



# Louisville Fire Protection District

## General Agenda Items

For: Board of Directors Meeting

Date: August 12, 2021

Time: 7:00 p.m.

Location: Fire Station #2, 895 Via Appia Way, Louisville, CO 80027

Will also broadcast through ZOOM, see attached instructions to access the meeting

- 1. Call to Order & Roll Call**
- 2. Pledge of Allegiance**
- 3. Approval of Agenda**
- 4. Public Comments (on items not on the agenda)**
- 5. ViaTek Presentation**
- 6. Matt Calnan - SharePoint Presentation**
- 7. Lt. Bowler - Preplan Presentation**
- 8. Consent Agenda**
  - a. Approval of Minutes
  - b. Financial Report
  - c. Performance Statistics
- 9. Unfinished Business**
  - a. Next Step for Strategic Plan
- 10. New Business**
  - a. Audit
- 11. Reports**
  - a. Chief Willson
  - b. Election Committee Update
  - c. Engaged on Purpose Survey Update
- 12. Approval of Bills**
- 13. Executive Session (if necessary)**
- 14. Board Comments**
- 15. Future Agenda Item – Set Budget Work Session**
- 16. Adjournment**

# NOTICE

The regular meeting of the Louisville Fire Protection District Board of Directors will be held at 7:00 p.m. on August 12, 2021 at Fire Station #2, 895 Via Appia Way, Louisville, Colorado.

The meeting will also be broadcast through Zoom. Please see the following instructions to access the meeting.

## **Join Zoom Meeting**

One tap mobile:

US: [+12532158782,,81670484763#](tel:+12532158782,,81670484763#) or  
[+13462487799,,81670484763#](tel:+13462487799,,81670484763#)

Meeting URL:

<https://us02web.zoom.us/j/81670484763>

Meeting ID: 816 7048 4763

## **Join by Telephone**

For higher quality, dial a number based on your current location.

Dial:

US: +1 253 215 8782 or +1 346 248 7799 or +1 669 900  
9128 or +1 301 715 8592 or +1 312 626 6799 or +1 646 558  
8656

Meeting ID: 816 7048 4763

**LFPD**  
**Board of Directors**  
**Meeting Minutes**

**Regular Meeting**  
**July 8, 2021**

**Louisville Fire Protection District  
Board of Directors Regular Meeting  
July 8, 2021**

In Attendance: Board members Boven, Clemenson, Milanski, Schmidt, Varra  
Chief Willson

The meeting was held at Fire Station #2, 895 Via Appia Way and also broadcast through ZOOM.

President Schmidt called the meeting to order at 7:00 p.m. The Pledge of Allegiance was recited. Roll call was taken and all board members were present. Board member Clemenson moved to approve the minutes of the 6/10/21 regular meeting. Board member Varra seconded, motion carried.

Chief Willson presented the proposed new agenda format. Board member Boven moved to approve it, Board member Milanski seconded, motion carried.

Lt. Udden gave an update on Union activities.

Chief Willson presented the proposal from the Center for Public Safety Excellence for Standards of Cover And Community Risk Assessment. He will present more information at the next board meeting.

Chief Willson reported that ViaTek recommends adding more protection to our filtering due to ransomware. Board member Milanski moved to approve it. Board member Clemenson seconded, motion carried.

Chief Willson presented the proposed 2022 Union contract. Board member Boven moved to approve it and Board member Milanski seconded. President Schmidt called for a roll call vote.

Director Boven – approved  
Director Clemenson – approved  
Director Milanski – approved  
President Schmidt – no  
Director Varra – approved

Motion carried.

Chief Willson presented his report, providing an update on fire department activities.

HR Director Samiyyah Jackson explained the Engaged on Purpose survey process and gave an update on HR activities.

Election Committee – Discussion of mail-in versus polling place elections, response rates and associated costs. Discussion will continue at the next board meeting.

Website Committee – Nothing new.

Fire Marshal Mestas introduced Emily Kircher, our new fire inspector.

Performance statistics were reviewed.

Financial Report

General Fund

Checking:

Old Balance	5/31/2021		\$ 307,927.27
Deposits			\$ 1,090,908.46
	May County Check	\$ 732,567.99	
	Ambulance Transports	47,026.21	
	Ambulance Subscriptions	205.00	
	Pension Fund	108,540.00	
	(Pension Checks 2nd Qtr 2021)		
	US Bank General Fund	200,000.00	
	Money Market		
	CPR Class Fees	60.00	
	Report Copies	28.00	
	Plan Reviews	2,481.26	
New Balance			\$ 1,398,835.73
Disbursements			\$ 967,235.37
	Bills	\$ 558,695.37	
	Pension Checks	108,540.00	
	2nd Qtr 2021		
	US Bank General Fund	300,000.00	
	Money Market		
New Balance	6/30/2021		\$ 431,600.36

Reserve Fund:

(Includes Emergency Reserve)

\$ 7,588,083.77

US Bank Money Market \$7,588,083.77

Other:

\$ 1,467,683.21

Length of Service Accounts \$ 89,367.40  
 Capital Reserve 1,378,315.81

Board member Boven moved to approve the Financial Report. Board member Milanski seconded, motion carried.

Bills

Colo Div - Fire Prevention & Control	Exams	\$ 90.00
Roth Medical	Oxygen replacement tanks	270.00
Via Tek	PC/network support, managed services, 4 ToughPads	16,014.00
Mountain View FPD	E-E; repair coolant leak	1,009.13
	E-D; air compressor expansion valve, repair coolant leak	
Center for Public Safety Excellence	Strategic planning	6,000.00
Bound Tree Medical	Medical supplies	1,092.94
SCL Health Systems	New employee physicals	1,174.50

Knox Company	KnoxConnect cloud license	\$ 425.00
Teleflex LLC	Medical supplies	562.50
Equipment Savers Inc	Filled fuel tank - St 3	1,688.85
Home Depot	Fertilizer, bark, weed killer, broom handles	318.64
Louisville Auto Supply	DEF, terminal connectors, cleaning supplies, floor dry, concrete degreaser, bulb, nozzle, batteries, oil	196.10
Via Tek	PC/network support; managed services	2,308.50
Verizon Wireless	Cell phone service	1,702.49
Professional Services	Cleaned windows - all stations	1,425.00
TG Technical Services	Calibration gases	2,343.00
North Main Apartments	Door repairs	104.27
HireRight LLC	Background checks	976.14
Colo Firefighter Heart Benefits Trust	Cancer award coverage	9,471.00
Colo Firefighter Heart Benefits Trust	Heart award coverage	4,900.00
Daniel Hunter	Reimb - training registration	350.00
Nicholas Houston	Reimb - training registrations	565.00
CTC Owners Assn	Dues	297.26
Green Valley Lawn Service	Lawn maintenance	880.00
Xcel Energy	Utilities	2,793.21
Western Disposal	Trash removal	420.25
WEX Bank	Fuel - fleet	1,002.88
CenturyLink	Data bundle - St 3	594.98
Municipal Emergency Services	SCBA flow tests and repairs	1,578.75
Grammarly	Subscription renewal	2,900.00
Zoll Medical	Life band & shoulder restraints	555.73
DIRECTV	TV - St 3	81.99
Teleflex LLC	Medical supplies	612.50
Colleen Foster	Medical direction	6,368.75
STP Concrete	Concrete work - all stations, rewire electrical wire	47,321.00
A Path Forward LLC	Counseling sessions	160.00
Metro Door Specialists	Burn tower & St 2 door repairs	360.00
ROI Fire & Ballistics Equipment	Liquid Smoke, goggles, ear lap, helmets	1,835.78
LifeMed Safety, Inc	Heart monitor supplies	6,780.10
US Bank	CC; monthly fees (Adobe Pro, Stamps.com, Ring Central), office/station/training/medical supplies, cable TV, water & sewer, high-speed internet, legal fees, postage, drinking water, sprinkler start-up, lighting repairs - St 2, class registrations, Digital Combustion software, coveralls, shipping fees, headlight assembly E-D & medic units- monitor holders & HAAS installed M-B tire repair; M-D door handle repair; M-C oil change & rotate tires; M-B stretcher repair; E-E waxed engine; M-B & M-C emission tests	13,100.31
WageWorks, Inc	FSA administrative fees	71.00
US Bank	Service fees	89.50

IRS	Medicare Hospital Insurance	\$ 4,218.84
PERA	Employer contribution – May	43,581.45
PERACare	Health insurance – May	42,947.55
John Willson	Wages	11,705.62
Chris Mestas	Wages	9,054.38
Jackie Fry	Wages	8,716.80
Brian Jackson	Wages	9,480.90
Samiyyah Jackson	Wages	7,499.04
Shawn Stark	Wages	8,976.00
DeAnne Wixson	Wages	3,555.20
James Medina	Wages	1,287.51
Emily Kircher	Wages	3,446.24
James Bage	Wages	7,574.00
Adam Bowler	Wages	9,772.23
Adam Bowler	2021 TOWP Buyback	3,400.32
Brian Brindisi	Wages	7,793.66
Christopher Bussard	Wages	6,781.58
Asa Capsouto	Wages	4,950.92
Kyle Carlson	Wages	2,226.24
Casey Conrad	Wages	6,414.34
Codi Courtney	Wages	6,775.54
Andrea Crass	Wages	5,660.20
Isabella Dean	Wages	5,122.92
Thomas Gillis	Wages	8,550.24
Jesse Hickox	Wages	8,363.48
Nicholas Houston	Wages	8,071.62
Daniel Hunter	Wages	6,643.10
Brandon Kodey	Wages	2,226.24
McKinley Land	Wages	7,134.58
Cassidy Lear	Wages	9,688.82
Jillian Luebke	Wages	5,576.26
Khristian Lukianov	Wages	7,343.80
Grant Medina	Wages	6,869.68
Chris Melvin	Wages	12,795.38
Brian O'Mara	Wages	5,896.68
Victor Oliveira	Wages	6,974.62
Jason Rogers	Wages	8,160.62
Timothy Rossette	Wages	9,542.00
Brian Saxon	Wages	7,574.00
Elizabeth Schenk	Wages	2,226.24
Diane Schroeder	Wages	11,789.05
Jeff Schuppe	Wages	10,148.25
Jeff Schuppe	2021 TOWP Buyback	1,400.00
Dustin Sieve	Wages	8,466.12
Evan Smart	Wages	6,534.14
Pierumberto Sosta	Wages	5,321.68
John Udden	Wages	9,435.74
Nicolas Venot	Wages	5,763.13
Andrew Welsh	Wages	5,128.24
Chris Whitson	Wages	8,768.13

Larry Boven	6/10/21 Regular board meeting	\$ 75.00
Shawn Clemenson	6/10/21 Regular board meeting	75.00
John Milanski	6/10/21 Regular board meeting	75.00
Chris Schmidt	6/10/21 Regular board meeting	75.00
Matthew Calnan	Special project	<u>271.00</u>
TOTAL		\$ 558,695.37

Board member Boven moved to approve the payment of the bills. Board member Milanski seconded, motion carried.

With no further business, it was moved and seconded to adjourn. Motion carried.

Respectfully submitted,



Jackie Fry, Secretary

DRAFT



# **Financial Report**

**Louisville Fire Protection District  
Financial Report for Approval  
August 12, 2021**

**General Fund**

Checking:

Old Balance	6/30/2021		\$ 431,600.36
Deposits			\$ 2,295,928.94
	June County Check	\$ 1,712,057.97	
	Ambulance Transports	68,155.70	
	Interest	34.94	
	(Late Amb Transport Payments)		
	Ambulance Subscriptions	275.00	
	US Bank General Fund	500,000.00	
	Money Market		
	US Bank	6,391.59	
	(LOSA)		
	Boulder County Hazmat	1,619.12	
	Response Authority		
	(OT/Backfill OT - 1Q2021)		
	Colo State Firefighters	2,500.00	
	Foundation		
	(Grant -Extrication Training)		
	Fuel Tax Reimbursement	256.08	
	Virginia Dionigi	105.00	
	(Penson Reimb - Deceased)		
	Report Copies	16.50	
	Plan Reviews	4,517.04	
New Balance			\$ 2,727,529.30
Disbursements			\$ 2,240,130.90
	Bills	\$ 738,775.82	
	Ambulance Transport	1,250.08	
	Refunds		
	Pension Fund	105.00	
	(V Dionigi Reimb - Deceased)		
	US Bank General Fund	1,500,000.00	
	Money Market		
New Balance	7/31/2021		\$ 487,398.40

Reserve Fund:

(Includes Emergency Reserve)			\$ 8,590,136.17
US Bank Money Market		\$ 8,590,136.17	

Other:

Length of Service Accounts		\$ 82,976.14	
Capital Reserve		1,376,301.75	

# **List of Accounts**

**LOUISVILLE FIRE PROTECTION DISTRICT LIST OF ACCOUNTS - July 31, 2021**

**Pension Fund**

Bank	Type of Account	Interest Rate	Maturity Date	Amount
Wells Fargo Advisors	Money Market		Daily	\$ 31,437.94
Wells Fargo Advisors	Fidelity Institutional Treasury	1.97%	Daily	197,610.11
Wells Fargo Advisors	Federal Farm Credit Bank	2.47%	7/18/2035	82,158.75
Wells Fargo Advisors	US Treasury Bonds	4.50%	2/15/2036	35,113.25
Wells Fargo Advisors	Federal Farm Credit Bank	4.300%	6/15/2037	91,332.16
Wells Fargo Advisors	Tenn Valley Authority Notes	4.875%	1/15/1948	369,922.50
Wells Fargo Advisors	Tenn Valley Authority Strip	0.000%	7/15/2047	124,092.16
Wells Fargo Advisors	Federal Farm Credit Bank	3.125%	12/5/1933	141,072.00
Wells Fargo Advisors	Federal Farm Credit Bank	3.61%	3/9/1944	170,209.35
Wells Fargo Advisors	Federal Farm Credit Bank	3.00%	9/14/2037	289,625.00
Wells Fargo Advisors	Federal Farm Credit Bank	3.46%	3/9/1938	255,786.74
Wells Fargo Advisors	Fed Home Loan Bank	2.625%	9/12/2025	97,510.50
Wells Fargo Advisors	Tenn Valley Authority	5.25%	9/15/1939	219,918.00
Wells Fargo Advisors	Federal Natl Mortgage	1.415%	8/27/2035	239,842.50
Wells Fargo Advisors	Federal Farm Credit Bank	3.15%	8/7/1934	121,577.08
Wells Fargo Advisors	Federal Agric Mortgage Corp (medium term note)	1.72%	7/8/1930	99,288.00
<b>TOTAL</b>				<b>\$ 2,566,496.04</b>

**General Fund**

Bank	Type of Account	Interest Rate	Maturity Date	Amount
US Bank	Money Market		n/a	\$ 8,590,136.17
US Bank	Capital Reserve		n/a	1,376,301.75
US Bank	Length of Service Awards		n/a	82,976.14
<b>TOTAL</b>				<b>\$ 10,049,414.06</b>

# **Performance Statistics**

# Louisville Fire Department

# Memo



**To:** Chief Willson  
**From:** Administration  
**Date:** 08/01/2021  
**Re:** July Call Statistics

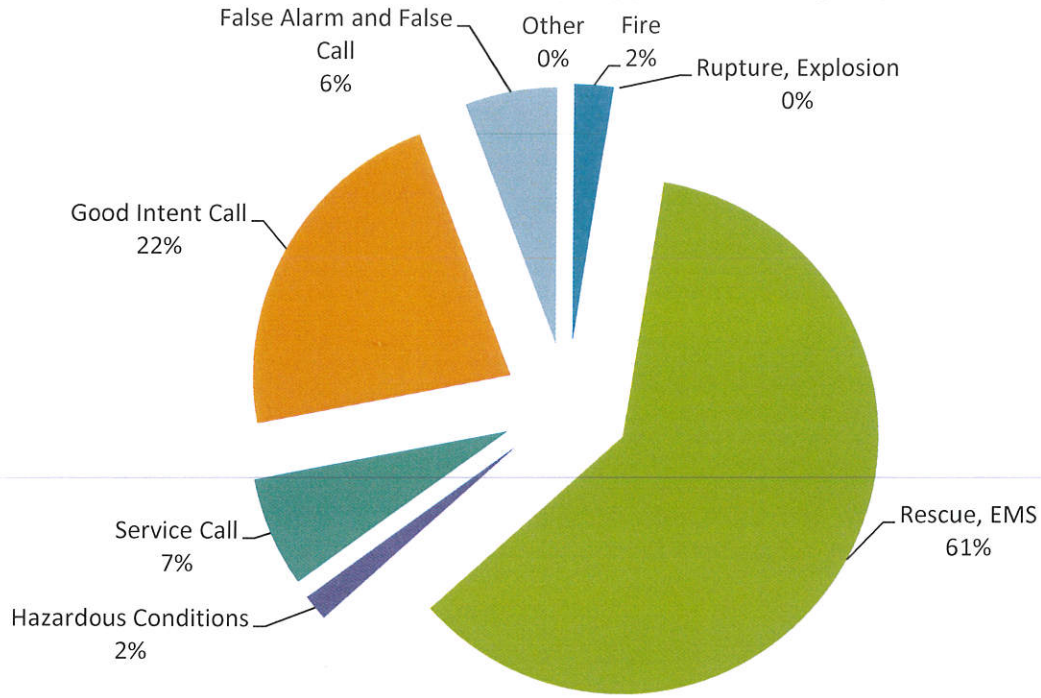
## Types / Number of Calls

	<u>July 2021</u>	<u>July 2020</u>
100 Fire	9	11
200 Rupture, Explosion	0	0
300 Rescue, EMS	219	154
400 Hazardous Conditions	6	7
500 Service Call	25	30
600 Good Intent Call	80	68
700 False Alarm and False Call	21	9
Total	360	279

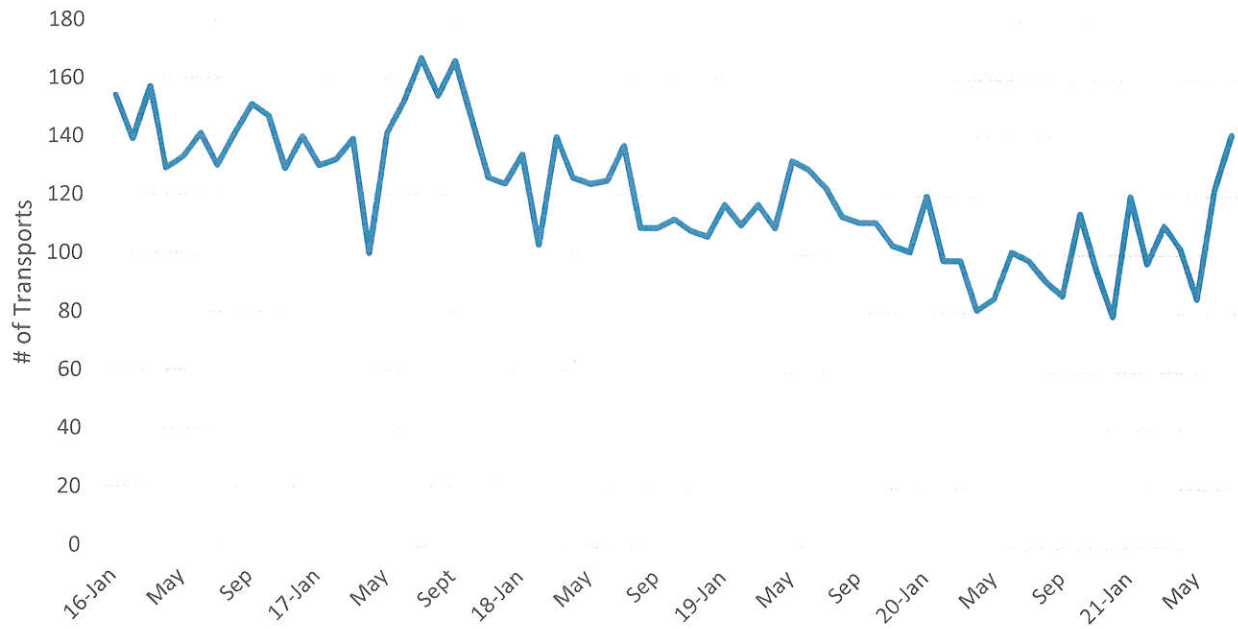
## Total Number of Calls by Month

	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec	Total
Louisville	265	264	283	292	268	288	360						2020

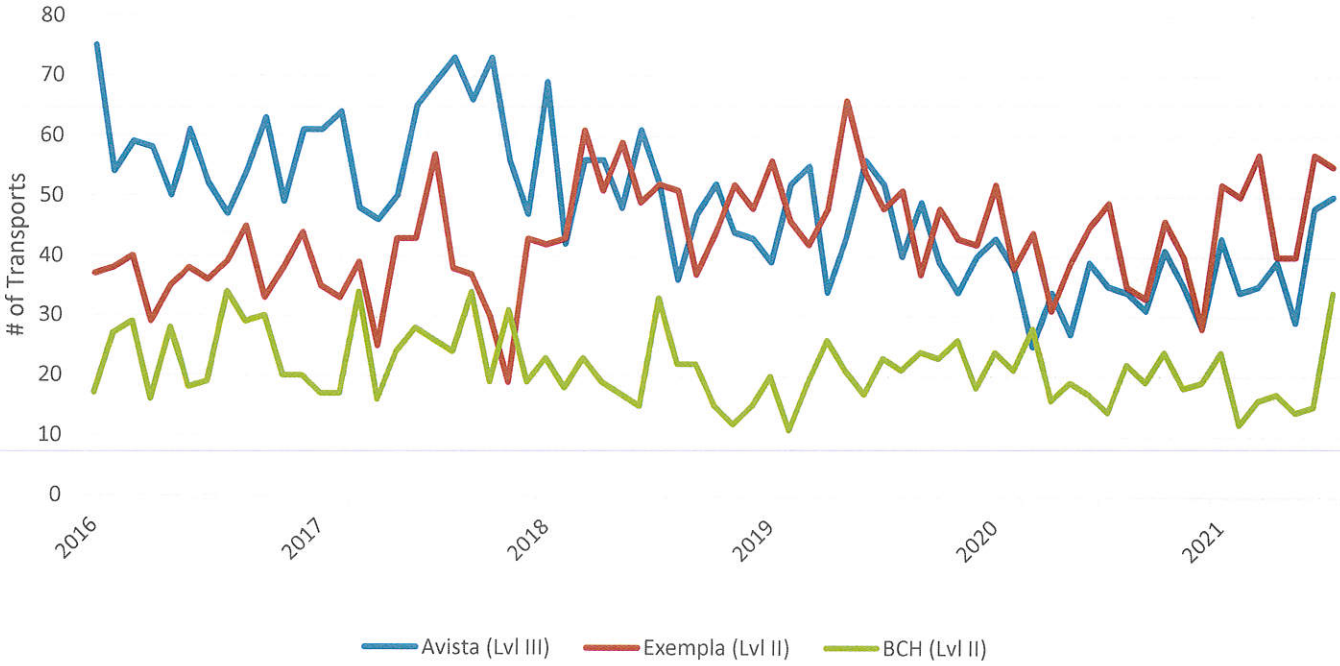
## LFPD Incident by Type (2021 ytd)



## Number of Ambulance Transports

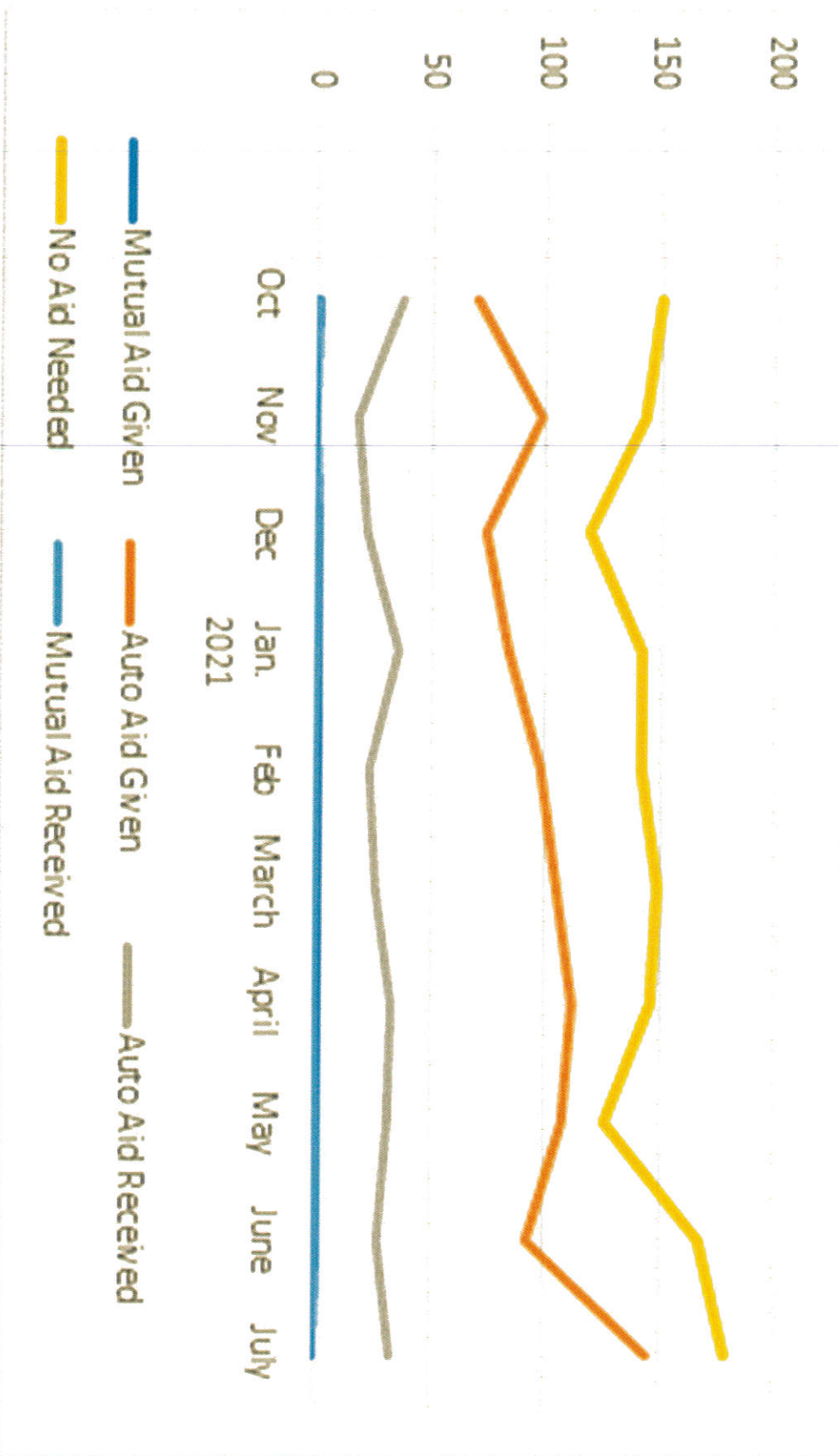


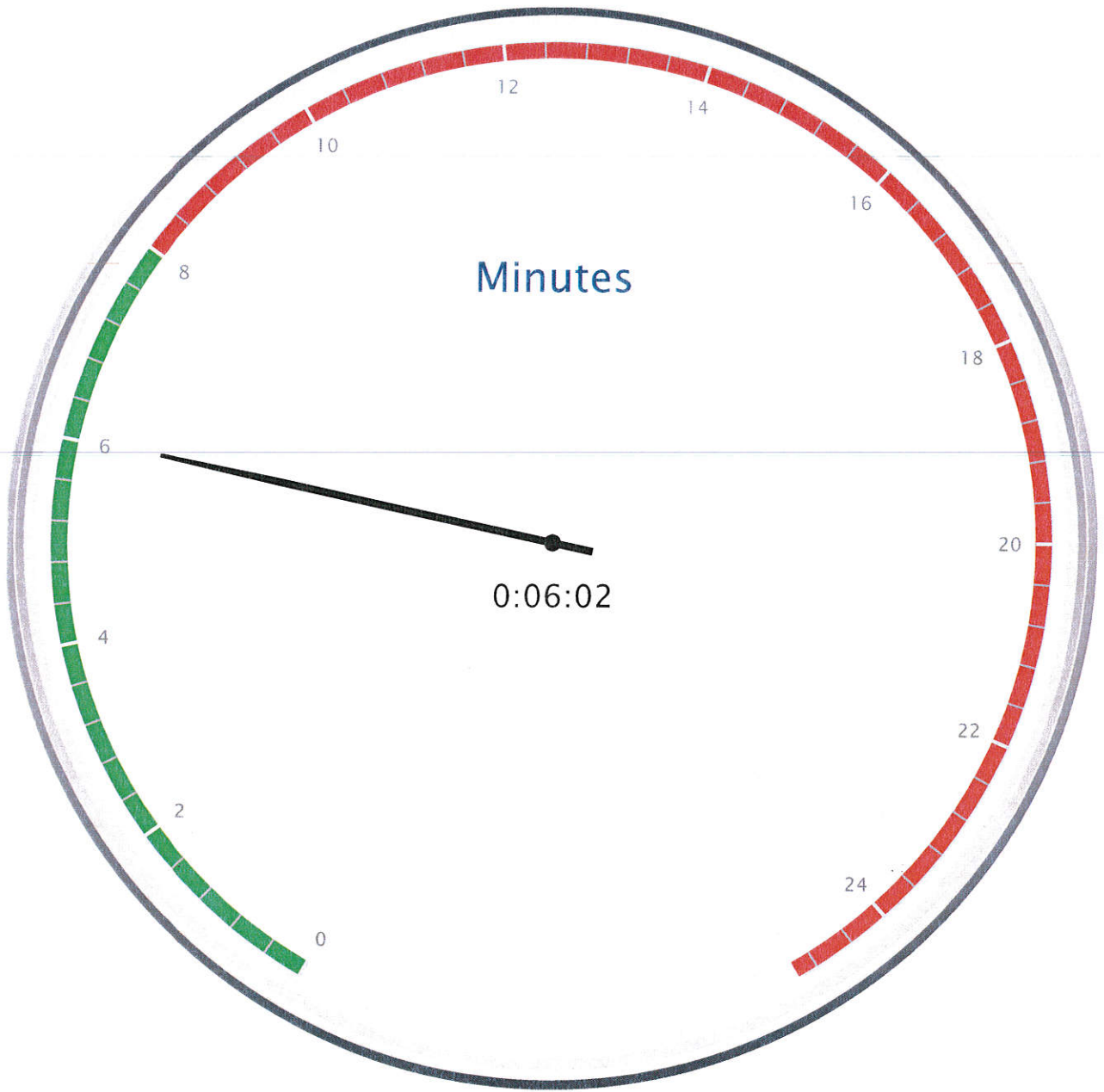
# Ambulance Destination





# Closest Unit







CO - Louisville Fire Protection District  
Safety Cloud® Report

## Driver Totals

Drivers Alerted

**804**

YTD 1,917

## Incident Totals

Total Incidents

**88**

YTD 195

Average Time On-Scene

**20.6 min**

YTD 20.5 min

## Run Totals

Total Runs

**206**

YTD 488

Total Responding Time

**1,543 min**

YTD 2,747 min

Average Time-to-Scene

**7.5 min**

YTD 5.6 min

### Drivers Alerted

Total drivers alerted, based on HAAS Alert enabled applications.

### Total Runs

Total times a vehicle was dispatched to an incident with lights engaged for at least 1+ minute.

### Total Incidents

Total number of times at least one vehicle arrived on-scene with lights engaged for 2+ minutes

### Total Responding Time

Total time vehicles/apparatus spent traveling to dispatched calls with lights engaged.

### Average Time On-Scene

Average time duration per incident.

### Average Time-to-Scene

Average time it took for dispatched vehicle to arrive on-scene

## LFPD Monthly Training Hours

Completion Date Range: From 07/01/2021 To 07/31/2021

Last Name	Completions	Duration (hours)
Bage	10	19
Bennett	6	6
Berger	6	6
Bishop	1	2
Bowler	9	12
Brewer	10	31
Brindisi	3	4
Bussard	8	15
Calnan	2	2
Capsouto	7	11
Carlson	18	130
Chreist	1	2
Conrad	5	9
Courtney	4	15
Crass	10	16
Dean	24	32
Epperson	2	2
Gillis	11	17
Hickox	12	22
Houston	4	11
Hunter	10	17
Jackson	3	9
Kodey	22	131
Land	14	18
Lear	5	9
Luebke	9	11
Lukianov	8	27
Matthewman	3	3
Medina	4	5
Melvin	6	13
Miranda	1	1
O'Mara	6	9
Oliveira	11	17
Rogers	8	14
Rossette	4	7
Saxon	5	10
Schenk	21	111
Schmidt	10	34
Schroeder	6	7
Schuppe	20	25
Sieve	11	19
Smart	10	19
Sosta	7	16
Stark	6	28
Thompson	5	6
Udden	12	15
Venot	5	9
Welsh	17	24
Whitson	3	7
ADMIN		
Willson	5	3
Mestas	1	1

**TOTAL TRAINING HOURS** 980

- Paramedic School Hours

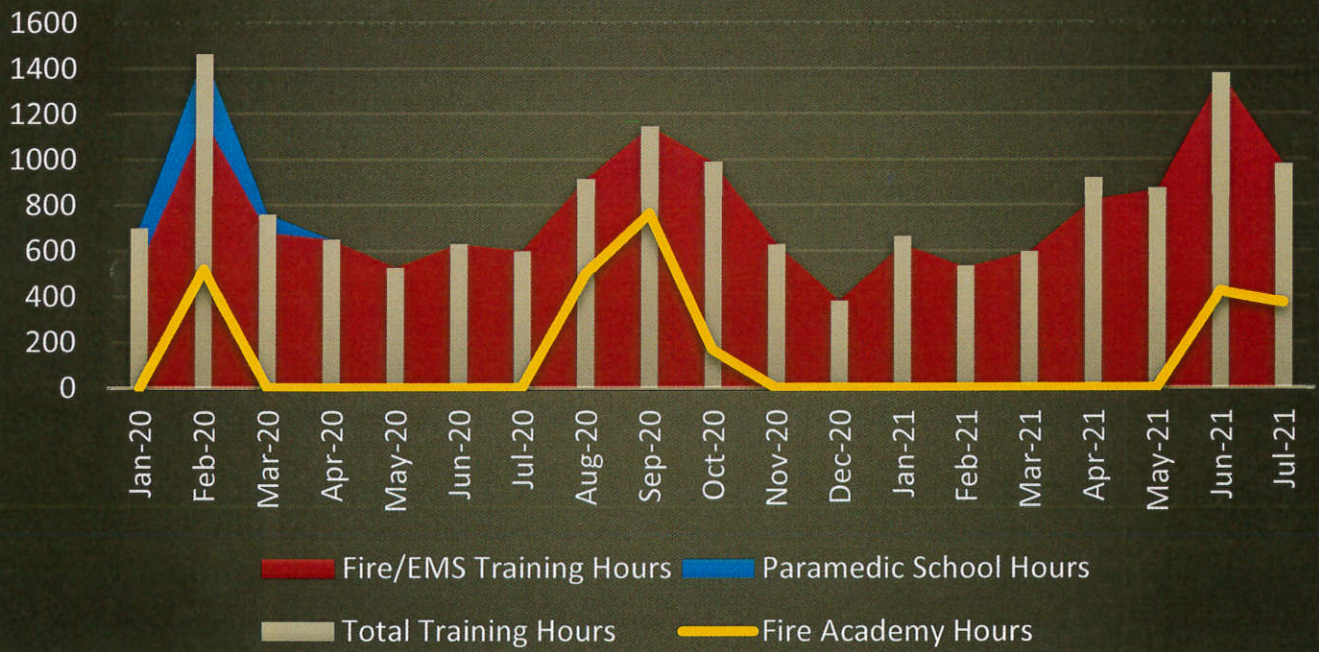
- Admin Training Hours 4

New Total 976

\* Fire Academy Training Hours 372

Avg. Monthly Training Hours per FF 20

# LFPD Training Hours Trends



# ***Louisville Fire Protection District***

**EMS Division**

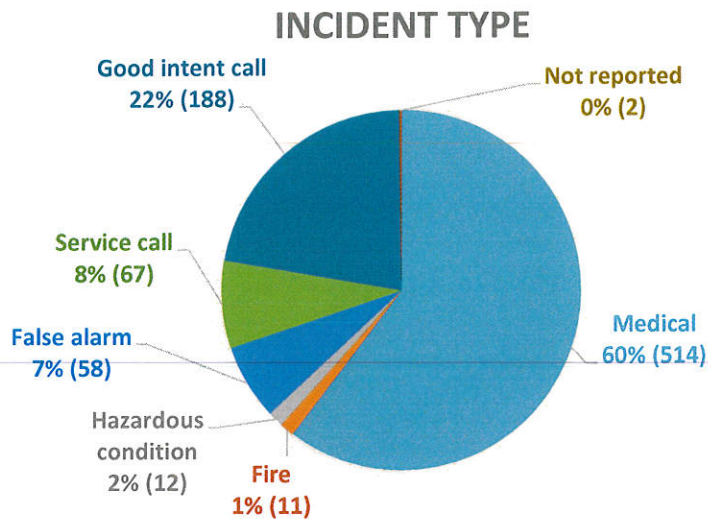
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**QUARTERLY CLINICAL SUMMARY**

**Second Quarter 2021**



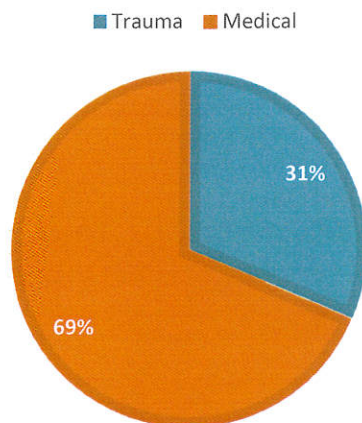
## Response Volume



For the second quarter, there were 514 medical responses. This does not include blood draws and lift assists. It does include engine-only response on a medical call as automatic or mutual aid.

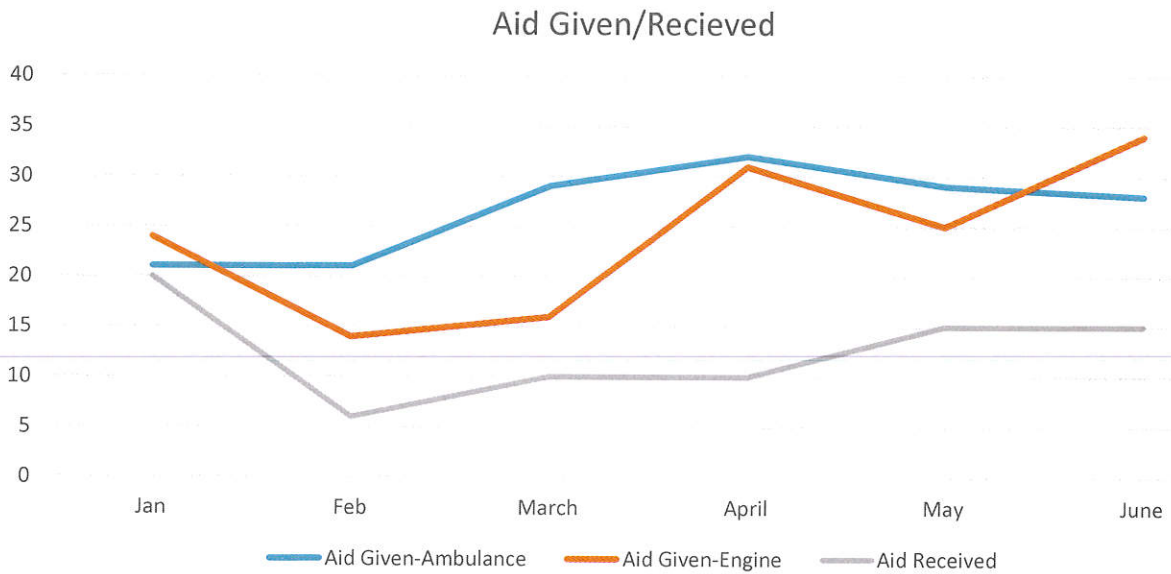
The average response time for an LFPD ambulance on emergent medical calls within Louisville was 5:38 minutes -- 5:25 minutes for 2721 and 5:52 minutes for 2722. The 90<sup>th</sup> percentile response time on emergent medical calls within Louisville was 7:31 minutes for 2721 and 7:43 minutes for 2722.

## MEDICAL VS. TRAUMA



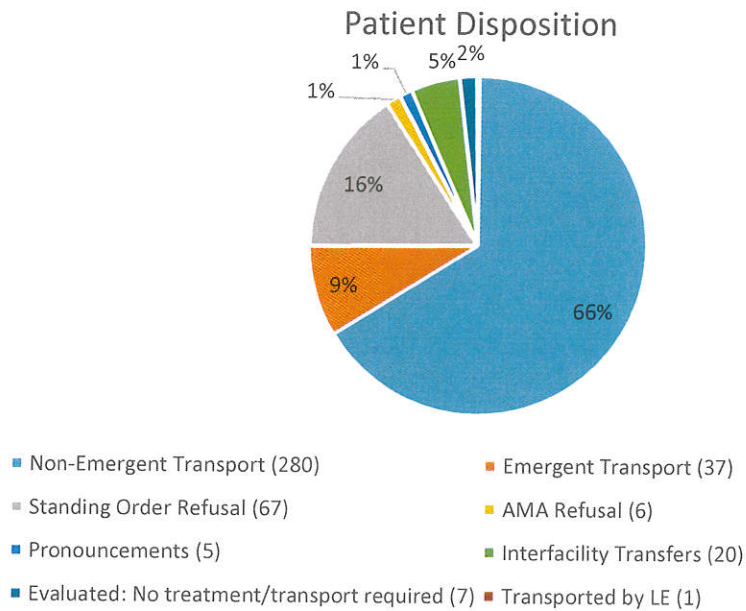
There were 267 medical incidents and 122 trauma incidents that resulted in a PCR, not including auto-aid engine-only responses, interfacility transfers or calls that required patient evaluation only. Of the trauma incidents, 31 were motor-vehicle related.

## Automatic Aid on EMS Incidents



There were 89 EMS incidents (including MVC's) in which an LFPD ambulance responded into another agency's district -- 57 for 2721 and 32 for 2722. There were 40 EMS incidents (including MVC's) in which another agency's unit(s) responded into Louisville for automatic aid.

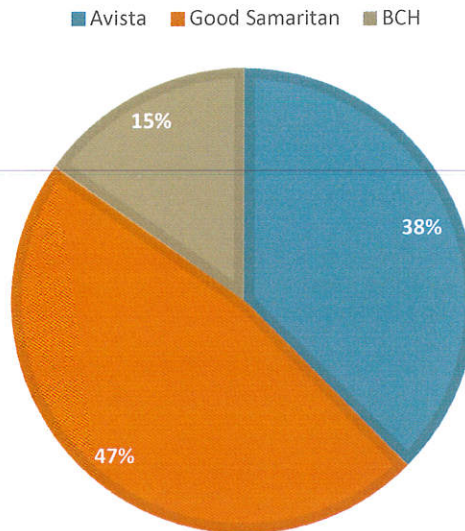
## Patient Disposition





## Transport Information

### TRANSPORT DESTINATIONS



Patients were transported to the following destinations: Good Samaritan-147, Avista-116, BCH-46, Other-19. This includes automatic aid given and multiple-patient incidents. Total number of transports was 328.

Other medical centers that received patients:

- Children's Hospital North – 3
- Children's Hospital – 1
- Longmont United – 1
- UC Health Broomfield – 1
- UC Health Longs Peak – 1
- St. Anthony North – 2
- St. Anthony Lakewood -- 1
- Centennial Peaks (transfers) -- 9

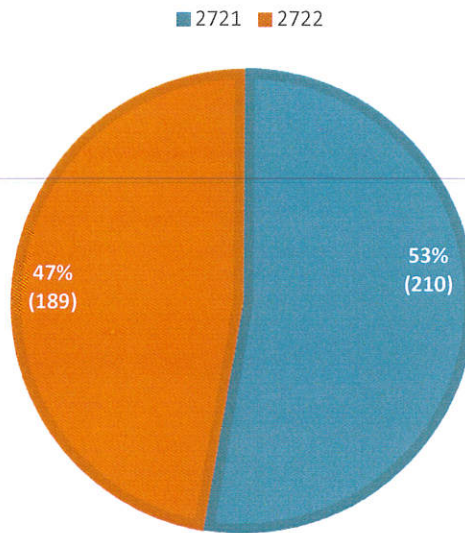
There were no calls in which a helicopter was utilized on scene.

There were 37 emergent returns, which was 11% of the transport volume.

## Calls By Ambulance

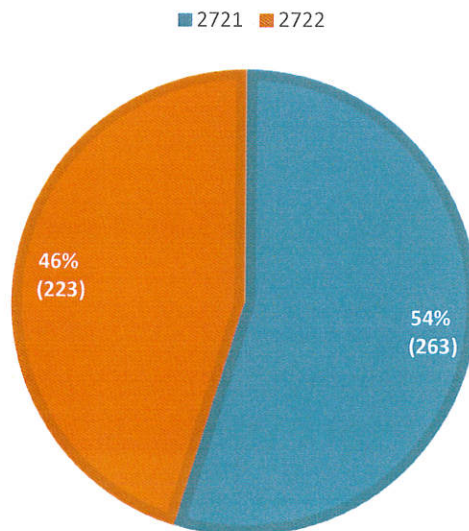
2722 is housed at LFPD Station 2. 2721 is housed at LFPD Station 1.

### PATIENTS BY AMBULANCE (PCRS)



Four refusals were handled by 2702. One refusal was handled by 2703.

### TOTAL CALLS BY AMBULANCE



## CALL SUMMARIES

### Cardiac Arrests

**There were eight cardiac arrests – four treated and transported, four pronounced in the field.**

**Arrest 1** – Crews responded to the parking lot of a grocery store in Louisville for an 84-year-old male with CPR in progress. Per bystanders, patient was found unresponsive and seated in his car, pulled from the car and manual compressions started. LFPD crews arrived and assumed care, finding the patient pulseless/apneic and applying the AutoPulse, which functioned properly. Initial rhythm on the monitor was asystole.

Resuscitation continued for 30 minutes with three rounds of epinephrine given via IO in the left tibia. A King tube was placed and the patient was ventilated. Resuscitation was unsuccessful. The medic contacted Dr. Carlson at Good Samaritan for termination and pronouncement.

**Response time:** 2 minutes

**Scene time:** 30 minutes

**Arrest 2** – Crews responded to a private residence in Lafayette for a 69-year-old female, unconscious and not breathing. Lafayette police arrived, began compressions and placed an AED, no shock advised. Initial rhythm was PEA. Manual compressions performed. ETT tube placed. Two IO's attempted (tibial, humeral), both unsuccessful. One IV placed. Second IV unsuccessful. A total of four rounds of epinephrine given, including one following ROSC. Patient regained and lost pulses three times during care. She was defibrillated once. The patient was transported emergent to Good Samaritan.

**Response time:** 8 minutes

**Scene time:** 31 minutes

**Transport time:** 6 minutes

**Outcome:** ROSC was confirmed in the ED, and cooling measures were started. She was admitted to the ICU, ventilator-dependent. The patient had episodes of significant shock and required vasopressors. Per echocardiogram, her ejection fraction was 10-15%, indicating significant heart damage. Family members arrived from out of town and decided on comfort care. She was extubated three days later and died shortly after.

**Arrest 3** – Crews responded to a townhome in Lafayette for a 50-year-old female unconscious and not breathing, CPR being done by her husband. EMS arrived and assumed patient care, continuing CPR and starting a tibial IO. OPA was inserted, but when removed to intubate, patient's jaw clamped down and the airway required BLS management. Initial rhythm was V-fib. Patient was defibrillated six times. She received three doses of epinephrine and two doses of amiodarone. After the sixth shock, an organized rhythm was observed through compressions. Patient regained pulses and had a blood pressure of 145/99. She was transported emergent to Good Samaritan, where ROSC was confirmed.

**Response time:** 6 minutes

**Scene time:** 29 minutes

**Transport time:** 6 minutes

**Outcome:** The cause of the cardiac arrest is officially unknown. She was admitted to the ICU and steadily improved. As a precaution, an internal defibrillator was placed before the patient was discharged home six days later.

**Arrest 4** – Crews responded to a Lafayette residence for a 53-year-old male found face-down on the floor by his roommates. Police arrived first, started CPR and placed an AED, no shock advised. EMS crews found the patient in asystole and began resuscitation. Tibial IO and humeral head IO started (tibial IO infiltrated), as well as two IV's. The patient received three rounds of epinephrine, two doses of amiodarone, calcium chloride and sodium bicarbonate. He was defibrillated twice. After 27 minutes of resuscitation without ROSC, Dr. Davenport at Good Samaritan was called for termination and pronouncement.

**Response time:** 7 minutes

**Scene time:** 44 minutes

**Arrest 5** – Crews responded to a senior housing complex in Louisville for an 82-year-old male in cardiac arrest. The patient was found by family to be pulseless and apneic. The patient had a DNR, so no resuscitation was attempted by EMS crews.

**Arrest 6** – Crews responded to a private residence in Louisville for a 50-year-old male with respiratory distress. Per dispatch, the patient was on the phone with a job recruiter when he complained of difficulty breathing and then went unresponsive. Crews found the patient in cardiac arrest and began CPR, first with manual compressions and then the AutoPulse. Initial rhythm was V-fib. The patient was defibrillated five times by EMS, received three doses of epinephrine and one dose of amiodarone. ROSC was briefly obtained, and the patient was transported emergent to Good Samaritan. After an extended period of resuscitation, he was pronounced in the ER.

**Response time:** 3 minutes

**Scene time:** 20 minutes

**Transport time:** 8 minutes

**Outcome:** No cause identified.

**Arrest 7** – Crews responded to a private residence in Louisville for a 76-year-old male choking, witnessed by his wife. When crews arrived, the patient was pulseless and apneic, with the wife performing CPR. The patient was pale and warm, with a large amount of food obstructing his airway. Initial rhythm was V-fib.

Multiple unsuccessful attempts made to clear the airway. The patient was eventually intubated by pushing a piece of food into the trachea. Mechanical compressions delivered via AutoPulse.

The patient was defibrillated three times. He received three rounds of epinephrine and one dose of amiodarone. He was transported emergent to Avista, where he was later pronounced in the ER.

**Response time:** 6 minutes

**Scene time:** 29 minutes

**Transport time:** 4 minutes

**Arrest 8** – Crews responded to an unconscious, unresponsive 49-year-old female at a private residence in Superior. The patient was found in cardiac arrest, with compressions being performed by her husband. The patient had a history of chronic pain and the suspected cause of her arrest was an overdose on prescription medication.

EMS crews took over manual compressions, then placed the patient on the AutoPulse. All rhythm checks showed asystole. A humeral head IO was placed and three rounds of epinephrine given. A King tube was placed to manage the airway, confirmed with EtCO<sub>2</sub>. After about 30 minutes of resuscitation, the medic contacted Dr. Stella at Avista for termination and pronouncement.

**Response time:** 10 minutes

**Scene time:** 34 minutes

## Cardiac Alerts

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**There was one cardiac alert initiated from the field.**

**Cardiac alert 1** – Crews responded to a private residence in Superior for a 69-year-old male with chest pain, weakness and lightheadedness. MVFD personnel arrived first and gave the patient baby aspirin. 12-lead showed an anterior wall MI with elevation in leads V2-V4 and reciprocal changes in leads II, III and AVF. The patient received nitroglycerin and an IV was started. Cardiac alert called from the scene. Repeat 12-leads completed. Patient was transported emergent to Avista.

**Response time:** 8 minutes

**Scene time:** 8 minutes

**Arrival at patient to cardiac alert:** 7 minutes

**Transport time:** 9 minutes

**Outcome:** Patient was found to have a significant occlusion of the left anterior descending artery. He went to the cath lab for thrombectomy and was discharged a few days later.

## Stroke Alerts

**There were 15 stroke alerts initiated from the field.**

**Stroke alert 1** – Crews responded to a private residence in Louisville for a 49-year-old female who had witnessed seizure-like activity in her sleep and now displays stroke-like symptoms. Patient normally has right-sided deficits and some confusion, deficits from a previous stroke, but now her symptoms are much worse than normal, per family. BGL checked. 12-lead completed. IV started. Stroke alert called from scene to Good Samaritan. Emergent transport.

**Response time:** 6 minutes

**Arrival at patient to alert activation:** 8 minutes

**Scene time:** 20 minutes

**Transport time:** 7 minutes

**Outcome:** The patient was initially diagnosed with an acute stroke but was outside the TPA window. Further MRI testing did not show a new stroke. She was admitted for observation. Her symptoms resolved and she returned to her baseline. She was diagnosed with a TIA and discharged home.

**Stroke alert 2** -- Crews responded to a Louisville rehabilitation center for an 89-year-old female (recovering from back surgery) who fainted and then vomited. Crews found patient with left-sided facial droop and slurred speech. BGL checked. 12-lead completed. IV started. O2 given. Stroke alert called from scene. Emergent transport to Avista.

**Response time:** 6 minutes

**Arrival at patient to stroke activation:** 3 minutes

**Scene time:** 12 minutes

**Transport time:** 5 minutes

**Outcome:** CT, CTA (contrast) and MRI were all negative. Patient did not return to baseline in ED. She was not a candidate for thrombolytics because of Lovenox use following her surgery. She was admitted and her symptoms resolved the next day, so she was discharged home with direction to follow up with PCP.

**Stroke alert 3** -- Crews responded to a Louisville memory care facility for a 79-year-old female needing transport. Dispatch updated that the patient was unresponsive, so crews upgraded to emergent. Patient was found unresponsive in a wheelchair with snoring respirations. Pupils were pinpoint, so Narcan was administered without change in mental status. Initially patient could not complete Cincinnati stroke test, but eventually followed commands enough that crew found right-sided weakness. Stroke alert activated from the scene. BGL checked. Last seen normal time documented. IV started. 12-lead completed. The patient was transported emergent to Avista.

**Response time:** 4 minutes

**Arrival at patient to stroke activation:** 4 minutes

**Scene time:** 19 minutes

**Transport time:** 4 minutes

**Outcome:** CT and MRI were negative for stroke. Patient was diagnosed with acute right-sided weakness related to Alzheimer's disease. She was admitted to the ICU.

**Stroke alert 4** – Crews responded to a Louisville assisted living center for a 79-year-old female possibly having a stroke. The patient had been having hallucinations and was unable to get out of bed. Crews found the patient with left-sided facial droop and bilateral paresthesia and called a stroke alert to Good Samaritan. The patient's symptoms resolved with positioning change, so crews called back and updated Good Samaritan. BGL checked, 12-lead completed, IV started. The patient was transported non-emergent.

**Response time:** 8 minutes

**Arrival at patient to stroke activation:** 2 minutes

**Scene time:** 14 minutes

**Transport time:** 11 minutes

**Outcome:** On arrival at the ED, the patient had no stroke symptoms, but three hours later in the ER as she was being discharged, she developed slurred speech, left-sided weakness and leftward gaze. This again only lasted a few minutes. CT, MRI were negative for a stroke or clots despite her having transient neuro dysfunction. She was discharged to a skilled nursing facility six days later and will likely enter palliative care.

**Stroke alert 5** – Crews responded to a Louisville independent living facility for an 87-year-old male possibly having a stroke. Patient was found with garbled, slurred speech and mild right-sided facial droop. BGL checked. 12-lead completed. Two large-bore IVs started. Stroke alert called from the scene. Patient was transported emergent to Good Samaritan.

**Response time:** 7 minutes

**Arrival at patient to stroke alert:** 7 minutes

**Scene time:** 11 minutes

**Transport time:** 7 minutes

**Outcome:** Patient was found to have two small bilateral subdural hematomas and was admitted. By the following day, his facial droop had resolved, and he was alert and oriented. He was discharged home three days later.

**Stroke alert 6** – Crews responded to a Louisville memory care facility for a 95-year-old female possibly having a stroke. Patient was found to have left-sided facial droop, left arm weakness and rightward gaze. BGL was checked. EKG monitoring. IV started. Stroke alert called from the scene. Patient was transported emergent to Avista.

**Response time:** 8 minutes

**Arrival at patient to stroke activation:** 6 minutes

**Scene time:** 10 minutes

**Transport time:** 5 minutes

**Outcome:** CTA showed focal occlusion/severe stenosis involving the superior branch of the right middle cerebral artery. Patient went into cardiac arrest in the MRI machine. The family agreed to withdraw care, and she died that day.

**Stroke alert 7** – Crews responded to a Louisville independent living center for an 96-year-old female with difficulty breathing and altered mental status. Crews found patient unable to answer questions, responding with nonsensical words. She was found to have right-sided weakness and rapid respirations. BGL checked. 12-lead completed. IV started. Stroke alert called from the scene. Patient was transported emergent to Good Samaritan.

**Response time:** 5 minutes

**Arrival at patient to stroke alert:** 10 minutes

**Scene time:** 13 minutes

**Transport time:** 6 minutes

**Outcome:** The patient arrived in the ED with right-sided deficits and aphasia. She was not a TPA candidate because of time last known normal and was admitted. Upon assessment the next morning, her neurological deficits had resolved and she was diagnosed with TIA. She was expected to be discharged two days after her admission.

**Stroke alert 8** – Crews responded to a Louisville independent living center for an 88-year-old male “going crazy.” Crews found patient seated in his living room having a sudden onset of hallucinations, which his daughter attributed to a previous stroke, although staff denied ever witnessing this before. Cincinnati stroke test and MEND exams were negative, but when crews went to move the patient, he was unable to stand, saying his legs felt numb and weak. Stroke alert was activated to Good Samaritan and patient was transported emergent. 12-lead completed. Two IVs started. BGL checked.

**Response time:** 9 minutes

**Arrival at patient to stroke alert:** 11 minutes

**Scene time:** 15 minutes

**Transport time:** 7 minutes

**Outcome:** Patient was diagnosed with Charles Bonnet syndrome, with visual hallucinations possibly caused by his previous stroke. He also was found to have a UTI, which likely caused an increase in his symptoms. He was admitted for observation.

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**Stroke alert 9** – Crews responded to a senior housing complex in Louisville for a 67-year-old complaining of feeling dizzy and lightheaded. Crews found the patient with left arm drift and difficulty speaking. BGL checked, 12-lead completed, IV started.

A stroke alert was activated, and the patient was transported emergent to Good Samaritan.

**Response time:** 6 minutes

**Scene time:** 18 minutes

**Arrival at patient to stroke alert:** 16 minutes

**Transport time:** 7 minutes

**Outcome:** Upon returning from CT, the patient’s systems were starting to resolve. She was not a TPA candidate because of her taking Eliquis. The following day, her MRI was negative for stroke and she was symptom-free, so she was discharged home.

**Stroke alert 10** – Crews responded to an apartment building in Louisville for a 67-year-old female possibly having a stroke. The patient has deficits from a previous stroke that worsened, with heavily slurred speech and altered mental status. BGL checked, 12-lead obtained, two IVs started. Crews called a stroke alert and transported the patient emergent to Avista.

**Response time:** 5 minutes

**Scene time:** 18 minutes

**Arrival at patient to stroke alert:** 17 minutes

**Transport time:** 8 minutes

**Outcome:** CT and MRI showed no infarct or hemorrhage. She was given two doses of Narcan and her mental status improved. She was admitted to the medical floor.



**Stroke alert 11** – Crews responded to a chiropractor’s office in Louisville for a 66-year-old female who fainted and fell forward to the floor. Crews found the patient with left-sided weakness, confusion and aphasia. BGL checked, 12-lead obtained, IV started. Patient was transported emergent to Avista with a stroke alert.

**Response time:** 8 minutes

**Scene time:** 17 minutes

**Arrival at patient to stroke alert:** 11 minutes

**Transport time:** 9 minutes

**Outcome:** CT, CTA and MRI were all normal, no indication of stroke. She was diagnosed with weakness and admitted to the medical floor.

**Stroke alert 12** – Crews responded to a private residence in Louisville for a 71-year-old male with stroke-like symptoms. Crews found the patient with right-sided facial droop and leaning heavily to right, unable to stand without assistance. He was hypertensive.

BGL checked, 12-lead completed, IV started. Patient was transported emergent to Good Samaritan with a stroke alert.

**Response time:** 5 minutes

**Scene time:** 16 minutes

**Arrival at patient to stroke alert:** 10 minutes

**Transport time:** 10 minutes

**Outcome:** Patient’s symptoms did not resolve at the ED, so he was taken to CT. Following the scan, TPA was administered. The patient improved, but he still has some residual aphasia and right-sided weakness. He was discharged a few days later to a rehabilitation center.

**Stroke alert 13** – Crews responded to a Louisville assisted living center for an 84-year-old male possibly having a stroke following an episode of right-sided weakness. Crews found the patient with mild right-side facial droop but no other stroke symptoms.

BGL checked, 12-lead completed, IV started. The patient was transported emergent to Good Samaritan with a stroke alert.

**Response time:** 7 minutes

**Scene time:** 13 minutes

**Arrival at patient to stroke alert:** 7 minutes

**Transport time:** 6 minutes

**Outcome:** The patient was diagnosed with a TIA because his symptoms slowly resolved. He was admitted for observation and discharged the following day.

**Stroke alert 14** -- Crews responded to a private residence in Louisville for a 74-year-old male possibly having a stroke. Crews found the patient with slurred speech, balance problems and difficulty speaking and answering questions. He was hypotensive.

BGL checked, 12-lead completed, IV started. The patient was transported emergent to Avista with a stroke alert.

**Response time:** 4 minutes

**Scene time:** 15 minutes

**Arrival at patient to stroke alert:** 11 minutes

**Transport time:** 7 minutes

**Outcome:** The patient was diagnosed with vasovagal syncope/possible TIA. Head CT/CTA were normal. He was admitted to the ICU and discharged home the next day.

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**Stroke alert 15** – Crews responded to a Louisville assisted living center for an 81-year-old female with a sudden onset of aphasia. Crews found the patient unable to speak, nodding only yes or no in response to questions.

BGL checked. Serial 12-leads completed due to concerning rhythm. IV started. The patient was transported emergent to Good Samaritan with a stroke alert.

**Response time:** 9 minutes

**Scene time:** 15 minutes

**Arrival at patient to stroke alert:** 2 minutes

**Transport time:** 6 minutes

**Outcome:** The patient was diagnosed with transient confusion. She had a CT and MRI while in the ED and neither showed any signs of a stroke. She was alert and oriented to her norm in the ED and was discharged a few hours later.

## Sepsis Alerts

**There were three sepsis alerts initiated from the field.**

**Sepsis alert 1** – Crews responded to an apartment in Louisville for a 83-year-old male needing a lift assist. The engine arrived and called for an ambulance because the patient was incontinent and had an obviously infected right lower leg. BGL checked, 12-lead completed. Patient would not hold his arm still for an IV. Sepsis alert was initiated and the patient was transported to Avista, upgraded to emergent en route.

**Response time:** Engine arrived first and called ambulance.

**Scene time:** 13 minutes

**Transport time:** 9 minutes

**Outcome:** The patient was admitted with severe sepsis from leg cellulitis, causing acute kidney injury. He was placed on antibiotics and received wound care for ulcer on foot. The patient was stabilized and discharged to a skilled nursing facility.

**Sepsis alert 2** – Crews responded to a Louisville rehabilitation center for a 56-year-old male who is sick and has coffee-ground emesis. The patient was at the facility to recover from spinal fusion surgery and had a newly placed Foley catheter. Crews found the patient vomiting and febrile with altered mental status, tachycardia, tachypnea and hypotension. BGL checked. IV started. 200 ml saline administered. Sepsis alert called to Avista. Non-emergent transport.

**Response time:** 7 minutes

**Scene time:** 14 minutes

**Transport time:** 7 minutes

**Outcome:** Patient was treated for sepsis related to a perforated bowel and transferred to UCHealth to have part of his ileum surgically removed.

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**Sepsis alert 3** – Crews responded to a Louisville nursing home for a 42-year-old female bariatric patient in respiratory distress. The patient had an abdominal surgical site that was obviously infected. She was unresponsive, tachycardic and tachypneic. She was transported emergent to Good Samaritan with a sepsis alert.

**Response time:** 6 minutes

**Scene time:** 19 minutes

**Transport time:** 6 minutes

**Outcome:** The patient was intubated for respiratory failure and a central line was placed for fluids and vasopressors. She was admitted to the ICU for sepsis caused by pneumonia. She was extubated three days later, then was transferred in stable condition to the medical floor.

## Full Trauma Activations

**There were three full trauma activations initiated from the field.**

**Trauma activation 1** – Crews responded to a 59-year-old female pedestrian who walking on a path when she was struck by a child on a bicycle. Her left arm became entangled in the bicycle, causing an open dislocation of her elbow and the grotesque twisting of her arm behind her back. Patient reported numbness/tingling, then loss of sensation in two digits. The color and temperature of the arm deteriorated.

An IV was started. The patient received two doses each of fentanyl and midazolam for pain management and sedation, plus ondansetron for nausea. The arm was splinted. Full trauma activation called to Good Samaritan. Emergent transport. EtCO<sub>2</sub> and EKG monitored.

**Response time:** 6 minutes

**Scene time:** 21 minutes (documented delay due to extrication)

**Transport time:** 12 minutes

**Outcome:** The arm was cleaned and surgically repaired. Patient was discharged the following day with a good prognosis and visited crews at Station 2 a few weeks later.

**Trauma activation 2** – Crews responded to a 20-year-old male who ran into traffic on US 36 and was struck by three vehicles, according to witnesses. The patient had significant head trauma and rotation of left leg/pelvis. He was conscious and breathing, although altered and combative with deviated gaze. C-collar applied and patient stabilized on scoop. Oxygen administered. Two 14G IV's started. Full trauma activation called from the scene. Emergent transport to BCH.

**Response time:** 7 minutes

**Scene time:** 10 minutes

**At patient to trauma activation:** 4 minutes

**Transport time:** 5 minutes

**Outcome:** The patient was found to have multiple facial fractures, left hip fracture, pelvic fracture, bilateral pneumothorax, bilateral rib fractures, lumbar fractures and an intracranial bleed. He was intubated, chest tube inserted, hip reduced, then went to the ICU. Patient had some amnesia of the event and was thought to have a moderate TBI. He was discharged five days later to a rehabilitation center.

**Trauma activation 3** – Crews responded to a building under construction in Louisville for a 44-year-old male who fell three stories. The patient was alert and oriented with an obvious open fracture of the left tibia, at the ankle. The patient's medical history included a clotting disorder. The ankle was splinted, IV started and pain medication administered. Because of the high mechanism in combination with the disorder, a full trauma activation was called to Good Samaritan. The patient was transported emergent.

**Response time:** 5 minutes

**Scene time:** 15 minutes

**At patient to trauma activation:** 15 minutes

**Outcome:** The patient had an open displaced fracture of the left tibia. He received antibiotics and clotting factors and was transferred to UCHealth for surgery.

**There were 12 limited trauma activations initiated from the field.**

## Spotlight Calls

**Hypoglycemia:** Crews responded to a Louisville rehabilitation center for a 71-year-old male who is lethargic, possibly having a stroke. The patient is a diabetic and receives insulin, so EMS crews immediately checked his BGL, finding it to be 31. Crews determined that oral glucose could cause an airway obstruction, due to the patient's lethargy, and two attempts at IV were unsuccessful. Glucagon was administered and the patient began to improve during transport.

The medic considered starting an IO to give dextrose, but decided against that option, given that the patient was conscious and had a PICC line that could be accessed at the ED.

**Outcome:** The patient was transported emergent to Avista, where dextrose was administered via his PICC line, and the patient returned to his normal status.

**Respiratory failure:** Crews responded to a mental health hospital for a 59-year-old male unresponsive in respiratory failure, staff assisting ventilations. EMS placed an NPA, took over ventilations and transported emergent to Avista. The patient improved somewhat during transport, breathing spontaneously with an adequate SpO<sub>2</sub>.

**Outcome:** Just after arrival at the ED, the patient went into cardiac arrest. He was intubated and ventilated in the ED. He received epinephrine, sodium bicarb and Levophed. He was admitted to the ICU where he improved to alert and oriented and ambulatory. He was then downgraded to the medical floor for further testing. The cause was believed to be respiratory failure from polypharmacy.

**Pulmonary edema:** Crews responded to a private residence in Louisville, where a 79-year-old female awakened from sleep with severe respiratory distress. She had no history of respiratory or cardiac problems. Upon auscultation, fluid was heard throughout the patient's lungs. She was treated aggressively with high-flow O<sub>2</sub> via CPAP and two doses of nitroglycerin. Ventilations were assisted via BVM for a short time. The patient improved during transport.

**Outcome:** In the ED, the patient was placed on BiPAP with DuoNeb, Lasix and urinary catheter. She did not meet any cardiac criteria in the ER. Her troponin mildly rose once admitted and trended upward, which led cardiology to take her to the cath lab. The cardiologist found mild, non-obstructive heart disease, no interventions were done. She improved in the ICU and was discharged home the next day.

**Wellbutrin overdose:** Crews responded to a private residence in Louisville for a 35-year-old female who overdosed on her prescribed bupropion. Upon crew arrival, she was awake and alert with normal vital signs and EKG. The patient was transported without incident to Avista.

**Outcome:** While in the ED, the patient developed QT prolongation, widened QRS, hypotension and shock. She received IV fluids, Ativan, sodium bicarb, magnesium sulfate and Intralipid. She was intubated and an arterial line was placed. After the patient was transferred to the ICU, she went into cardiac arrest three times before finally being pronounced dead, 12 hours after her arrival in the ER.

# **Next Step for Strategic Plan**

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# ***LOUISVILLE FIRE PROTECTION DISTRICT***



## **Unfinished Business**

**Subject:** Community Risk Assessment & Standards of Cover Proposal

**Summary:** The Standards of Cover (SOC) and Community Risk Assessment (CRA) are two tools that will set the Louisville Fire Protection District (LFPD) up for success and help us to meet several of the objectives in the strategic plan.

The SOC and CRA are the foundation for objective service delivery and decision-making models that benefit LFPD, the Louisville community, and our community partners.

Here are some of the items covered in the SOC/CRA:

- Where and how much risk are we willing to accept and absorb our organization and the community.
- How we measure risk
- Reduces subjectivity
- Establishes the baseline information of where we are as an organization and a community
- Discovery of the Community
- Clarity in the where/what
- Creation of service level objectives based on the level of risk we are willing to accept, which will also drive training and the Knowledge/Skills/Abilities (KSAs)
- QA/QI to continue to monitor risk (We are now doing this for EMS)
- It Will helps guide plans and identify current and potential gaps in service delivery
- The SOC/CRA will be updated annually, and as we grow, we will identify points of service delivery
- What equipment/staffing do we need to meet the demands of the risk we are willing to absorb
- Eventually, the SOC/CRA becomes a predictive tool, and a dashboard can be created to determine if we are meeting our standards
- Will involve our Boulder County partners and dispatch

Timeframe: 6-9 months

Investment: See Proposal from CPSE

Personnel: A team of 6-8 people is broken into seven modules and two site visits

**Fiscal Impact:** \$32,500 with \$19,500 due in 2021

**Recommendation:** Staff recommends motion to approve the hiring Center for Public Safety Excellence and authorized the Board President to sign the agreement.

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Community Risk Assessment & Standards of  
Cover Facilitation Proposal  
For the  
Louisville Fire District  
895 Via Appia Way  
Louisville, Colorado 80027

Fire Chief John H. Wilson, CFO  
May 4, 2021



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### THE CPSE DIFFERENCE

The mission of the Center for Public Safety Excellence is: *“To lead the fire and emergency service to excellence through the continuous quality improvement process of accreditation, credentialing, and education.”*

By teaching, coaching, guiding, and advising, CPSE’s Technical Advisor Program (TAP) strives to provide agencies the tools to internalize continuous quality improvement and thereby achieve excellence.

*Give a man a fish and you feed him for a day. Teach a man to fish and you feed him for a lifetime.*

TAP places great importance on thorough preparation for each project including:

- A clear understanding of the agency’s background, goals and objectives, and the complex issues they are facing,
- A workplan that is comprehensive, well designed, and provides ample opportunity for analysis necessary to measure current and future resource needs,
- Sufficient resources and a commitment to successfully complete the project within the desired time frame at a reasonable cost, and
- Assignment of expert resources in project management and technical support to guide an agency as they work towards accreditation.

Unlike traditional agency evaluation processes, TAP’s Community Risk Assessment & Standards of Cover (CRA-SOC) process requires the fire service agency to become the experts in determining baseline performance and developing benchmarks for future performance. A comprehensive self-assessment, guided by experienced facilitation and executed by the fire service agency’s committed personnel, will ultimately translate into improved effectiveness, efficiency, and better quality of services being delivered.

### SCOPE

CPSE defines a SOC document as “those written policies and procedures that establish the distribution and concentration of fixed and mobile resources of an agency.” By conducting a CRA prior to establishing the SOC, an agency is positioned to develop a risk-driven deployment model. An effective CRA-SOC process affords an agency’s employees the opportunity to become involved and participate, enhances teamwork and cooperation, and provides a basis for measuring organizational performance.

The CRA-SOC Facilitation process typically takes six to nine months and includes:

- Four days of detailed instruction on conducting a CRA and developing a SOC,
- Participation in a service area tour, identifying community hazards, risks, and deployment points.
- The facilitation of a 90-minute community stakeholder feedback session identifying program and service priorities and community expectations and concerns,
- Coaching in document design layout,
- Instruction in data analysis and the use of geographic information system mapping tools,
- On-going coaching through shared website and web-based meetings, and
- A professionally formatted and published CRA-SOC.



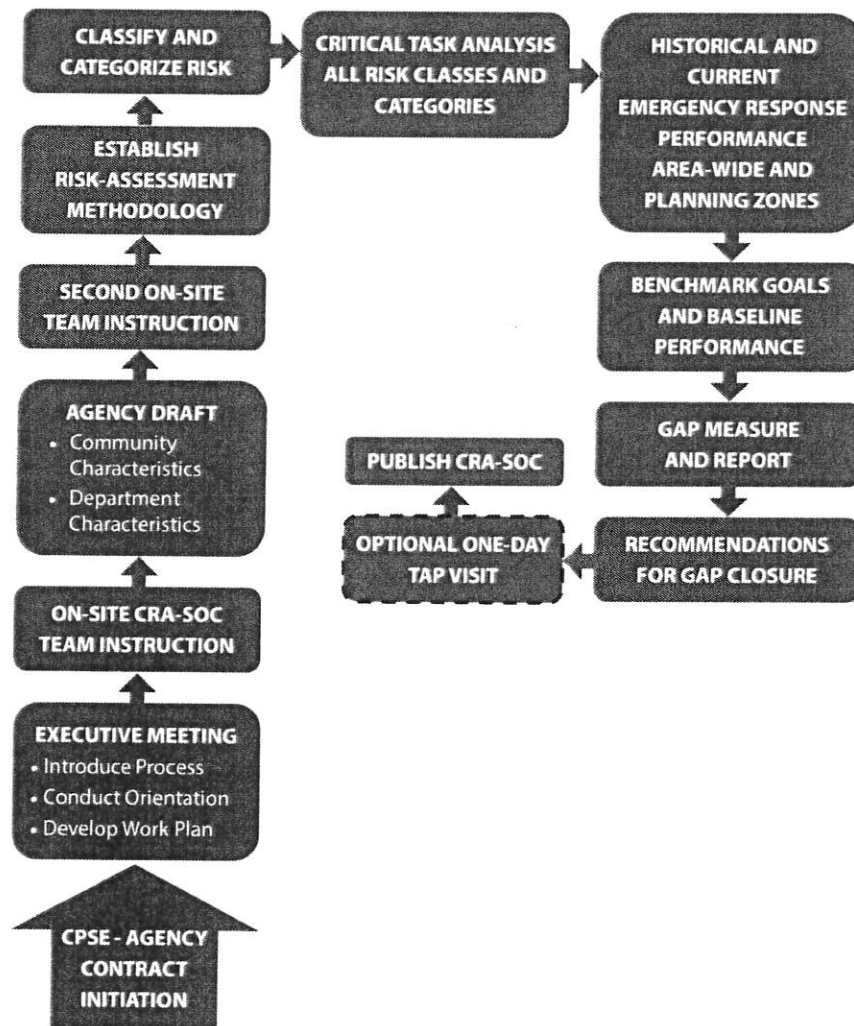
# COMMUNITY RISK ASSESSMENT & STANDARDS OF COVER FACILITATION

Expected outcomes include a CRA-SOC that will follow CFAI model competencies as identified in the newly released *CPSE Quality Improvement for Fire and Emergency Services*, including:

- Assessment and documentation of the agency's historic and current area characteristics;
- Assessment and documentation of the agency's all-hazard risk assessment and response strategies;
- Assessment and documentation of the agency's historical and current deployment and performance;
- Plans for maintaining quality response performance; and
- Recommendations for improving less than satisfactory response capability.

## PROJECT FRAMEWORK

CPSE will take a systematic approach to the agency's CRA-SOC process. The chart below illustrates the general flow of events for a comprehensive CRA-SOC process:





### PROJECT TIMELINE

There will be eight stages to this project. Once this proposal is accepted, a detailed Statement of Work (SOW) will be built that addresses the details for these stages, their timing, and the roles that CPSE and the agency will play in their completion. A sample SOW is provided at the end of this proposal. Once a signed professional services agreement (PSA) and a finalized SOW is received, CPSE can begin work on this project within one month and complete the project within another five to eight months for a total project time of six to nine months.

1. CFAI Accreditation Model (Category 2) Instruction on Community Risk Assessment – Standards of Cover
2. Current Deployment Analysis
3. Community Risk Assessment
4. Agency CRA-SOC Document Critical Review
5. Distribution/Concentration/Reliability Study
6. Performance/Service Level Measures Development
7. Compliance Methodology Development
8. CRA-SOC Manual Publication

### DELIVERABLES

CPSE is responsible for the following deliverables:

1. Statement of Work with project objectives and agreed upon timelines and fee schedule;
2. Shared Web site construction and training for CPSE and agency use;
3. All necessary tables, forms, instruments and modules;
4. Six (6) days of on-site facilitation activity to include;
  - a. Community Expectations External Stakeholder Meeting
  - b. Two (2) CRA-SOC instructional deliveries to the agency CRA-SOC Team members
  - c. Tour of the service area identifying community risk locations and deployment points
5. CPSE Subject Matter Expert feedback on all draft documents;
6. Facilitation of up to six 90-minute CPSE facilitator/agency web meetings for draft document critical review and/or discussion; and
7. Layout, design, edit and publishing of the agency's Community Risk Assessment – Standards of Cover document to include;
  - a. Professionally designed cover
  - b. Hyperlinked Table of Contents and Table of Tables
  - c. Executive Summary
  - d. Documentation of Area Characteristics
  - e. Description of Agency Programs and Services
  - f. Community All-Hazard Risk Assessment and Risk Calculation Methodology
  - g. Current Deployment and Performance Assessment by Risk Class and Category
  - h. Evaluation of Historical (3-5 years) Deployment Performance by Risk Class and Category
  - i. Plans for Maintaining and Improving Response Capability
  - j. Appendices/Exhibits



## COMMUNITY RISK ASSESSMENT & STANDARDS OF COVER FACILITATION

### CPSE RESOURCES

CPSE's TAP Program Manager oversees every project to ensure that the end-result of each project is a satisfied client whose expectations are fully met. Guiding publications and instructional workbooks will be provided for the agency's accreditation team.

### ESTIMATED FEES AND EXPENSES

CPSE has estimated the following fees and expenses for this project:

The standard cost for CPSE to facilitate the development of a CRA-SOC project is \$34,500. CPSE is pleased to offer the Louisville Fire District a reduced quote of **\$32,500** as the project community stakeholder component of work will be accomplished during the CPSE facilitated Community Driven Strategic Plan.

This proposed cost includes all technical advisor time and travel expenses to facilitate the Community Risk Assessment – Standards of Cover facilitation process. The facilitation process events will be scheduled according to the agreed upon Statement of Work. Any additional travel requested and approved by Louisville Fire District will be billed by CPSE at actual cost and is above and beyond the proposed cost above.

### ASSUMPTIONS

Louisville Fire District is a fire protection district that provides services to the residents, businesses, and visitors within its coverage area in Colorado.

- Battalion Chief Diane Schroeder is the key contact for this project.
- Please provide information regarding specific procurement requirements prior to the issue of a CPSE Professional Services Agreement.
- The purpose of CPSE's Technical Advisor Program (TAP) is to coach, mentor, guide, and assist fire service agencies. Agency representatives will play an active role in developing their Community Risk Assessment – Standards of Cover document.
- This proposal is valid for a period of sixty (60) days.
- CPSE and the Louisville Fire District will execute a professional services agreement prior to the start of this project.
- CPSE and the Louisville Fire District will execute a statement of work governed by the professional services agreement prior to the start of this project that will be the sole document to govern the scope, methods, terms, and deliverables of this project.

### INQUIRIES

Please contact CPSE with any inquiries regarding this proposal:

Richard K. Fagan, CFO

Technical Advisor Program Manager

4501 Singer Court, Suite 180

Chantilly, VA 20151

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# COMMUNITY RISK ASSESSMENT & STANDARDS OF COVER FACILITATION

## SAMPLE STATEMENT OF WORK

Sample Statement of Work				
Project Steps	Step Details	Step Timing	Step Responsibility	Step Billing
1. Project Acceptance	<ul style="list-style-type: none"> <li>Finalized Statement of Work</li> <li>Signed Professional Services Agreement</li> <li>Construction of Updated Shared Web Site</li> </ul>	By Friday, July 9, 2021	CPSE and Agency	1/5 of contract price
2. Project Executive Orientation	<ul style="list-style-type: none"> <li>Discussion of final SOW and identification of resources needed for each step</li> <li>Overview of the Shared Web Site</li> </ul>	By Friday, July 16, 2021	CPSE	N/A
3. Post Required Materials to Shared Site	<ul style="list-style-type: none"> <li>Update Agency primary contact information</li> <li>Agency and community images, including high resolution agency logo</li> <li>Current Agency organizational chart</li> </ul>	By Friday, July 23, 2020	CPSE and Louisville Fire District	N/A
4. Self-Assessment and CRA-SOC Instruction (Part 1)	<ul style="list-style-type: none"> <li>On-site instruction of Community Risk Assessment – Standards of Cover for agency CRA-SOC Writers</li> <li>Instruction of CPSE TAP CRA-SOC template document construction modules</li> </ul>	Wednesday, July 28, 2021 through Friday, July 30, 2021	CPSE	1/5 of contract price
5. Current Community Served and Fire Department Profile	Modules 1 & 2 <ul style="list-style-type: none"> <li>Identification of community served (Module 1)</li> <li>Existing fire department profile, deployment and coverage (Module 2)</li> </ul>	By Wednesday, September 15, 2021	Agency	N/A
6. Instruction of CRA-SOC Manual Sections 2-6	<ul style="list-style-type: none"> <li>On-site Technical Review of Modules 1 &amp; 2</li> <li>Facilitation of Community Expectations public meeting</li> <li>On-site Instruction of text, and review of CRA-SOC template document modules 3-6</li> </ul>	Monday, September 20, 2021 through Wednesday, September 22, 2021	CPSE	1/5 of contract price
7. Community All-Hazard Risk Assessment & Hazard Analysis	Module 3 <ul style="list-style-type: none"> <li>Community All-Hazard Risk Assessment Methodology applied</li> <li>Community Risk Assessment documentation</li> <li>Risk expectations</li> </ul>	By Monday, November 8, 2021	Louisville Fire District	N/A
8. Module 3 Web Meeting Review	<ul style="list-style-type: none"> <li>Technical Review of Module 3</li> </ul>	By Friday, November 12, 2021	CPSE	N/A
9. Agency Distribution, Concentration and Reliability Study	Module 4 <ul style="list-style-type: none"> <li>Geographical analysis of first due and effective response force resource emergency response unit distribution, concentration and reliability</li> <li>Emergency response performance data analysis by response grid and planning zone</li> </ul>	By Monday, December 6, 2021	Agency	N/A
10. Module 4 Web Meeting Review	<ul style="list-style-type: none"> <li>Technical Review of Module 4</li> </ul>	By Friday, December 10, 2021	CPSE	N/A



## COMMUNITY RISK ASSESSMENT & STANDARDS OF COVER FACILITATION

11. Evaluation of Delivery System	Module 5 <ul style="list-style-type: none"><li>Establishing benchmark emergency response performance measures</li><li>Service area measurement</li></ul>	Monday, January 3, 2022	Agency	N/A
12. Module 5 Web Meeting Review	<ul style="list-style-type: none"><li>Technical Review of Module 5</li></ul>	By Friday, January 7, 2022	CPSE	1/5 of contract price
13. System Management and/or Improvement Plans	Module 6 <ul style="list-style-type: none"><li>Emergency response performance monitoring and measure to determine gaps between benchmark targets and baseline actuals</li><li>Report of gaps with recommendations for improvement</li></ul>	By Monday, January 24, 2022	Agency	N/A
14. Module 6 Web Meeting Review	<ul style="list-style-type: none"><li>Technical Review of Module 6</li></ul>	By Friday, January 28, 2022	CPSE	N/A
15. Publish Agency Community Risk Assessment – Standards of Cover Document	<ul style="list-style-type: none"><li>CPSE Edit, layout, design and publishing of the agency Community Risk Assessment – Standards of Cover Document</li></ul>	By Monday, February 21, 2022	CPSE	1/5 of contract price



## John Willson

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**From:** Diane Schroeder  
**Sent:** Wednesday, August 4, 2021 11:49 AM  
**To:** John Willson  
**Subject:** Re: CRA & SOC proposal

See answers in purple

- Break down on hours for each topic

The SOC/CRA is broken into 6 modules, the hours are subjective. CPSE will send the project manager out for 4 days and then for 2 days a couple of months later. The first visit will be a comprehensive training on how to do a SOC and CRA and instructions as to document the modules and fill out the templates. There will also be a driving tour of our district. This will get the team through the first 2 modules. The next visit will be to review modules 1 & 2 and then introduce modules 3-6.

The entire process will take 6-9 months. We also have unlimited hours with the protect manager for coaching, mentoring, guidance, and questions. CPSE will compile all of the information and create the final documents.

- They feel this will lead to more proposals from CPSE

This will set us up for accreditation if we decide we want to pursue that route. There are no additional proposals from CPSE.

- Who will lead this item on our team

I would like to be the lead on this project, I will have the bandwidth since the website is complete and I feel I have a good understanding of the project and working relationship with CPSE with the strategic planning session. This type of work is a passion of mine ☐

- Who else would be involved?

A team of 6-8 stakeholders, their commitment will vary depending on which module. Not all stakeholders will be from LFPD, we would extend an invitation to dispatch and the city of Louisville for GIS/mapping. I have a general idea of the team I would like to assemble. We are at an advantage because of all the data collection and work with ImageTrend that Stark and Rossette have already done.

- If we don't have the time to do it now – why would we have time in the future?

- 

It is not an issue of having time, but more an issue of not knowing what we don't know. We don't have the time to do this without help. I am confident that we can do this with help from CPSE. Completing the strategic plan gives us a solid foundation and framework. However, to remain resilient and relevant as an organization moving forward the SOC/CRA will give us a solid structure on top of the foundation. We are paying for the guidance, knowledge, mentorship, and experience. There is no need to reinvent the wheel, but if taking on this project without their help will be like building a car with IKEA directions. The SOC/CRA is the lynchpin to help determine future decisions for LFPD. We will be able to create service level objectives, understand the comprehensive risk to the community, decide how much risk we are willing to absorb as an organization, and how we can provide the best service delivery to our community. Once complete we will know all of the points of service delivery and the variables to our risk. This will reduce subjective decision-making and ensure we have the appropriate equipment and staffing as we grow.

Diane Schroeder, EFO  
Battalion Chief/ EMS Chief  
Louisville Fire Protection District  
895 Via Appia  
Louisville, CO 80027  
Cell: 303-918-8916

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**From:** John Willson <JWillson@louisvillefire.com>  
**Sent:** Friday, July 9, 2021 5:50 PM  
**To:** Diane Schroeder <dschroeder@louisvillefire.com>  
**Subject:** CRA & SOC proposal

So the Board wants some more answers to the following questions ( so they didn't approve the proposal last night);

- Break down on hours for each topic
- They feel this will lead for more proposals from CPSE
- Who will lead this item on our team
- Who else would be involved
- If we don't have the time to do it now – why would we have time in the future

Let's talk

John Willson  
Fire Chief  
Louisville Fire Protection District  
[jwillson@louisvillefire.com](mailto:jwillson@louisvillefire.com)  
303 666-6595 Ext 201 (Office)  
303 877-5089 (Cell)

# Audit

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# **LOUISVILLE FIRE PROTECTION DISTRICT**



## **New Business**

**Subject:** 2020 Audit Report

**Summary:** I have attached a copy of the 2020 Audit report completed by Cahill & Associates, PC

**Fiscal Impact:** None

**Recommendation:** Staff recommends a motion to accept the 2020 Audit report

# **Engaged on Purpose Survey Update**

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# Culture overview report

Prepared for Louisville Fire Department  
Louisville Fire Department - Thursday, August 5, 2021

# Guidelines for data analysis

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**% Very positive**

Percent of respondents that answered very positively to a category or question.

**% Positive**

Percent of respondents that answered positively to a category or question.

**% Neutral**

Percent of respondents that answered neutrally to a category or question.

**% Negative**

Percent of respondents that answered negatively to a category or question.

**% Very negative**

Percent of respondents that answered very negatively to a category or question.

OVERVIEW

# Culture overview

Louisville Fire Department - 8/5/2021

CATEGORY	SCORE	DISTRIBUTION	% POSITIVE RESPONSES	RESPONDENTS
Relationship with manager	7.8		79%	40
Diversity and inclusion	7.8		78%	39
Pride	7.8		82%	39
Relationship to colleagues	7.7		77%	41
Personal wellbeing	7.5		71%	36
Commitment to organization	7.5		79%	39
Accomplishment	7.4		80%	39
Purpose alignment	7.3		74%	41
Autonomy	7.3		74%	40
Strategy of the organization	7.0		67%	42
Professional growth	6.8		69%	43
Workload	6.5		67%	37
Innovation	6.3		59%	40
Recognition	6.3		57%	37



Culture overview

Comments

Compare

Historical engagement

Heatmap

# Heatmap per Department

Current score 3-month progress

Louisville Fire Department  
Tactical Operation Division  
Volunteer

Participation 73% 75% 69%

Attrition risk - -

Global 7.2 7.0 7.2

Relationship with manager 7.8 7.6 8.2

Diversity and inclusion 7.8 7.7 7.2

Pride 7.8 7.6 7.7

Relationship to colleagues 7.7 7.8 8.0

Personal wellbeing 7.5 7.1 7.4

Commitment to organization	7.5	7.0	7.7
Accomplishment	7.4	7.2	6.7
Purpose alignment	7.3	6.9	8.1
Autonomy	7.3	7.0	6.7
Strategy of the organization	7.0	6.8	6.5
Professional growth	6.8	6.8	6.7
Workload	6.5	5.9	7.5
Innovation	6.3	6.2	4.9
Recognition	6.3	5.7	7.2



# **Fire Marshal's Report**

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# Monthly Report for August 2021 LSPFD

- 92 Business inspections completed this month, 70% for the year.
- Fire alarm final inspection at 285 Century Pl (Peakware).
- Food truck inspection for (The Snowy Churro).
- Development Review Committee meeting.
- Meeting with the Building department and representative for a new company possibly coming into town.
- Final inspection at 285 Century Pl (Peakware).
- Final inspection at 1347 So Boulder Rd (Ace Hardware).
- Final inspection at 824 South Street(South Street LLC).
- Food truck inspection (MIKI Scrooge).
- Fire alarm plan review for 416 So Taylor Ave (Eco Close).
- Fire sprinkler permit for 385 So Pierce Ave #G (White Buffalo).
- Food truck inspection for (Tibet's).
- Attend Board meeting.
- Review planning referral for Coal Creek Station project (2<sup>nd</sup> submittal).
- Fire alarm plan review for 1480 S Arthur St (SREIT).
- Fire alarm plan review for 1849 Cherry St #8 (Infinitus Pizza Kitchen).
- Fire sprinkler plan review for 1849 Cherry St #12 (Bear Vault).
- Tenant finish plan review for 992 Via Appia (Louisville PD).
- New 12-plex plan review for 1304 Snowberry Lane (Markel Homes).
- Fire sprinkler plan review for 948 Dillon RD (Courtyard Marriot).
- Fire alarm plan review for 1350 So 96<sup>th</sup> St (Boulder Innovations).
- Fire alarm permit for 1452 S 96<sup>th</sup> St (Boulder Innovations).
- Tenant finish plan review for 246 So Taylor Ave (Old Viasala Bldg).
- Food truck inspection for Cousin's Kitchen.
- Fire sprinkler plan review for 1875 Taylor Ave (FCM-II).
- Tenant finish plan review for 925 Grant Ave (Saint Louis Catholic School).
- New 12-plex plan review for 1308 Snowberry Lane (Markel Homes).
- Fire alarm inspection at 1-Superior Dr (FAILED)(Angry Horse).
- Tenant finish plan review for 486 So Pierce Ave (Solid Power).
- Fire alarm final inspection at 845 W Dahlia (Fire Side Elementary).
- Fire sprinkler plan review for 1308 Snowberry Lane (12-Plex, Markel Homes).
- Fire sprinkler plan review for 1304 Snowberry Lane (12-Plex, Markel Homes).
- Tenant finish plan review for 858 Coal Cr (Cable Labs).
- Tenant finish plan review for 1375 So Boulder rd (King Soopers).
- 200 PIS test and rough sprinkler inspection at 416 So Taylor ave (Eco Close).
- Fire alarm plan review for 416 So Taylor Ave (Eco Close).

- Final inspection at 1-Superior Dr (Angry Horse).
- Fire investigation for a vehicle fire at 855 Dillon RD (Police Car).
- Development Review Committee meeting.
- Fire sprinkler plan review for 1776 Boxelder St (Rhatigan Volleyball).
- Fire sprinkler final inspection at 416 So Taylor Ave (Eco Close).
- Food truck inspection for Ruby Rue's.
- Final inspection at 416 So Taylor Ave (Eco Close).
- Fire alarm plan review for 740 So Pierce Ave (John Propp Commercial).
- Review planning referral for 940 Main St (Kilcoyne).
- Underground fire line plan review for 333 Centennial Pkwy (Repair).
- Investigate dumpster fire at 855 Dillon Road (Multiple incidents there).
- Final fire sprinkler inspection at 1201 Lincoln Ave.
- Tenant finish plan review for 1172 Century Dr #200 (Aurora Tech)
- Fire sprinkler rough inspection at 600 Tech Ct (LOXO Oncology).
- Meeting with the CBO regarding Spice China's hibachi grills.
- Review planning referral for the Watermill Carwash (2<sup>nd</sup> Submittal).
- Fire sprinkler plan review for 1849 Cherry St #1 (Altitude Construction).
- General office and field work.

# **Bills**

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**Louisville Fire Protection District - Bills For Approval – August 12, 2021**

CenturyLink	Data bundle - St 3	\$ 594.98
Colo-Div of Fire Safety & Control	Exams	60.00
Bound Tree Medical	Medical supplies	502.95
Consolidated Fleet Services	Ladder testing	2,477.20
Mountain View Fire Prot District	E-C; repairs, oil change	3,286.43
Everest Mechancial Northern Colo	Replaced sump pumps - St 3	4,700.00
H&E Equipment Services	T-B; Repairs, hydraulic fluid change	3,712.90
WEX Bank	Fuel - fleet	1,385.55
Verizon	Cell phones service	1,372.96
Roth Medical	Oxygen replacement tanks	270.00
Bound Tree Medical	Medical supplies	281.99
Equipment Savers	Filled fuel tank - St 3	1,590.69
Via Tek	PC/network support; managed services	2,088.50
Khristian Lukianov	Reimb - class registration	95.00
Xcel Energy	Utilities	3,000.51
Western Disposal	Trash removal	483.70
Home Depot	Tape, equipment for props	327.61
Service Experts	AC maintenance	2,811.00
Louisville Auto Supply	Jumper cables, Trufuel, floor dry, DEF, washer fluid, car wash, tire care, tape	104.08
H&E Equipment Services	T-A; PM, repairs, aerial inspections, fluid/oil changes	8,270.30
DH Pace	Caulked bay doors, installed new door openers	2,014.06
Green Valley Lawn Service	Lawn maintenance	1,095.00
Colleen Foster	Medical direction	6,368.75
A Path Forward	Counseling sessions	160.00
US Bank	CC; monthly fees (Adobe Pro, Stamps.com, Ring Central), office/station/training/medical supplies, cable TV, water & sewer, high-speed internet, legal fees, tolls, batteries, psychological evaluations, foam, SCBA flow tests & repairs, apparel, electrical repairs - all stations, park rental fee, food - officers' meeting, shipping, postage, M-C new alternator, A-B plug, coil & fuel injector, M-C recharge AC, waxed ladder truck, accountability tags, fuel, airfare, emission tests	20,374.60
CenturyLink	Data bundle - St 3	594.98
Bound Tree Medical	Medical supplies	1,014.90
DIRECTV	TV - St 3	81.99
Gen-Tech	Annual generator service - all stations	1,596.00
Teleflex	Medical supplies	612.50
Mile-Hi Sprinkler	Sprinkler system repairs - St 1 & St 2	279.00
H&E Equipment Services	T-A; PM, repairs	10,016.52
BearCom	Portable radio repair	575.00
Equipment Savers	Filled fuel tank - St 3	1,650.59
Pinnacol Assurance	Workers' compensation	10,061.00
WageWorks, Inc	FSA administrative fees	71.00
Colorado State Treasurer	Unemployment tax	2,556.12
US Bank	Service fees	89.35
IRS	Medicare Hospital Insurance	7,031.67
PERA	Employer contribution – June	45,735.37
PERACare	Health insurance – June	45,870.45
John Willson	Wages	17,558.43
Chris Mestas	Wages	14,260.69
Jackie Fry	Wages	13,075.20
Brian Jackson	Wages	13,464.00
Samiyyah Jackson	Wages	11,248.56
Shawn Stark	Wages	13,464.00

DeAnne Wixson	Wages	\$ 5,332.80
Emily Kircher	Wages	7,384.80
James Bage	Wages	13,875.72
Adam Bowler	Wages	15,362.40
Brian Brindisi	Wages	10,922.42
Christopher Bussard	Wages	10,646.78
Asa Capsouto	Wages	8,372.14
Kyle Carlson	Wages	7,420.80
Casey Conrad	Wages	10,018.83
Codi Courtney	Wages	11,656.27
Andrea Crass	Wages	8,759.02
Isabella Dean	Wages	11,553.10
Thomas Gillis	Wages	17,580.50
Jesse Hickox	Wages	10,172.07
Nicholas Houston	Wages	12,008.60
Daniel Hunter	Wages	10,957.95
Brandon Kodey	Wages	7,420.80
McKinley Land	Wages	13,012.44
Cassidy Lear	Wages	15,931.10
Jillian Luebke	Wages	8,571.75
Khristian Lukianov	Wages	8,060.29
Grant Medina	Wages	11,687.94
Chris Melvin	Wages	18,832.03
Brian O'Mara	Wages	8,200.14
Victor Oliveira	Wages	13,357.98
Jason Rogers	Wages	13,794.99
Timothy Rossette	Wages	12,603.99
Brian Saxon	Wages	14,722.02
Elizabeth Schenk	Wages	7,420.80
Diane Schroeder	Wages	17,606.99
Jeff Schuppe	Wages	19,849.29
Dustin Sieve	Wages	19,918.22
Evan Smart	Wages	9,944.01
Pierumberto Sosta	Wages	10,617.98
Pierumberto Sosta	TOWP payout	2,886.11
John Udden	Wages	15,180.79
Nicolas Venot	Wages	9,042.08
Andrew Welsh	Wages	9,747.66
Chris Whitson	Wages	11,599.64
Larry Boven	7/8/21 Regular board meeting	75.00
Shawn Clemenson	7/8/21 Regular board meeting	75.00
John Milanski	7/8/21 Regular board meeting	75.00
Chris Schmidt	7/8/21 Regular board meeting	75.00
Wayne Varra	7/8/21 Regular board meeting	75.00
Brett Miranda	Volunteer reimbursement	1,065.00
Eric Berger	Volunteer reimbursement	202.00
Jason Brewer	Volunteer reimbursement	157.25
Joshua Schmidt	Volunteer reimbursement	268.25
Kevin Epperson	Volunteer reimbursement	1,547.00
Lance Bishop	Volunteer reimbursement	497.00
Matthew Calnan	Volunteer reimbursement	781.00
Ryan Chreist	Volunteer reimbursement	923.00
Surf Thompson	Volunteer reimbursement	426.00
Taylor Matthewman	Volunteer reimbursement	852.00
Brad Bennett	Volunteer reimbursement	1,313.00
<b>TOTAL</b>		<b>\$ 738,775.82</b>



# Budget Report

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		Amount Remaining 6/30/21	July Expenses	August Expenses	September Expenses	October Expenses	November Expenses	December Expenses	Amount Remaining
<b>LOGISTICS/BUILDINGS &amp; GROUNDS</b>									
5031	Building Maintenance/Repairs Kitchen Supplies/Appliance Replacement - \$1,200 Bay Door Maint/Repair - \$2,000	\$ 22,383.31	\$ 12,213.47						\$ 10,169.84
	Building Maint/Repairs - \$28,600								\$ -
	Gym Equipment - \$2,400								\$ -
	Emerg Generator PM - \$1900								\$ -
5032	Utilities-Gas, Elec, Phone, Water Gas/Elec - \$50,000	\$ 75,125.05	\$ 7,126.06						\$ 67,998.99
	Station Phones/T1Line - \$30,000								\$ -
	Cell Phones - \$16,000								\$ -
	Water - \$15,000								\$ -
5033	Trash Removal	\$ 3,325.25	\$ 483.70						\$ 2,841.55
5033	Grounds Maint/Snow Removal	\$ 9,425.17	\$ 1,378.99						\$ 8,046.18
5041	Insurance Package	\$ 2,595.00	\$ -						\$ 2,595.00
5055	Data Processing (Technology) Software Licensing	\$ 7,452.46	\$ 2,088.50						\$ 5,363.96
5055	Agreements/Tech Support	\$ 199.25	\$ 78.95						\$ 120.30
	<b>TOTAL</b>	<b>\$ 120,505.49</b>	<b>\$ 23,369.67</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 97,135.82</b>
		Amount Remaining 6/30/21	July Expenses	August Expenses	September Expenses	October Expenses	November Expenses	December Expenses	Amount Remaining
<b>TACTICAL OPERATIONS</b>									
Labor - Battalion Chiefs									
5010	(Fully-burdened)	\$ 1,753,510.52	\$ 374,599.54						\$ 1,378,910.98
Benefit Payouts/Salary									
5010	Adjustments/Promotions	\$ 35,000.00	\$ -						\$ 35,000.00
5013	Work Comp - Volunteers	\$ (26,403.41)	\$ 10,061.00						\$ (36,464.41)
5018	Hazmat IGA	\$ 35.68	\$ (1,619.12)						\$ 1,654.80
5041	Life Insurance	\$ 7,004.40	\$ -						\$ 7,004.40
5041	Accident/Sickness Insurance	\$ 3,000.00	\$ -						\$ 3,000.00
5041	Cancer Trust	\$ 7,000.00	\$ -						\$ 7,000.00
5061	Radio Equipment	\$ 18,201.28	\$ -						\$ 18,201.28
5062	Radio Repair & Maintenance	\$ 4,880.00	\$ 575.00						\$ 4,305.00
5075	Replacement Hose	\$ 5,000.00	\$ -						\$ 5,000.00
5076	Firefighting Equipment	\$ 29,259.76	\$ 1,665.99						\$ 27,593.77
5077	PPE/Apparel	\$ 64,299.04	\$ 3,245.89						\$ 61,053.15



	Amount Remaining 6/30/2021	July Expenses	August Expenses	September Expenses	October Expenses	November Expenses	December Expenses	Amount Remaining
<b>CAPITAL IMPROVEMENTS</b>								
	Large Equipment							
6101	(Capital Reserve)	\$ 200,689.27	-					\$ 200,689.27
	Building Related							
6102	(Capital Reserve)	\$ (7,321.00)	\$ 2,014.06					\$ (9,335.06)
6103	Property Acquisition	\$ -	-					\$ -
6104	Lease-Purchase Payment	\$ -	-					\$ -
6105	Apparatus Replacement	\$ -	-					\$ -
6108	Capital Reserve	\$ 400,000.00	-					\$ 400,000.00
	<b>TOTAL</b>	<b>\$ 593,368.27</b>	<b>\$ 2,014.06</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 591,354.21</b>
<b>PENSION</b>								
	Amount Remaining 6/30/21	July Expenses	August Expenses	September Expenses	October Expenses	November Expenses	December Expenses	Amount Remaining
6111	Fire Pensions	\$ 239,622.40	(105.00)					\$ 239,727.40
6113	Pension Fund Reserve	\$ -	-					\$ -
6114	Actuarial Study	\$ 2,000.00	-					\$ 2,000.00
	<b>TOTAL</b>	<b>\$ 241,622.40</b>	<b>(105.00)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 241,727.40</b>

# LFPD Budget Report - July 2021

Acct #	ADMINISTRATION Labor -Chief, Business Admin, Admin Asst	Amount Budgeted	2021 Budgeted Property Tax Revenue		Actual Property Tax Revenue - Current Month		Actual Property Tax Revenue Y-T-D		April Expenses	May Expenses	June Expenses	Amount Remaining
			January Expenses	February Expenses	March Expenses	Difference						
General Fund Property Tax Revenue			\$ 7,788,693	\$ 76,666	\$ 7,471,324	95.9%						
Expenditures												
5010	(Fully-burdened)	\$ 528,516	\$ 45,940.49	\$ 39,662.51	\$ 39,662.44	\$ 39,662.51	\$ 39,661.25	\$ 39,661.29	\$ 284,265.51			
5010	(Fully-burdened)	\$ 7,000	\$ 428.35	\$ 428.35	\$ 428.35	\$ 428.35	\$ 342.68	\$ 342.68	\$ 4,601.24			
5018	Consultant Fees	\$ 28,000	\$ 7,237.50	\$ -	\$ -	\$ 6,000.00	\$ 1,241.68	\$ 6,000.00	\$ 7,520.82			
5021	Attorney Fees	\$ 15,000	\$ -	\$ -	\$ 97.00	\$ 1,139.00	\$ 3,379.50	\$ 1,611.50	\$ 8,773.00			
5022	Accounting/Audit	\$ 17,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,000.00			
5023	Election	\$ 1	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1.00			
5024	County Treasurer's Fees	\$ 115,000	\$ 3,064.47	\$ 34,358.11	\$ 13,189.83	\$ 26,435.44	\$ 10,697.63	\$ 25,668.56	\$ 1,585.96			
5051	Office Supplies	\$ 4,500	\$ 470.92	\$ -	\$ 274.95	\$ 799.35	\$ 222.23	\$ 288.77	\$ 2,443.78			
5052	Postage	\$ 2,000	\$ 295.13	\$ -	\$ 67.59	\$ 154.34	\$ 199.34	\$ 155.99	\$ 1,127.61			
5053	Printing & Publishing	\$ 5,000	\$ 632.50	\$ -	\$ 193.96	\$ 321.00	\$ -	\$ 495.65	\$ 3,356.89			
5054	Furniture	\$ 2,000	\$ 272.95	\$ -	\$ -	\$ -	\$ -	\$ 52.88	\$ 1,674.17			
5055	Data Processing/ Direct deposit fees	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000.00			
5082	Dues & Subscriptions	\$ 3,800	\$ 424.26	\$ 1,336.00	\$ -	\$ -	\$ -	\$ 297.26	\$ 1,742.48			
5096	Fire Chiefs Expenses	\$ 2,000	\$ 638.33	\$ 300.00	\$ 104.18	\$ 339.77	\$ -	\$ 172.02	\$ 445.70			
6121	Contingency	\$ 5,000	\$ 563.50	\$ 166.75	\$ 161.25	\$ 162.65	\$ 394.74	\$ 160.35	\$ 3,390.76			
6128	Contingency for Pension Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
<b>TOTAL</b>		<b>\$ 735,817</b>	<b>\$ 59,968.40</b>	<b>\$ 76,251.72</b>	<b>\$ 54,179.55</b>	<b>\$ 75,442.41</b>	<b>\$ 56,139.05</b>	<b>\$ 74,906.95</b>	<b>\$ 338,928.92</b>			

Acct #	FLEET MAINTENANCE	Amount Budgeted	January Expenses	February Expenses	March Expenses	April Expenses	May Expenses	June Expenses	Amount Remaining
5071	Repairs & Maintenance	\$ 98,600	\$ 3,737.08	\$ 1,286.74	\$ 11,338.09	\$ 7,977.57	\$ 23,325.35	\$ 2,990.96	\$ 47,944.21
5071	Compressor Air Tests/Maint	\$ 10,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,578.75	\$ 8,821.25
5073	Fuel	\$ 37,000	\$ 1,994.26	\$ 1,968.80	\$ 2,558.14	\$ 3,974.44	\$ 2,559.61	\$ 2,691.73	\$ 21,253.02
5073	Oil & Lubrication	\$ 2,500	\$ 67.78	\$ 59.97	\$ 452.04	\$ 68.93	\$ -	\$ 70.35	\$ 1,780.93
5074	Tires & Accessories	\$ 11,800	\$ -	\$ -	\$ 2,495.00	\$ -	\$ 784.05	\$ 25.00	\$ 8,495.95
6121	Emerg Repairs & Contingency	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000.00
	<b>TOTAL</b>	<b>\$ 170,300</b>	<b>\$ 5,799.12</b>	<b>\$ 3,315.51</b>	<b>\$ 16,843.27</b>	<b>\$ 12,020.94</b>	<b>\$ 26,669.01</b>	<b>\$ 7,356.79</b>	<b>\$ 98,295.36</b>
Acct #	<b>PREVENTION</b>	Amount Budgeted	January Expenses	February Expenses	March Expenses	April Expenses	May Expenses	June Expenses	Amount Remaining
5010	(Fully-burdened)	\$ 252,063	\$ 12,787.47	\$ 13,518.15	\$ 12,966.42	\$ 13,428.69	\$ 13,339.22	\$ 17,517.52	\$ 168,505.53
5077	Apparel	\$ 800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 800.00
5082	Dues & Subscriptions	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200.00
5085	Fire Prevention Week	\$ 1,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,200.00
5085	Smoke Detectors	\$ 500	\$ 303.79	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 196.21
5085	Equipment	\$ 500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500.00
5085	Code Books	\$ 200	\$ -	\$ -	\$ -	\$ 122.95	\$ -	\$ -	\$ 77.05
	<b>TOTAL</b>	<b>\$ 255,463</b>	<b>\$ 13,091.26</b>	<b>\$ 13,518.15</b>	<b>\$ 12,966.42</b>	<b>\$ 13,551.64</b>	<b>\$ 13,339.22</b>	<b>\$ 17,517.52</b>	<b>\$ 171,478.79</b>
Acct #	<b>TRAINING</b>	Amount Budgeted	January Expenses	February Expenses	March Expenses	April Expenses	May Expenses	June Expenses	Amount Remaining
5010	Labor-Captains (Fully-burdened)	\$ 318,202	\$ 24,407.81	\$ 23,368.62	\$ 23,368.62	\$ 23,368.62	\$ 23,368.62	\$ 23,953.41	\$ 176,366.30
5081	Training	\$ 66,750	\$ 3,729.71	\$ 4,507.21	\$ 4,834.03	\$ 10,480.76	\$ 3,436.33	\$ 1,609.00	\$ 38,152.96
5081	Scholarship/Career Tuition	\$ 9,000	\$ 1,434.20	\$ -	\$ -	\$ -	\$ 571.50	\$ -	\$ 6,994.30
5082	Dues & Subscriptions	\$ 500	\$ 300.00	\$ 100.00	\$ -	\$ -	\$ -	\$ -	\$ 100.00
	<b>TOTAL</b>	<b>\$ 394,452</b>	<b>\$ 29,871.72</b>	<b>\$ 27,975.83</b>	<b>\$ 28,202.65</b>	<b>\$ 33,849.38</b>	<b>\$ 27,376.45</b>	<b>\$ 25,562.41</b>	<b>\$ 221,613.56</b>

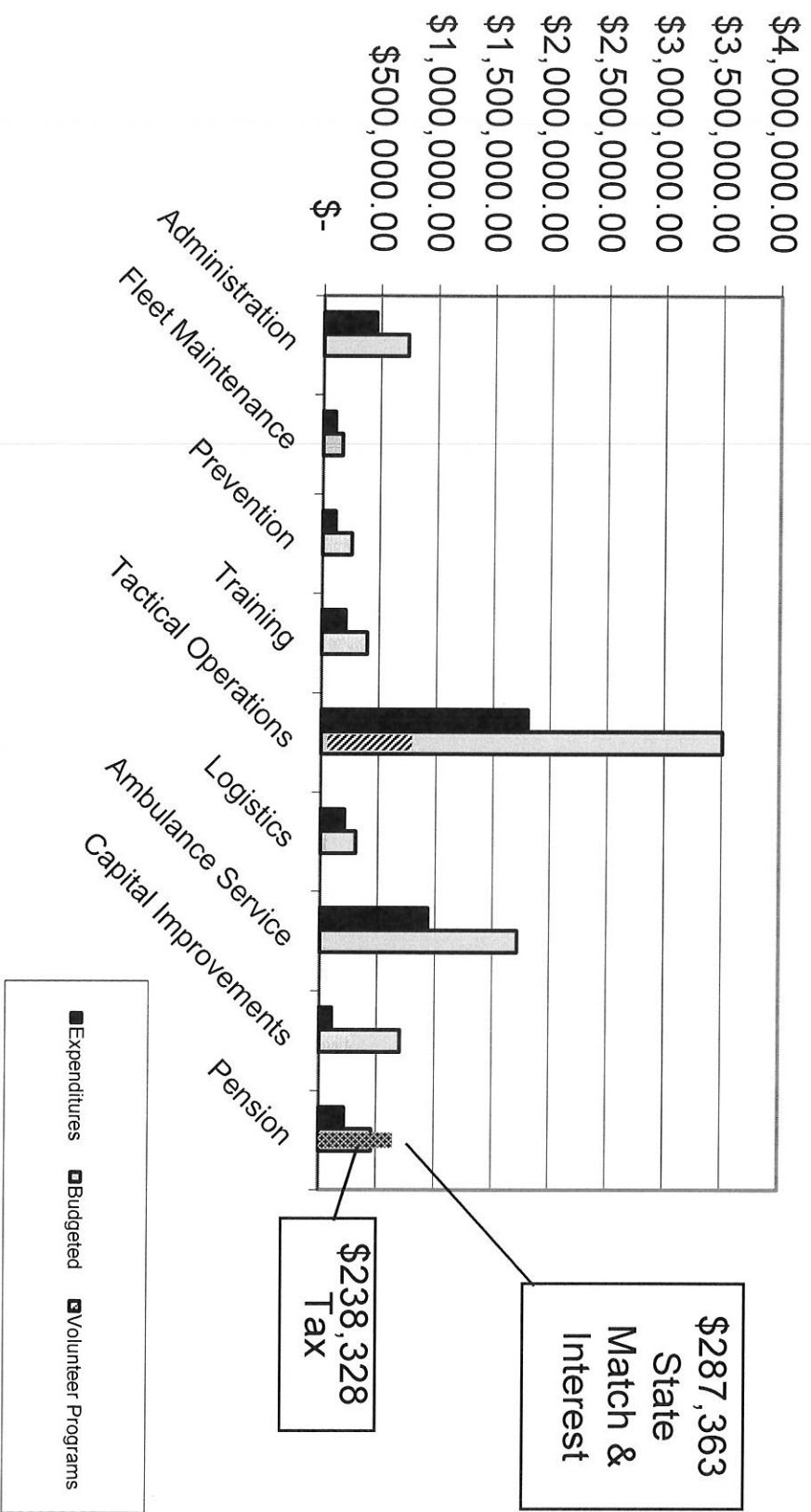


	LOGISTICS/BUILDINGS & GROUNDS	Amount Budgeted	January Expenses	February Expenses	March Expenses	April Expenses	May Expenses	June Expenses	Amount Remaining
5031	Building Maintenance/Repairs Kitchen Supplies/Appliance Replacement - \$1,200 Bay Door Maint/Repair - \$2,000 Building Maint/Repairs - \$28,600 Gym Equipment - \$2,400 Emerg Generator PM - \$1900	\$ 36,100	\$ 888.37	\$ 55.75	\$ 3,662.48	\$ 3,203.68	\$ 1,475.44	\$ 4,430.97	\$ 22,383.31
5032	Utilities-Gas, Elec, Phone, Water Gas/Elec - \$50,000 Station Phones/T1Line - \$30,000 Cell Phones - \$16,000 Water - \$15,000	\$ 111,000	\$ 2,077.83	\$ 5,133.89	\$ 8,643.95	\$ 7,057.74	\$ 6,357.75	\$ 6,603.79	\$ 75,125.05
5033	Trash Removal	\$ 5,500	\$ -	\$ 493.75	\$ 420.25	\$ 420.25	\$ 420.25	\$ 420.25	\$ 3,325.25
5033	Grounds Maint/Snow Removal	\$ 18,000	\$ 337.00	\$ 1,348.00	\$ 2,476.00	\$ 779.90	\$ 1,961.25	\$ 1,672.68	\$ 9,425.17
5041	Insurance Package	\$ 42,000	\$ -	\$ 39,988.00	\$ (583.00)	\$ -	\$ -	\$ -	\$ 2,595.00
5055	Data Processing (Technology) Software Licensing	\$ 43,000	\$ 3,336.50	\$ 2,053.50	\$ 1,983.50	\$ 1,698.50	\$ 8,153.04	\$ 18,322.50	\$ 7,452.46
5055	Agreements/Tech Support	\$ 49,501	\$ 26,893.19	\$ 700.00	\$ 10,265.64	\$ 5,677.02	\$ 1,211.95	\$ 4,553.95	\$ 199.25
	<b>TOTAL</b>	<b>\$ 305,101</b>	<b>\$ 33,532.89</b>	<b>\$ 49,772.89</b>	<b>\$ 26,868.82</b>	<b>\$ 18,837.09</b>	<b>\$ 19,579.68</b>	<b>\$ 36,004.14</b>	<b>\$ 120,505.49</b>
	<b>TACTICAL OPERATIONS</b>	<b>Amount Budgeted</b>	<b>January Expenses</b>	<b>February Expenses</b>	<b>March Expenses</b>	<b>April Expenses</b>	<b>May Expenses</b>	<b>June Expenses</b>	<b>Amount Remaining</b>
5010	Labor - Battalion Chiefs (Fully-burdened)	\$ 3,010,003	\$ 206,882.64	\$ 201,351.01	\$ 202,777.02	\$ 211,160.54	\$ 208,136.17	\$ 226,185.10	\$ 1,753,510.52
5010	Benefit Payouts/Salary	\$ 35,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,000.00
5013	Adjustments/Promotions	\$ 35,000	\$ -	\$ 6,355.00	\$ 12,889.71	\$ 32,097.70	\$ 10,061.00	\$ -	\$ (26,403.41)
5018	Work Comp - Volunteers	\$ 32,000	\$ 31,241.81	\$ 722.51	\$ -	\$ -	\$ -	\$ -	\$ 35.68
5041	Hazmat IGA	\$ 20,000	\$ -	\$ -	\$ 12,995.60	\$ -	\$ -	\$ -	\$ 7,004.40
5041	Life Insurance	\$ 3,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,000.00
5041	Accident/Sickness Insurance	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,000.00
5061	Cancer Trust	\$ 20,000	\$ -	\$ -	\$ -	\$ 1,798.72	\$ -	\$ -	\$ 18,201.28
5062	Radio Equipment	\$ 6,000	\$ -	\$ -	\$ 560.00	\$ -	\$ 560.00	\$ -	\$ 4,880.00
5075	Radio Repair & Maintenance	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000.00
5076	Replacement Hose	\$ 40,000	\$ 62.50	\$ -	\$ 411.19	\$ 4,342.31	\$ 3,514.95	\$ 2,409.29	\$ 29,259.76
5077	Firefighting Equipment PPE/Apparel	\$ 71,000	\$ 607.00	\$ 2,134.96	\$ 724.91	\$ 1,523.89	\$ -	\$ 1,710.20	\$ 64,299.04

<b>TACTICAL OPERATIONS</b>		Amount Budgeted	January Expenses	February Expenses	March Expenses	April Expenses	May Expenses	June Expenses	Amount Remaining
5083	Banquet	\$ 18,000	\$ -	\$ -	\$ 381.54	\$ 141.70	\$ -	\$ -	\$ 17,476.76
5084	Physical Exams, Vaccines	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ 2,050.00	\$ 1,174.50	\$ 16,775.50
5086	Recruitment	\$ 500	\$ -	\$ -	\$ 280.00	\$ 224.25	\$ 144.65	\$ 976.14	\$ (1,125.04)
5091	Station Operations	\$ 2,000	\$ -	\$ -	\$ 155.25	\$ 119.45	\$ 131.90	\$ 77.65	\$ 1,515.75
5092	Volunteer Reimbursements	\$ 139,300	\$ 6,241.66	\$ -	\$ -	\$ 8,383.00	\$ 3,289.18	\$ -	\$ 121,386.16
6121	Contingency (Equip/Supplies)	\$ 44,271	\$ -	\$ -	\$ 874.30	\$ -	\$ -	\$ 104.27	\$ 43,292.43
	<b>TOTAL</b>	<b>\$ 3,508,074</b>	<b>\$ 245,035.61</b>	<b>\$ 210,563.48</b>	<b>\$ 232,049.52</b>	<b>\$ 259,791.56</b>	<b>\$ 227,987.85</b>	<b>\$ 232,637.15</b>	<b>\$ 2,100,108.83</b>
<b>AMBULANCE SERVICE PROGRAM</b>									
Labor - Paramedics & Engineers									
5010	(Fully-burdened) Benefit Payouts/Salary	\$ 1,509,686	\$ 109,072.50	\$ 114,655.34	\$ 108,639.50	\$ 111,959.70	\$ 113,703.26	\$ 116,305.08	\$ 835,350.62
5010	Adjustments/Promotions	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000.00
EMS Quality Assurance/Physician Advisor/									
5018	Accreditation	\$ 80,000	\$ 11,368.75	\$ 6,368.75	\$ 6,368.75	\$ 1,368.75	\$ 6,368.75	\$ 6,368.75	\$ 41,787.50
5041	Insurance	\$ 10,800	\$ 744.84	\$ -	\$ -	\$ -	\$ -	\$ 14,371.00	\$ (4,315.84)
5077	Apparel	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000.00
5078	Medical Equipment & Supplies	\$ 51,500	\$ 2,376.87	\$ 1,358.82	\$ 5,144.06	\$ 2,739.74	\$ 8,805.01	\$ 5,073.65	\$ 26,001.85
Physical Examinations, Vaccines, Annual Assessments									
5084	Vaccines, Annual Assessments	\$ 21,000	\$ -	\$ 160.00	\$ 240.00	\$ 720.00	\$ 400.00	\$ 160.00	\$ 19,320.00
6121	CARES Program	\$ 3,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,500.00
	<b>TOTAL</b>	<b>\$ 1,718,486</b>	<b>\$ 123,562.96</b>	<b>\$ 122,542.91</b>	<b>\$ 120,392.31</b>	<b>\$ 116,788.19</b>	<b>\$ 129,277.02</b>	<b>\$ 142,278.48</b>	<b>\$ 963,644.13</b>

		Amount Budgeted	January Expenses	February Expenses	March Expenses	April Expenses	May Expenses	June Expenses	Amount Remaining
<b>CAPITAL IMPROVEMENTS</b>									
	Large Equipment								
6101	(Capital Reserve)	\$ 261,000	\$ -	\$ -	\$ -	\$ 52,466.25	\$ 1,064.38	\$ 6,780.10	\$ 200,689.27
	Building Related								
6102	(Capital Reserve)	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,321.00	\$ (7,321.00)
6103	Property Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6104	Lease-Purchase Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6105	Apparatus Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6108	Capital Reserve	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000.00
	<b>TOTAL</b>	<b>\$ 701,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 52,466.25</b>	<b>\$ 1,064.38</b>	<b>\$ 54,101.10</b>	<b>\$ 593,368.27</b>
<b>PENSION</b>									
	Amount Budgeted								
6111	Fire Pensions	\$ 456,775	\$ 72.60	\$ -	\$ 108,540.00	\$ -	\$ -	\$ 108,540.00	\$ 239,622.40
6113	Pension Fund Reserve	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6114	Actuarial Study	\$ 2,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,000.00
	<b>TOTAL</b>	<b>\$ 458,775</b>	<b>\$ 72.60</b>	<b>\$ -</b>	<b>\$ 108,540.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 108,540.00</b>	<b>\$ 241,622.40</b>

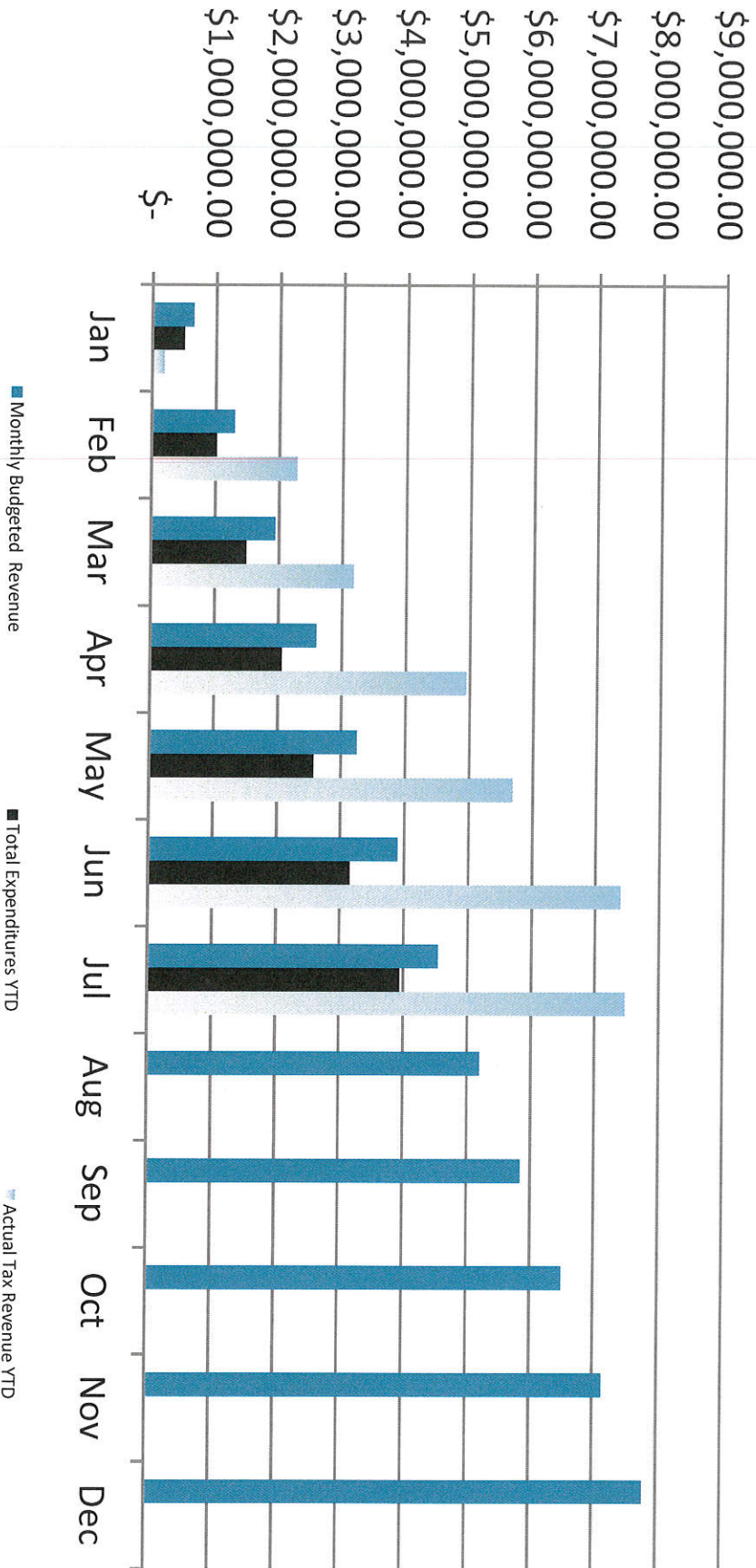
# LFPD 2021 Budget and Expenditures Year-To-Date July 31, 2021



# 2021 LFPD Budget

July 31, 2021

\*Excludes Pension Fund



# Safe Day

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*Louisville Fire Department*  
*“Everyone goes home”*

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**59**

Days without a lost time injury

Previous Best Record – 1,021 Days

Best Record – 1,559 Days