

CITY OF COLUMBUS FIRE DEPARTMENT



2021 ANNUAL REPORT

Mayor James D. Lienhoop

Fire Chief Andy Lay

Columbus City Council:

Jerone Wood, District 1

Elaine Hilber, District 2

David Bush, District 3

Frank Miller, District 4

Tim Shuffett, District 5

Tom Dell, At-Large

Grace Kestler, At-Large




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City of Columbus Fire Department 2021 Annual Report

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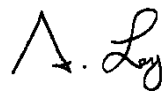
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Message from the Fire Chief

Welcome to the City of Columbus Fire Department. Our agency consists of 97 hard-working personnel dedicated to serving you with integrity and excellence. I want to take this opportunity to provide you a year-end review of what our fire department has accomplished during 2021, and the goals we have set to continue meeting your expectations for quality fire, rescue, and emergency medical services.

It is a privilege and honor to serve this community.



Andy Lay
Fire Chief



Columbus Fire Department

CFD Fire Chief Andy Lay

Deputy Chief Mike Kutsko, Administration

Deputy Chief Mark Ziegler, Operations

Vision

Columbus Fire Department is dedicated to being the best community focused fire and rescue department that meets the ever-changing needs of our community while ensuring a safe and secure environment for all through professional development, unity, and teamwork.

Mission

Columbus Fire Department is committed to providing the highest-level public safety services for our community. We protect lives and property through fire suppression, emergency medical response, disaster management, fire prevention, and education.

Core Values

We, the members of the Columbus Fire Department are committed to the following values in our interactions with coworkers and customers:

- Professionalism - In application, appearance, attitudes, and standards
- Integrity – Demonstrate honesty and fairness
- Responsibility and Accountability – professionally, personally, and fiscally responsible for our actions
- Respect – For each other, our Department, the City Government and our customers, the citizens and visitors of the City of Columbus
- Diversity – Being opened minded and responsive to the uniqueness of our community
- Commitment - In all department endeavors
- Teamwork – Encourage unity and cooperative attitude
- Health and Safety – Personal and professional health and safety is paramount in fulfilling the mission of the Columbus Fire Department

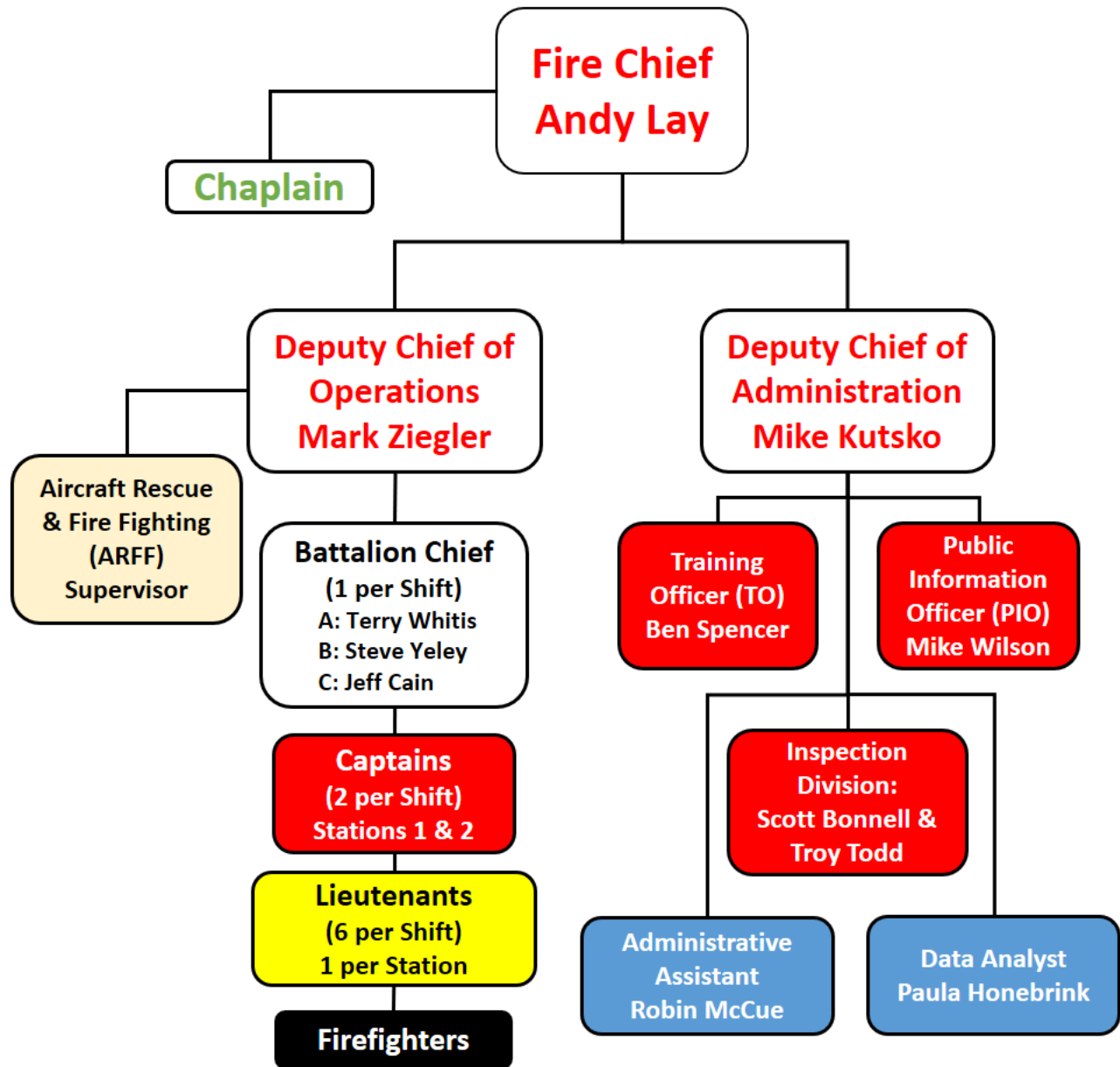
Slogan

Prevention is our Intention



Columbus Fire Department

Organizational Chart



Columbus Fire Department 2021 Accomplishments

Fire Fighting, Emergency Medical, and Rescue Services

- Two confirmed rescue Saves: (1) Technical Rescue and (1) Residential Structure Fire
- Implemented awarding of Commendations Medals: Valor & Courage
- Updated Flood Response Emergency Plan (FREP)
- Updated numerous Fire Department Orders (FDOs)
- Report Management System (RMS) switched to ImageTrend
- Integration of Locution alerting system – final stages



Certifications

- Recertified (9) Aircraft Rescue & Fire Fighting (ARFF) personnel and agency compliance
- Paramedic refresher course, including Chief Lay, Deputy Chief Kutsko, TO Spencer, and PIO Wilson

Hiring and Promotions

- Updated Firefighter/EMT job description
- Switched to online-only applications
- Hired (3) new Firefighter/EMTs
- Promoted (2) Lieutenants and (1) Captain

Health & Wellness

- Implemented Random Drug and Alcohol Testing
- Aggressively managed proper use of the Family and Medical Leave Act (FMLA)
- Encouraged and provided mental health assistance and when needed
- Fit-for-duty evaluations, including 12-lead heart monitoring on treadmill

Training

- Fire Department Instructor's Conference (FDIC) in Indianapolis
- Hosted Calm the Chaos: Mastering Fireground Command training
- Hands on Training (H.O.T) classes every Tuesday

Annual Maintenance and Testing

- Fire Fighting and Rescue Equipment
 - Pump, hose, & ground ladder testing
 - Calibration of all metering devices
- Extrication Tool Services: Halmatro, Genesis, Hurst
- Personal Safety Equipment
 - 150 air bottles (SCBA) hydro-testing
 - Breathing apparatus air flow and facepiece seal testing



Notable Purchases

- Bunker gear (25) new sets
- Replaced (25) firefighter helmets
- Rescue Boats (2) inflatables and motors
- Tools and equipment to be used exclusively at training grounds

Fire Station Improvements

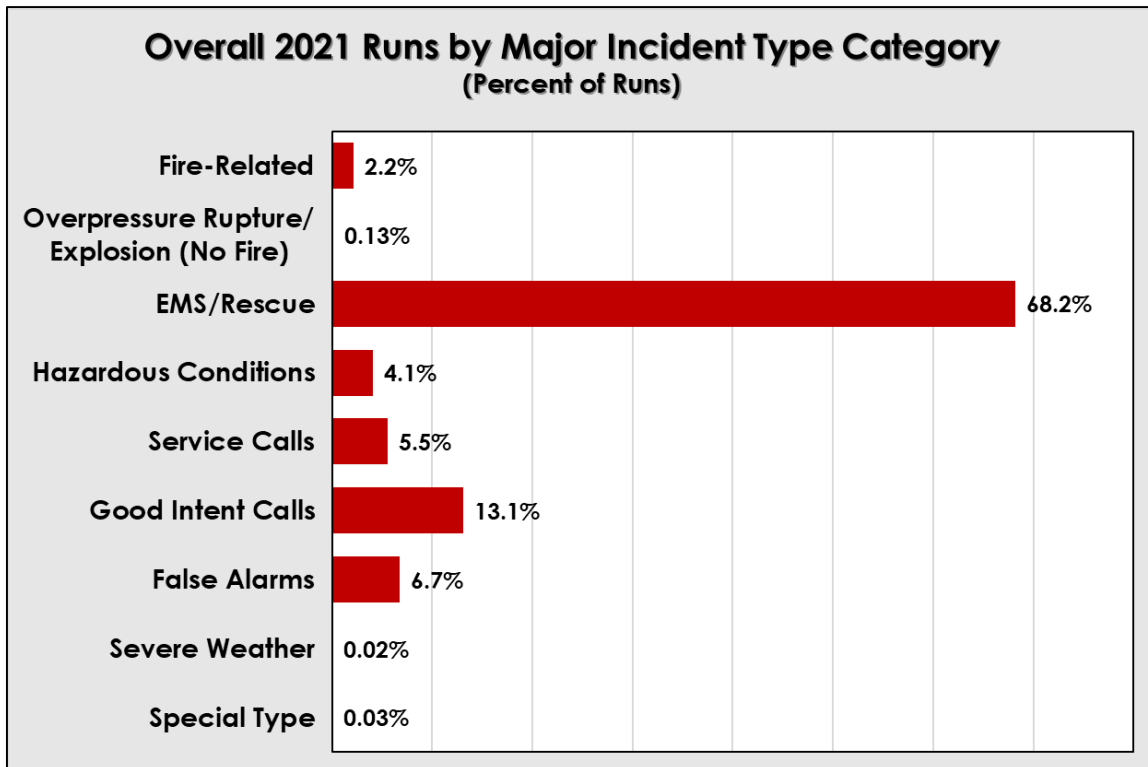
- Installed secure entrance system at administrative office
- Upgraded heating and air conditioning system at Station 3
- Reconstruction of bridge at Station 5
- New furniture for Stations 1 and 5
- Replaced all mattresses at Station 4

Relationships with other agencies and organizations

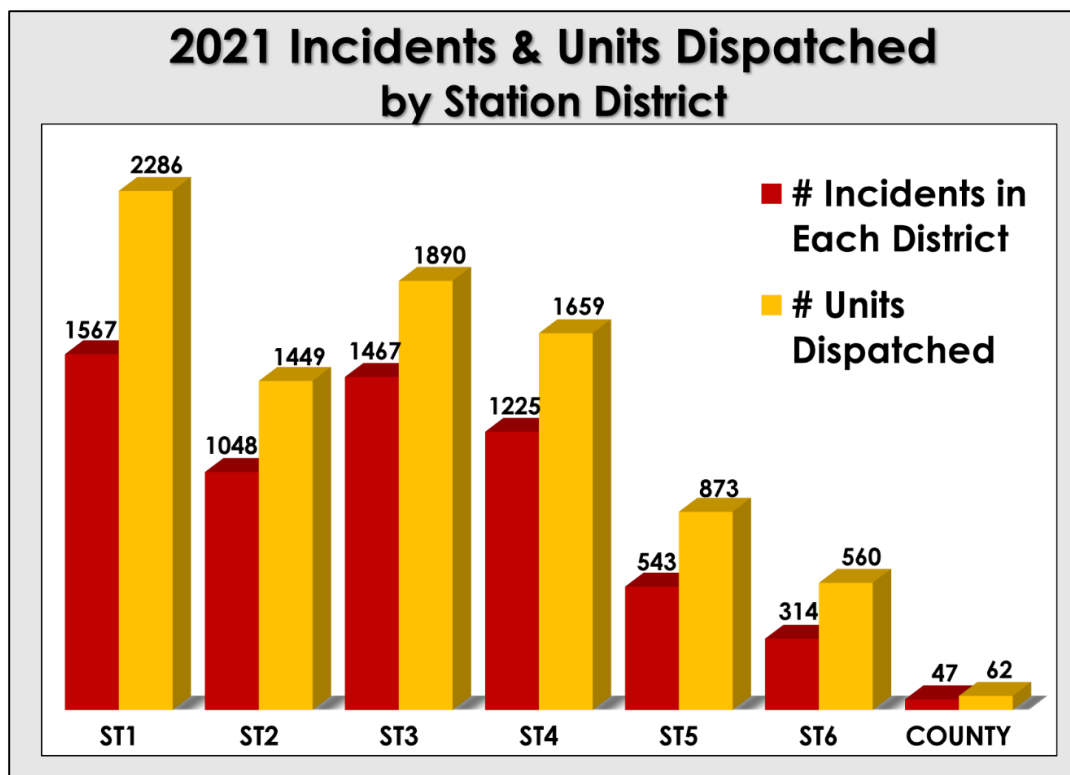
- Provided Covid-19 Testing for all City of Columbus essential workers
- Assisted other City of Columbus/Bartholomew County Public Safety agencies
- Indiana Department of Homeland Security: Bartholomew County is in District 8
- Supported Firemen's Cheer Fund, United Way, Red Cross, and Salvation Army
- Collaborated with Columbus Municipal Airport (CMA), Columbus City Utilities (CCU), and all City of Columbus departments
- Partnered with Project Lifesaver (Bartholomew County Triad program)
- All stations are official Safe Place sites



Overall Columbus Fire Department Run Profile



Major incident types are defined by the National Fire Incident Reporting System (NFIRS)



Columbus Fire Department 2022 Goals

Fire Fighting, Emergency Medical, and Rescue Services

- Update Fire Department Orders and Operational Guidelines
- Seek additional stipend for ARFF certified personnel

Certifications

- Send Three CFD Members to St Francis Paramedic Program
- Send a Battalion Chief to Certified Public Manager Program (Ball State University)

Hiring and Promotions

- Collaborate with CFD pension board and community leaders to host job fair and promote CFD recruitment
- Remove the Fire Chief and Deputy Chief of Administration from interview boards and substitute with external Fire Chiefs
- Create a standardized test for promotions administered by third party agency
- Update current rank job descriptions
- Conduct formal sit-downs with personnel to relay verbal expectations

Health & Wellness

- Provide training on A1-C and Insulin-resistance
- Implement Work Performance Evaluations (WPE) for incumbent Firefighters
- Expand chaplaincy program
- Further evaluate mental health needs

Training

- Apply for Assistance to Firefighters Grant (AFG) Unified Command training for the City of Columbus and Bartholomew County
- Host Hazardous Materials Class
- Provide Training on Fleet management software

Major Purchases

- Replace three administrative vehicles

Fire Station Improvements

- Continue updating security for ST1 doors and locks
- New concrete on front apron at ST1
- Painting ST5

Relationships with other agencies and organizations

- Create a private public partnership with local industry to support a CFD Technical Rescue Team

Other

- Upgrade and enhance Time Keeping and Accruals management system
- Conduct FMLA Training
- Implement sick leave attendance policy



Accreditation

CFD is now a registered agency with the Commission on Fire Accreditation International (CFAI) under the Center for Public Service Excellence (CPSE).

2021 Accomplishments

- Five CFD Members attended the Center for Public Safety Excellence (CPSE) Live Virtual Excellence Conference “Accreditation Bootcamp”
 - Fire Chief Andy Lay, Deputy Chief of Administration Mike Kutsko, PIO Mike Wilson, TO Ben Spencer, and Data Analyst P. Honebrink
- CFD named Data Analyst P. Honebrink the Accreditation Manager (AM)
- Deputy Chief Mike Kutsko and A.M. Paula Honebrink attended the required Quality Improvement for Fire and Emergency Services (QIFES) workshop

2022 Goals

- Present accreditation process to all internal and external CFD stakeholders: CFD personnel, City of Columbus officials, and the community
- Conduct an official Community Risk Assessment (CRA)



Training Division – Captain Ben Spencer, Training Officer

2021 was a great year for the CFD Training Division. We are in the second year of using Vector Solutions (VS) software. This program allows our firefighters to keep better track, with ISO guidance, of their training. VS is also used as an online training platform.

Total training hours: 18,762.84

2021 Training Division Accomplishments

- Implementation of the Officer Development – Seat Rider Course
- Hands On Training (H.O.T.) Days at Evolution Training Center
 - Every Tuesday CFD uses the burn tower for live fire & other prop training
- Rookie Firefighter Training – 3 *new firefighters to CFD*
- Darkness to Light: End Child Sexual Abuse – **First Fire Department in Indiana to be 100% certified**
- Calm the Chaos (CTC) - \$72,000 grant for Incident Command Training
 - Hosted 59 Fire Fighters from 6 Different States
 - CTC: Train the Trainer officer training event



Calm the Chaos (CTC) and CTC: Train the Trainer

- Lifeline Helicopter Training
- Louisville & Indiana Railroad Exercise
- Paramedic Training
 - 9 Paramedics completed the 48-hour refresher course
 - All 30 Paramedics trained in Advanced Cardiac Life Support (ACLS) & Pediatric Advance Life Support (PALS)
- Driver Operator Certifications
 - 6 additional firefighters at Driver Operator General (45 total)
 - 8 additional firefighters at Driver Operator Aerial (15 total)
 - 4 additional firefighters at Driver Operator Pumper (13 total)



Driver Operator Pumper



Training Division – Continued

- Other training and certifications conducted internally



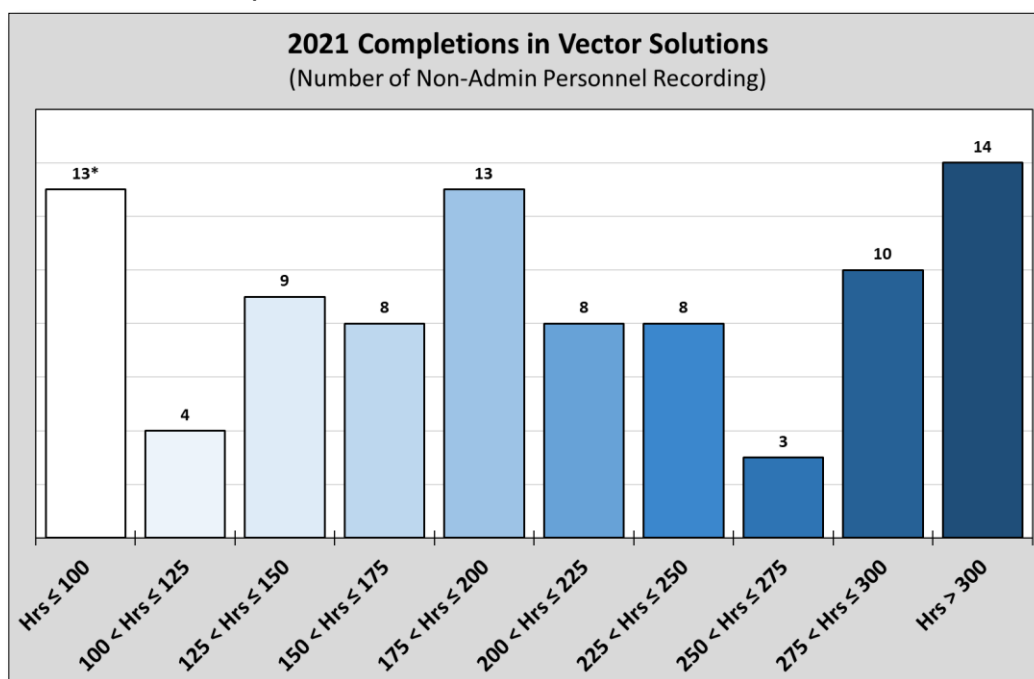
Ice Rescue Training

- Driver Operator Pumper
- Ice Rescue
- Swift Water Technician



Swift Water Technician Class

- Rope Rescue Certification
- Vehicle & Machinery Rescue
- Confined Space Rescue



* Includes 3 personnel who were not on shift with CFD for the entire year

2021 Training Officer Accomplishments

- Obtained ACLS Instructor certifications
- Provided CPR Training for all CFD & DPW personnel
- Secured IDHS Infrastructure Grant - \$2,200 for new EMS simulators
- Trained all personnel and implemented ImageTrend reporting software
- Indiana District 8 Fire Training Council – Active voting member



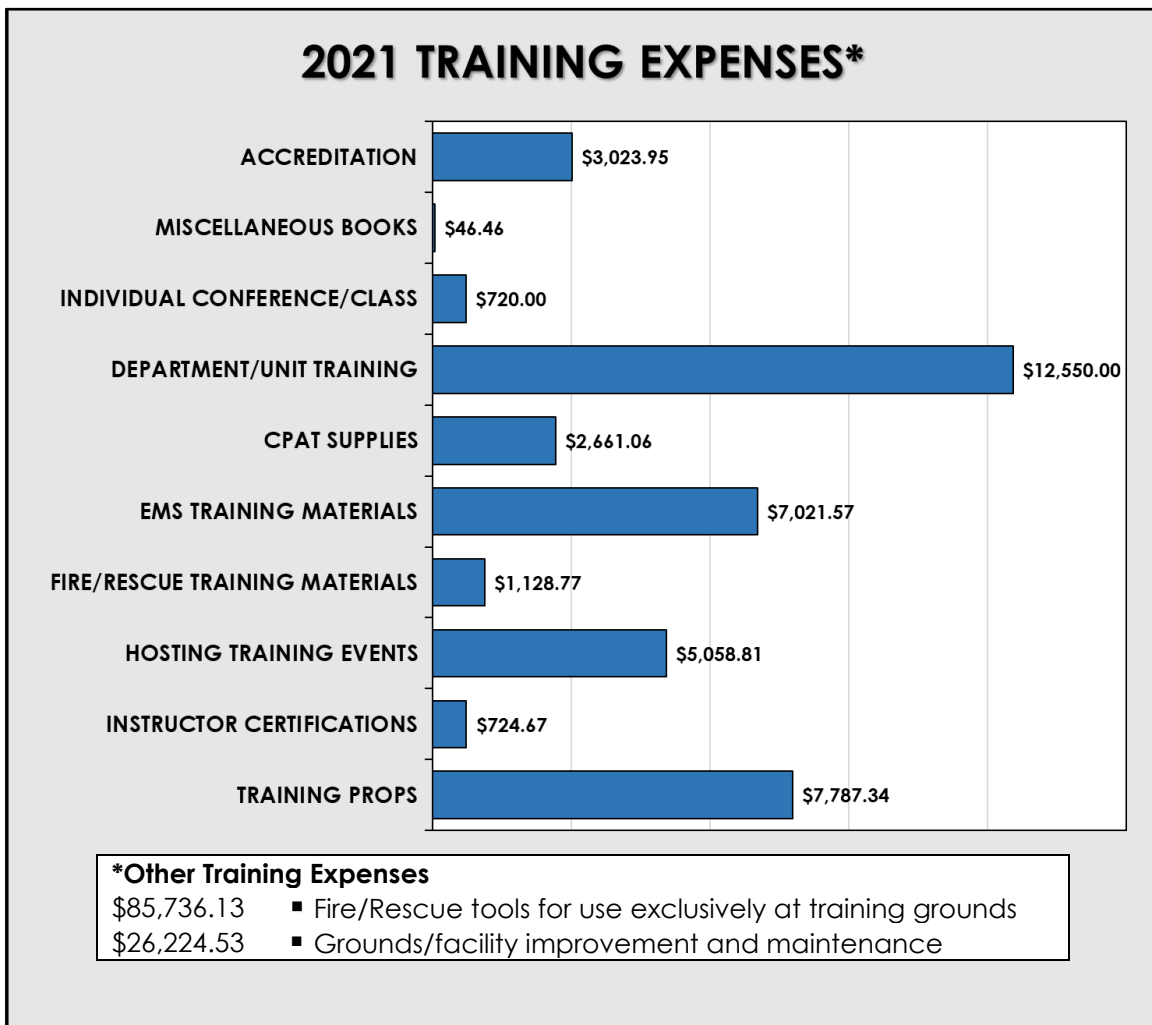
Training Division – Continued

Training Goals for 2022

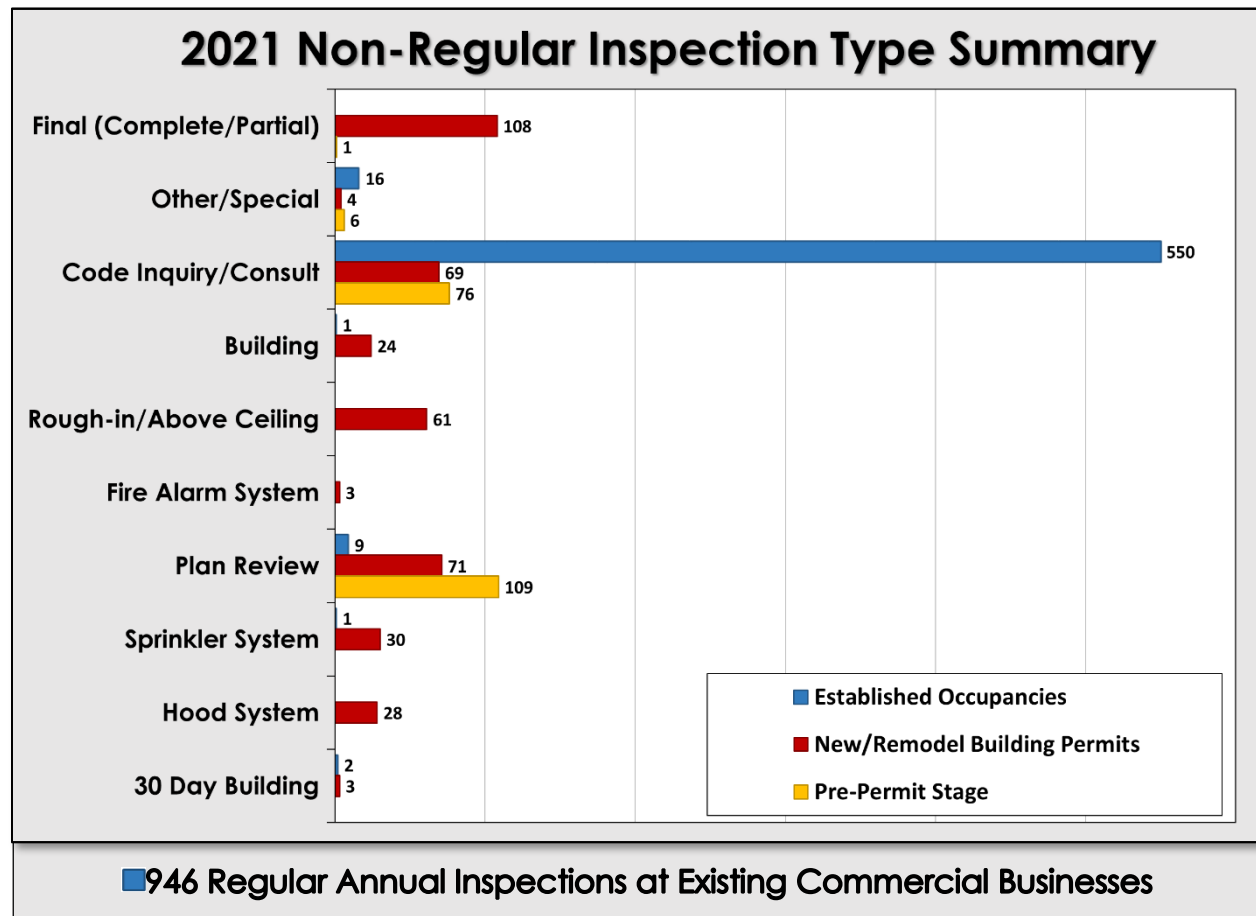
- Nozzle Forward Course
- Fire Academy with Greensburg, Seymour, Edinburgh, & North Vernon Fire Depts
- Continuation of H.O.T. Days and Seat Rider Program
- Develop training with Columbus Police Dept & Bartholomew County Sheriff Department on Rescue Task Force (NFPA 3000) – *active shooter rescue training*
- Fire Instructor II Certification Course
- Fire Officer II Certification Course

Training Grounds Improvements

- New Search & Rescue Training Area - containers
- Flashover Chamber Simulator – containers
- Confined Space Simulator



Fire Prevention Bureau - Inspectors Scott Bonnell & Troy Todd



Insp. Bonnell	Activity Description	Insp. Todd
22	Fire Investigations	13
88	Final Inspections for New Buildings or Remodels	7
210	Fire & Building Code Consults	618
91	Remodel/New Construction Permits	13
157	New Commercial Construction Plan Reviews	4
60	Special Inspections (Alarm, Sprinkler, Hood Systems, etc.)	18
307	Regular Annual Fire and Life Safety Inspections for Existing Commercial Businesses	639
Provide Fire Extinguisher Training (actual numbers not recorded)		

* Totals may differ from graph above due to activities inspectors complete together



Fire Prevention Bureau – Continued

Inspector Bonnell

Training & Instruction

- 25 hours Community Risk Reduction/Fire Inspector training
- 7 hours EMS training
- 15 hours Certified Fire Investigation (CFI) training
- 24 hours Calm the Chaos: Fireground Command training
- 1 hour NFPA 25 Sprinkler Systems training

Inspector Todd

Committees

- Ordinance Review Committee as a representative of CFD
- Hoarding Helpers Committee as a representative of CFD
- City of Columbus Deferred Compensation Sub-Committee

Collaboration Efforts

- City Attorney's Office – drafted three fire ordinance changes to gain fire code compliance of commercial buildings and assist CFD community risk reduction
- Minority business owners and interpreters – facilitate understanding of fire code requirements to improve business and community safety

Training & Instruction

- 14.25 hours of Community Risk Reduction courses
- 74 hours Fire Inspector training
- 42 hours Fire Investigator training
- 6 hours Hazmat training
- 24 hours Calm the Chaos: Fireground Command training
- 15.5 hours instructing Community Risk Reduction classes

2022 Goals

- Complete the following courses
 - National Fire Academy fire investigation class
 - Youth Fire setter course
 - Fire sprinkler plan review class
 - Find other inspection and investigation classes to increase knowledge and proficiency as an inspector/ investigator
- Fire Prevention Bureau Advancement
 - Mentor firefighters interested in becoming Fire Inspectors/Investigators
 - Bring a fire investigator class to CFD
 - Acquire funding for new Fire Inspection Software and utilize contractor portal to expedite notification of fire protection systems deficiencies
- City of Columbus/Bartholomew County Collaboration
 - Explain code deficiencies to businesses, help find affordable solutions
 - Network with officials to streamline compliance of neglected properties
 - Research and implement ways to improve Columbus's ISO rating



Office of Public Information - Captain Mike Wilson, PIO

2021 Accomplishments

Managed all CFD Media Platforms

- Submitted 32 Columbus Fire Department Media Releases
- Published monthly "Recap" of Fire department data to City website and Facebook page
- Interviewed on Radio Monthly for PSA and Department Affairs
- Assisted with Evolution Training Center Website Development

Personally installed smoke detectors in Columbus homes

44 Project Lifesaver Battery Changes

Joined Team Rubicon and volunteered for Afghani Refugee Resettlement efforts

Attended Conferences and Training Events

- Fire Department Accreditation Conference
- Fire Department Instructors Conference
- Calm the Chaos: Mastering Fireground Command Training

Obtained Various Certifications

- Advanced Public Information Officer (APIO) - Only 2000 APIOs Nationwide
- Driver Operator Certification
- Driver Operator Pumper Certification
- Fire Officer I and Fire Officer II

Organized CFD Community Involvement

- Annual 911 Remembrance Ceremony
- Light the Night for Fallen Firefighters Observance
- Festival of Lights Parade
- IU School of Architecture and Design – Columbus Public Safety Plaza Project
- CSA Lincoln Annual Career Day
- CSA New Tech High School Community Risk Reduction Program



Office of Public Information – Continued

Partnerships with Other Area Agencies

- Safe Kids Bartholomew County Coalition – CFD Representative
- City of Columbus Dept of Public Works – CPR Crash Course Instructor
- Safe Place Bartholomew County – Agency Lead
- Columbus Police Athletics and Activities League (PAAL) Board Member and CFD Rep
- Child Abuse Prevention (CAP) Pinwheel Garden at Station 1



- Foundation for Youth – “Light our Fire” Community Risk Reduction summer program
- Sheriff’s Camp – Community Risk Reduction Education
- CPD/CFD Youth Police and Fire Academy
- Bartholomew County Emergency Operations Dispatch Center – Fire Dept Familiarization
- Su CASA – Community Risk Reduction Education summer program
- Cummins Engine Company – production of First Responder Video
- Indiana State Police Camp
- CPD – annual Public Safety Family Fun Day



Administration Office Support Staff

Robin McCue, Administrative Assistant

2021 Accomplishments

Managed CFD Administrative Office

- Assisted Fire Chief with public correspondence and speech writing
- Facilitated hazardous material billing and collections

Supported Fire Prevention Bureau Operations

- Maintained current inspection records for 1860 commercial businesses
- Created Fire Prevention Bureau invoice for false alarm billing
- Updated Fire & Life Safety Pre-Inspection checklist
- Ensured updated/accurate data for data analysis

Other

- Appointed Project Manager for upgrading current timekeeping/accrual software
- Implemented uniform items to enhance office staff professional appearance

2022 Goals

Attend FMLA Training to facilitate more accurate tracking and recording

Oversee successful transition to the updated timekeeping/accrual software

Paula Honebrink, Data Analyst

2021 Accomplishments

67 Hours of Professional Development

Appointed CFD's Accreditation Manager

Designed systems to organize, analyze, and internally report:

- Emergency responses and corresponding response time components
- Budget trends and projections

Developed monthly "RECAP" to share CFD operations with the community

Reinstated the monthly submission of National Fire Incident Reporting System (NFIRS) incident reports required by the state of Indiana

2022 Goals

Complete the National Fire Academy (NFA) Community Risk Assessment online course

Facilitate a formal community risk assessment in Columbus with respect to fire operations

Complete all prerequisites for NFA's "NFIRS: Program Management" course



Appendix: Data Analysis Tables & Charts

Definitions

90th Percentile (90%-tile) – data point at which 90% of all values in a data set are equal to or lower than that specific value. *This measurement is used to show what can be consistently expected in a particular performance area.*

Alarm Processing – time elapsed from the dispatch center answering a 911 call to sounding the alarm for an emergency response unit.

Baseline – current status of a particular measured performance

Benchmark – desired goal of a particular measured performance

N – number of values in a specific dataset

NFPA – National Fire Protection Agency

Total Response – total time elapsed from the dispatch center answering a 911 call to the unit arriving on the scene.

Travel – time elapsed from a unit marking en route to that unit arriving on scene.

Turnout – time elapsed from sound the alarm for an emergency response unit to that unit marking en route to the incident.

Abbreviations

Engines 1 – 6.....E-1, E-2, etc. or ENG1, ENG2, etc.

Rescue Squad 2.....SQ2

Rescue Squad 5.....SQ5

Reserve Engines 1 – 3.....RES1, RES2, RES3

Truck 1.....T-1

Stations 1 – 6.....ST1, ST2, etc.

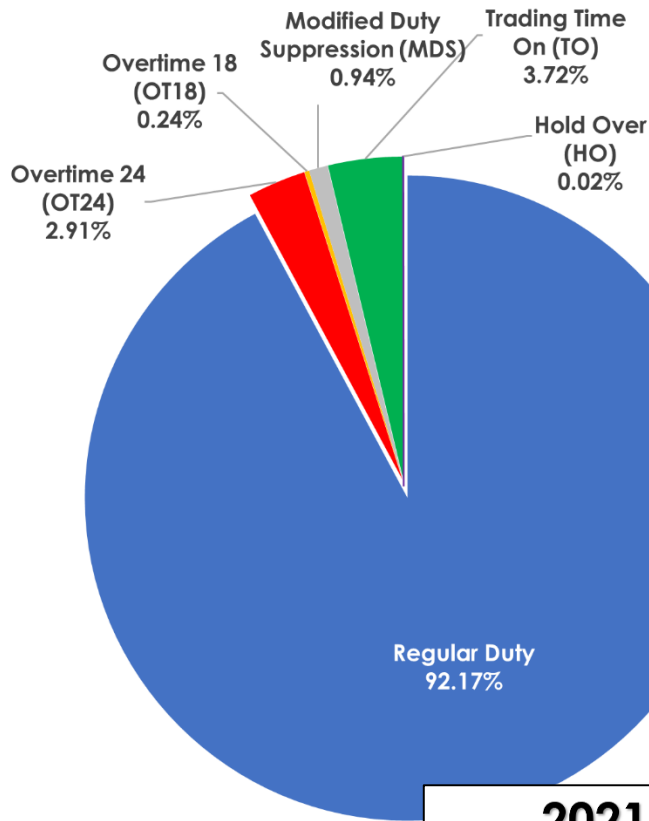
Aircraft Rescue 14 & 99.....A14 & A99

A Note on Travel and Response Times – Due to the location and geographical area of coverage, the travel and response times for incidents occurring in ST6 area are naturally higher than others. This also affects the times of Engine 6, as it most often responds in ST6 area.

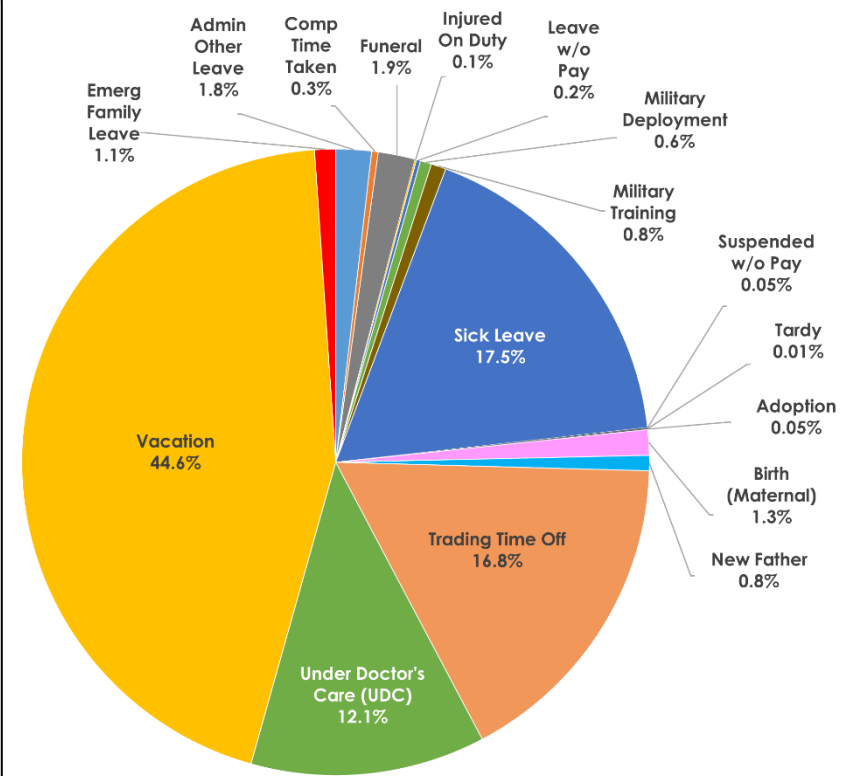
For any questions or comments regarding the following data, contact CFD Data Analyst Paula Honebrink



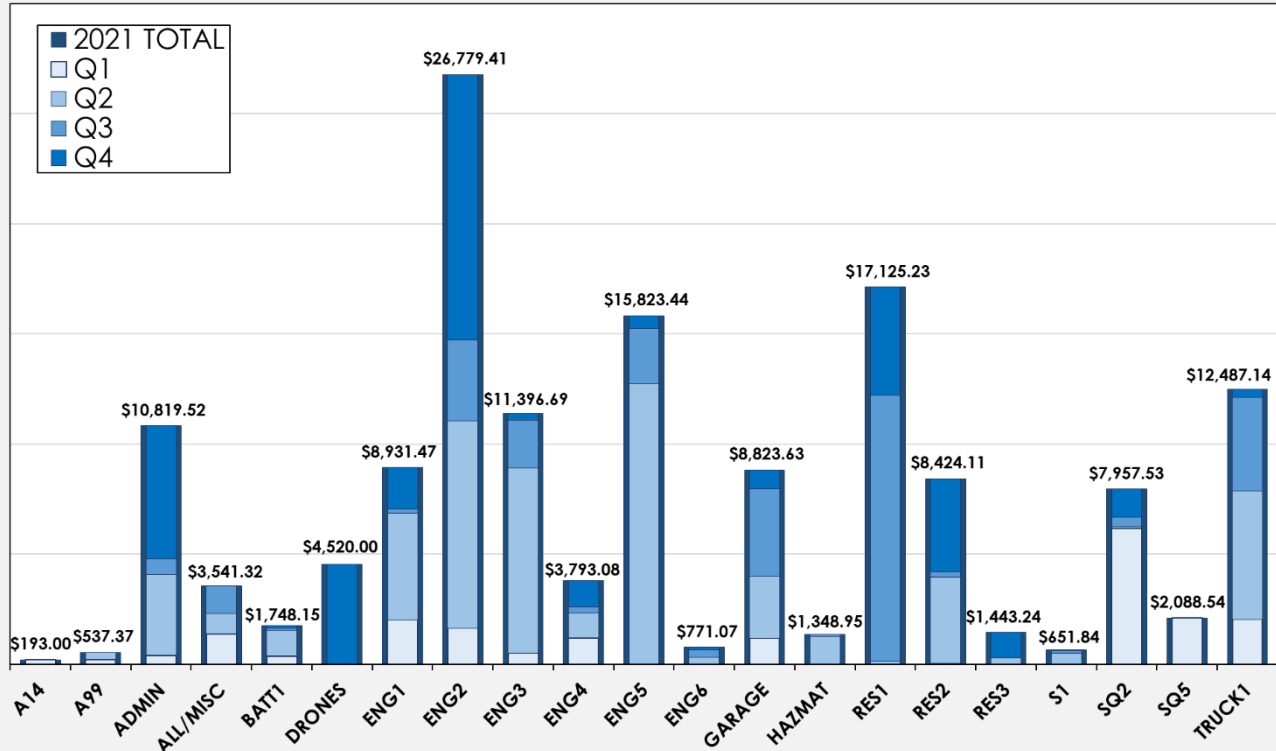
2021 Time Worked Summary



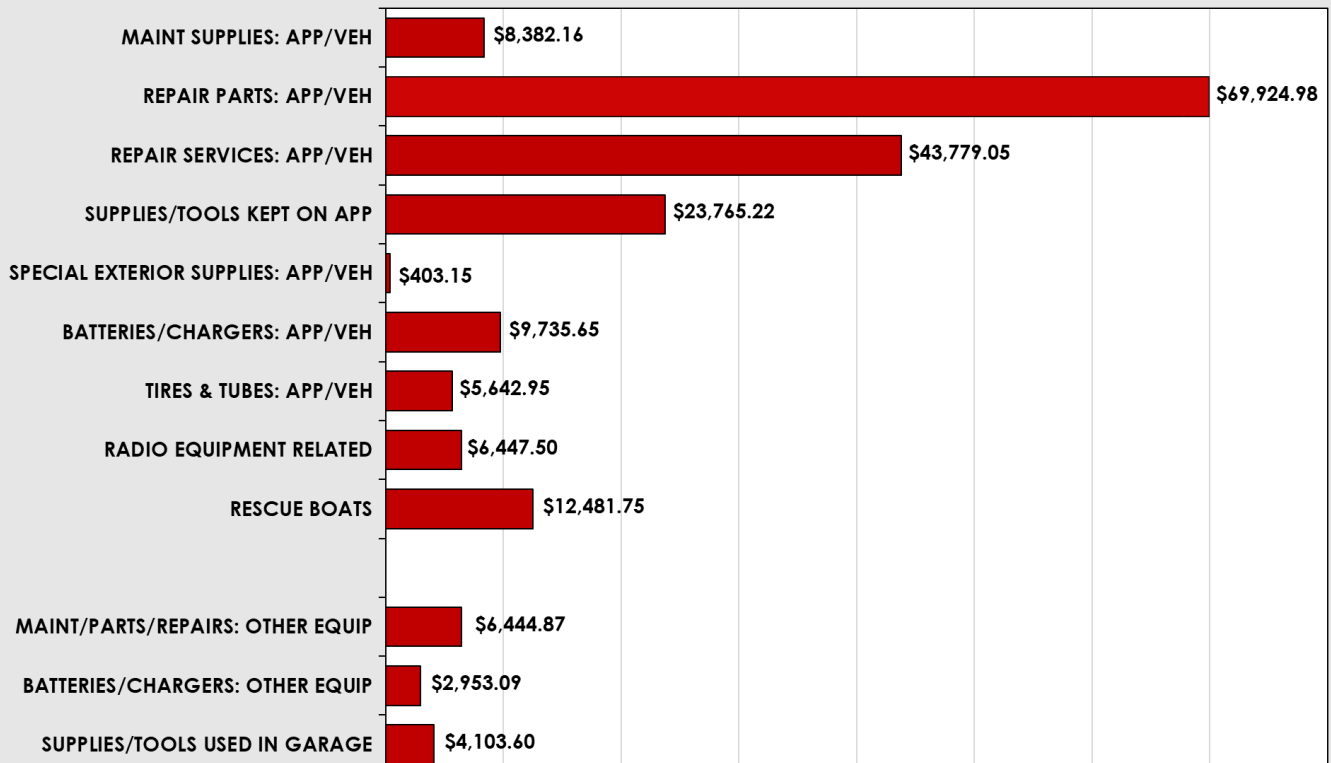
2021 Leave Taken Summary



2021 APPARATUS REPAIRS & MAINTENANCE

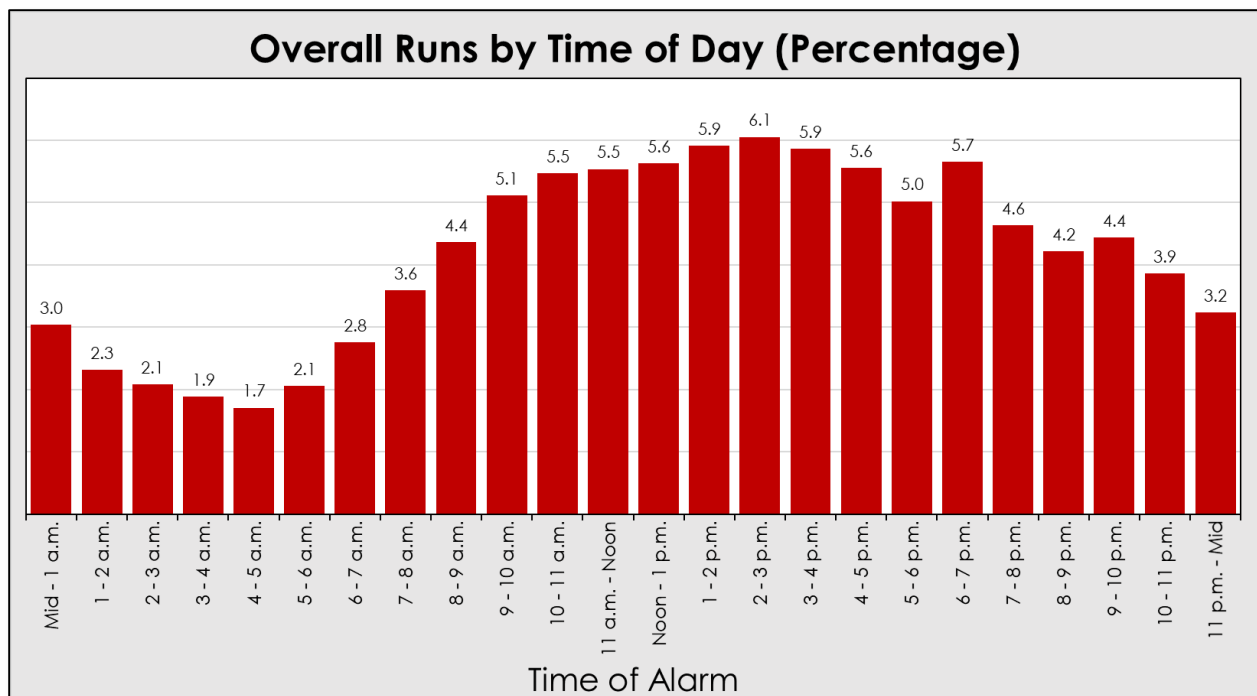
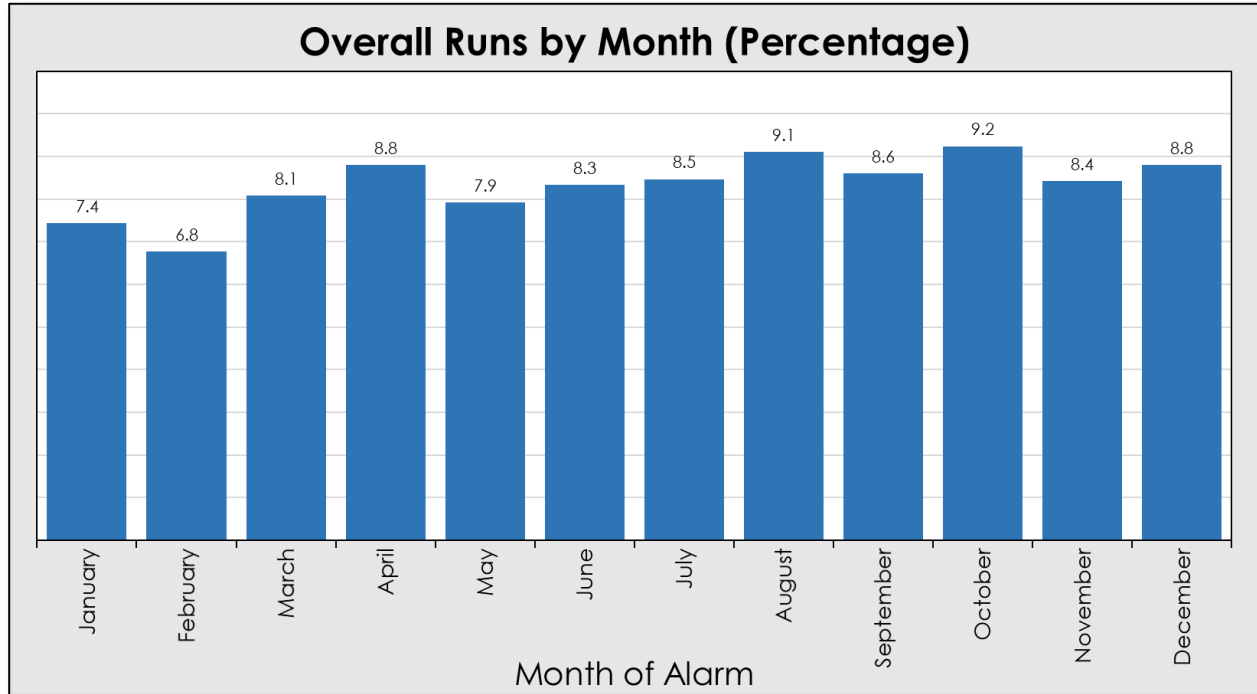


2021 APPARATUS & EQUIPMENT SPENDING by SUBTYPE



CFD Response: 24/7/365

In 2021, the monthly occurrence of runs was relatively consistent, with a slight decrease in January, February, and May. The daily demand for service was steady between the hours of 9 a.m. and 7 p.m., and lower by comparison from 1 – 7 a.m.



Emergency Medical Services (EMS) Type Incidents

2021 EMS INCIDENTS								
90%-tiles: Times by Response Area								
	TIMES	ST1	ST2	ST3	ST4	ST5	ST6	ALL Areas ⁺
ALL UNITS	TURNOUT	0:02:59	0:03:06	0:02:53	0:03:13	0:03:43	0:03:37	0:03:06
	TRAVEL	0:05:15	0:06:29	0:05:37	0:06:17	0:06:40	0:08:38	0:06:13
	RESPONSE	0:08:13	0:09:40	0:08:40	0:09:11	0:10:00	0:12:12	0:09:16
	N	1039	744	976	920	364	196	4243

⁺ Includes 4 responses in the county

2021 EMS INCIDENTS: TIMES BREAKDOWN

Alarm Proc	90% 64s NFPA Benchmk	95% 106s (1:46) NFPA Benchmk	1:46 < AP ≤ 2:30	2:30 < AP ≤ 3:00	> 3 min	Missing Times	Total Runs	90th %tile Baseline
Count	3427	3882	143	43	158	17	4243	0:01:36
%	80.8%	91.5%	3.4%	1.0%	3.7%	0.4%		

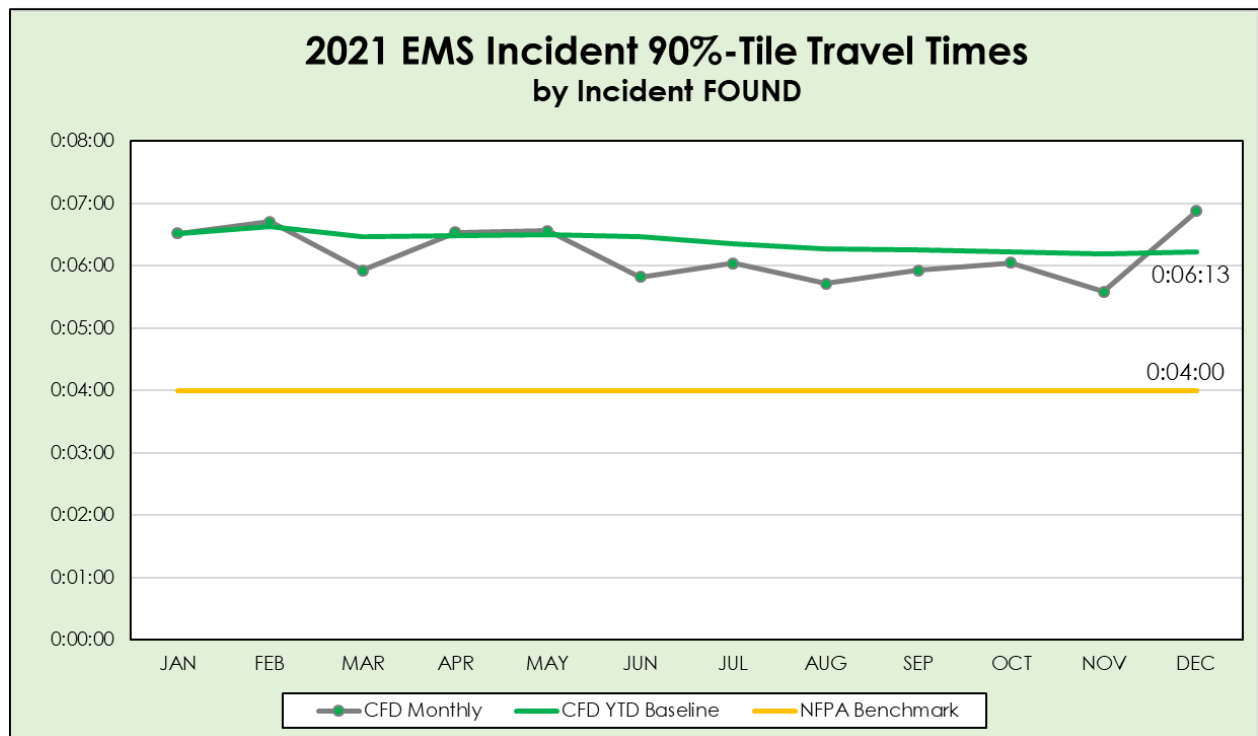
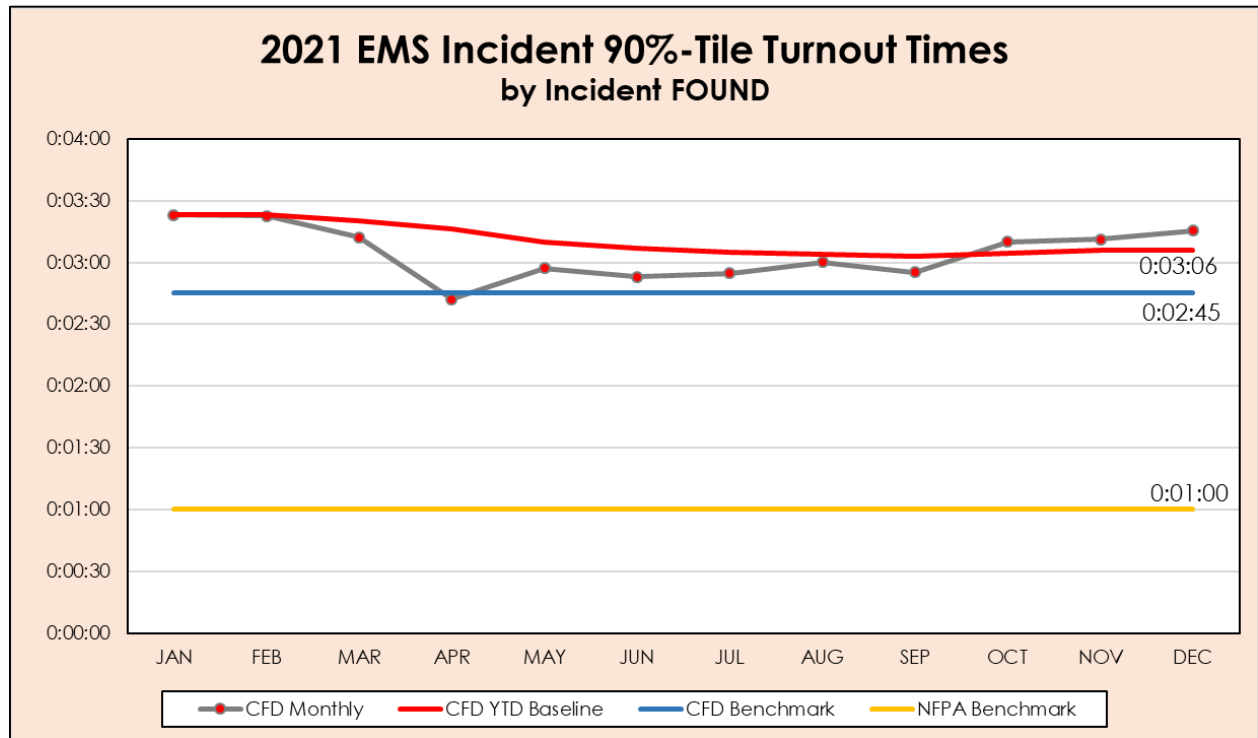
Turnout	60sec NFPA Benchmk	1:00 < T ≤ 1:30	1:30 < T ≤ 2:00	2:00 < T ≤ 3:00	> 3 min	Missing Times	Total Runs	90th %tile Baseline
Count	367	911	1168	1196	479	122	4243	0:03:06
%	8.6%	21.5%	27.5%	28.2%	11.3%	2.9%		

Travel	240sec (4:00) NFPA Benchmk	4:00 < T ≤ 4:30	4:30 < T ≤ 5:00	5:00 < T ≤ 6:00	> 6 min	Missing Times	Total Runs	90th %tile Baseline
Count	2539	336	321	377	458	212	4243	0:06:13
%	59.8%	7.9%	7.6%	8.9%	10.8%	5.0%		

Resp (PSAP to Arr)	< 6:00	6:00 < R ≤ 7:00	7:00 < R ≤ 8:00	8:00 < R ≤ 9:00	> 9 min	Missing Times	Total Runs	90th %tile Baseline
Count	2035	774	537	324	464	109	4243	0:09:16
%	48.0%	18.2%	12.7%	7.6%	10.9%	2.6%		



EMS Time Performance Monthly Trends (Baselines & Benchmarks)



2021 EMS INCIDENTS: TIMES BREAKDOWN (Continued)

Call Volume by Time of Day and Station Area							
ALL Areas ⁺	Time of Day	ST1	ST2	ST3	ST4	ST5	ST6
148	07:00	31	35	28	25	16	13
210	08:00	56	31	51	39	24	9
210	09:00	56	32	45	54	16	7
241	10:00	42	49	72	51	17	9
238	11:00	55	42	49	52	30	9
240	12:00	46	53	47	67	14	13
247	13:00	54	45	58	48	30	12
262	14:00	57	44	65	67	19	10
248	15:00	58	44	63	48	23	12
204	16:00	50	53	36	36	22	7
212	17:00	49	39	38	56	24	6
241	18:00	66	40	55	56	15	9
195	19:00	46	30	50	42	19	8
171	20:00	67	23	32	34	12	3
195	21:00	66	32	43	34	11	9
170	22:00	40	23	41	40	14	12
132	23:00	37	19	34	29	7	6
130	00:00	36	17	34	23	11	9
95	01:00	24	20	19	19	8	5
87	02:00	21	18	22	16	5	5
79	03:00	15	13	17	21	9	4
79	04:00	20	14	19	17	4	5
85	05:00	19	12	25	20	6	3
124	06:00	28	16	33	26	8	11
4243	ALL	1039	744	976	920	364	196

This chart shows how often CFD responded to EMS type incidents by time of day and area. (Green = least busy, Red = most busy)

90%-Tile TRAVEL TIME (minutes) by Time of Day/Station Area							
ALL Areas ⁺	Time of Day	ST1	ST2	ST3	ST4	ST5	ST6
06:09	07:00	05:35	06:10	06:13	06:28	05:50	06:09
06:46	08:00	05:00	07:12	05:24	06:22	09:42	08:22
06:11	09:00	06:25	06:01	05:40	06:10	06:45	09:13
06:16	10:00	05:28	07:20	06:07	05:26	07:09	07:49
06:28	11:00	05:03	06:28	05:28	07:27	06:49	08:44
06:14	12:00	04:57	06:46	04:28	06:51	05:14	06:56
05:51	13:00	04:40	06:30	05:07	06:50	05:47	08:36
06:29	14:00	04:53	05:58	06:43	06:16	06:35	08:23
05:35	15:00	05:25	05:37	05:18	06:33	05:35	05:13
05:54	16:00	04:53	05:42	05:11	06:14	06:29	07:23
06:15	17:00	04:50	05:52	06:12	06:34	05:19	10:12
05:47	18:00	04:33	07:10	05:15	05:47	04:47	08:43
06:03	19:00	04:39	06:26	04:23	05:24	05:08	08:36
06:09	20:00	06:08	05:49	05:22	07:20	04:44	04:03
05:13	21:00	04:29	05:13	05:36	05:14	04:17	07:38
06:19	22:00	04:42	05:46	04:49	06:55	05:27	09:28
06:00	23:00	05:10	07:11	05:57	04:45	06:49	06:22
06:43	00:00	04:50	06:48	05:50	06:06	07:10	12:23
06:13	01:00	06:13	07:10	05:23	04:32	09:39	07:30
06:30	02:00	06:20	05:56	05:17	05:00	09:07	07:20
06:59	03:00	06:04	07:09	06:36	05:02	05:47	11:13
06:42	04:00	05:22	05:40	06:57	05:06	05:33	09:30
06:13	05:00	05:24	04:34	05:43	06:27	09:51	06:49
06:36	06:00	05:33	06:45	05:36	06:22	07:04	09:57
06:13	ALL	05:15	06:29	05:37	06:17	06:40	08:38

90%-Tile RESPONSE TIME (minutes) by Time of Day and Station Area

ALL Areas ⁺	Time of Day	ST1	ST2	ST3	ST4	ST5	ST6
08:48	07:00	07:58	09:00	08:40	10:01	08:56	07:56
09:56	08:00	07:25	11:53	07:54	08:40	12:19	11:25
08:59	09:00	08:20	08:15	08:55	08:59	10:07	11:25
08:52	10:00	08:15	09:57	07:49	08:15	09:14	09:39
09:07	11:00	08:20	08:19	08:11	09:36	09:10	13:09
09:01	12:00	07:46	09:46	07:17	09:00	08:52	09:51
08:17	13:00	06:44	09:18	07:07	09:09	08:24	11:04
09:09	14:00	07:06	08:20	09:46	09:09	09:07	10:16
08:24	15:00	08:02	08:39	08:18	09:11	08:16	07:55
08:45	16:00	08:33	08:18	08:44	09:04	08:39	10:23
09:26	17:00	07:50	09:07	08:55	09:34	08:24	13:09
08:13	18:00	07:22	09:53	07:24	07:51	08:05	11:01
08:37	19:00	06:47	09:43	06:47	07:37	07:43	10:37
08:55	20:00	07:56	09:31	08:15	09:59	07:23	06:00
08:18	21:00	07:21	08:23	08:25	08:16	06:55	10:49
09:43	22:00	07:56	08:41	07:35	09:40	09:44	12:22
09:07	23:00	07:43	10:24	08:51	08:12	10:41	09:02
10:29	00:00	08:19	10:04	09:12	09:54	12:25	16:24
09:37	01:00	09:28	09:41	08:44	07:41	14:11	11:41
10:28	02:00	10:32	09:25	08:32	08:22	13:06	11:34
10:39	03:00	10:05	11:04	10:58	08:48	09:13	13:59
09:52	04:00	08:58	09:31	09:35	08:58	08:58	13:34
09:58	05:00	09:35	09:07	08:59	09:15	15:01	10:36
10:19	06:00	09:20	10:20	09:16	09:45	10:42	12:58
09:16	ALL	08:13	09:40	08:40	09:11	10:00	12:12

⁺ Includes 4 responses in the county



Fire, Rescue, & Special Operations Type Incidents

2021 FIRE, RESCUE, & SPOPS INCIDENTS 90%-tiles: Times by Response Area								
	TIMES	ST1	ST2	ST3	ST4	ST5	ST6	ALL Areas ⁺
1ST DUE UNITS	TURNOUT	0:02:35	0:02:52	0:03:00	0:02:36	0:03:32	0:03:41	0:03:02
	TRAVEL	0:06:46	0:07:30	0:05:55	0:05:30	0:05:50	0:10:13	0:07:15
	RESPONSE	0:11:54	0:11:42	0:11:25	0:11:18	0:10:03	0:15:06	0:13:23
	N	121	62	99	52	38	21	409
ALL RESP UNITS	TURNOUT	0:03:16	0:03:02	0:03:14	0:02:56	0:03:42	0:04:03	0:03:20
	TRAVEL	0:08:42	0:07:58	0:08:52	0:08:02	0:09:40	0:12:52	0:09:33
	RESPONSE	0:13:35	0:12:19	0:12:51	0:11:39	0:13:15	0:17:38	0:13:52
	N	288	145	224	127	99	40	957

⁺ Includes responses in the county

2021 FIRE/SP.OPS INCIDENTS: TIMES BREAKDOWN

Alarm Proc	90% ≤ 1:04 NFPA Benchmk	95% ≤ 1:46 NFPA Benchmk	1:46 < AP ≤ 2:30	2:30 < AP ≤ 3:00	> 3 min	Number of Incidents	90th %tile Baseline
Count	239	332	50	12	18	412	0:02:15
%	58.0%	80.6%	12.1%	2.9%	4.4%		

Fire Type Incidents Only

Alarm Proc	90% ≤ 1:04 NFPA Benchmk	95% ≤ 1:46 NFPA Benchmk	1:46 < AP ≤ 2:30	2:30 < AP ≤ 3:00	> 3 min	Number of Fire Incidents	90th %tile Baseline
Count	91	116	8	2	1	127	0:01:41
%	71.7%	91.3%	6.3%	1.6%	0.8%		

158 Units Cleared Before Arrival (unnecessary/disregarded)

37 Units dispatched after initial assignment (incident escalated)

7 Aircraft Standby incidents

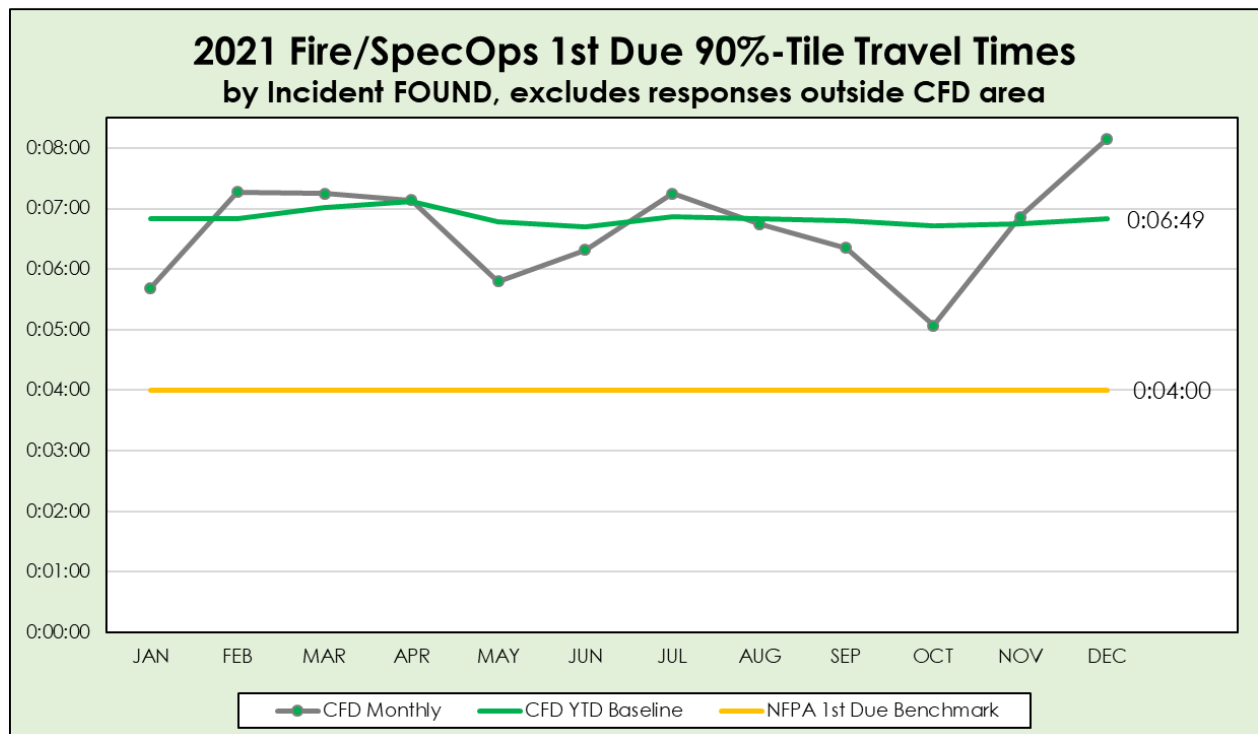
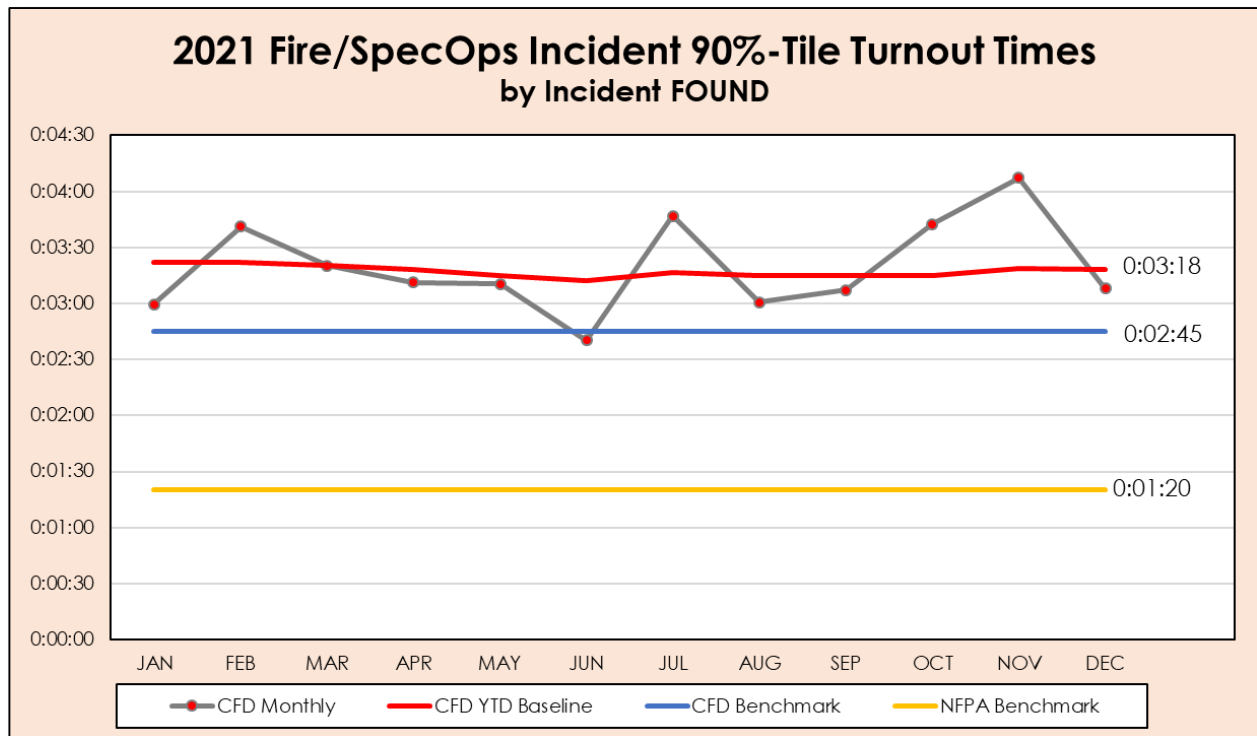
9 Drone Call Outs

All Units Turnout	80sec NFPA Benchmk	1:20 < T ≤ 2:00	2:00 < T ≤ 3:00	> 3 min	Missing Times	Total Number of Units	90th %tile Baseline
Count	160	300	295	134	67	957	0:03:20
%	16.7%	31.3%	30.8%	14.0%			

1st Arriving Travel	240sec (4:00) NFPA Benchmk	240 < T ≤ 3:00	3:00 < T ≤ 3:60	> 6 min	Missing Times	Total 1st Arr Units	1st Arr 90th %tile Baseline
Count	209	65	48	68	19	409	0:07:15
%	51.1%	15.9%	11.7%	16.6%			



Fire, Rescue, & Spec Ops Time Performance Monthly Trends (Baselines & Benchmarks)



2021 FIRE, RESCUE, & SP. OPS INCIDENTS: TIMES BREAKDOWN (Continued)

Call Volume by Time of Day and Station Area							
ALL Areas ⁺	Time of Day	ST1	ST2	ST3	ST4	ST5	ST6
18	07:00	5	6	3	0	3	0
10	08:00	3	2	1	1	1	2
20	09:00	6	4	6	3	1	0
23	10:00	6	4	4	4	3	1
17	11:00	4	4	4	2	1	1
26	12:00	6	5	5	3	3	2
34	13:00	5	4	12	4	3	3
28	14:00	12	6	6	4	0	0
39	15:00	13	6	8	4	6	2
40	16:00	17	2	11	2	5	3
21	17:00	8	1	7	3	1	0
26	18:00	6	4	4	8	1	0
18	19:00	6	2	4	5	1	0
14	20:00	4	2	4	1	1	2
12	21:00	3	4	3	0	1	0
8	22:00	3	2	2	0	1	0
18	23:00	4	3	3	3	3	0
11	00:00	1	2	4	2	0	1
10	01:00	4	2	3	1	0	0
2	02:00	0	0	0	1	0	1
4	03:00	2	1	0	0	0	0
3	04:00	0	0	3	0	0	0
7	05:00	2	0	2	1	0	1
8	06:00	1	0	0	0	3	2
417	ALL	121	66	99	52	38	21

90%-Tile 1ST DUE TRAVEL TIME (minutes) by Time of Day/Station Area							
ALL Areas ⁺	Time of Day	ST1	ST2	ST3	ST4	ST5	ST6
07:05	07:00	05:54	10:13	05:10	00:00	07:38	
05:22	08:00	04:06	06:23	05:13	02:53	03:09	03:33
06:33	09:00	05:23	07:52	03:57	04:32	06:39	
08:42	10:00	04:41	07:54	05:37	04:27	04:04	11:49
08:14	11:00	06:16	13:02	07:57	02:31	04:11	03:35
05:29	12:00	05:19	04:03	04:57	02:59	07:29	03:48
06:08	13:00	04:55	05:08	04:25	07:17	04:10	03:22
09:09	14:00	13:06	07:31	06:03	05:58		
07:31	15:00	07:53	09:21	09:08	04:56	04:28	06:43
06:44	16:00	06:56	02:50	05:19	04:12	04:54	06:26
07:03	17:00	07:37	05:16	03:12	04:26	02:26	
09:22	18:00	10:31	05:33	05:35	04:55	02:58	
05:28	19:00	05:31	04:36	04:24	08:12	00:35	
07:11	20:00	03:29	07:01	06:40	03:12	04:01	08:25
06:25	21:00	04:45	06:13	06:11		01:52	
05:27	22:00	03:48	07:10	04:21		03:51	
06:37	23:00	05:44	05:46	04:12	04:54	08:24	
10:19	00:00	00:00	05:00	03:56	04:28		09:49
06:23	01:00	06:36	04:44	05:55	04:45		
11:54	02:00				02:47		12:55
06:25	03:00	06:21	05:03				
05:35	04:00			05:35			
08:17	05:00	03:57		03:47	01:28		08:29
04:36	06:00	02:13				04:20	04:25
07:15	ALL	06:46	07:30	05:55	05:30	05:50	10:13

This chart shows how often CFD responded to fire, rescue, & special operations type incidents by time of day and area.
(Green = least busy, Red = most busy)

90%-Tile 1ST DUE RESPONSE TIME (minutes) by Time of Day/Station Area							
ALL Areas ⁺	Time of Day	ST1	ST2	ST3	ST4	ST5	ST6
12:38	07:00	10:23	14:15	11:20		12:52	
09:18	08:00	12:27	07:54	08:47	05:38	06:27	06:49
09:17	09:00	07:41	11:19	07:28	13:12	08:53	
15:12	10:00	10:10	13:41	14:39	07:15	07:53	14:56
13:00	11:00	08:50	15:11	13:00	05:05	07:17	06:21
12:18	12:00	08:56	07:07	11:33	05:35	09:49	07:32
14:14	13:00	12:26	07:59	07:44	16:03	07:23	08:18
14:14	14:00	15:07	15:06	10:08	07:38		
13:09	15:00	16:13	12:48	11:18	08:23	07:29	09:37
10:30	16:00	10:34	05:02	09:44	08:00	10:00	11:48
12:24	17:00	12:48	07:21	06:29	07:34	06:27	
13:05	18:00	13:38	10:06	09:05	10:51	05:48	
11:45	19:00	10:21	07:11	10:29	11:04	04:23	
09:01	20:00	06:04	09:01	08:21	05:48	08:57	11:32
10:45	21:00	07:04	09:29	10:26		07:03	
08:53	22:00	07:22	10:42	07:37		07:52	
12:44	23:00	10:52	09:58	11:24	11:01	12:57	
13:25	00:00	00:00	10:16	08:55	07:39		13:25
12:17	01:00	11:29	08:57	16:07	07:51		
16:20	02:00				06:23		17:26
15:57	03:00	07:50	10:24				
09:53	04:00			09:53			
15:03	05:00	06:57		07:46	05:42		16:31
10:43	06:00	05:19				08:24	09:57
13:23	ALL	11:54	11:42	11:25	11:18	10:03	15:06

⁺ Includes responses in the county

