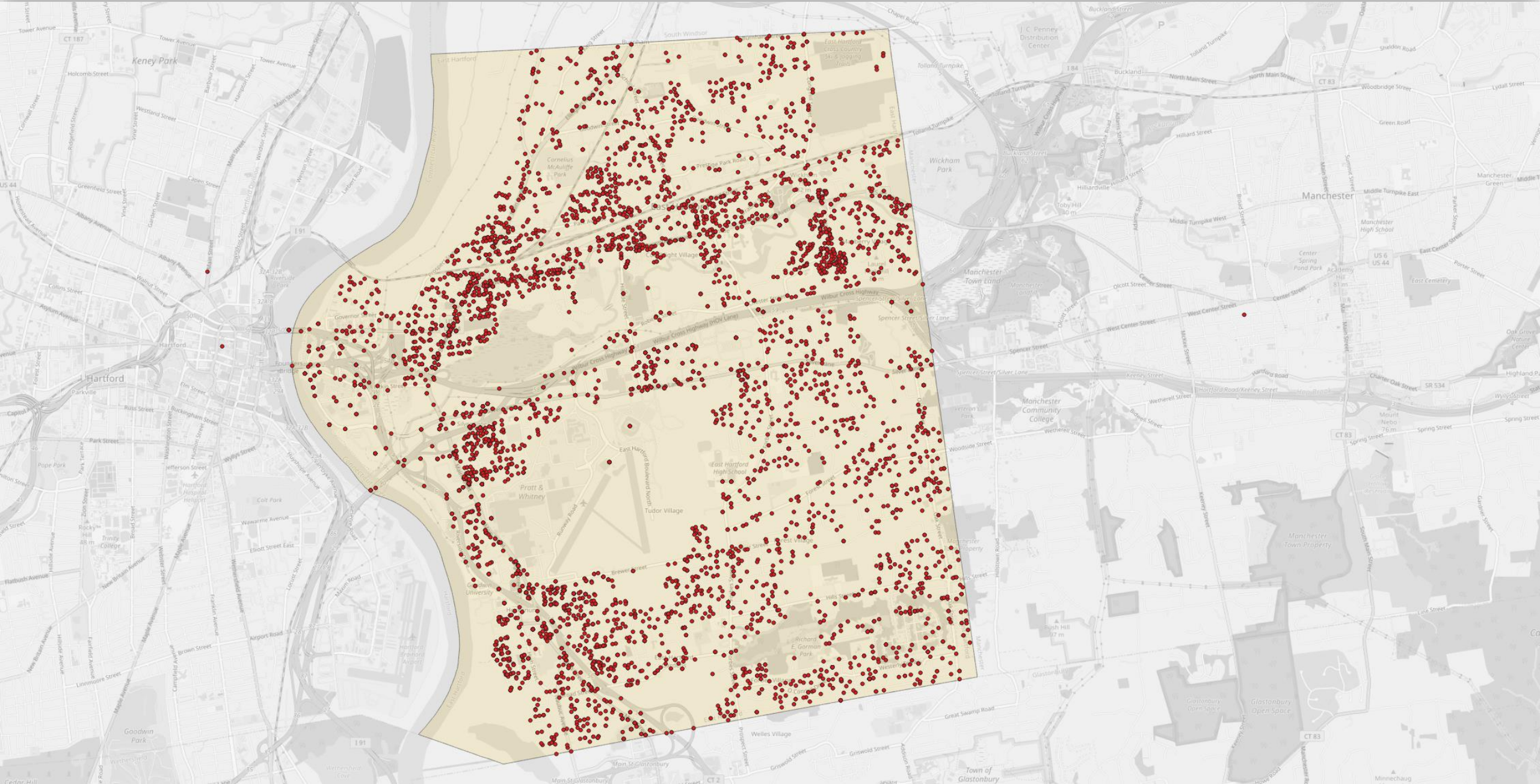
➤ 2021-2022 ORGANIZATIONAL CHART - (STAFF)



➤ 2021-2022 ORGANIZATIONAL CHART - (LINE)



CALLS FOR SERVICE 2020



▶ DEPARTMENT DESCRIPTION & SERVICES



Fire Administration Division

• Division Staffing:

- Fire Chief
- Two Assistant Fire Chiefs
- One Executive Assistant (FD Business Manager)
- One Clerk

• Division Functions:

- Global Leadership
- Human Capital Development
- Fiduciary Responsibility

• By the numbers:

- Grievances: 0
- New Members hired: 9
- Promotions: 14
- Special Events: 11



▶ DEPARTMENT DESCRIPTION & SERVICES

Fire Suppression Division

- **Division Staffing:**

- See line staffing org chart

- **Division Functions:**

- Response to calls for service

- **By the numbers:**

- Total Calls for Service: 8006
- Building Fires: 89
- Motor Vehicle Crashes: 411
- Feet of hose tested: 15,000



The Price of Protection



Helmet \$350

Hood \$120

Flashlight \$135

Breathing Apparatus \$7800

Portable Radio \$6500

Escape Harness \$525

Pants (Two Sets) \$2438

Jacket (Two Sets) \$2780

Thermal Image Camera \$7000

Gloves \$120

Mask \$325

Boots \$430

Tools \$265

**Protective
Equipment
Price Tag:
\$28,808.00**

**Increase
from 2020=
+\$1145**



➤ OFFICE OF THE FIRE MARSHAL



- **Division Staffing:**

- Fire Marshal
- Deputy Fire Marshal (3)
- Administrative Aide

- **Division Functions:**

- Connecticut General Statutes 29-305 requires the local fire marshal to inspect all properties with the prescriptive frequency of Section 107 of the CT Fire Safety Code
- Conduct Plan Review for all new construction, renovation, change of use
- Coordinate Community Risk Reduction effort

- **By the numbers:**

- 610 Residential Inspections
- 147 Smoke Alarms provided
- 82 Carbon Monoxide Alarms provided
- 212 Fire Investigations



➤ DEPARTMENT DESCRIPTION & SERVICES

Fire Apparatus Maintenance Division

- **Division Staffing:**

- Master Mechanic
- Assistant Mechanic

- **Division Functions:**

- The Division is responsible for the maintenance of apparatus, light fleet vehicles and trailers, and a significant array of equipment including fire hose, self contained breathing apparatus (SCBA), and firefighting tools

- **By the numbers:**

- 9 front line apparatus
- 34 other vehicles
- 82 SCBA (and 262 SCBA air cylinders)
- 15 chain and rotary saws
- 672 feet of ground ladders
- 9 Powered extrication tools



➤ DEPARTMENT DESCRIPTION & SERVICES

Fire Alarm and Technology Division

- **Division Staffing:**
 - Alarm Division Superintendent
 - Assistant Alarm Superintendent
- **Division Function:**
 - Maintain and constantly improve the department's radio system.
 - Provide subject matter expertise and assistance to Police Department and Public Works in related matters
 - Ensure 100% in service rate of municipal fire alarm system
 - Ensure functionality and execute prompt repair of 15 traffic signals
- **By the numbers:**
 - 4 Microwave stations
 - 90 Municipal Fire Alarm Boxes
 - 164 Radios (FD Only)
 - Over 200 Fire Alarm Test/Drills annually



➤ DEPARTMENT DESCRIPTION & SERVICES

Emergency Medical Services Division

- **Division Staffing:**

- Chief Medical Officer
- Assistant Medical Officer

- **Division Function:**

- Responsible for all aspects of the EMS System including: quality assurance process, medical education for all personnel, public education and awareness, and the research and purchase of all medical equipment and supplies.
- Responsible to maintain the Town's Public Access Defibrillation (PAD) program (Heart Safe Community designation)
- Division is responsible for administration and maintenance of the Emergency Medical Dispatch (EMD) protocol

- **By the numbers:**

- Treated 5753 patients
- Average response time is 7:54
- Top 3 Types of EMS Calls:
 - Trauma, chest pain, difficulty breathing



➤ DEPARTMENT DESCRIPTION & SERVICES

Office of Emergency Management

- **Division Staffing:**

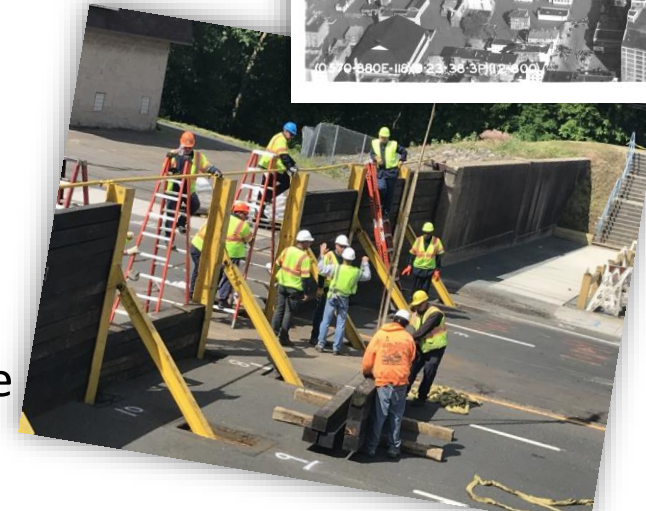
- Captain, Emergency Management

- **Division Function:**

- Developed a Comprehensive Emergency Management Plan to better align the Town's varied Departments roles and responsibilities.
- Maintain and improve the East Hartford Emergency Operation Plan
- Direct the Community Emergency Response Team's activations
- Contribute to improving the Town's resiliency through community outreach and education

- **By the numbers:**

- 137 Distributions of COVID PPE
- 317 Updates to Everbridge
- 26 Residents provided disaster services/relocation assistance



▶ DEPARTMENT DESCRIPTION & SERVICES

Fire Training Division

- **Division Staffing:**

- Chief Training Officer

- **Division Function:**

- The division is tasked with ensuring all personnel achieve and maintain their professional qualifications according to the Occupational Safety and Health Association (OSHA) as well as national consensus standards promulgated by the National Fire Protection Association (NFPA)
- Responsible for coordination of training and orientation for new members and acts as their primary point of contact during their training.
- Responsible for coordinating individual company training and drills

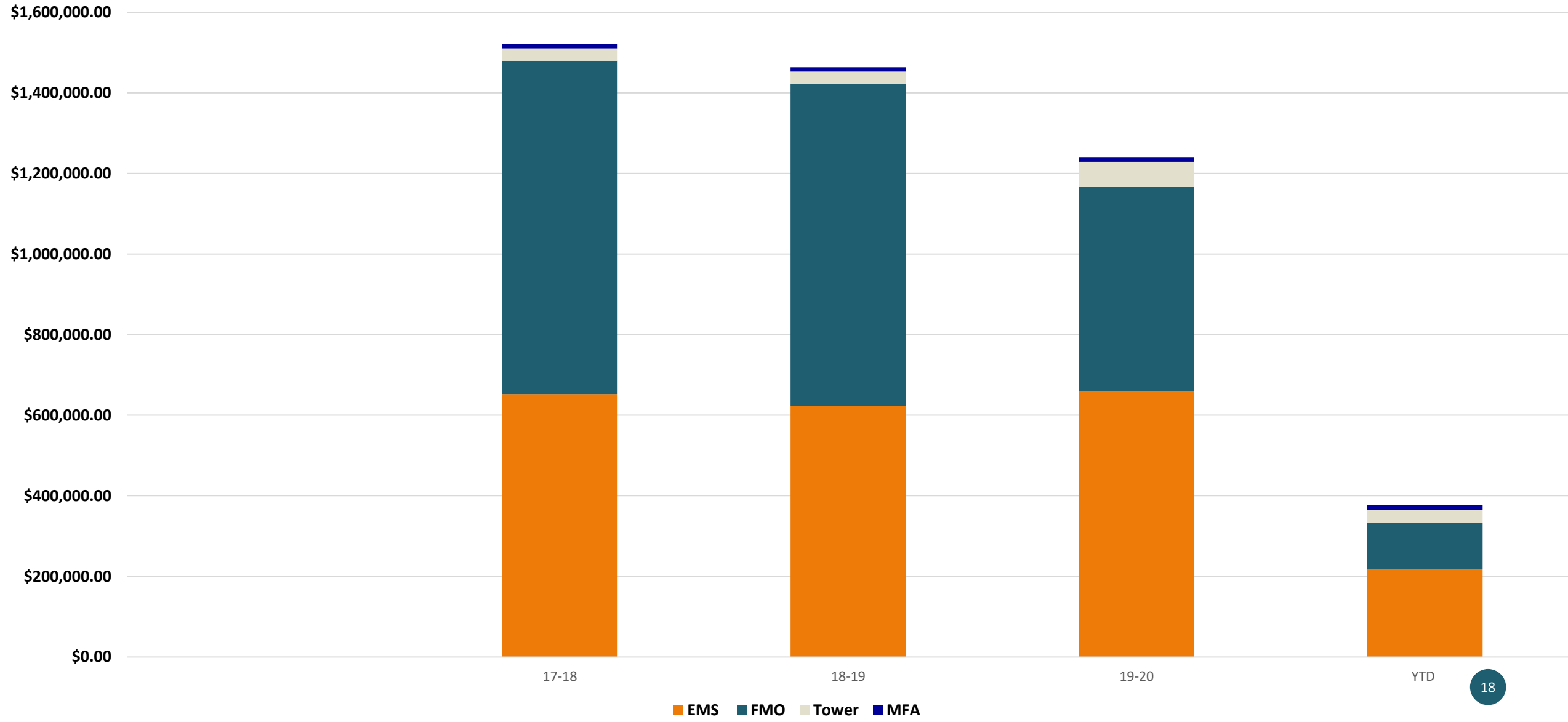
- **By the numbers:**

- Fire Training Hours: 1,278



➤ REVENUE 2020

FD Revenue



➤ (INTENDED) 2020 AREAS OF FOCUS

- Technology Upgrades
- Preparation for staff turnover
- Fleet attention
- Recruiting
- Continued mentoring/education of new officers
- Update Training needs and programs



➤ (ACTUAL) 2020 AREAS OF FOCUS

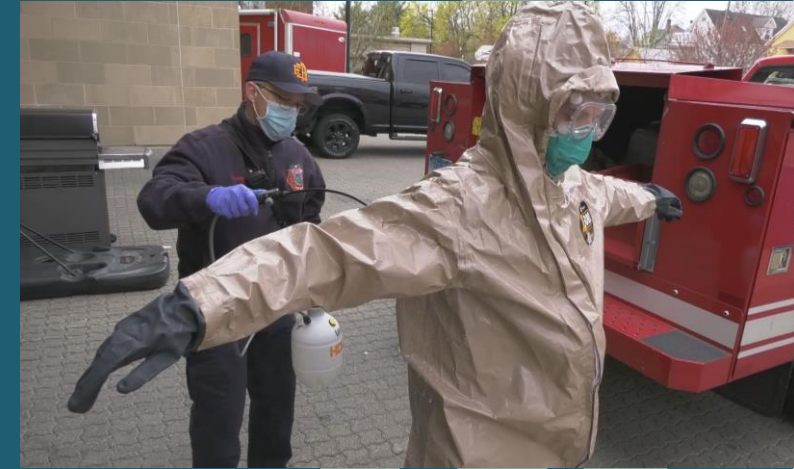


- Implemented distance learning (target) for fire and EMS training
- Credentialed 3 new shift commanders and developed 30 newly promoted personnel
- Major policy revisions to ensure relevance and current operational condition
- Complete change of 3000' of attack fire hose and nozzles
- All COVID, all the time



➤ EFFECTS OF COVID ON OPERATIONS

- In-person training was suspended in April
- All department facilities were closed in May
- 15 Members tested positive
 - Resulted in 92 different members being quarantined
- Call volume decrease during the summer months
 - Lower ALS revenue
- Mental health of staff is paramount
 - Balancing quarantine, mental health, with continuous operations was challenging
- Staffed a dedicated COVID response unit during times of peak demand
- Enhanced inter-departmental cooperation (testing and vaccination)



➤ 2021-22 PROGRAMS & INITIATIVES

- Continue to provide service to the community in the COVID environment. Adjust as variants/protection/vaccination/executive order/expert guidance changes
- Remain engaged in every way possible to ensure the community recovers from COVID. This includes vaccination clinic participation as well as any planning work by Emergency Management
- Complete initial design work for Fire Station 2 and global facility review
- Test, evaluate, and onboard both entry level and promotional candidates
- Implement diversity in recruitment program



BUDGET CHANGES

ORG	OBJECT	DESCRIPTION	REASON	\$ CHANGE
G5316	60110	Permanent Services	To fund a contractual Increase	\$34,357
G5316	63133	Professional Services	Increase in costs for medical testing and exams	\$11,095
G5317	60110	Permanent Services	To fund a contractual Increase	\$150,067
G5317	63248	Hydrants	Mandated increase from the MDC	\$16,225
G5319	60110	Permanent Services	To fund a contractual Increase	\$4,565

BUDGET CHANGES

ORG	OBJECT	DESCRIPTION	REASON	\$ CHANGE
G5320	60110	Permanent Services	To fund a contractual Increase	\$2,369
G5320	60148	Holiday Pay	To fund a contractual increase	\$1,001
G5322	60110	Permanent Services	To fund a contractual Increase	\$2,369
G5323	60148	Holiday Pay	To fund a contractual increase	\$551
G5323	60110	Permanent Services	To fund a contractual Increase	\$2,369

BUDGET CHANGES

ORG	OBJECT	DESCRIPTION	REASON	\$ CHANGE
G5323	62335	Medical Supplies	Cost increase due to COVID and market forces	\$32,850
G5323	63142	Emergency Medical Dispatch	To fund a contractual increase	\$600
G5323	63147	Patient Care Report	To fund a contractual increase	\$630
G5323	60110	Permanent Services	To fund a contractual increase	\$1,197
G5325	60110	Permanent Services	To fund a contractual Increase	\$1,271

➤ AREAS OF CONCERN

- Overall resilience/health of workforce
- Recruitment
- Microwave radio infrastructure (PSC to Sunset Ridge Tower)
- EMS Supply cost increases and availability decreases
- Fuel, Parts, Tires, Outside Services
- Overall Health of Fleet



➤ INITIATIVE ON DIVERSITY AND RECRUITMENT



- The department recognizes the need to diversify the workforce to better represent the makeup of the community
- Due to retirement and separation, the department is less diverse now than it was 10 years ago
- Challenges to a diverse workforce:

*The underrepresentation of females and minority racial/ethnic groups observed during this 10-year investigation of EMTs and paramedics earning initial certification suggests that EMS workforce diversity is **unlikely to undergo substantial change in the near future**. The representation gaps were larger and more stable among paramedics compared to EMTs and **suggest an area where concerted efforts are needed to encourage students of diverse backgrounds to pursue EMS***



➤ INITIATIVE ON DIVERSITY AND RECRUITMENT



- **Program concept:**

- Partner with EH Public Schools to identify interested candidates
- Provide part-time job opportunities for those candidates to:
 - Learn about the fire service as a career
 - Learn and prepare for the physical and mental demands of the career
 - Provide training to become an Emergency Medical Technician (EMT)
- Once certified as an EMT, connect those candidates with employment opportunities with EMS providers and,
- Provide scholarship and part time pay for those candidates to become Paramedics
- Upon successful completion of the Paramedic program, they will enter into our hiring process (physical agility, medical physical, background) and then attend the CT Fire Academy Recruit Firefighter training program



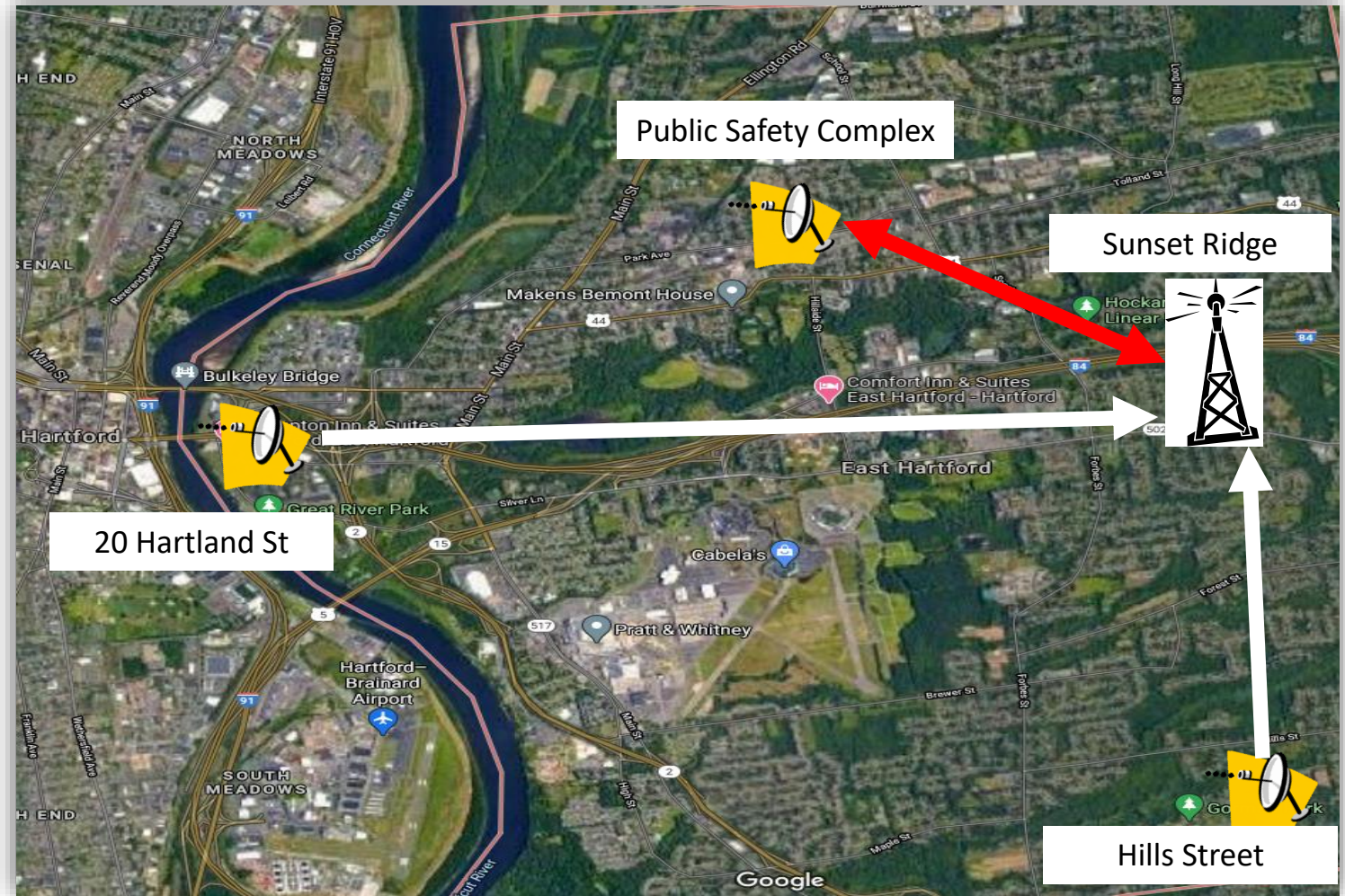


- Portable radios have low transmit power. In certain areas of Town, they cannot reach the main receiver at Sunset Ridge
- Signal is relayed back to Sunset Ridge and Dispatcher from Hartland or Hills



Fire & Police Radio System Infrastructure Locations

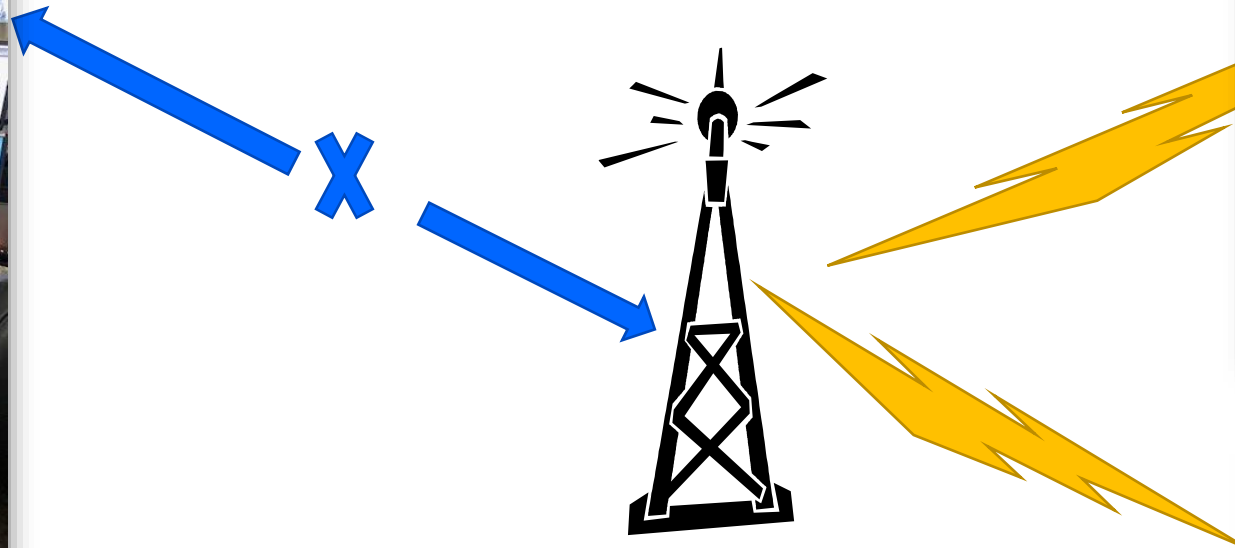
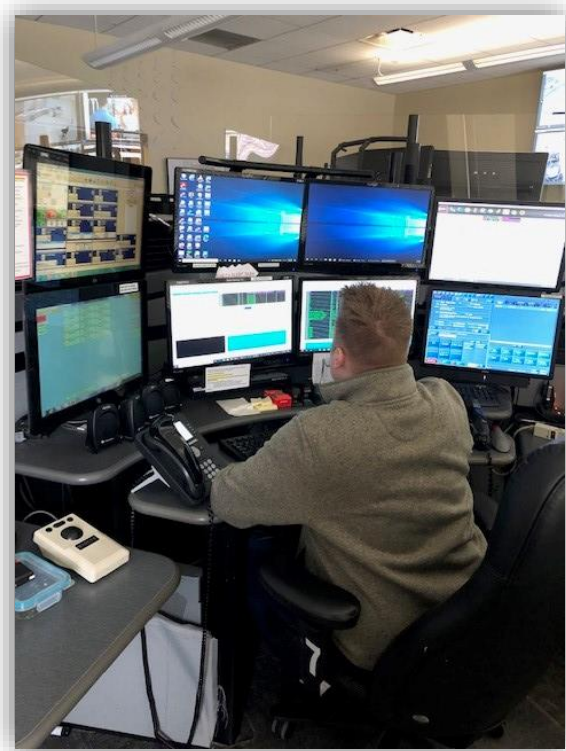
Link between PSC – Sunset Ridge is critical for dispatch to unit communications



The Dragon Wave microwave link between the tower at Sunset Ridge and the Public Safety Complex is 16 years old and prone to failure

This particular leg of the system is responsible for all radio traffic routed to and from the Public Safety Dispatch Center

When the link goes down, Dispatcher's are unable to communicate with Police and Fire units in the field. The backup system is the transmit/receive tower at the Public Safety Complex. Backup radio coverage is limited



Tower at Sunset Ridge



CAPITAL:

Emergency Medical Services Division



CIP Request - Enhanced Video Based Intubation Laryngoscopes For Breathing Tube Placements

Current Devices

- Small screen, lower visual quality, 10 years old
- Manual device - Like looking into throat through a big straw
- Must get "up close" to patient for good visualization

Low frequency / High Risk Procedure - 48 Intubations in 2020

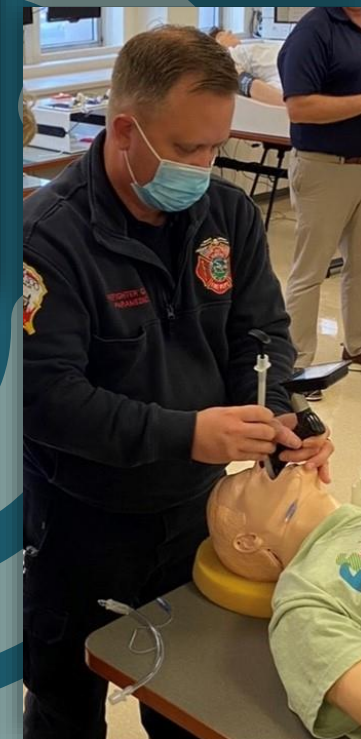
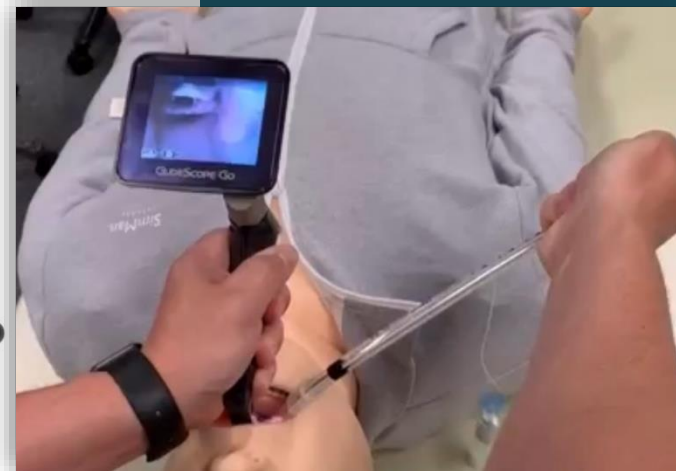
Requested Device

- Bigger Screen, enhanced clarity – Think iPhone/Android
- Safer for Patient & Paramedic
 - Reduces infections disease exposure possibility
 - Reduced risk of miss-placed breathing tube
- Confirmation of good tube placement
 - Photo can be attached to medical record
 - Full video is possible – Training & Accountability
- Same technology as hospital emergency department
- New devices are state of the art

Full fleet changeover – consistency and training

Request is for 10 units and a spare

Recurring costs within normal supply budget



➤ CAPITOL IMPROVEMENTS

- Engine 2 retired due to a frame crack
- Engine 7 moved into frontline status
- Ladder 3 unavailable for 265 days in 2020



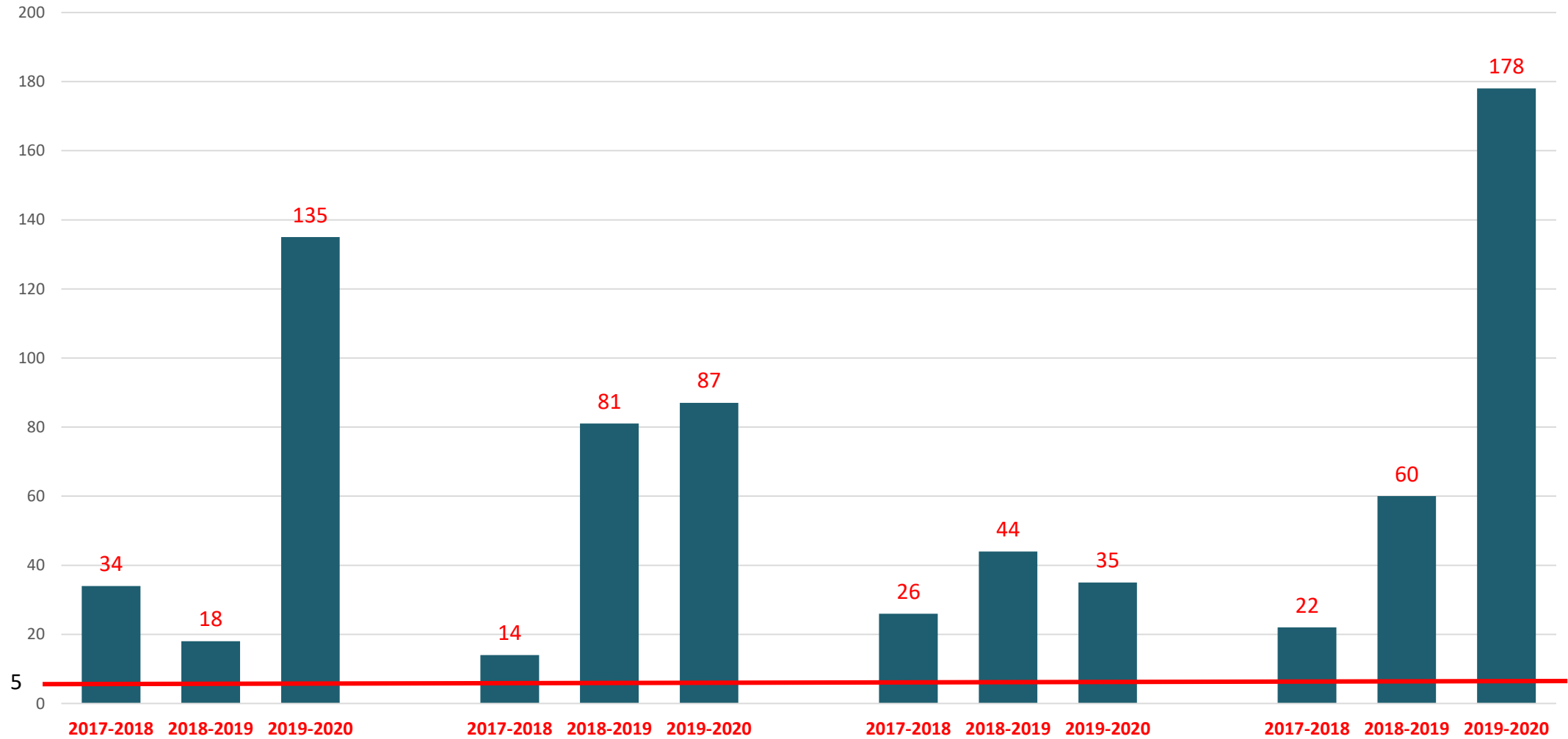
➤ CAPITOL IMPROVEMENTS

Apparatus & Fuel #	Year	Age (Years)	Mileage	Hours	Days O.O.S.
E-2(Retired)	2004	17	131786	14528	135
E-3	2004	17	75212	7089	87
E-6	2005	16	137400	12891	35
E-7 (Now E-2)	2005	16	115721	13759	NA (Spare)
E-8	2001	20	102624	8225	NS (Spare)



➤ DAYS OUT OF SERVICE

Days O.O.S.



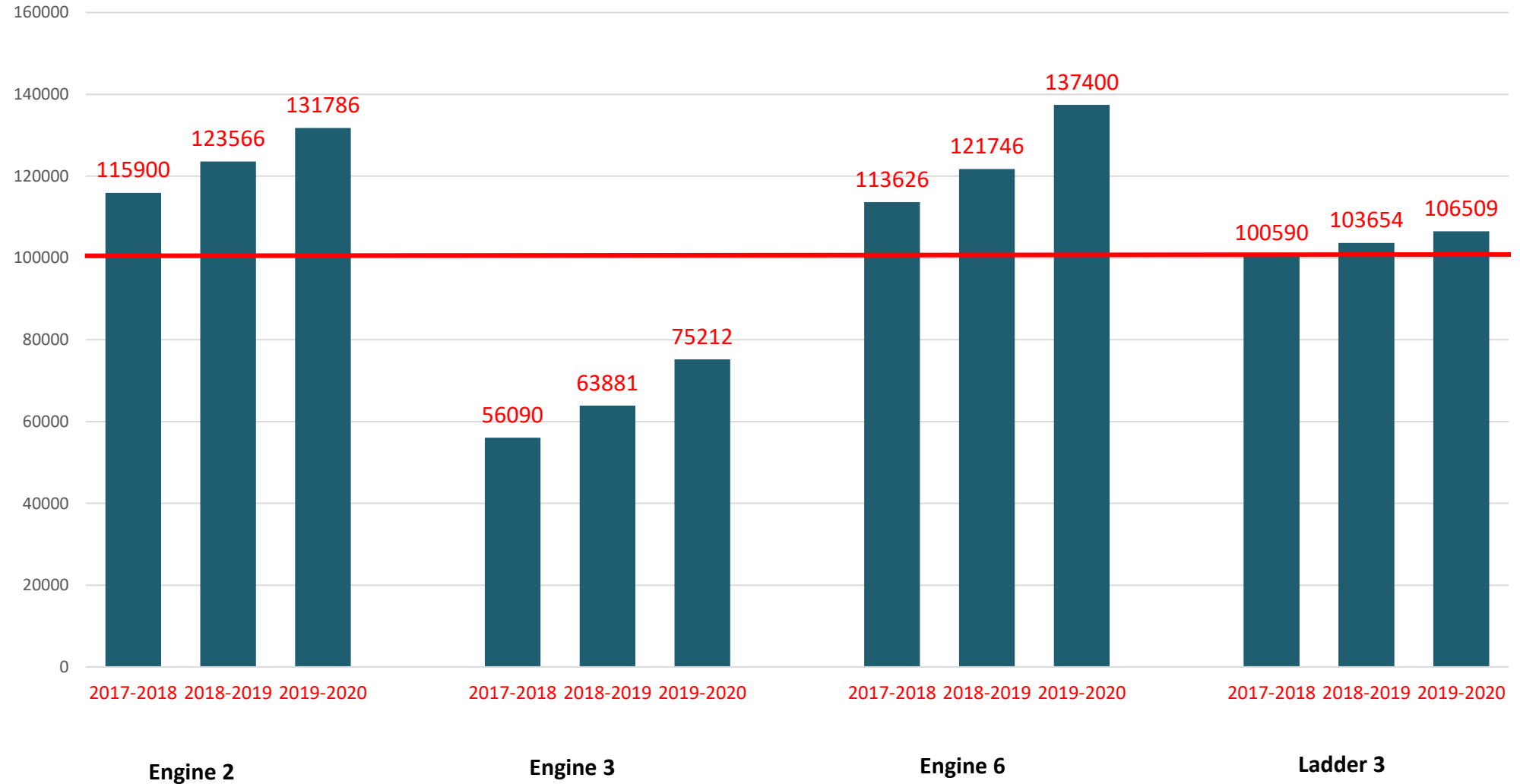
Engine 2

Engine 3

Engine 6

Ladder 3

Mileage





THANK YOU!