

URBANA



FIRE DIVISION



Annual Report

2013

**Urbana Fire
Division
Mission Statement**

The Urbana Fire Division is a highly motivated, efficient, cost effective, and customer service oriented team; committed to excellence in emergency medical service, fire suppression, rescue, fire prevention and education. We realize our vision of excellence through safe practices, dedication, professionalism, and leadership.

Core Values

Teamwork – Service – Competence – Integrity - Confidentiality

URBANA FIRE DIVISION



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Mark E. Keller, Chief

Mayor Bill Bean
Director of Administration Kerry Brugger
Members of City Council
Citizens of Urbana

Ladies and Gentlemen,

Submitted herewith is the Annual Report of the Activities of the Urbana Fire Division for the year 2013.

Figures contained in this report have been gathered throughout the year from daily reports and are as factual as daily operations permit.

Overall 2013 was a good year and the members of the fire division continue to work diligently to be both cost effective and efficient. In 2013 we did not have the same issues as last year when we had a drastic increase use of sick leave and injury leave. This has helped the division to maintain our overall cost. We continue to see recall overtime maintained at the lowest levels in recent times.

The Staffing for Adequate Fire and Emergency Response (SAFER) Grant was initially supposed to end in April of 2013 as we were able to extend the timeframe because of unspent money due vacancies that we had during the two years of the grant. The Grant funds ran out in Mid-August of 2013. City Administration and the fire chief agreed to keep the two positions filled until the end of the year or until we could get a good grasp of what 2014 would bring. The fire division would also be having two members retiring in January of 2014 so it would allow us to not fill positions if we are unable to due to lack of funds.

No different than any other year, 2013 has still brought some challenges to work through. In February of 2013 the city contracted Med-I-Count Management, Inc. to conduct our ambulance billing as a way to optimize our ambulance billing collections and improve efficiency. Throughout 2013 Med-I-Count Management has had difficulty reaching the levels of revenue that we were able to generate ourselves. We have continually met with Med-I-Count in order to come to an understanding why less revenue was being generated. In 2012, using city staff in the finance department \$424,870 was generated. In 2013, \$388,267 was generated by the contracted company and the amount we paid to the company was more than our overhead cost. This has spawned discussion and in 2014, we will discuss our options to bring the ambulance billing back in house and improve how we conduct the billing to be more efficient.

Throughout the year we continued to work with our fire and EMS contracts with the townships. In early 2013, Urbana, Salem, Union, Goshen Townships and the Village of Mechanicsburg contracted with the Ohio Fire Chiefs Association to conduct a study to determine what options the townships have to provide Fire and EMS protection to their residents. The study gave two options that would require a large increase in property taxes to establish. The townships and village were not receptive to the findings but did continue to look into options

thru the rest of the year. Currently, Urbana Township has a contract that will expire at the end of 2015, Salem Township is a year-to-year contract, and our Concord Township will expire at the end of 2015. In July of 2013, Union Township provided a written intent to withdraw from continuing our partnership beginning January 1, 2014. Since that letter was received several attempts were made to maintain the contract into next year. The main reason cited was cost compared to the Mechanicsburg Fire Department charges. The Union Township contract is a year-to-year contract that we will no longer have in 2014. This will be a loss of \$50,831. We will continued to work with the townships to provide the best service we can to protect their residents.

Positive things did happen in 2013 as well. In April, we were awarded a grant from the Federal Emergency Management Agency – Assistance to Firefighters Grant Program. Captain Kellenberger wrote the grant application to replace our entire self-contained breathing apparatus (SCBA) system and add needed rescue system to locate and provide emergency breathing air to a firefighter down inside a hazardous atmosphere. The total request for the grant was \$193,500.00 of which the city is responsible for 5% or 9,675.00. The Self-contained breathing apparatus that we currently have only meet the 1997 National Fire Protection Association (NFPA) Standard. NFPA updated the standard in 2013, posing a potential problem with either purchasing SCBAs that meet the 2007 standard, the last update, or wait and purchase the new 2013 standard SCBA. While this be a “no-brainer” to some, the problem is that we have only one year to purchase from the time of the award and the 2013 SCBA did not pass the require National Institute of Occupational Safety and Health testing by the end of 2013. Through discussion with FEMA we have been given an extension to purchase the 2013 SCBA in 2014.

Planning began in 2013 to build a fire training facility in Urbana that will provide our firefighters with very much needed hands on training. We have relied on getting old houses that were due to be torn down but many times the houses are not even good enough to provide safety effective learning to try different tactics or perform certain tasks. The fire division applied for a local grant to assist in the building of this facility which is estimated to cost approximately \$18,000-\$20,000. We were awarded a \$9,000 grant to get the project started and have budget the remaining money to complete the project. The facility will be constructed of intermodal containers set up to provide realistic training sessions and be very adaptable to changing scenarios. Thank you to Colin Stein and Street Department that have already prepared a training pad for the fire division north of the airport.

Finally, we continued our outreach programs such as CPR certification courses, our car seat program to install and educate our county residents on the proper methods to install car seats and how they are intended to be used, fire safety education to many organizations and individuals, Training with our city pool lifeguards and partnering with Urbana University and their athletic trainer program to help make emergencies seamless when we respond.

I would like to thank the Officers and Firefighters of the Urbana Fire Division for their loyalty and cooperation during the past year.

Respectfully Submitted,



Mark E. Keller, Chief

Table of Contents

ADMINISTRATIVE

2013 Executive Summary
Look into the Future
Staff Profiles

FIRE PREVENTION BUREAU

Public Education
Fire Prevention Activities
Inspection Activities
Fire Investigations

FIRE DATA

NFIRS Program
NFIRS Data Collection Process
EMS Data Collection Process
Breakdown of Fires and Other Incidents 2013
Breakdown of False Alarms Responses 2013
Leading fire causes 1996-2013
Areas of Fire Origin Summary 1996-2013
Total Incidents 1996-2013
Alarm Time Analysis 1996-2013
Incidents by day of week 1996-2013

APPARATUS AND MAINTENANCE

Medic 1	Brush 1
Medic 2	Chief 1
Medic 3	Chief2
Engine 1	Utility 1
Engine 2	Squad 4
Truck 1	Haz Mat 1
Engine 4	Fire Safety Trailer
Tanker 1	

Administrative

Prepared by Chief Mark E. Keller

Urbana Fire Division 2013 Executive Summary

	2013	2012	2011	2010	2009	2008	2007
EMS Runs	1795	1912	1849	1885	1745	1873	2029
City	1424	1529	1469	1460	1342	1446	1549
Rural	359	356	362	398	382	378	429
Mutual Aid	12	27	18	27	21	49	51
Motor Vehicle Acc.	117	113	138	148	148	145	142
City	60	55	74	76	76	81	76
Rural	51	52	59	72	72	64	66
Mutual Aid	6	6	5				
Fire Runs	411	451	446	515	548	697	595
City	302	323	334	380	356	507	425
Rural	96	101	80	107	158	151	132
Mutual Aid	13	27	32	28	34	39	38
Fire Loss/Saved Est.							
City	\$136,870	\$398,826	\$476,800	\$928,341	\$76,200	\$431,712	\$237,510
Rural	\$51,951	\$58,320	\$55,600	\$183,000	\$157,200	\$915,261	\$503,030
City Property Saved	\$3,065,390	\$1,333,249	\$1,346,500	\$4,173,766	\$7,653,640	\$8,959,658	\$2,575,890
Rural Property Saved	\$761,000	\$160,530	\$60,400	\$452,345	\$1,811,310	\$7,456,390	\$815,000
Receipts							
EMS Receipts	\$390,508.31	\$424,870	\$405,620	\$432,204	\$445,155	\$358,426	\$376,993
Other Receipts	\$437,455	\$215,979	\$174,105	\$208,866	\$160,081	\$156,502	\$206,283
Statistics							
Training Hours	5826	5618	6104	6023	6035	7069	6369
Vehicle Maintenance Hours	140.2	169	28	45.5	166	1043	201
Initial Inspections	134	192	77	120	155	125	128
City Re-inspections	84	179	9	9	18	29	84
Consultations	40	85	15	24	39	21	15
Lectures/Tours	12	28		10	28	32	29
Number of Adults	90	172		75	676	562	305
Number of Children	1634	2623	1306	397	1816	2000	1997
Vacation Hours Used	4218	3848	5018	4273	5079	4924	4217
Sick Hours Used	2238	*4191	*3641	2153	1504	2019	2683
Comp Hours Used	785	936	1017	1011	1485	1350	1877
Personal Hours Used	**1636	548	722	633	899	757	647
Duty Overtime Hours	570	619	1339	1996	2299	2393	2723
Training Overtime Hours	74	220	294	24	351	632	574
Holiday Hours Earned	2115	1699	1699	783	2155	1945	2190

*Several members had injuries, illnesses or family illnesses again this year that caused an increase in sick leave use.
 **Personal Time use has increased due to a policy change that requires a 72 hour notice prior to using Vacation or Comp Time. Personal Time is the only allowable time off with less than 72 hours' notice.

A Look into The Future

2014

During 2014 the fire division will be working on several projects for the year.

1. Purchase our new 2013 National Fire Protection Association Self-contained Breathing Apparatus. With this purchase we will have a great deal in time inventorying, labeling and training on the use of this new equipment.
2. Clean the fire station and make positive changes to improve the appearance. We will paint the bay walls and budget to resurface the older bay floor to help maintain the floor into the future. Along with painting the walls, the doors on the bay floors will be painted for the first time. Currently, most of our doors only have primer on them since the building renovation. The doors will have windows installed into them for safety prevention due to past potential accidents.
3. Building a new fire training facility just off the access road north of the airport. A drill pad area has been created by Colin Stein and the Street Department to place 5 intermodal containers on for training. Doors and windows will be cut into the containers and partition walls will be built to have changeable room inside the containers. The containers will become a building and a small container will be designed to have small fires inside to have a realistic environment in which to train. The work will be completed by fire division personnel. We hope to have a grand opening/open house sometime mid to late summer.
4. We will continue to reduce our carbon footprint by reducing the use of paper and move to digital. We have already eliminated nearly all of our daily paperwork: daily activity reports, daily training reports, time off requests, Shift trade forms, etc... are now digital format which has been a big step toward our goal to eliminate as much waste as possible.

We will strive to improve our operating efficiency both in-house and how we can improve our working relationships with other city departments and other emergency responders, where it be police, fire, EMS, Utility companies.

2015

Begin working on specifications for a new ambulance to be purchased in 2016. The process to develop these specifications can be lengthy and will take time to consider making the best decision on progressing forward. We hope to have the specifications written and the new unit ordered by the end of the year to purchase in 2016 when it is delivered. Replacing the ambulances must be a priority due EMS being the majority of our business and when need to have functioning ambulances to conduct that business. We will also continue to work with Urbana Township to possibly purchase their fire apparatus.

Staff Profiles

Chief Mark Keller

Appointed to Division March 1, 1992
 Promoted to Captain June 13, 2007
 Promoted to Chief September 15, 2011
 A.A American Intercontinental University

Staff Duties	Champaign County Comm. Center – Operations Board Champaign County EMA Executive Board Champaign County LEPC Executive Board Champaign County Coordinator-Ohio Fire Chiefs Emergency Response Plan Box 13 Liaison		
Specialties	Haz Mat Tech Fire Investigator	Fire Service Instructor Certified Fire Safety Inspector	

Assistant Chief Jeff Apser

Appointed to Division March 1, 1992
 Promoted to Assistant Chief January 11, 2012
 A.A.S. Clark State Community College (EMS)
 A.A.S. Clark State Community College (RN)

Staff Duties	Fire Prevention Officer EMS Officer Digital logistics	Training Officer Lead Fire Investigator	
Specialties	Haz Mat Tech EMS Instructor Certified Fire Safety Inspector	CPR Instructor Fire Investigator Child Car Seat Inspector	

Captain James Freeman

Appointed to Division June 3, 1985
 Promoted to Captain July 20, 1991
 B.S. University of Cincinnati
 A.A.S. Sinclair Community College

Staff Duties	NFIRS Program Manager Maintenance Officer	Network Administrator	
Specialties	Fire Investigator	Certified Fire Safety Inspector	

Captain Phillip Kellenberger

Appointed to Division January 3, 1988
 Promoted to Captain June 5, 1995
 A.A.S. Sinclair Community College

Specialties	Fire Investigator Fire Service Instructor	Certified Fire Safety Inspector	
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Captain David Torsell

Appointed to Division January 17, 1977
 Promoted to Captain November 3, 1998

Specialties	Haz Mat Tech Fire Investigator Fire Service Instructor	EMS Instructor CPR Instructor Paramedic Instructor	ACLS Instructor Grain Bin Rescue Instructor Certified Fire Safety Inspector
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FF/PM Dean Edwards	Appointed to Division June 18, 1984 Senior Firefighter, B Unit		
Staff Duties	Haz Mat Program Instructor		
Specialties	Haz Mat Tech Rope Rescue Specialist Fire Service Instructor	River Rescue Specialist Certified Fire Safety Inspector SCUBA Diver	

FF/PM Brett Evilsizor	Appointed to Division November 3, 1986 Senior Firefighter, C Unit		
Specialties	Public Fire Educator	EMS Instructor	Fire Investigator

FF/PM Brian Williams	Appointed to Division September 1, 1988 Senior Firefighter, A Unit		
Specialties	Certified Fire Safety Inspector	Bagpiper	

FF/EMT Chris Massie	Appointed to Division January 1, 1989		
Specialties	Public Fire Educator		

FF/PM John Dale	Appointed to Division June 1, 1991 B.S. Urbana University A.A. Ohio State University		
Specialties	Certified Fire Safety Inspector	Fire Service Instructor	

FF/EMT Ron Lyons	Appointed to Division June 27, 1991		
Specialties	Certified Fire Safety Inspector	Public Fire Educator	

FF/PM Jerry Kirk	Appointed to Division March 1, 1992 Bachelor Mortuary Science A.A.S. Sinclair Community College		
Staff Duties	Vehicle and Equipment Maintenance		
Specialties	Certified Fire Safety Inspector		

FF/PM Barry Wolf	Appointed to Division March 1, 1992		
Staff Duties	EMS Logistics		
Specialties	EMS Instructor PALS Instructor	Certified Fire Safety Inspector Fire Investigator	

FF/PM Chris Jones	Appointed to Division June 1, 1992		
Staff Duties	Hydrant Records	SCBA Maintenance	UFD Historian
Specialties	Haz Mat Tech	City Water System	

FF/PM David Curnutte

Appointed to Division August 21, 1992
 M.S. Grand Canyon University
 B.S. Urbana University
 A.A.S. City Colleges of Chicago

Specialties

Fire Service Instructor

Certified Fire Safety Inspector

FF/PM Chris Logan

Appointed to Division August 9, 1993

Staff Duties

Rescue Coordinator

Confined Space Coordinator

Specialties

Haz Mat Tech
 ACLS Instructor
 GEMS Instructor

Rope Rescue Specialist
 CPR Instructor
 Certified Fire Safety Inspector

Fire Service Instructor
 Child Car Seat Inspector

FF/PM Eric Beverly

Appointed to Division September 25, 1999

Staff Duties

Key Box Coordinator

Vehicle and Equipment Maintenance

Specialties

Certified Fire Safety Inspector
 Fire Safety Educator

Fire Investigator
 Bagpiper

FF/PM Brian Joyce

Appointed to Division May 7, 2002

Specialties

Rope Rescue Operations
 Certified Fire Safety Inspector

Haz Mat Tech
 Assistant Fire Instructor

F/PM Jason Croker

Appointed to Division July 8, 2004
 A.A.B Clark State Community College

Staff Duties

Union President

Specialties

Certified Fire Safety Inspector
 Fire Service Instructor

NFIRS Program Management

FF/PM Chad Countryman

Appointed to Division June 11, 2007

Specialties

Certified Fire Safety Inspector
 Auto Extrication Technician

Haz Mat Tech

FF/PM Tyler Wolf

Appointed to Division July 20, 2011

Specialties

Certified Fire Safety Inspector

FF/PM Ryan Williams

Appointed to Division November 14, 2011

Specialties

Certified Fire Safety Inspector

Haz Mat Tech

FF/PM Adam Puhl

Appointed to Division July 2, 2011
 B.S. The Ohio State University

Specialties

Certified Fire Safety Inspector
 EMS Instructor

Fire Service Instructor

Chaplin Timothy West

Appointed to Division September 2, 2003
D. Min. Fuller Theological Seminary
M.A. University of San Francisco
M. Div. Church Divinity School of the Pacific
B.A. University of California at Santa Barbara

Specialties

Licensed Professional Clinical Counselor – Supervisor Counselor
Licensed Independent Chemical Dependency Counselor – Clinical Supervisor
National Certified Counselor
Clinical Incident Stress Management Training
Training in Mediation, general and divorce mediation
Member of American Counseling Association
Ohio Federation of Fire Chaplains

Fire Prevention Bureau

Prepared by Assistant Chief Jeff Asper

Fire Prevention Bureau

The focus of the Urbana Fire Prevention Bureau is to prevent loss of life and personal property from the effects of unfriendly fire. This goal is accomplished through effective public education, administering fire codes and standards, and conducting regular building inspections. With these specific activities, the fire division will decrease the number of fires and the severity of those that occur.

The Urbana Fire Prevention Bureau consists of the Assistant Fire Chief and three shift Fire Safety Inspectors. The three shift inspectors work 24 hour shifts, function as firefighters/medics, and have the additional duty as Fire Safety Inspectors. The following duties and responsibilities are assigned to the Urbana Fire Prevention Bureau:

- Assistant Chief is responsible for administering and supervising the duties and operations of the Bureau of Fire Prevention.
- Assistant Chief is the "fill in" for the Fire Chief during his absence.
- Conducts Pre-plan building reviews.
- Plans and conducts public safety education.
- Conducts fire origin and cause investigations.
- Enforces Ohio Fire Codes in accordance with Urbana Ordinance 1505.01.
- Conducts regular building inspections.
- Conducts building and business consultations for alarm, sprinkler and fire safety features.
- Division's Safety Officer.
- Division's Training Officer.

Public Education

The Urbana Fire Division had another very successful year educating the public. In addition to the Fire Prevention weeks in October, we provided fire safety education to local church camps, Boy Scouts, and extended care health facilities. In 2012, we established the division's public CPR and First Aid program, which continued to grow in 2013. The fire safety trailer has recently received some much needed repair and will be ready for an active 2014. A new feature in the fire safety trailer, that is ready for use, is the severe weather simulator. This severe weather simulator helps teach school aged children about the hazards and procedures associated with severe weather emergencies.

Fire Prevention Activities October 2013

Tuesday 8th- Lawnview School @ Urbana Local. The pre-school classes were taught with three firefighters, Sparky, the Safety House & Br-1. 102 were in attendance.

Wednesday 9th-The Gingerbread House. The pre-school classes were taught with three firefighters, Sparky, Br-1 & the Safety House. 40 were in attendance. YMCA. The pre-school classes were taught with three firefighters, Sparky, Br-1 & the Safety House. 75 were in attendance.

Thursday 10th- Center for Creative Childcare. The pre-school classes were taught with two firefighters, Sparky & the Safety House. 74 were in attendance.

Friday 11th -East Elementary. The 4th grade classes were taught with three firefighters, the Safety House & Tr-1. 104 were in attendance.

Monday 14th -South Elementary. The 2nd grade classes were taught with three firefighters, the Safety House & Tr-1. 153 were in attendance.

Tuesday 15th_ South Elementary. The 3^d grade classes were taught with three firefighters, the Safety House & Tr-1. 149 were in attendance.

Wednesday 16th – Head Start AM & PM. The pre-school classes were taught with three firefighters, Sparky & the Safety House. 43 were in attendance. Lawnview School AM & PM @ East Elementary. The pre-school classes were taught with three firefighters, Sparky & the Safety House. 22 were in attendance.

Thursday 17th - North Elementary. The K & 1st grade classes were taught with three firefighters, Sparky & the Safety House. 351 were in attendance.

Friday 18th Victory Christian School. The K, 1st, 2nd, 3rd & 4th grade classes were taught with three firefighters, Sparky, the Safety House & Tr-1. 21 were in attendance.

Total Pre K thru 4th grade in attendance = 1224

Inspection Activities

The Fire Prevention Bureau, as required in the Urbana ordinance 1501.01, has the responsibility to enforce the Ohio Fire Code. The fire code has been developed and revised over the last 175 years and exists to protect citizens lives and property against major fires. The fire code establishes basic and fundamental fire safety features, procedures and guidelines. The Ohio Fire Code states “ *provisions of this code are intended to safeguard life and property from fire and explosion and shall apply to all aspects of fire safety at any structures, building, premises, vehicles or other locations within the territorial jurisdiction of the State of Ohio.(OFC 1301:7-7-01 Sec. 101.2.2)* The fire division, with a coordinated effort from the Champaign County Building Regulations and State Inspectors , have performed hundred of inspections, re-inspections and consultations for our local businesses. We have also provided foster home, day care and fire safety home inspections. Our goal is to inspect every business, in our jurisdiction, at least yearly. The Fire Prevention Bureau wishes to partner with each local business in order to efficiently and economically correct fire code violations, and accomplish the goal of controlling preventable fires.

Inspection Activities:

Year:	2013	2012	2011	2010	2009	2008
# of Inspection Activity	304	507	246	228	395	397

Fire Investigations

In the unfortunate event that a significant fire loss does occur, the chief of a fire division, according to ORC 3737.14, has the duty to investigate the cause. The Fire Prevention Bureau has the delegated authority to determine the origin and cause of all major fire losses. The fire division’s investigators have worked closely with the local law enforcement officers and State Fire Marshal, which resulted in several arson convictions during 2013.

Property Saved vs. Fire Loss 2013

Description	2013	2012	2011
City Property Saved	\$3,065,390	\$1,333,249	\$1,346,500
City Property Loss	\$136,870	\$398,826	\$476,800
County Property Saved	\$761,000	\$160,530	\$60,400
County Property Loss	\$51,951	\$58,320	\$55,600

Fire Data

Prepared by Captain James Freeman

NFIRS Program

The Urbana Fire Division collects data on all fire and EMS responses. The Fire Division utilizes Firehouse Software™ Cloud Version 7.15.32 for data collection. The Fire Division participates in NFIRS (National Fire Incident Reporting System.) The Division also participates in the Ohio EMS Incident Reporting System. The Firehouse Software™ Version 7.12.17 system conforms to both the NFIRS 5.0 standard and the current Ohio EMS Data Center standard.

NFIRS Data Collection Process

The U.S. Fire Administration and the National Fire Information Council (NFIC) jointly manage NFIRS. NFIC is voluntary users' group who donates their time to maintain the NFIRS system. NFIC members are representatives of state and metropolitan agencies that are responsible for fire data collection and analysis.

NFIRS is comprised of 14,000 reporting fire departments. After responding to an incident, fire department personnel complete the appropriate NFIRS reports. These reports detail the nature of the call; the action firefighters took in response to the call, and the result. The data includes the number of civilian or firefighter casualties and estimate of property loss. The reports completed by a particular fire department may be state-specific; however, they contain a core of information common to every reporting system. The uniform definitions used in coding these fields make aggregation of national data possible.

The Urbana Fire Division submits completed NFIRS reports to the Division of State Fire Marshal. The data is transmitted electronically on a monthly basis. The Fire Marshal combines our information with data from other fire departments into a statewide database and then submits the data to the National Fire Data Center at the U.S. Fire Administration.

EMS Data Collection Process

The Ohio EMS Board established an emergency medical services incident reporting system for the collection of information regarding the delivery of emergency medical services in Ohio and the frequency at which the services are provided. All emergency medical service organizations must submit to the board all information that the board determines is necessary for maintaining the incident reporting system. The Fire Division uploads EMS incident data to the Ohio EMS Data Center every three days.

Breakdown of Fires and Other Incidents 2013

A. FIRES IN STRUCTURES BY FIXED PROPERTY USE	Number of Fires	Civilian Deaths	Civilian Injuries	Property Damage
1. Private Dwellings	15	0	2	\$55,720
2. Apartments	4	0	0	28,500
3. Hotels and Motels	1	0	0	0
4. All Other Residential	1	0	0	0
5. TOTAL RESIDENTIAL FIRES	21	0	2	\$84,220
6. Public Assembly	1	0	0	200
7. Schools and Colleges	0	0	0	0
8. Health Care/Penal	1	0	0	1,500
9. Stores and Offices	3	0	0	6,500
10. Industry/Utility	5	0	0	2,000
11. Storage in Structures	3	0	0	3,600
12. Other Structures	0	0	0	0
13. TOTAL STRUCTURE FIRES	34	0	2	\$98,020
B. OTHER FIRES AND INCIDENTS				
14a. Highway Vehicles	5	0	0	\$82,451
14b. Other Vehicles	1	0	0	7,000
15. Non-Structure/Non-Vehicle	4	0	0	1,000
16. Brush/Grass/Wildland	4	0	0	
17. Rubbish/Dumpsters	16	0	0	
18. All Other Fires	1	0	0	300
19. TOTAL FOR FIRES	65	0	2	\$188,771
20. Rescue/Emergency Medical	1,892			
21. False Alarms	70			
22. Mutual Aid	37			
23a. Hazmat Responses	34			
23b. Other Hazardous Responses	43			
24. All Other Responses	179			
25. TOTAL FOR ALL INCIDENTS	2,320			

Note: Property loss totals include contents loss

Breakdown of False Alarm Responses 2013

TYPE OF RESPONSE	Number of Incidents
Malicious, Mischievous False Call	2
System Malfunction	28
Unintentional	37
Other False Alarms	3
TOTAL	70

Leading Fire Causes 1996-2013

The fire cause is the condition or situation that allows a heat source and fuel source to combine and start a fire. This table lists the reported fire causes for the past 19 years.

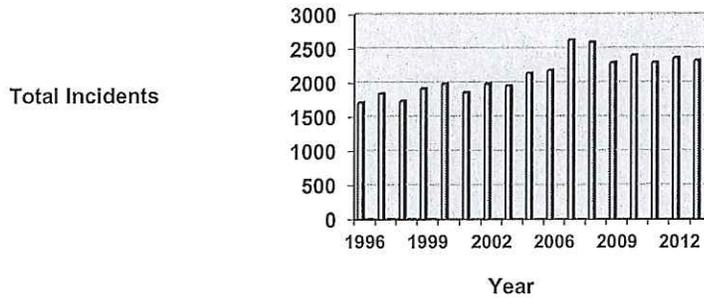
CODE	DESCRIPTION	Percent of All Fires	Total Loss	Percent of Losses
0	Cause, Other	3.89%	\$158,608	1.58%
1	Intentional	7.70%	\$653,194	6.49%
2	Unintentional	44.60%	\$3,390,750	33.68%
3	Failure of Equipment or Heat Source	24.16%	\$1,381,648	13.72%
4	Act of Nature	2.43%	\$56,951	0.57%
5	Active Investigation	4.94%	\$3,026,618	30.06%
U	Undetermined After Investigation	12.24%	\$1,401,237	13.92%

Areas of Fire Origin Summary 1996-2013

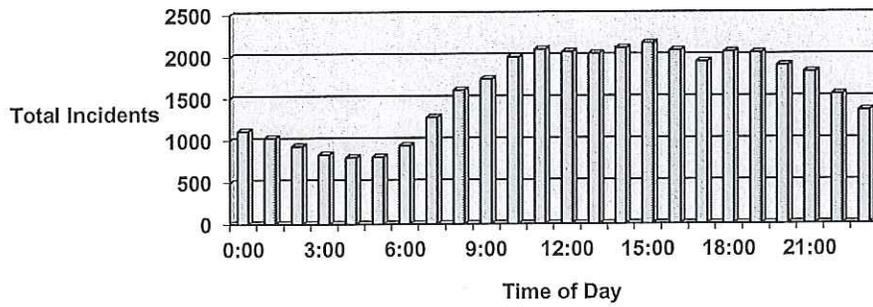
The area of origin describes the primary use of the area where a fire originated in a property. This table indicates the trends over the last 19 years. The top 10 dollar losses are included.

Code	Description	Percent of responses	Dollar Loss
21	Bedroom <5 persons; included are jails	3.83%	\$1,604,023
UU	Undetermined	3.59%	1,444,248
41	Storage room, area, tank or bin	1.17%	1,287,800
24	Cooking area, kitchen	9.78%	926,010
61	Machinery room or area; elevator	0.39%	604,600
14	Common room, den, family room, living room, lounge	1.56%	496,471
74	Attic: vacant, crawl space above top story, cupola	2.11%	423,037
71	Substructure area or space, crawl space	2.03%	391,660
47	Vehicle storage area, garage, carport	1.48%	386,600
83	Vehicle engine area, running gear, wheel area	16.04%	358,846

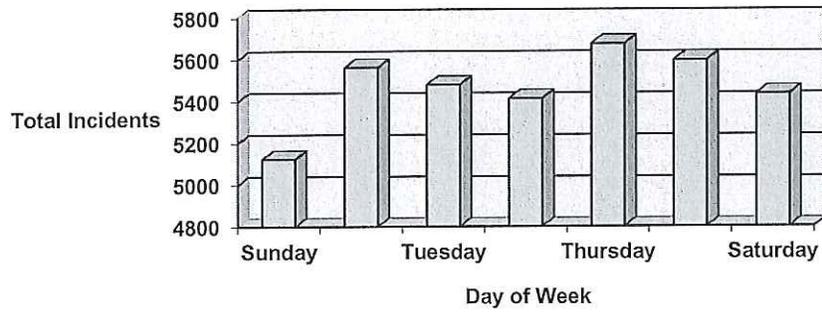
Total Incidents 1996-2013



Alarm Time Analysis 1996-2013



Incidents by Day of Week 1996-2013



Apparatus and Maintenance

Prepared by Chief Mark E. Keller and Captain James Freeman

MEDIC 1



Owned by: City Of Urbana

Make: Horton International

Year: 2007 **Age:** 6 Years

Type: Ambulance

Mileage: 62,090

Condition: Good

Maintenance: Cost - \$10,736 In-house Hours – 5

Primary Use:

Primary vehicle that responds on Emergency Medical Incident including motor vehicle crashes

Comments:

This vehicle still experiences an unusual amount of mechanical problems in 2013 which include total brake system repair and fuel injectors replaced.

MEDIC 2



Owned by: City Of Urbana

Make: Horton International

Year: 2001 **Age:** 12 Years

Type: Ambulance

Mileage: 78,938

Condition: Good

Maintenance: Cost - \$1,118 In-house Hours – 9

Primary Use:

Secondary vehicle that responds on Emergency Medical Incident including motor vehicle crashes

Comments:

This vehicle was purchased used in 2009 to update our ambulance fleet. The previous ambulance was purchased in 1998. The only difficulty with this unit is the fact that it has air brakes which grab very quickly when applied. This can be difficult on the patient and personnel in the back when transporting.

MEDIC 3



Owned by: City Of Urbana

Make: Horton International

Year: 1998 **Age:** 15 Years

Type: Ambulance

Mileage: 96,789

Condition: Fair

Maintenance: Cost - \$150 In-house Hours – 22

Primary Use:

Third vehicle that responds on Emergency Medical Incident including motor vehicle crashes

Comments:

This vehicle has had some mechanical issues over the past several years and is showing signs of deteriorating. The vehicle has been very dependable but should only be used as a reserve unit or third out the door.

ENGINE 1



Owned by: City Of Urbana

Make: Pierce

Year: 2004 **Age:** 9 Years

Type: Engine with A 1500 GPM pump; Carries 750 Gallons of water

Mileage: 33,076

Condition: Excellent

Maintenance: Cost - \$1,544 In-house Hours – 11

Primary Use:

Primary pumping fire apparatus that responds to all fires and auto accidents in the City of Urbana

Comments:

Engine 1 continues to be a very good vehicle with very few minor mechanical issues.

ENGINE 2



Owned by: City Of Urbana

Make: Grumman/International

Year: 1984 **Age:** 30 Years

Type: Engine with A 1000 GPM pump; Carries 600 Gallons of water

Mileage: 43,275

Condition: Poor

Maintenance: Cost - \$0 In-house Hours – 9

Primary Use:

Reserve fire apparatus and defensive firefighting only

Comments:

Engine 2 has never been used as a primary fire apparatus. This vehicle has barely passed pump testing for the past several years. Finley Fire, which completes pump testing, has recommended that this vehicle only be used for exterior firefighting operations. The vehicle is not reliable for life safety of citizens or firefighting personnel and is at the end of its life span.

TRUCK 1



Owned by: City Of Urbana

Make: Pierce

Year: 1997 **Age:** 16 Years

Type: Engine with A 1750 GPM pump; Carries 200 Gallons of water
100 foot aerial ladder and standpipe

Mileage: 22,593

Condition: Excellent

Maintenance: Cost - \$76 In-house Hours – 13

Primary Use:

Responds with Engine 1 on possible commercial and some residential fires

Comments:

Truck 1 has been very beneficial on several downtown, residential and commercial fires and has been used for silo rescues and recoveries. This vehicle was used on the silo fire at Heritage several years ago/. The truck was instrumental in the operations to extinguish the fire. Mechanically the vehicle is very sound and has had only minor issues to repair.

ENGINE 4



Owned by: Urbana Township

Make: Pierce/International

Year: 1997 **Age:** 16 Years

Type: Engine with A 1250 GPM pump; Carries 1000 Gallons of water

Mileage: 56,882

Condition: Good

Maintenance: Cost - \$3,246 In-house Hours – 8

Primary Use:

Primary pumping fire apparatus that responds to all fires and auto accidents in Urbana Township, Salem Township, Union Township and mutual aid fires in rural areas.

Comments:

Engine 4 has been a good vehicle for rural firefighting capabilities. This vehicle is close to reaching its 20 year active service life. Typically, fire apparatus are good for 20 years of active service and can then be put into reserve status for the next 10 years. This vehicle has the possibility of being refurbished which could extend its active life for another 5-10 years.

TANKER 1



Owned by: Urbana Township

Make: Pierce/International

Year: 2009 **Age:** 4 Years

Type: Engine with A 1250 GPM pump; Carries 2100 Gallons of water

Mileage: 4,003

Condition: Excellent

Maintenance: Cost - \$1,118 In-house Hours – 1.5

Primary Use:

Tanker 1 responds primarily into rural areas and hauls water to the scene of fires

Comments:

Tanker 1 has been a very good addition to the fleet. The previous tanker had a small 250 GPM pump and was not set up to also function as an engine. This vehicle has hose loaded on it to allow it to be used as a pumping apparatus.

BRUSH 1



Owned by: Urbana Township

Make: Ford F-550 Super Duty 4x4

Year: 2004 **Age:** 9 Years

Type: Brush Truck with 250 GPM pump; Carries 400 Gallons of water

Mileage: 6,357

Condition: Excellent

Maintenance: Cost - \$93 In-house Hours – 5

Primary Use:

Brush 1 responds on all grass fires, brush fires, field fires or any small fire wither off road or areas with very limited access.

Comments:

Brush 1 is designed to go off road to fight fires. Once the 400 Gallons of water is used, a tanker or engine is used to re-supply water for extended use.

CHIEF 1 VEHICLE (C1)



Owned by: City of Urbana

Make: Ford Police Interceptor Utility

Year: 2013 **Age:** 1 Year

Type: Staff Vehicle

Mileage: 7,969

Condition: Excellent

Maintenance: Cost - \$29 In-house Hours – 10

Primary Use:

Command vehicle is for all major incidents such as fires, rescues and motor vehicle accidents.

Comments:

This vehicle is equipped as a command vehicle and has the capability to be a command post for large fires. All future staff vehicles will have the same exterior set-up.

CHIEF 2 VEHICLE (C2)



Owned by: City of Urbana

Make: Ford Explorer

Year: 2005 **Age:** 8 Years

Type: Staff Vehicle

Mileage: 93,543

Condition: Good

Maintenance: Cost - \$647 In-house Hours – 8.5

Primary Use:

Command vehicle is for all major incidents such as fires, rescues and motor vehicle accidents. This vehicle is also used for fire investigations and inspections.

Comments:

This vehicle is equipped to conduct fire investigations with special tools.

Utility 1



Owned by: City of Urbana

Make: Ford F-350

Year: 2001 **Age:** 12 Years

Type: Utility Vehicle

Mileage: 87,003

Condition: Fair

Maintenance: Cost - \$44 In-house Hours – 23

Primary Use:

This vehicle is used to pick up parts or groceries. Also used to haul equipment and personnel to and from incident scenes.

Comments:

This is a very handy vehicle to have to save wear and tear on the fire apparatus. This vehicle is also used by the Police Division on occasion to retrieve bikes or other evidence.

SQUAD 4



Owned by: Box 13
Make: Horton International
Year: 1991 **Age:** 22 Years
Type: Rehab/Air Vehicle
Mileage: 70,378
Condition: Fair
Maintenance: Cost - \$0 In-house Hours -0
Primary Use:

Used as a rehab vehicle and to re-supply the breathing air cylinders.

Comments:

This vehicle responds to major incidents and usually is staffed by Box 13 members to provide a place for firefighters to catch their breath. Squad 4 is also equipped with a breathing air cascade system and a fill station to fill air cylinders when firefighters come out of a building that is on fire.

HAZ MAT 1



Owned by: City of Urbana

Make: International

Year: 1981 **Age:** 32 Years

Type: Haz Mat Response Vehicle

Mileage: 151,260

Condition: Poor

Maintenance: Cost - \$43 In-house Hours – 1.5

Primary Use:

Haz Mat Response for county haz mat team

Comments:

In 2012, the county fire chiefs took control of the county haz mat team. One of the goals is to acquire trailers to put the haz mat equipment and supplies into for response. This vehicle continues to age and is used very little.

FIRE SAFETY TRAILER



Owned by: City of Urbana

Make: Surrey

Year: 1998 **Age:** 15 Years

Type: Safety Education Trailer

Mileage: N/A

Condition: Excellent

Maintenance: Cost - \$1334 In-house Hours –

Primary Use:

Fire and storm weather education

Comments:

The Fire Safety Trailer has been an excellent tool to teach both children and adults about fire safety. Over its lifetime so far there have 10s of thousands of participants go through programs. The trailer was refurbished by Surrey in 2013 to repair the storm weather program and the trailer back to original condition.

FIRE SAFETY TRAILER



Owned by: City of Urbana

Make: Surrey

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Type: Safety Education Trailer

Mileage: N/A

Condition: Excellent

Maintenance: Cost - \$1334 In-house Hours –

Primary Use:

Fire and storm weather education

Comments:

The Fire Safety Trailer has been an excellent tool to teach both children and adults about fire safety. Over its lifetime so far there have 10s of thousands of participants go through programs. The trailer was refurbished by Surrey in 2013 to repair the storm weather program and the trailer back to original condition.