



The City of

Reading

Fire Department

2011 Annual Operations Report



Prepared by Paul M. Gallo
Lieutenant

Source: Firehouse Software RMS



Each year the Reading Fire Department prepares an annual report that reflects the department's activities and accomplishments for the previous year. This document provides summary information about the work our members perform as they labor to protect the people who live, work, and recreate within the City of Reading and the Village of Arlington Heights.

We are committed to provide the best possible proactive approach to fire safety, prevention and education. We will pursue excellence while remaining efficient and cost effective. I am confident that a review of this report will confirm our dedication to this goal. May we continue to work together to make our communities a safe and productive environment for all concerned. We assure every citizen that our mission will be accomplished in a fashion which reflects this Department's dedication to outstanding customer and community service.

I wish to express my appreciation and thanks to each and every member of the department for the splendid dedication and performance of their duties. A special thanks to Lieutenant Paul Gallo who prepared this summary of the department's activities for 2011.

My sincere gratitude to Mayor Bemmes, the administrative staff, and the members of City Council for their continued cooperation and help. I also wish to express my appreciation to Mayor Surber and the entire Village of Arlington Heights, as we approach the fourth year of contracting our services to their community.

Sincerely,

Kevin D. Kaiser

Fire Chief

Contents

Vision, Mission, and Values.....	4
Budget.....	5
Incidents by Year.....	7
Incident Summary by Major Category Type.....	8
Incident Response Zone.....	9
Fires and Fire Losses by Major Property Use.....	10
Large Loss Fires.....	10
Area of Origin and Cause of Ignition.....	11
Civilian and Firefighter Injuries.....	11
Provider Impression.....	12
Transport Destination.....	12
Calls by Month.....	13
Response Times.....	14
Overlapping Incidents.....	14
Incidents by Day of Week and by Time.....	15
Training.....	16
Fire Prevention and Public Education.....	17
Accomplishments.....	18
Awards and Honors.....	18
Staff.....	19

Vision

To reduce death, injury, and property loss from fire and to reduce morbidity and mortality from sudden illness or injury.

Mission

The mission of the Reading Fire Department is to protect life, property, and the environment.

We will accomplish this with professional, knowledgeable, and dedicated personnel, using the allocated resources efficiently.

We pledge to deliver the highest quality of emergency medical services, fire suppression, public education, and fire prevention to meet the needs of our community.

Values

Honor

Pride

Teamwork

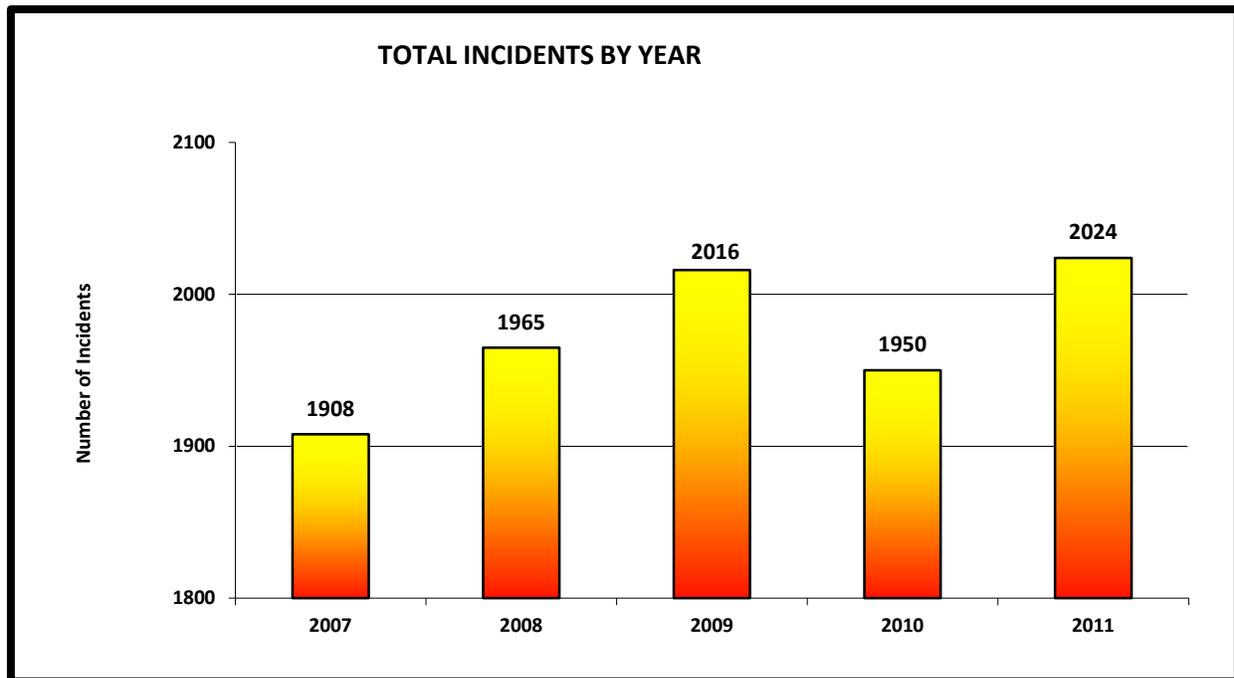
READING FIRE DEPARTMENT**BUDGET COMPARABLES - ANNUAL EXPENSES**

ACCOUNT	2005	2006	2007	2008	2009	2010	2011	
	EXPENSES	EXPENSES	EXPENSES	EXPENSES	EXPENSES	EXPENSES	EXPENSES	
101.100.5624.00	FF Salaries (FT)	\$1,002,767.61	\$1,055,188.20	\$1,095,066.72	\$1,170,256.50	\$1,197,573.78	\$1,163,722.34	\$1,154,674.45
101.100.5680.00	Sick and Vacation	\$ 8,300.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	FIRE SALARIES (FT)	\$1,011,067.61	\$1,055,188.20	\$1,095,066.72	\$1,170,256.50	\$1,197,573.78	\$1,163,722.34	\$1,154,674.45
101.100.5700.00	FRINGES	\$ 485,034.62	\$ 468,706.56	\$ 485,415.05	\$ 555,950.48	\$ 572,587.88	\$ 495,803.03	\$ 558,934.07
101.100.5805.04	Computer	\$ 3,650.37	\$ 6,211.02	\$ 4,696.77	\$ 2,281.75	\$ 4,181.31	\$ 4,820.53	\$ 5,256.03
101.100.5805.06	Vehicle Maintenance	\$ 9,517.27	\$ 8,583.43	\$ 11,874.12	\$ 12,355.72	\$ 8,432.01	\$ 11,864.00	\$ 10,315.93
101.100.5805.09	Equipment/Tools	\$ 11,675.00	\$ 8,039.08	\$ 10,487.83	\$ 6,722.22	\$ 6,907.60	\$ 13,171.75	\$ 9,593.68
101.100.5805.10	Safety Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.100.5805.12	Medical	\$ -	\$ -	\$ 29.98	\$ -	\$ -	\$ -	\$ -
101.100.5805.13	Other Supplies	\$ 3,677.10	\$ 3,431.51	\$ 4,822.12	\$ 5,162.98	\$ 3,487.78	\$ 3,707.36	\$ 5,915.09
101.100.5805.62	Gasoline	\$ 2,954.67	\$ 2,758.94	\$ 2,965.11	\$ 4,178.62	\$ 2,536.87	\$ 2,719.74	\$ 4,032.73
101.100.5805.66	Diesel Fuel	\$ 4,540.34	\$ 6,716.97	\$ 6,619.91	\$ 10,668.10	\$ 7,386.12	\$ 5,496.49	\$ 10,146.73
101.100.5810.08	Maintenance Contracts	\$ 3,325.50	\$ 3,199.75	\$ -	\$ -	\$ -	\$ -	\$ -
101.100.5810.12	Consultants	\$ 5,128.50	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.100.5810.13	Purchases/Services Other	\$ 3,119.79	\$ 8,119.81	\$ 6,062.77	\$ 10,625.46	\$ 7,718.13	\$ 14,307.41	\$ 8,277.52
101.100.5810.15	Physicals	\$ 1,300.00	\$ 3,333.00	\$ 4,351.00	\$ 1,288.60	\$ 2,250.00	\$ 8,082.00	\$ 9,800.00
101.100.5810.16	Lease	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.100.5820.00	Training/Education	\$ 4,564.53	\$ 5,845.97	\$ 7,018.65	\$ 5,396.85	\$ 6,064.75	\$ 5,140.73	\$ 4,810.47
	Fire Prevention	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.100.5825.00	Milage/Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,161.74
101.100.5830.00	Dues/Subscriptions	\$ 1,203.95	\$ 1,789.95	\$ 1,251.45	\$ 1,586.45	\$ 1,282.45	\$ 1,351.50	\$ 1,746.00
101.100.5835.00	Postage	\$ 888.84	\$ 925.65	\$ 526.26	\$ 485.80	\$ 663.90	\$ 365.82	\$ 284.55
101.100.5840.00	Printing	\$ 468.30	\$ 562.46	\$ 526.26	\$ 660.98	\$ 1,165.71	\$ 102.59	\$ 152.90
101.100.5845.00	Communication	\$ 3,240.14	\$ 6,025.13	\$ 6,693.76	\$ 6,451.45	\$ 3,246.83	\$ 3,672.45	\$ 4,437.51
101.100.5870.00	Insurance/Taxes	\$ 11,600.00	\$ 10,688.00	\$ 5,025.00	\$ 4,014.00	\$ 4,950.50	\$ 4,021.15	\$ 6,345.04
101.100.5885.00	Telephone	\$ 4,837.92	\$ 4,807.77	\$ 4,670.47	\$ 3,698.95	\$ 3,429.81	\$ 2,291.52	\$ 3,001.39
	FIRE OPERATIONS	\$ 75,692.22	\$ 81,038.44	\$ 77,621.46	\$ 75,577.93	\$ 63,703.77	\$ 81,115.04	\$ 85,277.31
101.100.5906.00	HILLTOP STATION	\$ 7,583.58	\$ 6,625.79	\$ 6,982.35	\$ 7,061.98	\$ 7,703.87	\$ 7,462.77	\$ 9,202.54

2011 Budget

ACCOUNT		2005	2006	2007	2008	2009	2010	2011
		EXPENSES						
101.103.5626.00	POC Salaries (FIRE)	\$ 42,192.97	\$ 37,650.61	\$ 105,619.25	\$ 216,753.89	\$ 243,701.19	\$ 218,105.25	\$ 218,600.58
101.103.5800.00	POC Fringes	\$ 6,331.67	\$ 15,355.03	\$ 23,285.09	\$ 68,796.24	\$ 86,300.37	\$ 120,450.83	\$ 61,338.30
	POC (FIRE)	\$ 48,524.64	\$ 53,005.64	\$ 128,904.34	\$ 285,550.13	\$ 330,001.56	\$ 338,556.08	\$ 279,938.88
101.103.5800.00	POC (FIRE) OPERATIONS	\$ 4,801.15	\$ 4,617.27	\$ 6,112.08	\$ 5,716.64	\$ 5,758.68	\$ 7,870.33	\$ 7,749.17
101.105.5628.00	EMS Salaries (POC)	\$ 40,614.43	\$ 54,020.28	\$ 29,070.11	\$ -	\$ -	\$ -	\$ -
101.105.5700.00	EMS Benefits (POC)	\$ 3,497.41	\$ 11,033.50	\$ 4,635.38	\$ -	\$ -	\$ -	\$ -
	POC EMS	\$ 44,111.84	\$ 65,053.78	\$ 33,705.49	\$ -	\$ -	\$ -	\$ -
101.105.5805.06	EMS Vehicle Maintenance	\$ 1,493.89	\$ 1,579.14	\$ 1,904.18	\$ 3,439.68	\$ 4,793.93	\$ 2,972.85	\$ 4,623.86
101.105.5805.09	Equipment/Tools	\$ 2,709.98	\$ 666.80	\$ 5,593.13	\$ 2,110.47	\$ 1,227.41	\$ 182.70	\$ 503.42
101.105.5805.10	Safety Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.105.5805.12	Medical Supplies	\$ 8,905.55	\$ 8,050.24	\$ 9,383.15	\$ 7,216.73	\$ 7,753.87	\$ 8,655.14	\$ 8,506.85
101.105.5805.13	Other Supplies	\$ 51.37	\$ 46.31	\$ 31.92	\$ 412.67	\$ 15.60	\$ 113.19	\$ -
101.105.5805.66	Diesel Fuel	\$ 2,728.45	\$ 4,964.68	\$ 5,012.75	\$ 7,845.95	\$ 5,459.30	\$ 4,062.64	\$ 7,499.74
101.105.5810.08	Maintenance Contracts	\$ 3,934.80	\$ 4,342.00	\$ 4,350.50	\$ 4,859.00	\$ 4,859.00	\$ 3,257.00	\$ 4,071.25
101.105.5810.13	Purchases/Service Other	\$ 4,380.00	\$ 5,612.00	\$ 4,330.00	\$ 4,470.00	\$ 4,332.60	\$ 4,620.00	\$ 4,645.50
101.105.5820.00	Training/Education	\$ 1,045.00	\$ 1,155.00	\$ 4,800.00	\$ 1,281.90	\$ 2,506.94	\$ 861.31	\$ 539.22
	Public Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.105.5830.00	Dues/Subscriptions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
101.105.5835.00	Postage	\$ -	\$ -	\$ 37.22	\$ -	\$ -	\$ -	\$ 26.91
101.105.5840.00	Printing	\$ 500.00	\$ 1,399.12	\$ 1,048.21	\$ 1,540.66	\$ 226.55	\$ 952.80	\$ -
101.105.5845.00	Communication	\$ 799.39	\$ 293.38	\$ 322.46	\$ 4,798.01	\$ 3,552.88	\$ 2,827.08	\$ 3,163.13
101.105.5870.00	Insurance/Taxes	\$ 7,566.00	\$ 6,970.00	\$ -	\$ -	\$ -	\$ -	\$ -
	EMS Operations	\$ 34,114.43	\$ 35,078.67	\$ 36,813.52	\$ 37,975.07	\$ 34,728.08	\$ 28,504.71	\$ 33,579.88
	TOTAL FIRE (100)	\$1,579,378.03	\$1,611,558.99	\$1,665,085.58	\$1,808,846.89	\$1,841,569.30	\$1,748,103.18	\$1,808,088.37
	TOTAL POC (103)	\$ 53,325.79	\$ 57,622.91	\$ 135,016.42	\$ 291,266.77	\$ 335,760.24	\$ 346,426.40	\$ 287,688.05
	TOTAL EMS (105)	\$ 78,226.27	\$ 100,132.45	\$ 70,519.01	\$ 37,975.07	\$ 34,728.08	\$ 28,504.71	\$ 33,579.88
	TOTAL FD BUDGET	\$1,710,930.09	\$1,769,314.35	\$1,870,621.01	\$2,138,088.73	\$2,212,057.62	\$2,123,034.29	\$2,129,356.30

Incidents by Year



Call volume had steadily increased since 2006 but decreased 3.2% in 2010. However, an **increase of 3.8%** was seen again in 2011.

The average number of calls per day in 2011 was **5.5**. The busiest day was September 11th with 13 calls for service.

2011 had the highest number of calls in history.



Car into a building on E. Galbraith Rd.

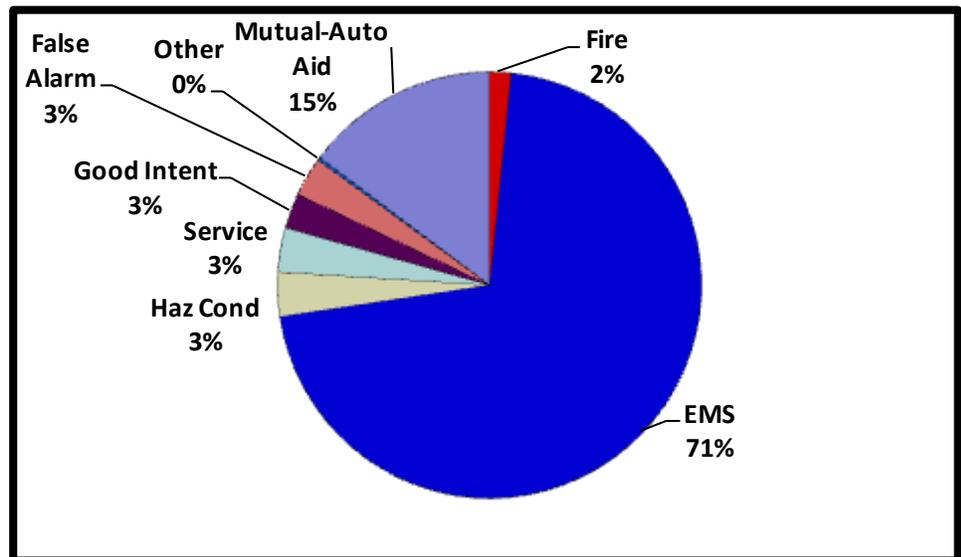
Incident Summary by Major Category Type

Major Category Type	2010		2011	
	#	%	#	%
Fire (building/structure, cooking, trash/rubbish, vegetation, rail/water/passenger vehicle)	52	2.7%	33	1.6%
EMS/Rescue (medical assist, extrication, search, high angle, confined space, trench, water)	1408	72.2%	1437	71.0%
Hazardous Condition (leak, spill, power line, electrical)	63	3.2%	68	3.4%
Service Call (water, smoke, animal problem, public service, assist agency, severe weather)	71	3.6%	68	3.4%
Good Intent (cancelled en route, steam, gas, smoke-odor scare, no incident found)	44	2.3%	54	2.7%
False Call (smoke, heat, CO detector, alarm, sprinkler)	51	2.6%	60	3.0%
Other	6	0.3%	5	0.2%
Mutual-Auto Aid	255	13.1%	299	14.8%
Total	1950	100%	2024	100%

Note – numbers have been rounded to the nearest 1/10th of a percent.

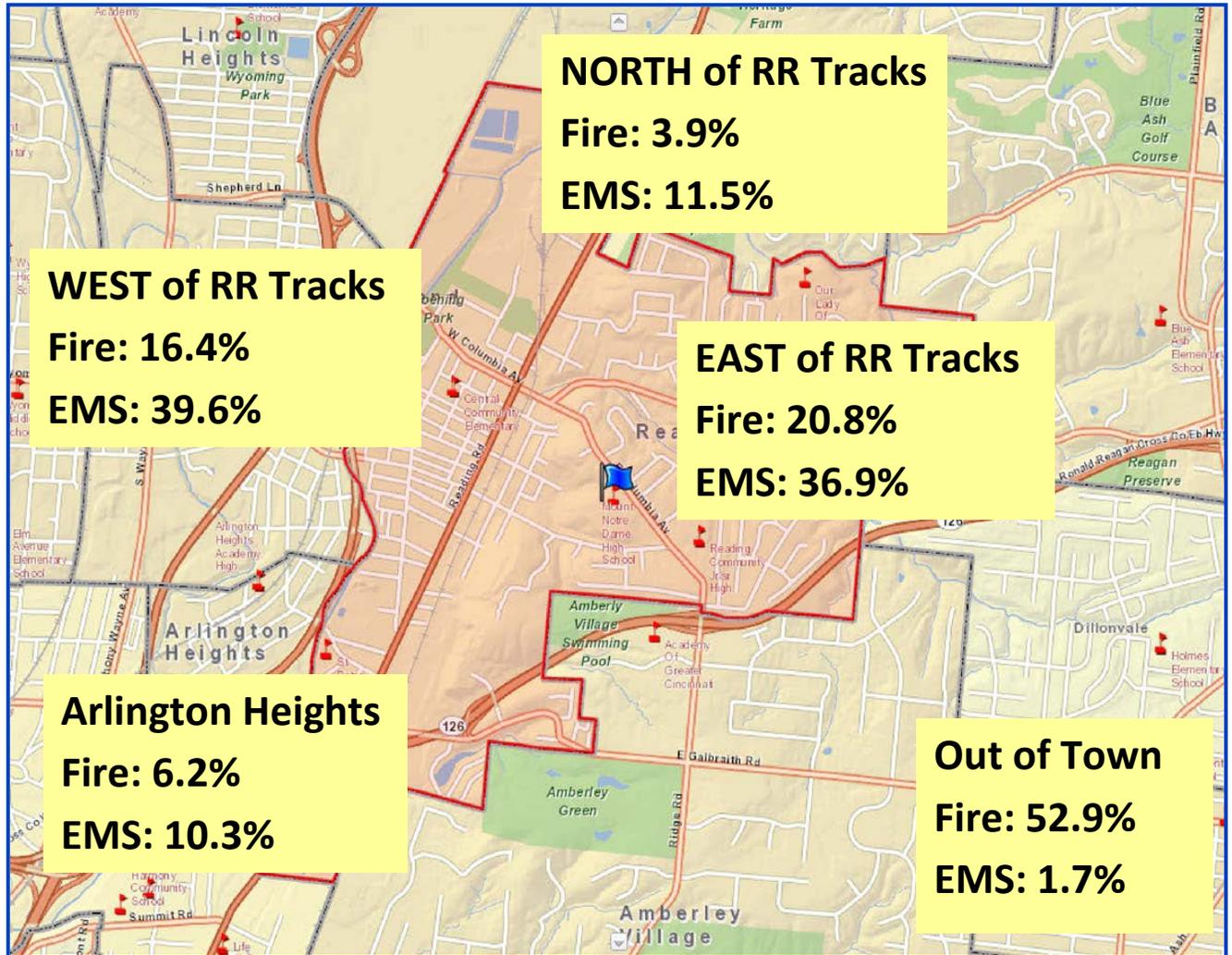
In 2011, the largest number of incidents occurred in the EMS category (71%) followed by mutual-auto aid (14.8%) and hazardous conditions and service calls (3.4%).

Fire incidents accounted for 1.6% of total incidents. This is down from 2.7% in 2010.



From left to right: House fire in Evendale, apartment fire on Reading Rd, auto accident on Sanborn Dr.

Incident Response Zone



House fire on North Kathwood Circle.



Ammonia leak in Evendale.

Fires and Fire Losses by Major Property Use

Property Use	2010			2011		
	# of Fires	Estimated \$ Loss	% of \$ Loss	# of Fires	Estimated \$ Loss	% of \$ Loss
Residential (single/multi, mobile, apartment)	24	390,550	88.8%	11	206,552	88.9%
Non Residential (school, church, business, restaurant, storage)	2	1,050	0.3%	4	1,620	0.7%
Vehicles (auto, truck, bus, construction)	7	48,015	10.9%	7	24,300	10.5%
Outside (brush, grass, rubbish, outside fires with value)	10	0	0%	9	0	0%
Other	1	0	0%	1	0	0%
Total	44	439,615	100%	32	232,472	100%

In 2011, structure fires accounted for 46.9% of total fires compared to 59.1% in 2010.

Of the 15 structure fires in 2011, 73% were residential.

Vehicle fires were 22% of total fires while outside/other fires accounted for 31% of total fires.

In 2011 the estimated dollar loss due to fire was \$232,472 compared to \$439,615 in 2010, representing a decrease of 47%.

Residential fires accounted for 89% of the total estimated loss.



Apartment fire on Reading Rd.

Large Loss Fires

Address	Dollar Loss	Shift	Alarms
2573 North Kathwood Cr.	\$105,000	3	1
9334 Reading Rd.	\$45,000	1	1
8424 Reading Rd.	\$40,000	1	1
655 Jefferson Ave.	\$12,500	1	1



Apartment fire on Reading Rd.

Structure Fires

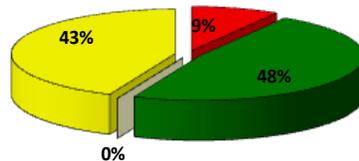
Area of Origin and Cause of Ignition

The highest percent of structure fires originated in functional areas (43%) followed by transportation areas (30%) and other areas (26%).

For structure fires originating in functional areas, 17% were in a cooking area, followed by 13% in a bedroom area, and 9% in a bathroom.

Unintentional fires was the greatest cause of ignition for structure fires at 48%.

Summary of Fire Causes

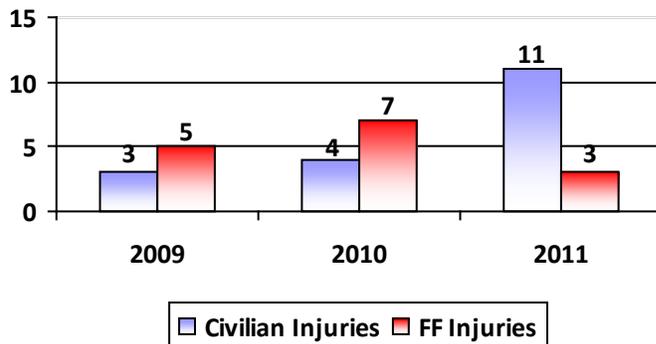


- Intentional
- Unintentional
- Failure of equipment or heat source
- Cause undetermined after investigation

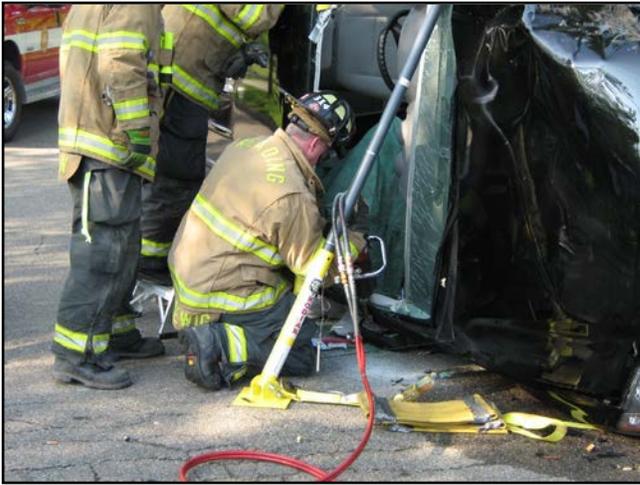
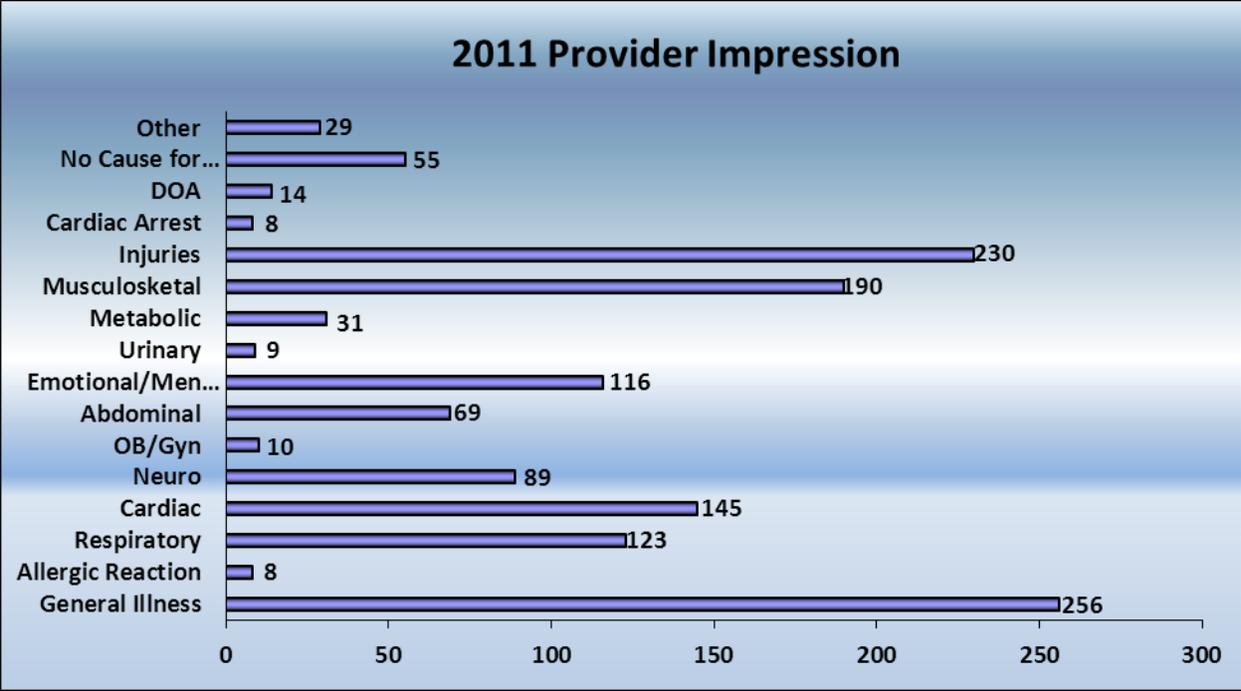


Apartment fire on Reading Rd.

Civilian and Firefighter Injuries

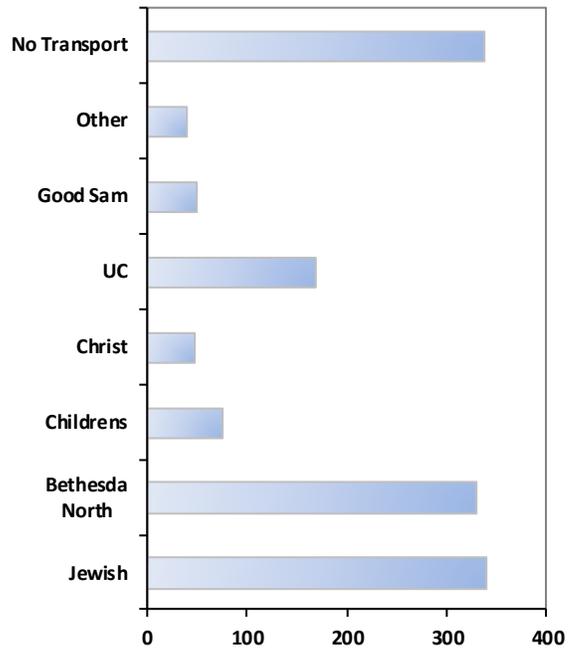


Commercial building fire in Evendale.

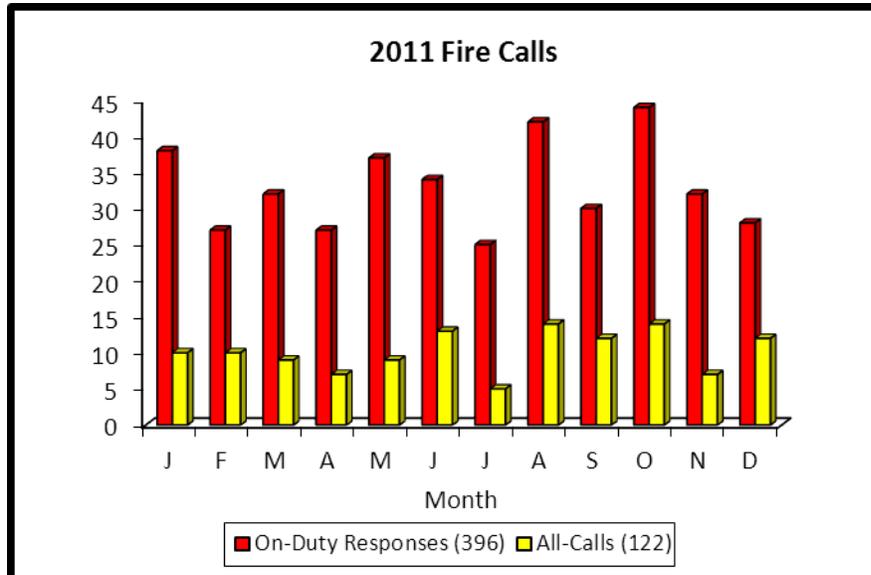


Auto accident with injuries – Sanborn Dr.

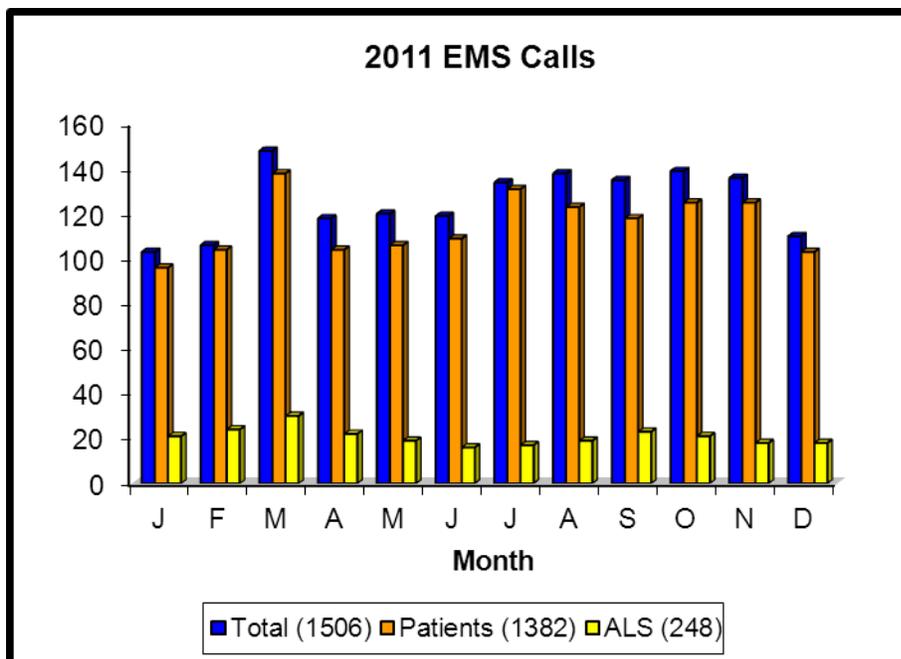
Transport Destinations



Calls by Month

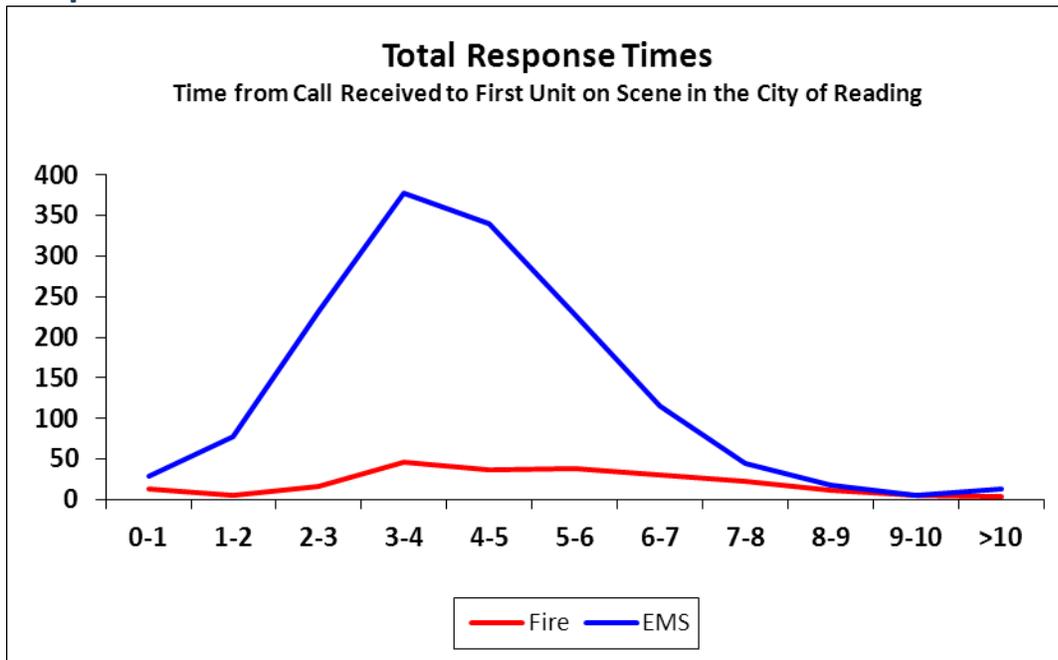


In 2011, the highest number of fire incidents occurred in October (11.2%) followed by August (10.8%) and January (9.3%).



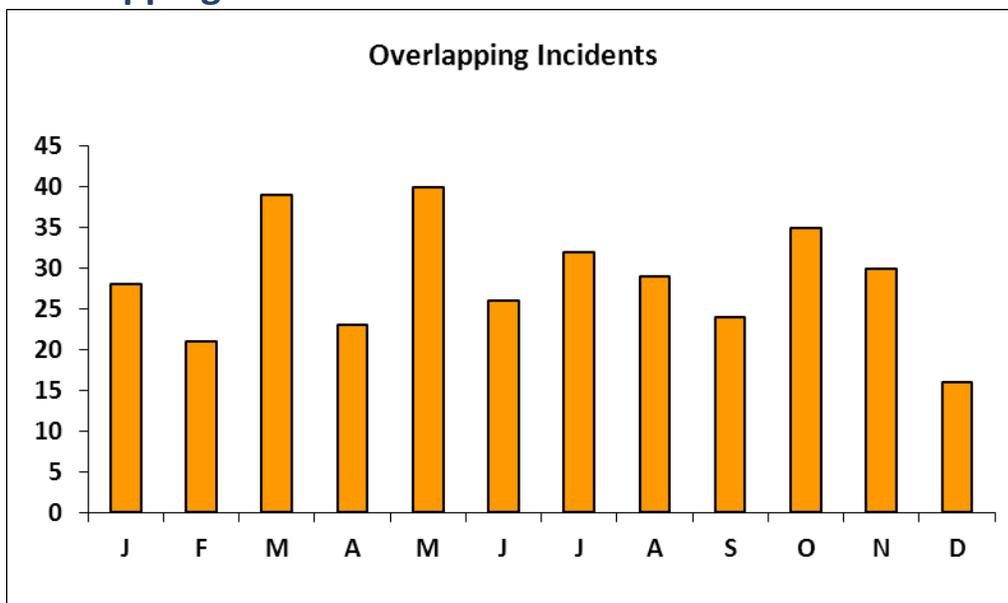
In 2011, the highest number of EMS incidents occurred in March (9.8%) followed by October (9.2%) and August (9.2%).

Response Times



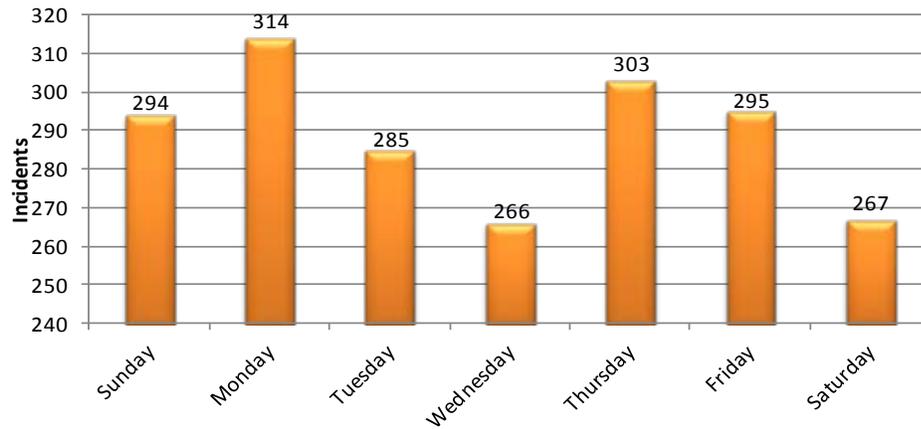
The Reading Fire Department Response Standards specify the minimum criteria needed to effectively and efficiently deliver fire suppression and emergency medical services. The Response Standard is six (6) minutes to all emergency alarms within the city limits. **87%** of the EMS responses, down from 88% in 2010, were made within 6 minutes. **68%** of the fire responses, down from 77% in 2010, were made within 6 minutes.

Overlapping Incidents



Overlapping incidents are when multiple incidents are occurring at the same time. This happened **17%** of the time during 2011 as compared to 16% in 2010.

Incidents By Day of Week

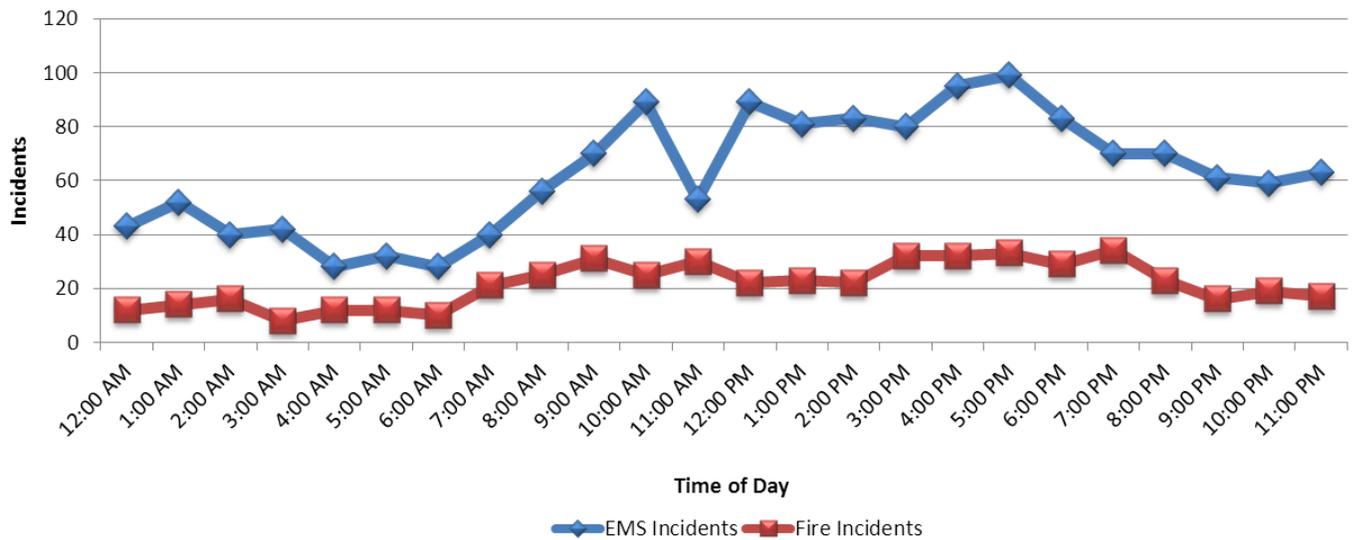


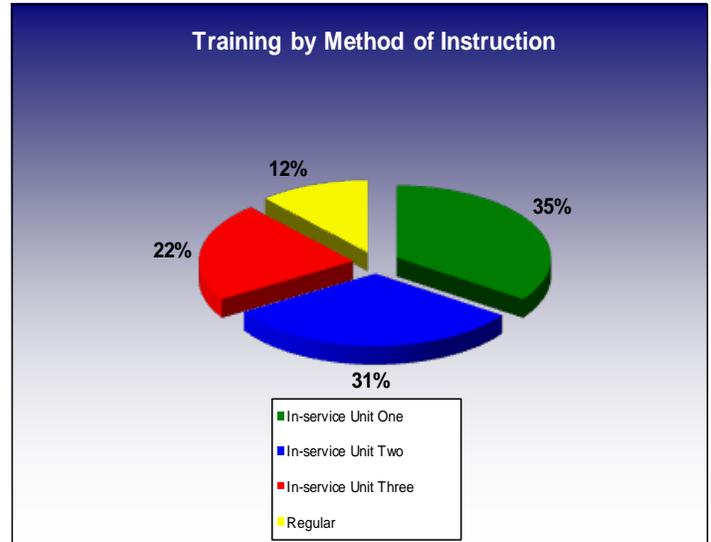
Above: House fire on Jefferson Ave.



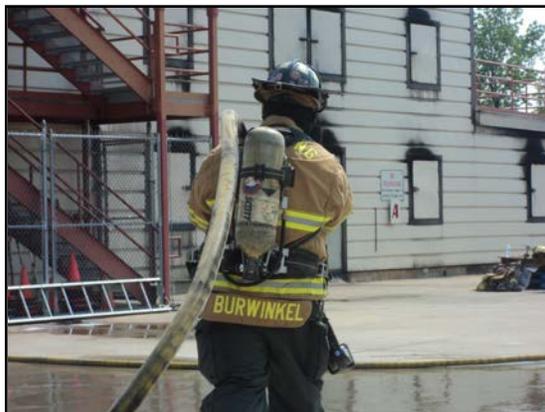
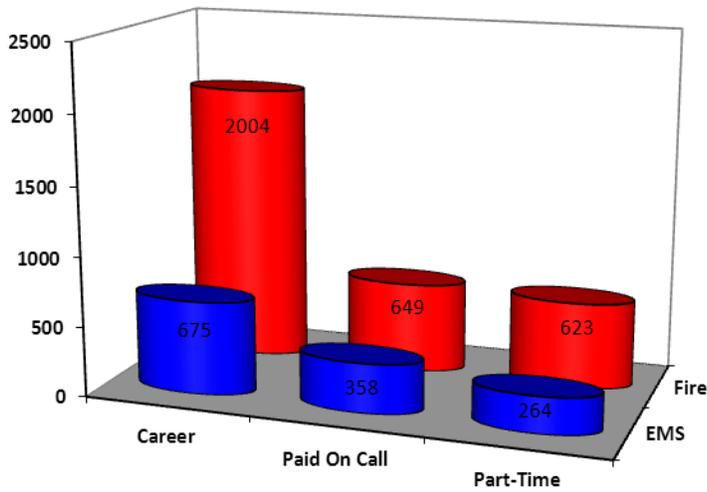
Above: Pick-up truck fire on E. Columbia Ave.

Incidents By Time of Day

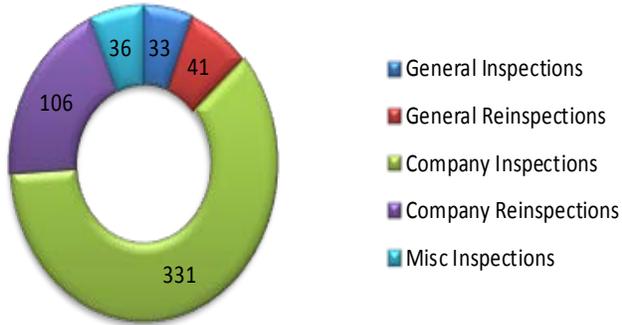




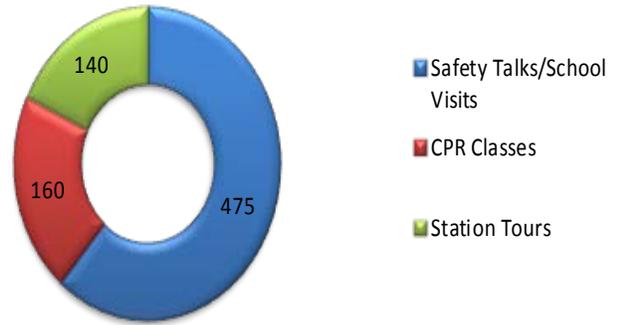
Total Training Hours



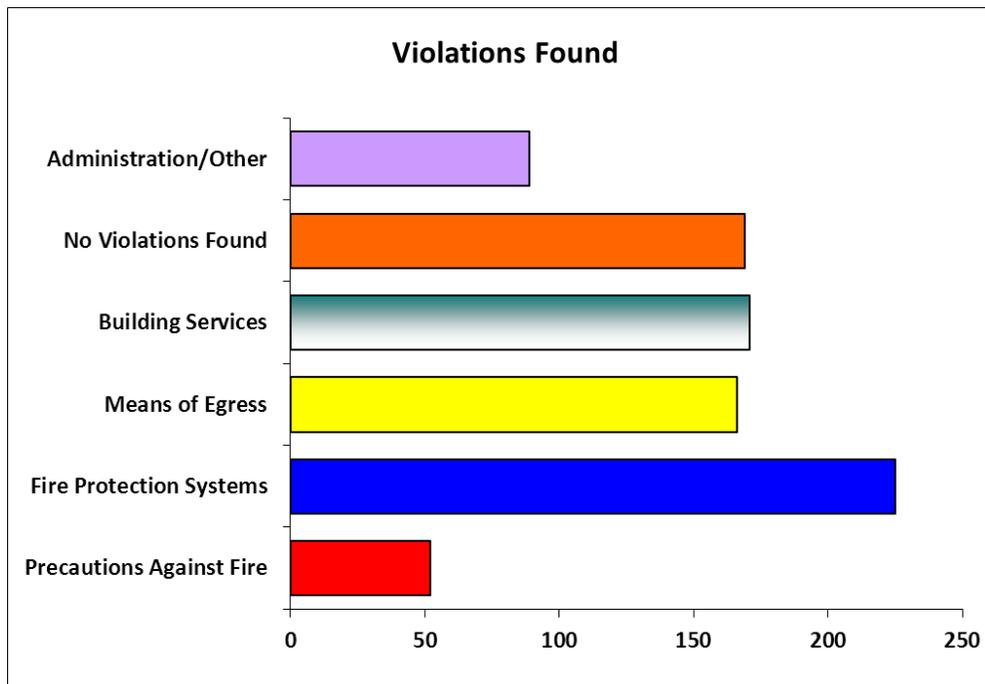
Inspections



Public Education Contacts



Violations Found



A total of 872 violations were found during 2011.

Fire extinguishers requiring annual service was the most common violation found (152) followed by extension cords (61).

2011 Accomplishments

- ◆ Assisted University Air Care with filming of a commercial for public relations materials.
- ◆ Received a \$64,000 FEMA Grant for rescue equipment (hydraulic tool, air bags, and a manual cutter/spreader for RAT operations) and a fire alarm system for the city building.
- ◆ Received a \$2,500 grant from the Ohio Department of Public Safety (EMS) for EMS supplies and equipment.
- ◆ Received smoke detectors with a donation from the Reading Eagles. Received additional smoke detectors from a Factory Mutual grant.
- ◆ Continued painting of hydrants throughout the city.
- ◆ Purchased additional communication equipment for the new voice/tone alerting system that was completed at the end of 2011.
- ◆ Purchased 20 sets of new structural firefighting personal protective clothing.
- ◆ Purchased a new 105' Pierce Arrow XT ladder truck with the expected delivery sometime in May of 2012.



- ◆ Community Activities
 - Participated in Reading Clean-Up Day
 - Raised money for TriState Leukemia/Lymphoma Society during Breast Cancer Awareness month
 - Ahrens Fox was in the Second Annual Reading Car Show.
- ◆ A new Horton squad was delivered in February.

Lt. Tom Grau
Fire Officer of the Year

FF/P Eric Fischesser
Career Firefighter of the Year

FF/E Dan Wattenhofer
Part-Time/Paid On-Call Firefighter of the Year

2011 Awards/Honors



Chief Kaiser received the Leadership Award from Syrian Shrine.

ADMINISTRATIVE STAFF

Kevin D. Kaiser, Fire Chief
Kim E. Fladung, Assistant Fire Chief

CAREER AND PART-TIME STAFF

SHIFT 1

Lt. Paul M. Gallo
FF/P Terry Widmann
FF/P Kit Kretschmar
FF/P Ryan Androne

FF/P Tyler Strole
FF/P Sean Healy

SHIFT 2

Lt. Thomas J. Grau
FF/P Dan Kunkel
FF/P Eric Fischesser
FF/P Paul Naehring

FF/P Bruce Thompson
FF/E Chris Anderson

SHIFT 3

Lt. Todd A. Owens
FF/P Todd Burwinkel
FF/P Mike Hardewig
FF/P Ed VonLehmden

FF/E Dan Wattenhofer
FF/E Eric Halpin

PAID ON-CALL STAFF

FF/E Andy Burton
FF/E Jordan Caldwell
FF/E Phil Connell
FF/E Gary Cook
FF/P Nathan Daley
FF/E Kevin Daniels
FF/E David Davis
FF/E Tom Flynn
FF/P Jim Gallo
FF/E Mike Herbert
FF/E Jerry Kirby
FF/E Christina Mitchell
FF/E Rick Mitchell
EMT Dean Ramsey
FF/P Ron Sauder
FF/E Rob Singer
FF/E Brian Vaughn
FF/E Russ Wernke

RESIGNATIONS

Part-Time members Tim Jung and Tom Landrith resigned in 2011.