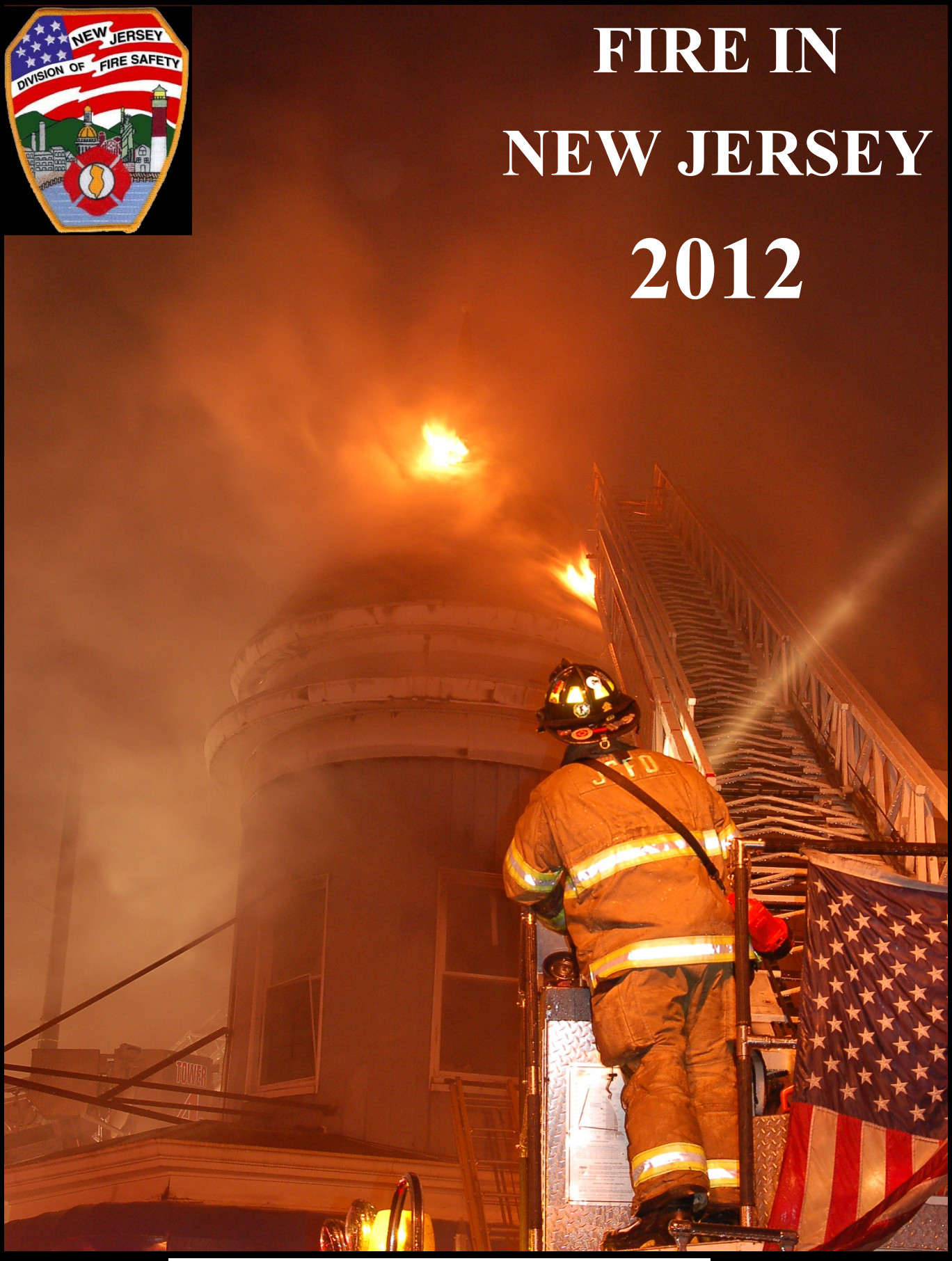
FIRE IN NEW JERSEY 2012



Division of Fire Safety

State of New Jersey

Department of Community Affairs

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State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
101 SOUTH BROAD STREET
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CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

RICHARD E. CONSTABLE, III
Commissioner

October, 2013

The Department of Community Affairs and its Division of Fire Safety are pleased to present, Fire in New Jersey, 2012. This annual report analyses data provided voluntarily from over 90% of New Jersey Fire Departments. It allows us to identify where and why fires occur so that we can amend fire codes and develop fire safety education programs to combat the fire problem.

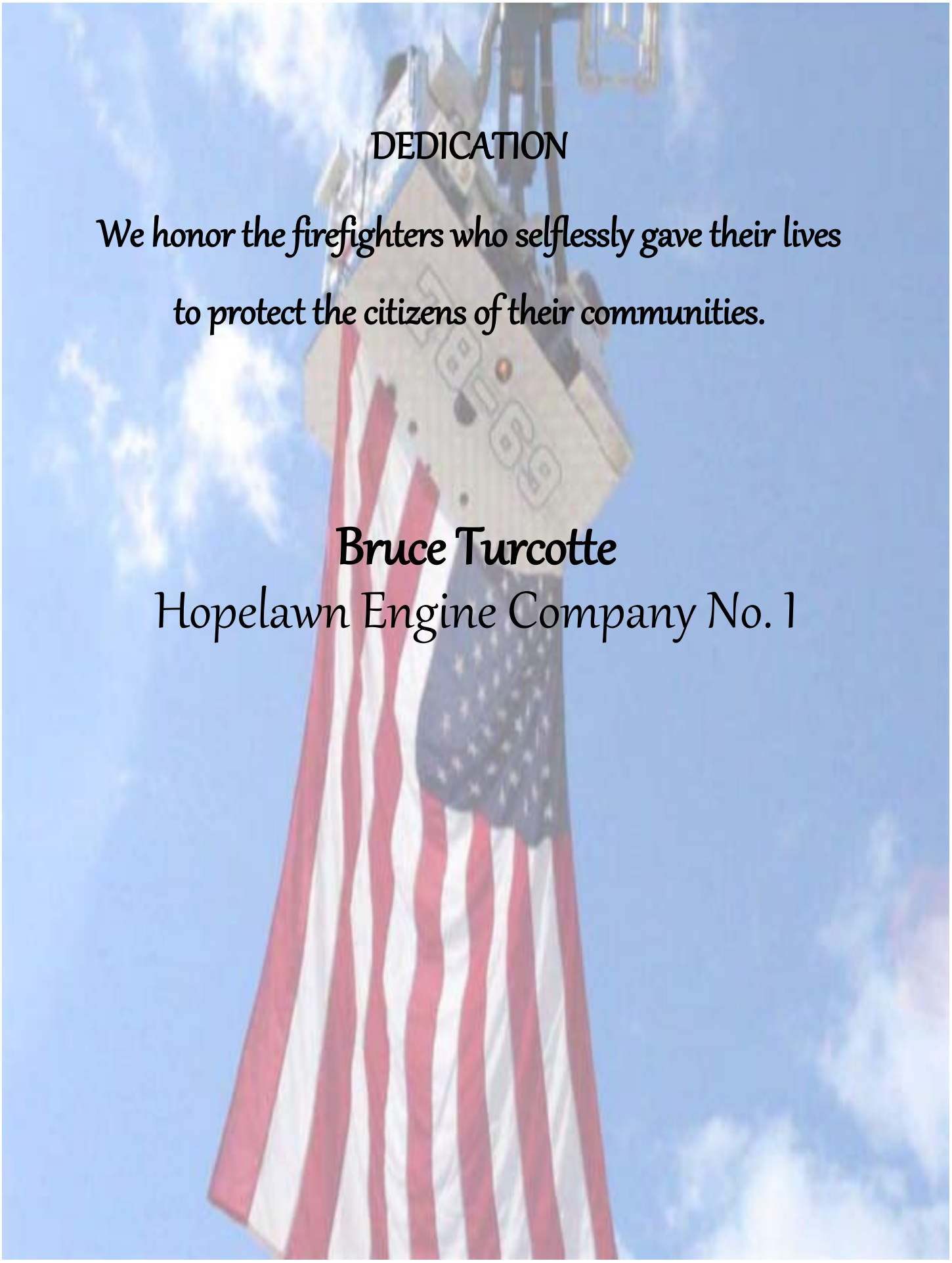
This report would not be possible if it were not for the participation of the vast majority of New Jersey's Fire Department. The percentage of departments providing their response data exceed that in many States where reporting is mandatory. In addition, the staff of the Division of Fire Safety's Fire Incident Reporting Unit work tirelessly with fire departments to ensure that their data is not only submitted, but is as accurate as possible. And lastly, guidance from the New Jersey Fire Safety Commission's Statistics and Information Advisory Council helps us to maintain strategies to encourage participation as well as analyses the data and make recommendations to the full commission.

The fire service no longer responds to just fires. It is responsible to respond to many types of emergency situations, and this report captures those activities as well. We encourage you to review the report and support the challenges that the fire service faces in protecting the lives and property of the residents of New Jersey.

On behalf of the residents of the Great State of New Jersey we thank every member of the fire service for their dedicated service to their communities and the state as a whole in response to Superstorm Sandy.

Richard E. Constable, III
Commissioner

William Kramer, Jr.
Director/Acting State Fire Marshal



DEDICATION

We honor the firefighters who selflessly gave their lives

to protect the citizens of their communities.

Bruce Turcotte

Hopelawn Engine Company No. 1

FIRE IN NEW JERSEY

2012

PREPARED BY:
Heather Puskar–Allen
State Program Manager/Supervisor
Fire Incident Reporting Unit

New Jersey Division of Fire Safety
P.O. Box 809
Trenton, New Jersey 08625

CONGRATULATIONS

TO THE FOLLOWING COUNTIES

FOR 100% PARTICIPATION

CAPE MAY

ESSEX

HUDSON

SALEM

UNION

TABLE OF CONTENTS

INTRODUCTION

FIRE IN NEW JERSEY 2012 is a statistical analysis of fire and emergency incidents in New Jersey. The data collected and used in the formulation of this report comes from fire departments throughout New Jersey that participate in the National Fire Incident Reporting System (NFIRS). Fire service personnel enter incident data into their fire department computer-based NFIRS database and, on a monthly basis, submit their data to the Division of Fire Safety. The Division receives the fire department data, processes it into the State NFIRS database and forwards the data to the Federal NFIRS database.

NFIRS BACKGROUND

The Federal Fire Prevention and Control Act of 1974 (P.L. 93-948) authorized the National Fire Data Center in the United States Fire Administration (USFA) to gather and analyze information on the frequency, causes, spread, and extinguishment of fires; on the number, nature and causes of injuries and deaths resulting from fires and on property loss.

FIRE INCIDENT REPORTING IN NEW JERSEY

The data used in this report is from fire departments that participate in the NFIRS. The statutes that created the Division of Fire Safety call for the Division to administer a fire incident reporting system in accordance with N.J.S.A. 52:27D-25d.(d.) To encourage participation, the Division of Fire Safety provides reference materials, incident field notes, and training to fire departments. The incident data that fire departments submit to the Division is forwarded to the National Fire Data Center at the United States Fire Administration. The Division began implementation of NFIRS 5 in 1999 and all of the data used in this report is from NFIRS 5. NFIRS 5 is an all-incident based reporting system which captures the many different types of incidents to which fire departments respond. Please see pages 80 to 86 for a complete list of incident types.

Picture courtesy of Ron Jeffers

Front cover picture courtesy of Bill Tompkins.

Dedication page picture courtesy of John Honer.

NFIRS CONTACT INFORMATION

The Division of Fire Safety provides NFIRS staff to assist fire departments with NFIRS training and technical support. Please feel free to contact your NFIRS Field Representative.

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This report would not be possible without the hard work, support and dedication of the NFIRS staff.

REPORT CONTENTS

The 2012 data presented in this report is representative of the incident data that was submitted to the Division of Fire Safety's NFIRS Unit by June 4, 2013. Data received has been processed into the State and Federal databases. (Please refer to the "Fire Department Participation Addendum" to see if your fire department has contributed to the information in this report.) Based upon incidents received, New Jersey fire departments responded 422,011 times to incidents in 2012.

Data submission is broken down as follows:

Of the 729 fire departments in the state, 670 (91%) submitted data.

Note: 46 fire departments submitted less than six months of data.

59 fire departments did not submit any data.

Fire Department Changes: Folsom Fire Department in Atlantic County (FDID# 01101) closed. Folsom is now being covered by Collings Lakes Fire Department. Camden County Division of Fire in Camden County (FDID# 04281) closed. National Park System Sandy Hook Rescue in Monmouth County (FDID# 13902) has been added to the NFIRS system.

Picture courtesy of Jackie Pellek

Picture courtesy of Paul Allen

Data in this report does not include military installation fire department data. Military installation fire departments submit their NFIRS data directly to the Department of Defense.

All of the charts included in this report are based on 2012 totals unless otherwise specified.


Picture courtesy of F. & B. Puskar


Picture courtesy of Blythe Long

SUPERSTORM SANDY

We take pride in the accuracy of the data presented in this report. This is only achieved with the cooperation and diligence of the New Jersey Fire Service as a whole. On October 29, 2012 Superstorm Sandy struck the State of New Jersey, just north of Atlantic City. According to the National Hurricane Center this was the largest Atlantic Hurricane on record as it reached 1,000 miles in diameter. This storm affected every county in the state.

The widespread impact of this massive storm truly tested the resources of our fire service as well as our emergency dispatch centers. Many fire departments continuously responded to calls for assistance many days after the storm made landfall. In several communities the fire department investigated every residence to ensure that no one was in harms way. Many communities also had mutual aid fire companies operating in their jurisdiction for extended periods of time. We realize that it is extremely difficult to properly document incident information under these extreme conditions.

The Division of Fire Safety's Fire Incident Reporting Unit staff has worked closely with fire departments to ensure that Superstorm Sandy incident data is as accurate as possible. However, we acknowledge that our 2012 data, as a whole, may not be completely accurate due to the magnitude of this event. In fact, there are fire departments, for example, that documented 200 incidents for the entire year when they actually responded to over 200 incidents the night the storm hit.


Picture courtesy of Frank Clark


Picture courtesy of Blythe Long

FAST STATS FOR 2012

- **1** firefighter died in the line of duty. (Page 14)
- **398** firefighter injuries were reported. (Page 15)
- **85** civilians lost their lives as a result of fire. (Page 20)
- **88%** of all civilian fire fatalities occurred in residential properties. (Page 22)
  - **47 (55%)** in 1 or 2 family dwellings
  - **28 (33%)** in multifamily dwellings
- **230** civilians were reported injured as a result of fire. (Page 27)
- **444** civilians were reported revived by fire departments using an automatic external defibrillator. (Page 79)
- **24,720** fires were reported. (Page 35)
- **14,443** structure fires were reported. (Page 35)
- **80%** of all reported structure fires involved residential properties. (Page 37)
- **56%** of reported residential fires occurred in 1 or 2 family dwellings. (Page 39)
- **300** fires were reported intentionally set in residential properties. (Page 41)
- **78%** of all reported vehicle fires involved passenger vehicles. (Page 73)
- **9** civilian fire fatalities occurred in vehicles. (Page 22)
- **46** passenger vehicle fires were reported intentionally set. (Page 73)
- **2,047** acres were reported burned. (Page 75)
- **365** school fires were reported. (Page 67)
- **8%** of all reported incidents were fire incidents. (Page 31)

2012 FIRE CLOCK

One fire occurred every **21 minutes 15 seconds**

One structure fire occurred every **36 minutes 23 seconds**

Fire departments responded to fire incidents every **21 minutes 15 seconds**

One confined fire occurred every **48 minutes 7 seconds**

One firefighter injury occurred every **22 hours**

One vehicle fire occurred every **3 hours 27 minutes**

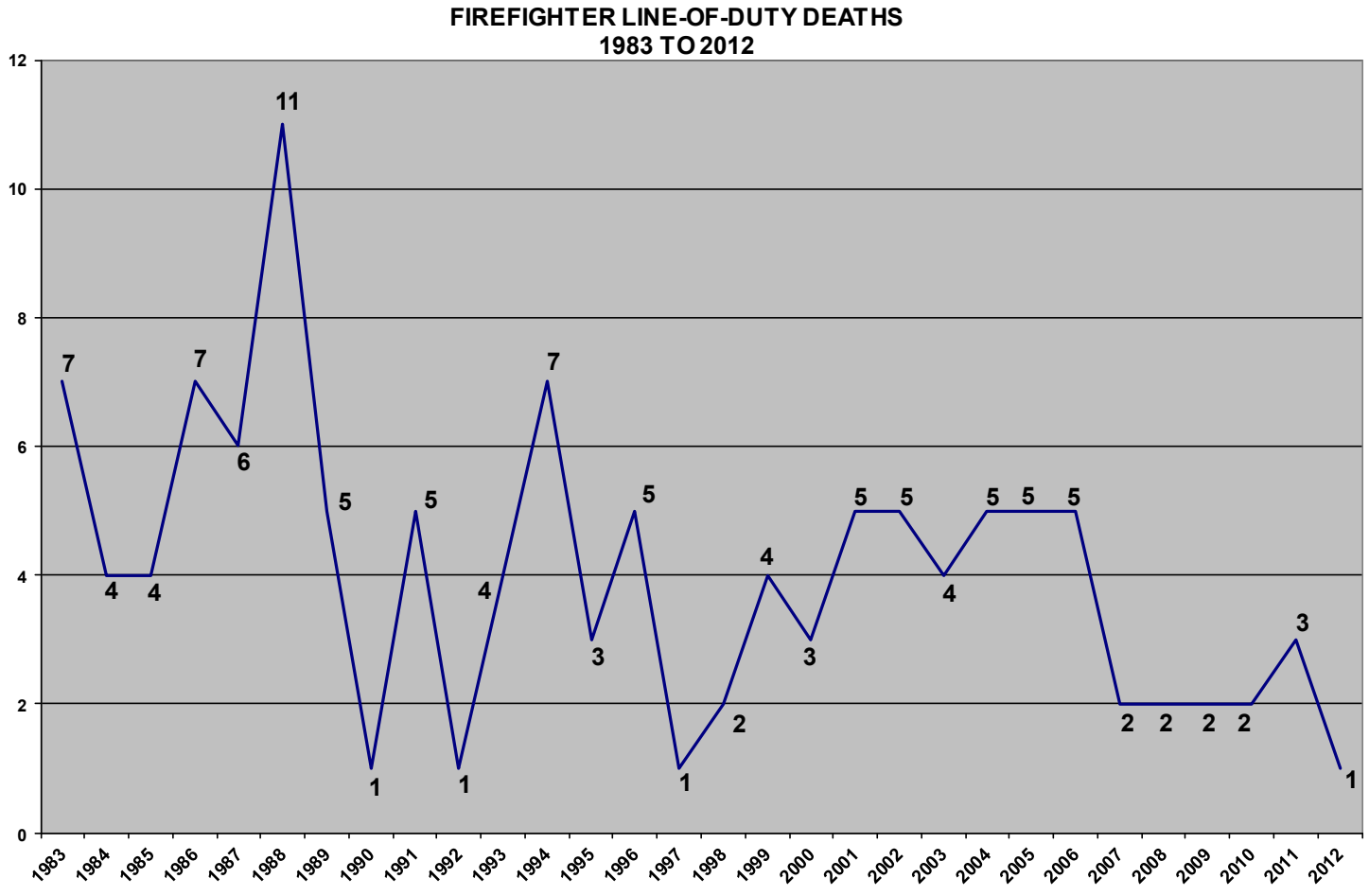
Pictures courtesy of Bill Tompkins

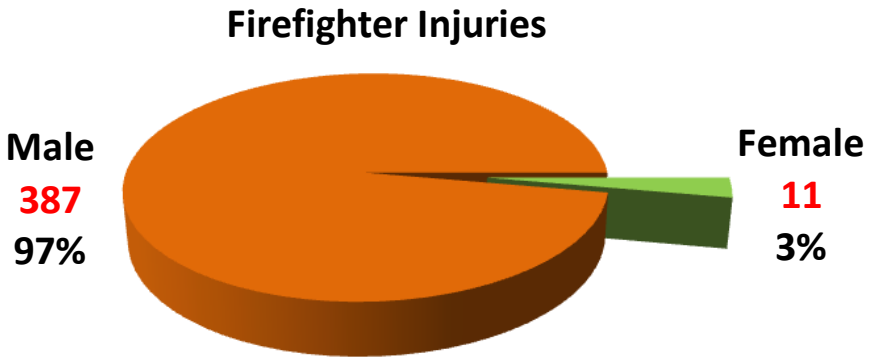
FIREFIGHTER LINE-OF-DUTY DEATHS

FIREFIGHTER LINE-OF-DUTY DEATHS 2012						
NAME	AGE	STATUS	YEARS OF SERVICE	FIRE DEPARTMENT	CAUSE OF DEATH	INCIDENT TYPE
Bruce Turcotte	58	Volunteer	38	Hopelawn Engine Company No. 1	Heart Attack	Building Fire

50 firefighters have died in the line of duty since 1998.

Of those 50 firefighters, 28 firefighters (56%) have succumbed to heart attacks.

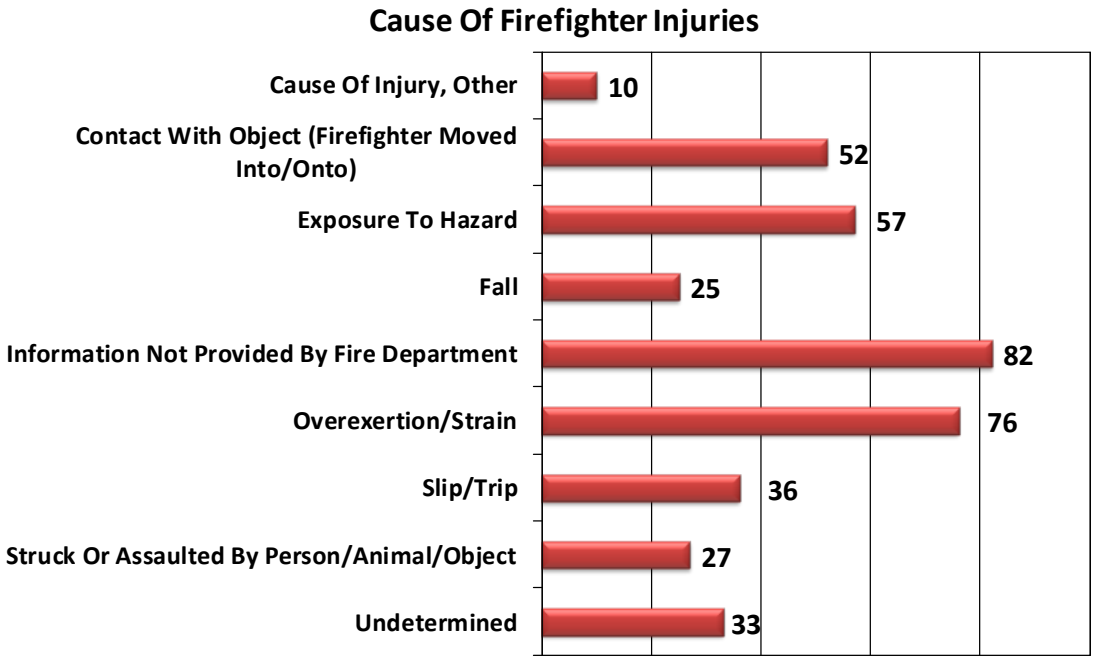




YEAR	NUMBER OF FIREFIGHTER INJURIES	NUMBER OF FIRE DEPARTMENTS REPORTING
2012	398	670
2011	516	682
2010	737	688
2009	717	687
2008	856	691
2007	864	715
2006	920	719
2005	863	675
2004	682	656
2003	712	576
2002	719	594
2001	596	586
2000	333	356

Most Frequent Incident Types When Firefighter Injuries Occurred

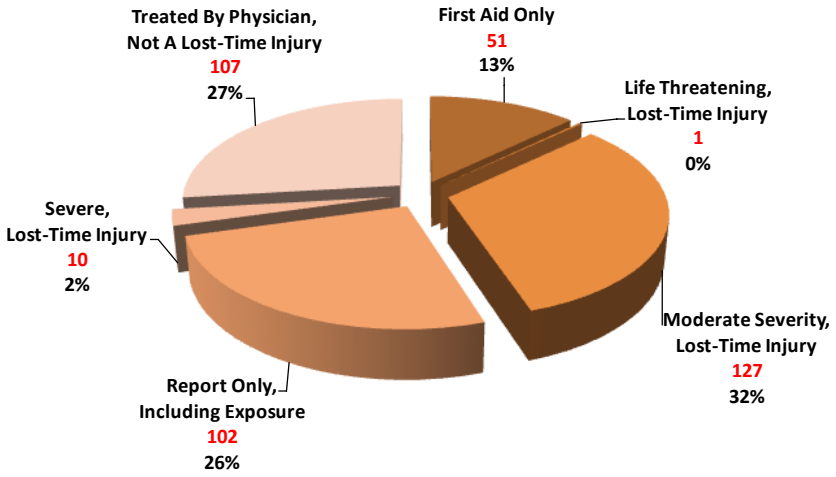
FIREFIGHTER INJURIES



NUMBER OF REPORTED FIREFIGHTER INJURIES IN 2012	NUMBER OF FIREFIGHTERS INJURED TWICE IN 2012	NUMBER OF FIREFIGHTERS INJURED THREE TIMES IN 2012
398 (387 Male, 11 Female)	**19** (19 Male, 0 Female)	**4** (4 Male, 0 Female)

		CAUSE OF FIREFIGHTER INJURIES									
		Cause Of Injury, Other	Object (Firefighter Moved Into/Onto)	Exposure To Hazard	Fall	Information Not Provided By Fire Department	Overexertion/ Strain	Slip/Trip	Struck Or Assaulted By Person/Animal/ Object	Undetermined	Total
COUNTY	Atlantic			1		2		2			5
	Bergen	1	5	11	1	9	6	4	1	1	39
	Burlington	1	3			5	2		10	1	22
	Camden		3	8	2	13	6	4	4	3	43
	Cape May		1			1	1	1			4
	Cumberland		4		2	2			2		10
	Essex	3	11	14	9	3	24	13	1	9	87
	Gloucester					1		2		1	4
	Hudson		2			9	2	3		1	17
	Hunterdon					1			1	1	3
	Mercer	1		1	6	3	5	2	1	2	21
	Middlesex		8	9		8	7			3	35
	Monmouth		2	4		7	6	2	2	2	25
	Morris						1				1
	Ocean		1			6	1	1		2	11
	Passaic	1	1	1	1	4	2			2	12
	Salem				1	2					3
	Somerset		2	1	1	2					6
	Sussex	1									1
	Union	2	7	7	2	4	13	2	4	5	46
	Warren		2						1		3
	Total	10	52	57	25	82	76	36	27	33	398

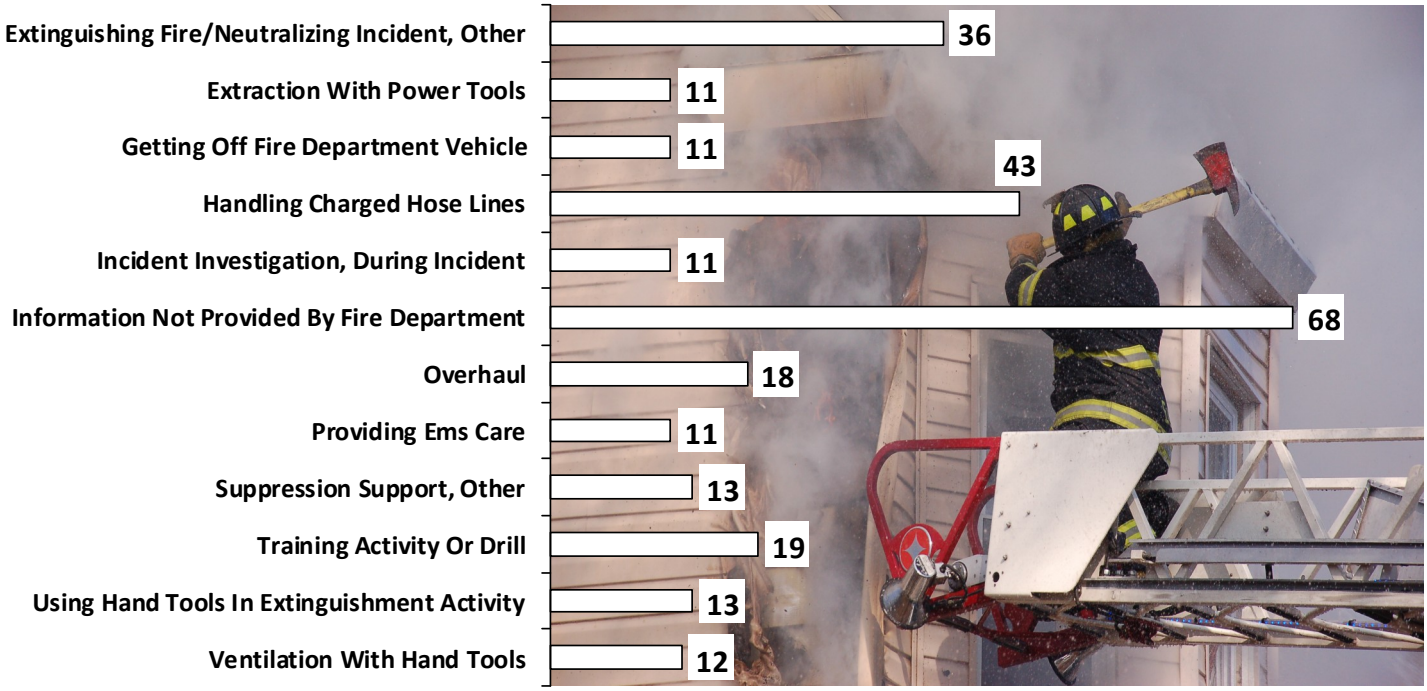
Severity Of Firefighter Injuries



SEVERITY OF FIREFIGHTER INJURIES	AVERAGE AGE OF FIREFIGHTERS INJURED
First Aid Only	35
Life Threatening, Lost-Time Injury	27
Moderate Severity, Lost-Time Injury	40
Report Only, Including Exposure	39
Severe, Lost-Time Injury	44
Treated By Physician, Not A Lost-Time Injury	34
AVERAGE AGE OF ALL FIREFIGHTERS INJURED	**38**

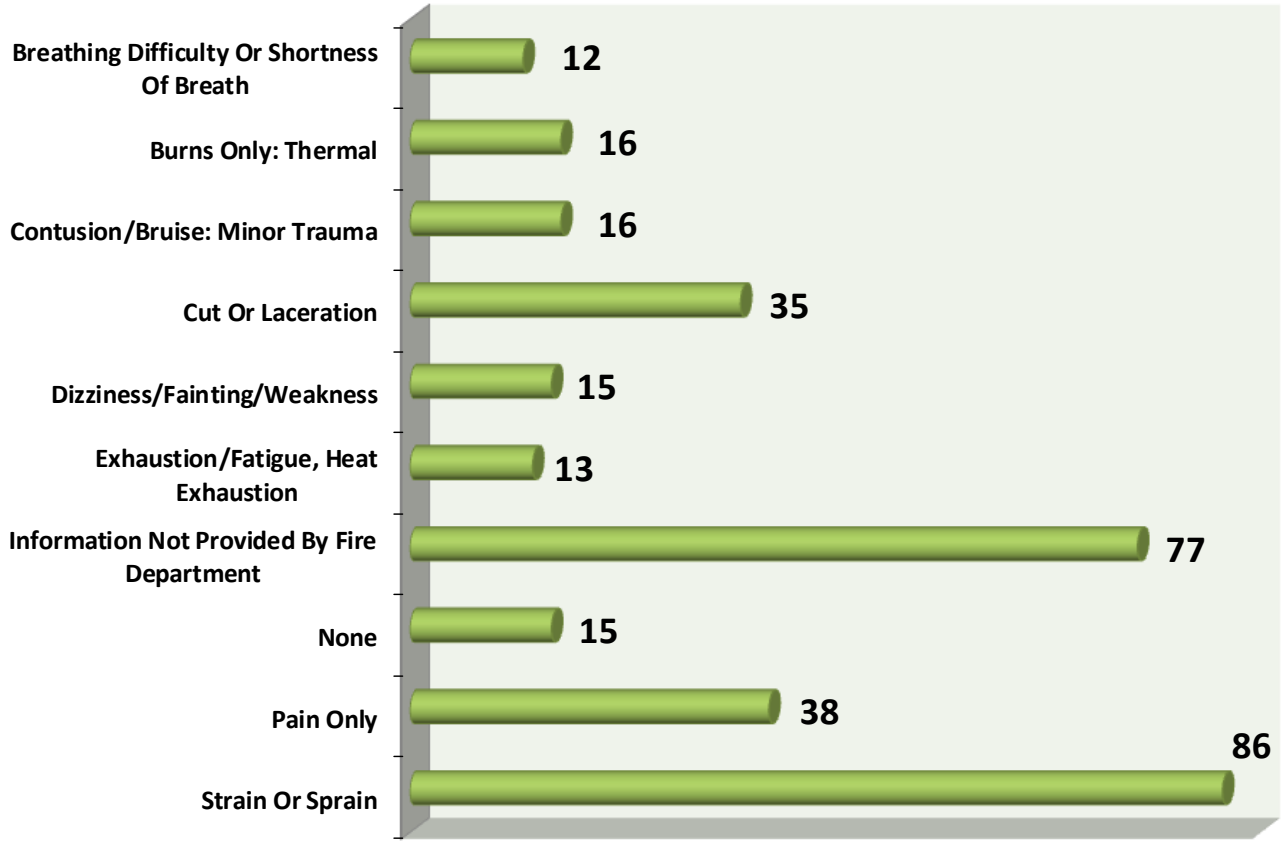
		SEVERITY OF FIREFIGHTER INJURIES						
		First Aid Only	Life Threatening, Lost-Time Injury	Moderate Severity, Lost-Time Injury	Report Only, Including Exposure	Severe, Lost-Time Injury	Treated By Physician, Not A Lost-Time Injury	Total
COUNTY	Atlantic	1		2	2			5
	Bergen	6	1	14	5		13	39
	Burlington	2		7	4	1	8	22
	Camden	2		20	12	4	5	43
	Cape May			3			1	4
	Cumberland	1		3	3		3	10
	Essex	10		21	38	3	15	87
	Gloucester				1		3	4
	Hudson	1		12	2		2	17
	Hunterdon			1			2	3
	Mercer	3		8	2		8	21
	Middlesex	10		10	8		7	35
	Monmouth	6		4	5		10	25
	Morris						1	1
	Ocean	4		2	1		4	11
	Passaic	2		3	2		5	12
	Salem				1		2	3
	Somerset				1		5	6
	Sussex						1	1
	Union	3		16	14	1	12	46
	Warren			1	1	1		3
	Total	**51**	**1**	**127**	**102**	**10**	**107**	**398**

Most Frequent Activity When Injuries Occurred

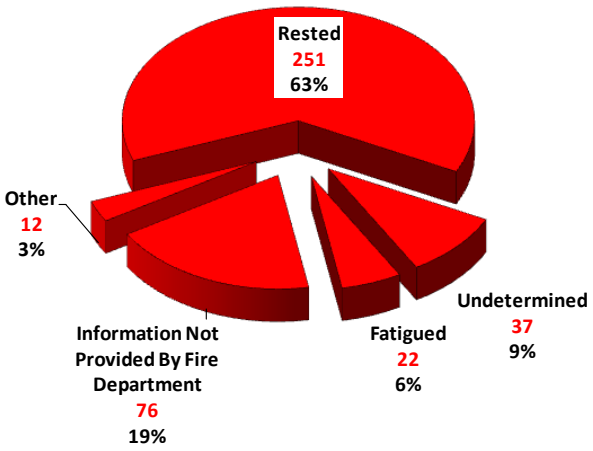


Picture courtesy of Bill Tompkins

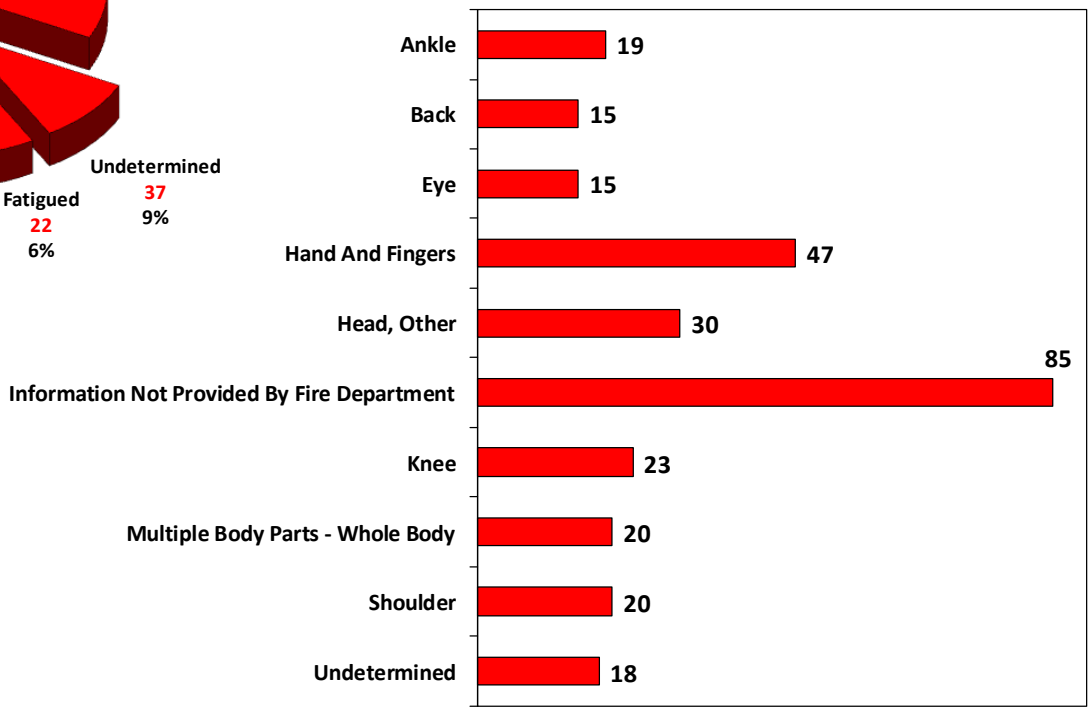
Most Frequent Primary Apparent Symptoms Of Firefighter Injuries



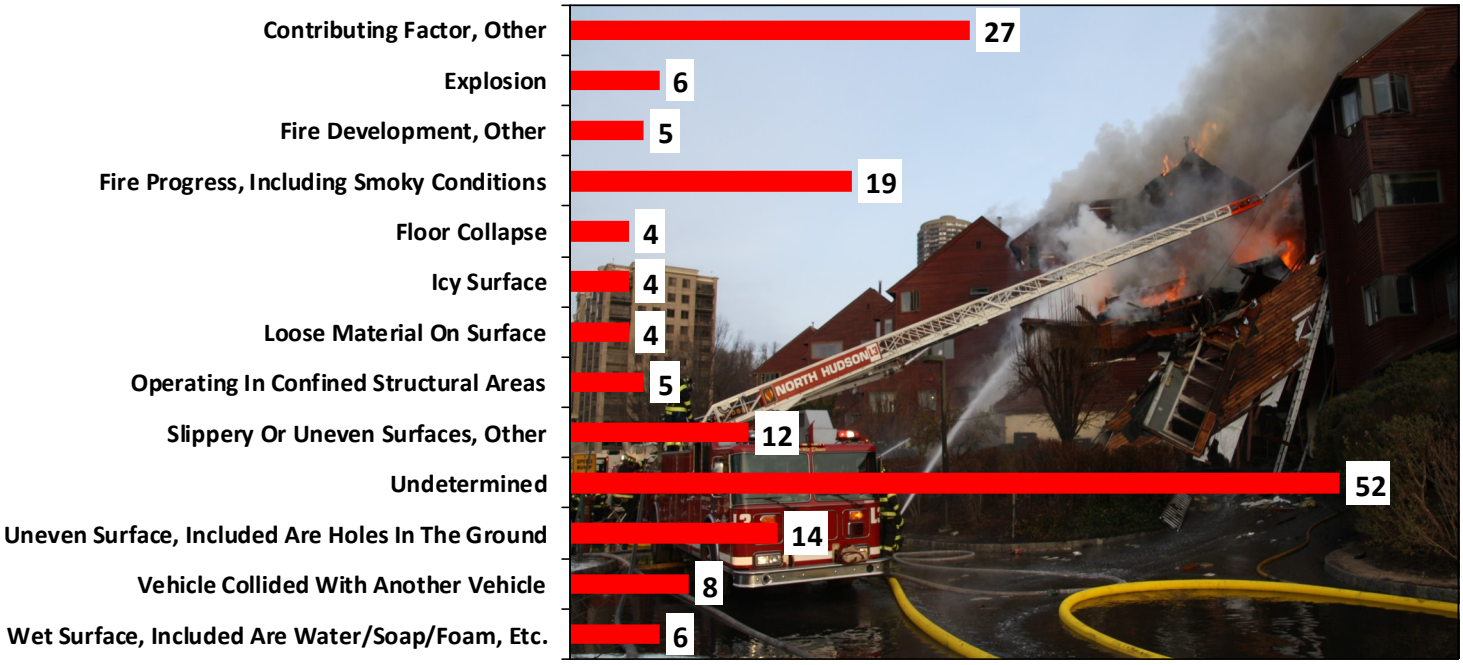
Physical Condition Of Firefighters Just Prior To Injury



Most Frequent Primary Body Part Injured

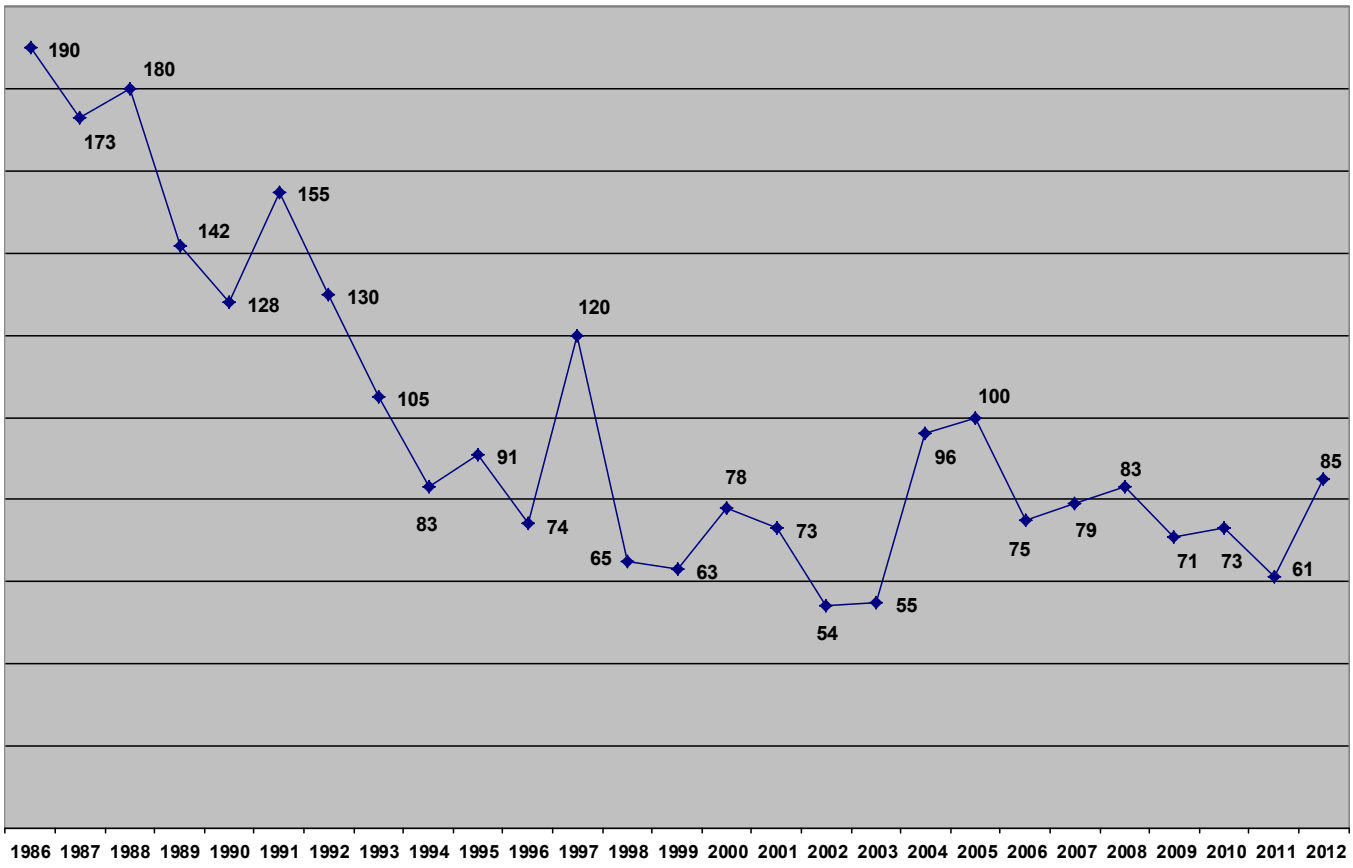


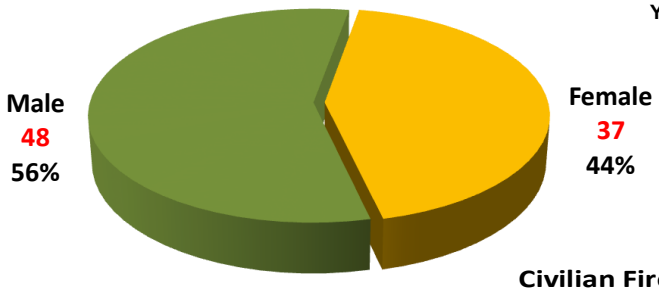
Most Frequent Factors Contributing To Firefighter Injuries



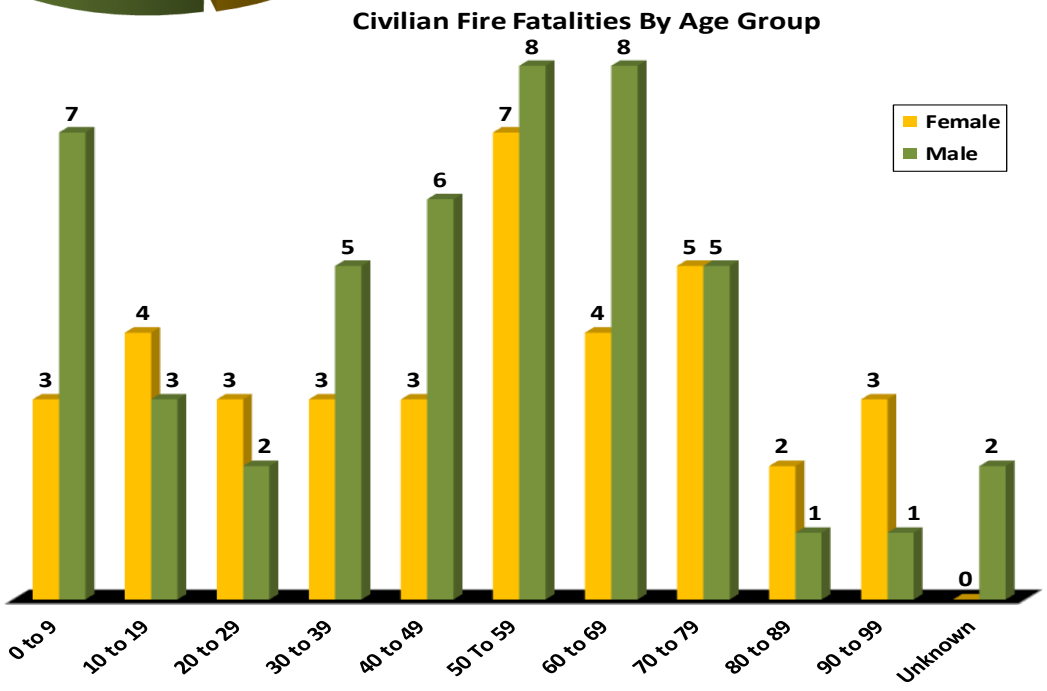
Picture courtesy of Ron Jeffers

CIVILIAN FIRE FATALITIES

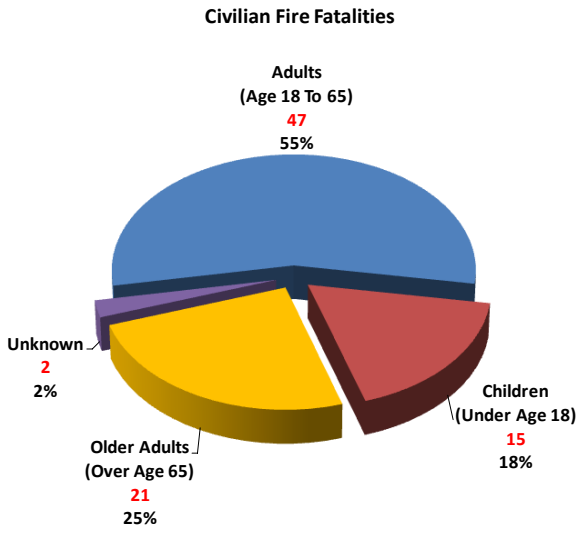




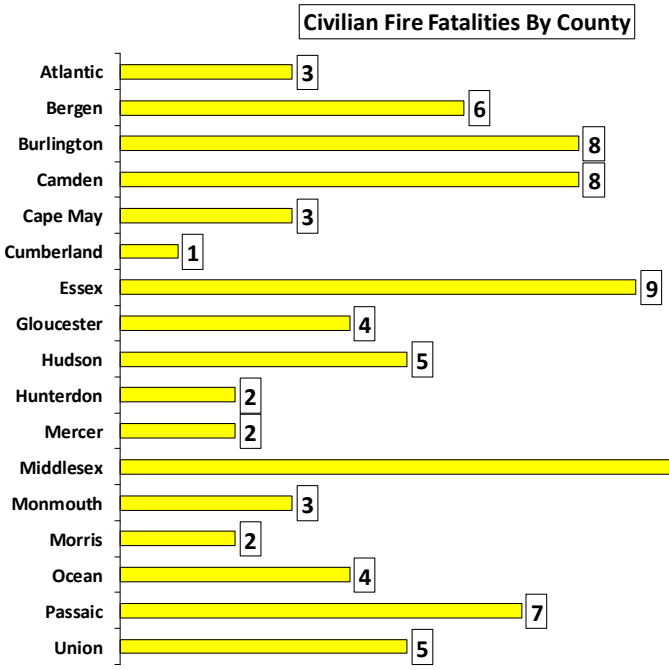
65 FIRE INCIDENTS LED TO 85 CIVILIAN FATALITIES

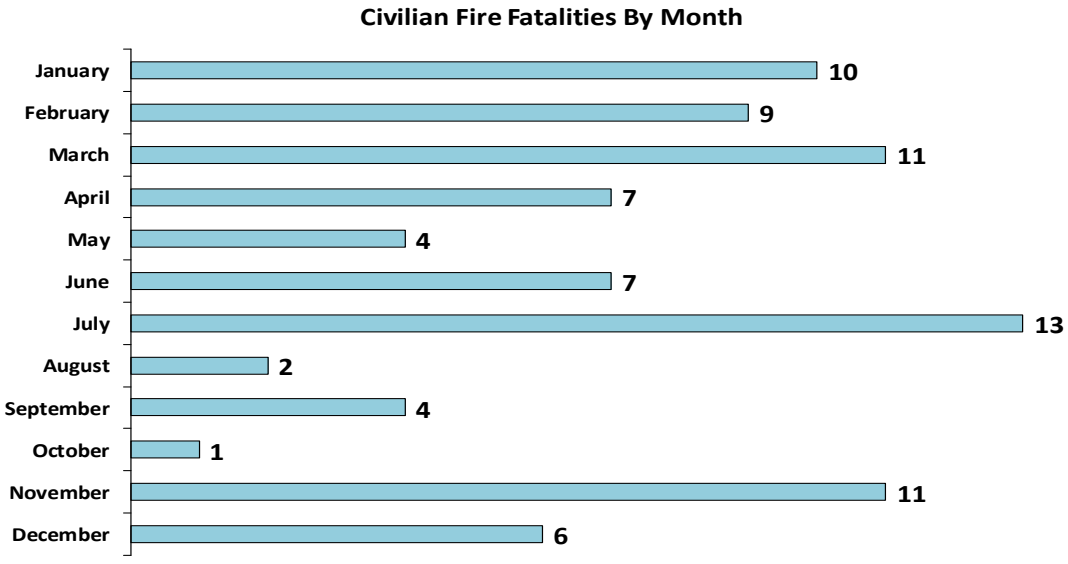


CIVILIAN FIRE FATALITIES

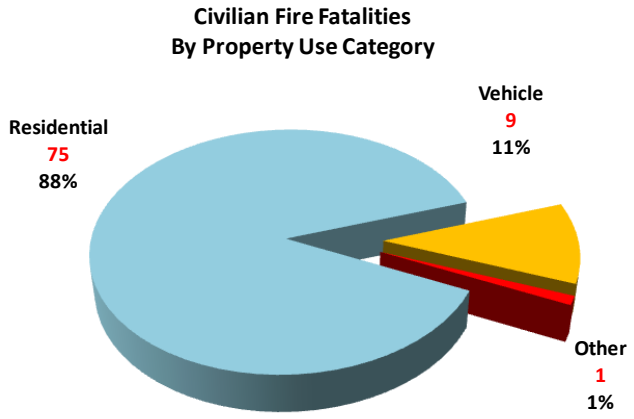


Picture courtesy of Ron Jeffers

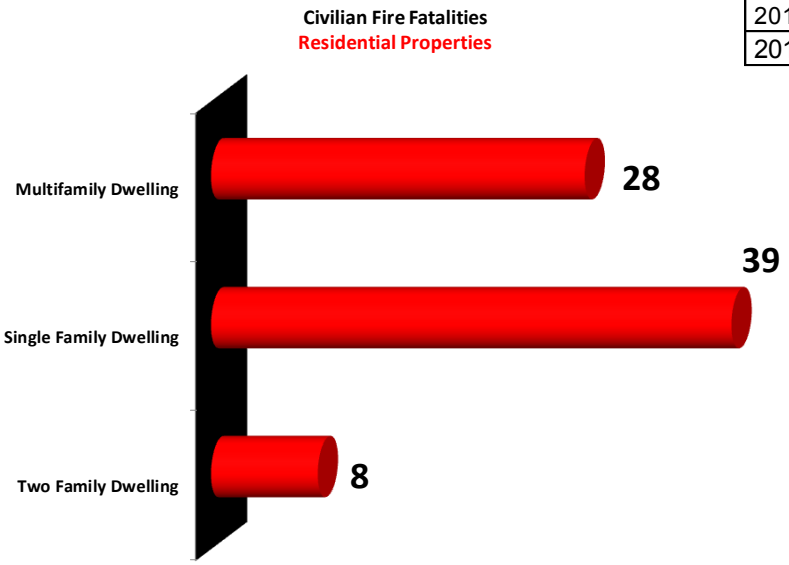




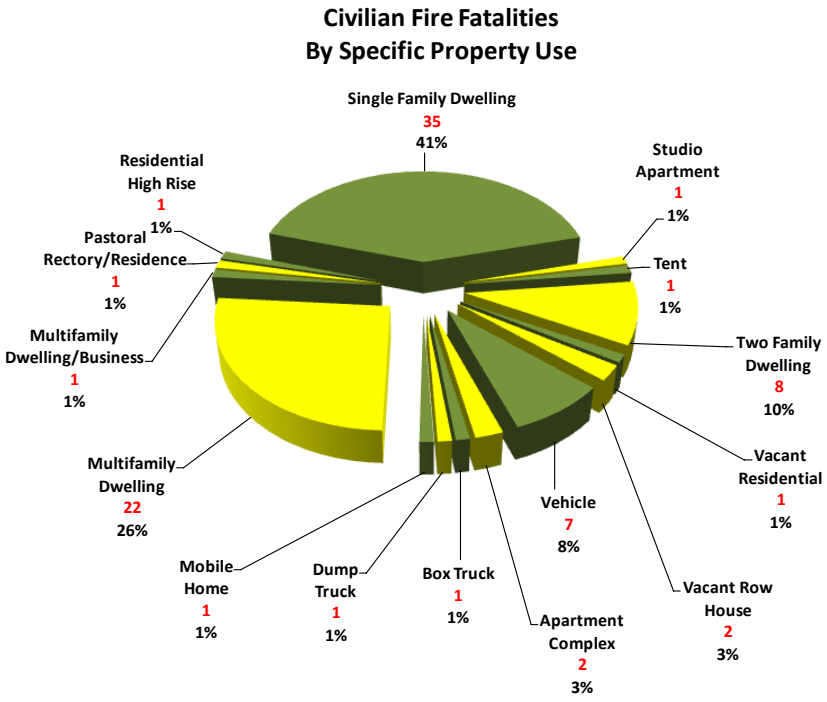
CIVILIAN FIRE FATALITIES



YEAR	TOTAL CIVILIAN FIRE FATALITIES	TOTAL CIVILIAN FIRE FATALITIES IN RESIDENTIAL STRUCTURES & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN 1 OR 2 FAMILY DWELLINGS & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN MULTIFAMILY DWELLINGS & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES
2004	96	80 = 83%	60 = 62%	19 = 19%
2005	100	83 = 83%	54 = 54%	22 = 22%
2006	75	55 = 73%	28 = 37%	21 = 28%
2007	76	66 = 86%	51 = 67%	15 = 19%
2008	83	65 = 78%	44 = 53%	20 = 24%
2009	71	55 = 78%	36 = 50%	18 = 25%
2010	73	57 = 78%	35 = 48%	22 = 30%
2011	61	47 = 77%	33 = 54%	14 = 23%
2012	85	75 = 88%	47 = 55%	28 = 33%



Picture courtesy of Bill Tompkins



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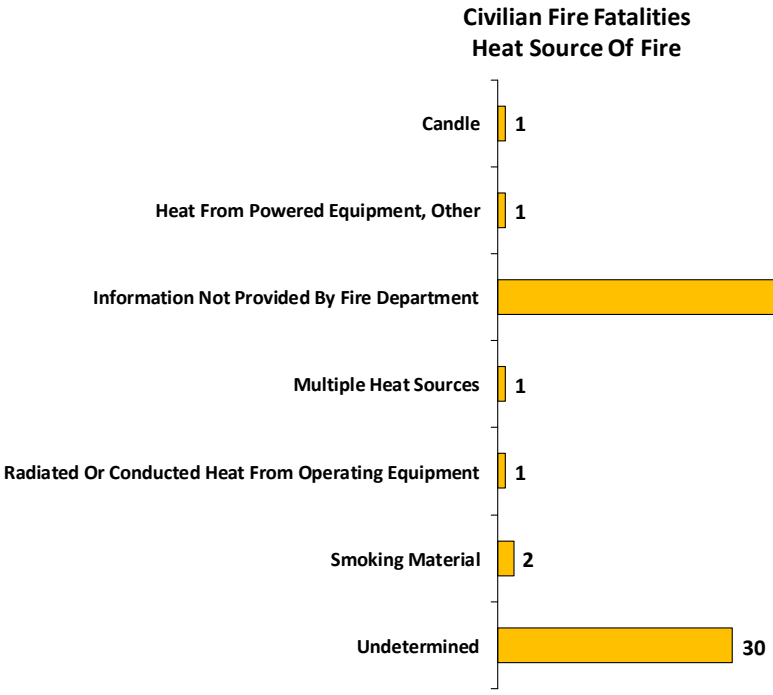
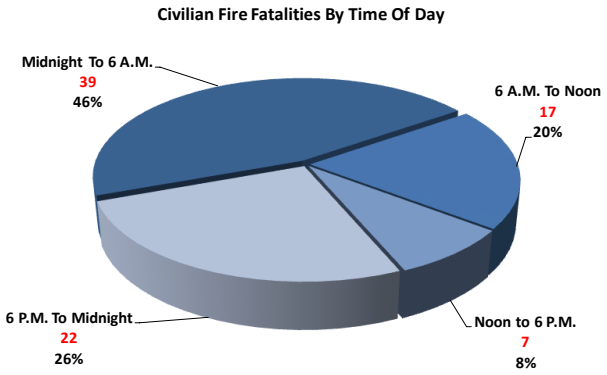
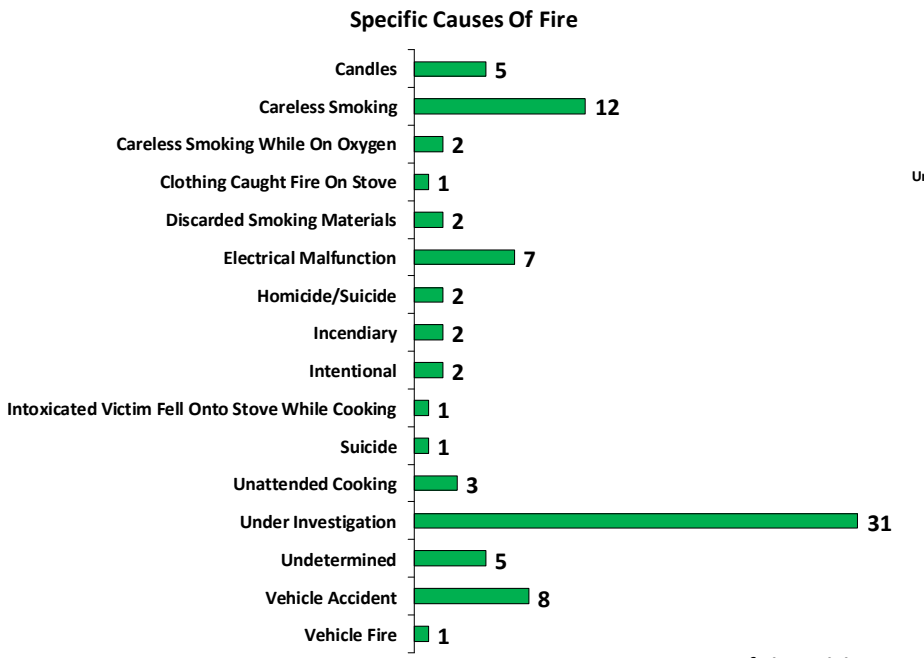


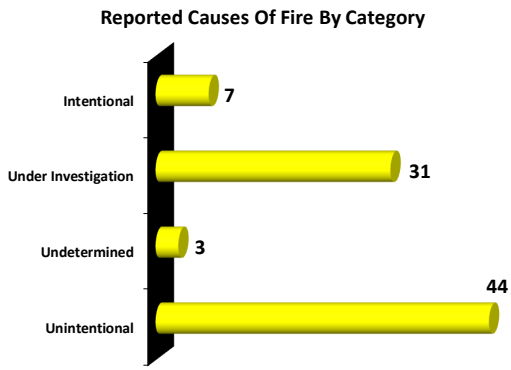


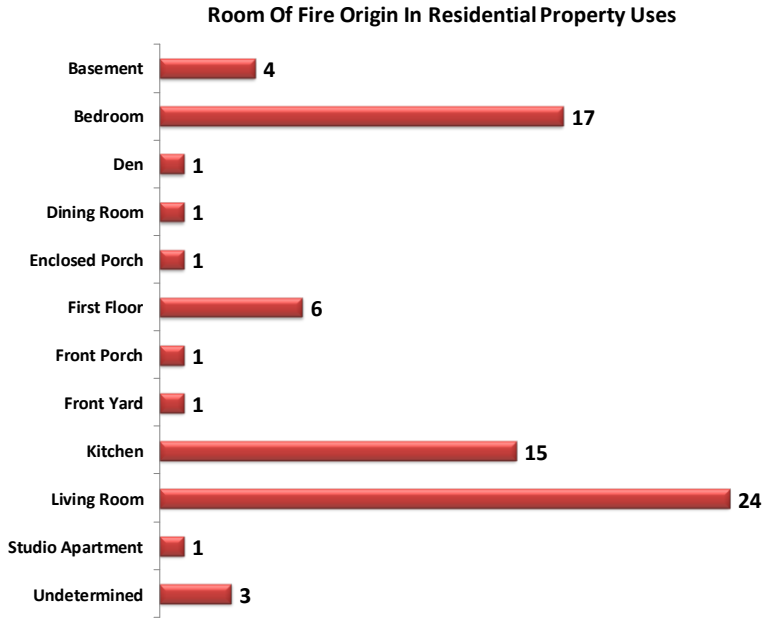
Multiple Civilian Fire Fatalities

Date	Alarm Time	Municipality	County	Age	Gender	Cause of Fire	Property Use	Room of Origin	Detector Presence	Detector Operation
1/7/12	1:52	Margate City	Atlantic	75	Male	Electrical	Single Family Dwelling	Living Room	Present	Did Not Operate
1/7/12	1:52	Margate City	Atlantic	69	Female	Electrical	Single Family Dwelling	Living Room	Present	Did Not Operate
2/23/12	3:10	South Plainfield	Middlesex	62	Female	Under Investigation	Multifamily Dwelling	Kitchen	Undetermined	Undetermined
2/23/12	3:10	South Plainfield	Middlesex	12	Female	Under Investigation	Multifamily Dwelling	Kitchen	Undetermined	Undetermined
2/23/12	3:10	South Plainfield	Middlesex	7	Male	Under Investigation	Multifamily Dwelling	Kitchen	Undetermined	Undetermined
2/23/12	3:10	South Plainfield	Middlesex	5	Male	Under Investigation	Multifamily Dwelling	Kitchen	Undetermined	Undetermined
2/23/12	3:10	South Plainfield	Middlesex	2	Male	Under Investigation	Multifamily Dwelling	Kitchen	Undetermined	Undetermined
3/10/12	4:37	Camden City	Camden	28	Male	Candles	Vacant Row House	Bedroom	None Present	Not Applicable
3/10/12	4:37	Camden City	Camden	20	Female	Candles	Vacant Row House	Bedroom	None Present	Not Applicable
4/8/12	2:07	Florence	Burlington	8	Female	Under Investigation	Single Family Dwelling	Kitchen	Present	Operated
4/8/12	2:07	Florence	Burlington	53	Female	Under Investigation	Single Family Dwelling	Kitchen	Present	Operated
6/3/12	21:30	East Orange	Essex	55	Female	Under Investigation	Residential High Rise	Living Room	Present	Operated
6/3/12	21:30	East Orange	Essex	3	Male	Under Investigation	Single Family Dwelling	Living Room	Present	Operated
6/29/12	5:20	Camden City	Camden	15	Male	Under Investigation	Single Family Dwelling	Bedroom	Undetermined	Undetermined
6/29/12	5:20	Camden City	Camden	15	Female	Under Investigation	Single Family Dwelling	Bedroom	Undetermined	Undetermined
7/20/12	1:41	City of Newark	Essex	44	Male	Under Investigation	Multifamily Dwelling	First Floor	Undetermined	Undetermined
7/20/12	1:41	City of Newark	Essex	18	Male	Under Investigation	Multifamily Dwelling	First Floor	Undetermined	Undetermined
7/20/12	1:41	City of Newark	Essex	5	Female	Under Investigation	Multifamily Dwelling	First Floor	Undetermined	Undetermined
7/20/12	1:41	City of Newark	Essex	3	Male	Under Investigation	Multifamily Dwelling	First Floor	Undetermined	Undetermined
7/20/12	1:41	City of Newark	Essex	2	Female	Under Investigation	Multifamily Dwelling	First Floor	Undetermined	Undetermined
7/25/12	6:41	Paterson	Passaic	76	Female	Under Investigation	Multifamily Dwelling	Living Room	Present	Did Not Operate
7/25/12	6:41	Paterson	Passaic	23	Female	Under Investigation	Multifamily Dwelling	Living Room	Present	Did Not Operate
7/25/12	6:41	Paterson	Passaic	19	Female	Under Investigation	Multifamily Dwelling	Living Room	Present	Did Not Operate
11/2/12	6:10	Willingboro Twp.	Burlington	70	Male	Electrical Malfunction	Single Family Dwelling	Living Room	None Present	Not Applicable
11/2/12	6:10	Willingboro Twp.	Burlington	72	Female	Electrical Malfunction	Single Family Dwelling	Living Room	None Present	Not Applicable
11/3/12	2:47	Middlesex Borugh	Middlesex	78	Female	Candles	Single Family Dwelling	Bedroom	Present	Did Not Operate
11/3/12	2:47	Middlesex Borugh	Middlesex	57	Male	Candles	Single Family Dwelling	Bedroom	Present	Did Not Operate
11/17/12	5:22	Ridgefield	Bergen	55	Female	Under Investigation	Single Family Dwelling	Undetermined	Present	Operated
11/17/12	5:22	Ridgefield	Bergen	14	Male	Under Investigation	Single Family Dwelling	Undetermined	Present	Operated
11/25/12	14:54	Bordentown City	Burlington	66	Female	Discarded Smoking Materials	Two Family Dwelling	Living Room	None Present	Not Applicable
11/25/12	14:54	Bordentown City	Burlington	63	Male	Discarded Smoking Materials	Two Family Dwelling	Living Room	None Present	Not Applicable
12/18/12	19:17	Scotch Plains	Union	32	Female	Homicide/Suicide	Two Family Dwelling	Bedroom	Undetermined	Undetermined
12/18/12	19:17	Scotch Plains	Union	3	Male	Homicide/Suicide	Two Family Dwelling	Bedroom	Undetermined	Undetermined

CIVILIAN FIRE FATALITIES



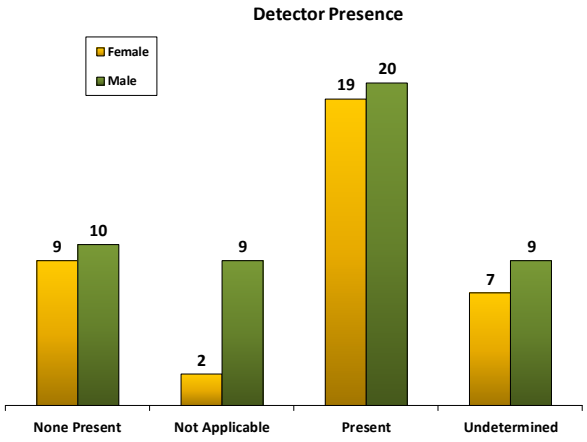


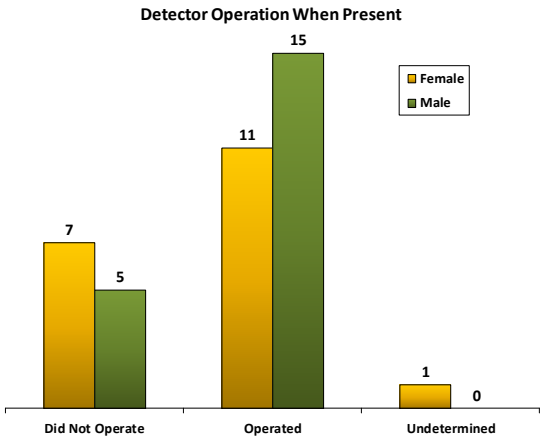


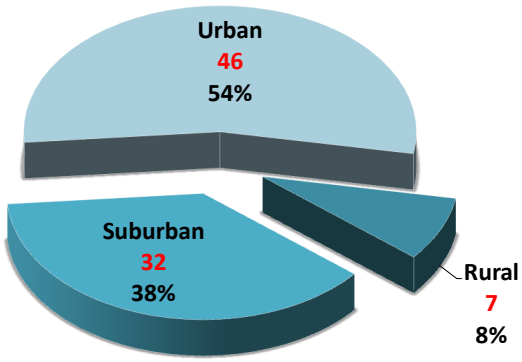
Specific Causes Of Fires By Room Of Origin In Residential Property Uses

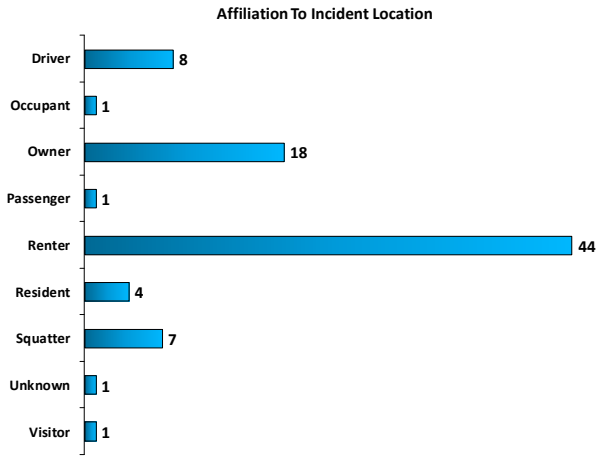
Cause of Fire	Basement	Bedroom	Den	Dining Room	Enclosed Porch	First Floor	Front Porch	Front Yard	Kitchen	Living Room	Studio Apartment	Undetermined	Total
Candles		4							1				5
Careless Smoking		3	1				1		1	5	1		12
Careless Smoking While On Oxygen										2			2
Clothing Caught Fire On Stove									1				1
Discarded Smoking Materials										2			2
Electrical Malfunction	1	1			1					4			7
Homicide/Suicide		2											2
Incendiary										2			2
Intentional	1	1											2
Intoxicated Victim Fell Onto Stove While Cooking									1				1
Suicide								1					1
Unattended Cooking									3				3
Under Investigation	2	5				6			7	8		2	30
Undetermined		1		1					1	1		1	5
Total	**4**	**17**	**1**	**1**	**1**	**6**	**1**	**1**	**15**	**24**	**1**	**3**	**75**

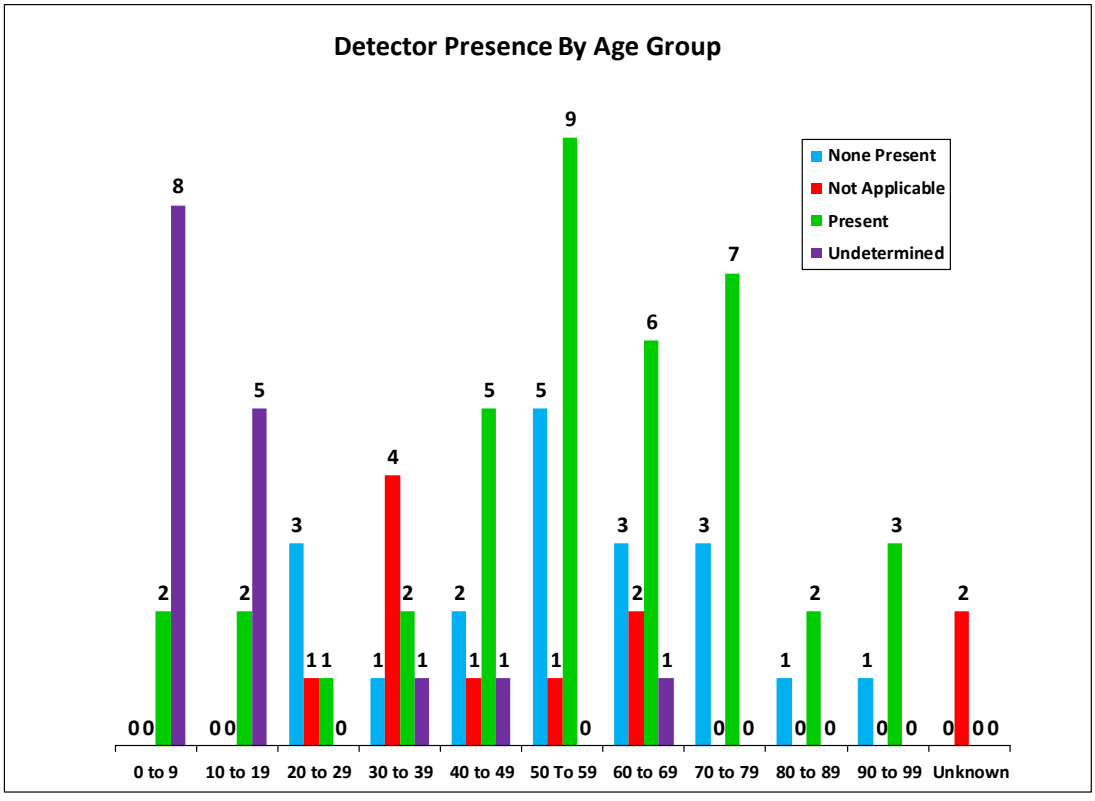
CIVILIAN FIRE FATALITIES







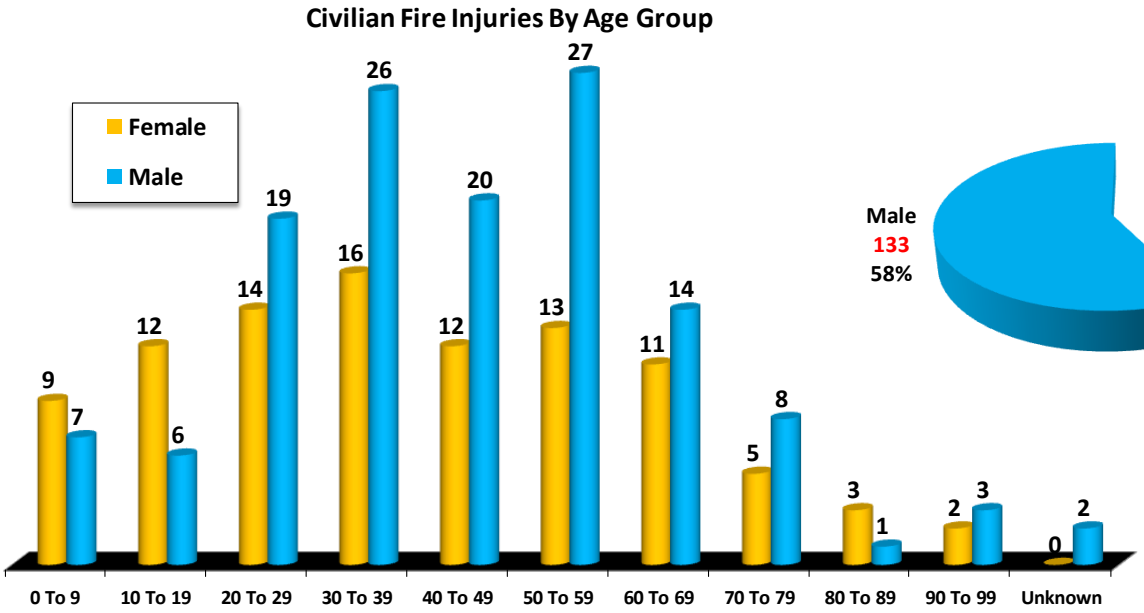


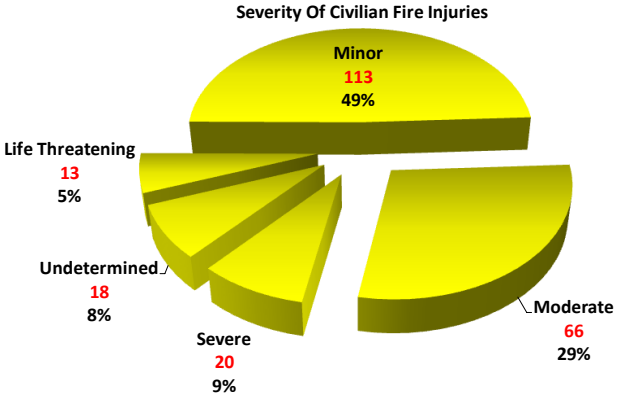


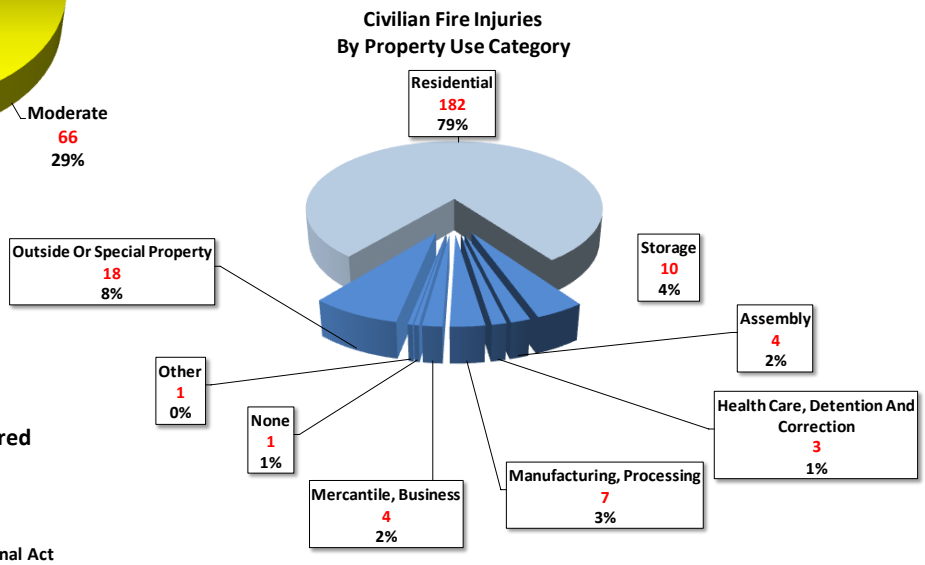
CIVILIANS WHO LOST THEIR LIVES DUE TO FIRE

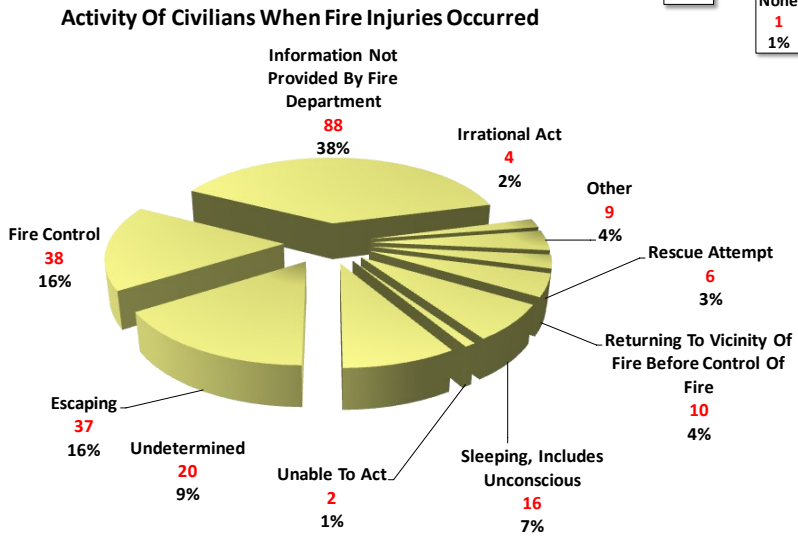
Date	Municipality	County	Age	Gender	Name
1/6/12	Hackensack	Bergen	66	Male	John Mangini
1/7/12	Margate City	Atlantic	75	Male	Ralph Spinosi
1/7/12	Margate City	Atlantic	69	Female	Jessica Spinosi
1/11/12	Milltown	Middlesex	75	Female	Irene Kennedy
1/15/12	Roselle Borough	Union	64	Male	Albert Stapperfenne
1/18/12	Jersey City	Hudson	44	Male	James Fuller
1/18/12	Palermo	Cape May	50	Male	Henry Peech
1/18/12	Union City	Hudson	55	Male	Evaristo Guerra -Buxadera
1/19/12	Metuchen	Middlesex	56	Male	Robert B. Ness
1/28/12	Lakewood	Ocean	Unknown	Male	Unknown
2/7/12	Mantua	Gloucester	40	Female	Michelle Ledrich
2/16/12	Old Bridge	Middlesex	54	Female	Flora Ng
2/23/12	South Plainfield	Middlesex	62	Female	Ann Jefferson
2/23/12	South Plainfield	Middlesex	12	Female	Alizae Jefferson
2/23/12	South Plainfield	Middlesex	7	Male	Tyler Davis
2/23/12	South Plainfield	Middlesex	5	Male	Chris Jefferson
2/23/12	South Plainfield	Middlesex	2	Male	Elijah Taylor
2/25/12	Paterson	Passaic	39	Male	Michael Brown
2/27/12	Oakland	Bergen	72	Male	Carmine Della Bruna
3/2/12	Camden City	Camden	49	Male	Paul Johnson
3/5/12	Lower Township	Cape May	46	Female	Laura J. Sincoskie
3/5/12	Plainfield	Union	28	Male	Antolin Maldonado
3/10/12	Palisades Park	Bergen	69	Male	Father James F. Reilly
3/10/12	Camden City	Camden	28	Male	Charles Thorpe
3/10/12	Camden City	Camden	20	Female	Rose Ruggeri
3/20/12	Woodbridge	Middlesex	60	Female	Elvira Bustin
3/22/12	Edison	Middlesex	95	Male	Rudolph Haasz
3/24/12	Paterson	Passaic	35	Male	Rodney Francis
3/27/12	Keansburg	Monmouth	46	Female	Patricia Ann Laird
3/31/12	Stratford	Camden	27	Female	Alea Morrow
4/1/12	Brookside	Morris	65	Male	John Beck
4/5/12	Holland	Hunterdon	81	Female	Virginia Moll
4/5/12	Netcong	Morris	77	Male	Vincent D. Regan
4/7/12	Washington	Gloucester	56	Female	Darlene J. Starett
4/8/12	Florence	Burlington	8	Female	Kayla Macario
4/8/12	Florence	Burlington	53	Female	Darlene Weir
4/9/12	Bridgeton	Cumberland	13	Female	Destiny Smith
5/13/12	Mays Landing	Atlantic	43	Male	Robert Turchi
5/20/12	Paterson	Passaic	90	Female	Mae Munsinger
5/20/12	Brick	Ocean	85	Female	Marilyn Rohan
5/26/12	Camden City	Camden	1	Male	Dantae Brown
6/3/12	East Orange	Essex	55	Female	Willie Springfield
6/3/12	East Orange	Essex	3	Male	Shaquan Brown
6/11/12	Springfield	Burlington	52	Male	Lawrence C. Metzger
6/26/12	Irvington	Essex	57	Male	Benjamin Vega
6/29/12	Camden City	Camden	15	Male	Kenneth Holmes, Jr.
6/29/12	Camden City	Camden	15	Female	Quanyrah Houston
6/29/12	Irvington	Essex	32	Female	Wahkia Simms
7/9/12	Elizabeth	Union	91	Female	Josephine DeCesare
7/10/12	Audubon Boro	Camden	52	Female	Tina Vattese
7/20/12	Newark	Essex	44	Male	Shelton Freeman
7/20/12	Newark	Essex	18	Male	Nazeer Blackston
7/20/12	Newark	Essex	5	Female	Angelica Williams
7/20/12	Newark	Essex	3	Male	Jevens Joseph
7/20/12	Newark	Essex	2	Female	Jevena Joseph
7/24/12	South Harrison	Gloucester	53	Male	Bruce Vobelei
7/25/12	Paterson	Passaic	76	Female	Maria Velarde
7/25/12	Paterson	Passaic	23	Female	Alexandra Velarde
7/25/12	Paterson	Passaic	19	Female	Christian Velarde
7/27/12	Florence	Burlington	39	Female	Mitalbahe H. Patel
7/28/12	Hasbrouck Heights	Bergen	38	Male	Jean G. Sanon
8/1/12	Jersey City	Hudson	37	Male	Lee Aciares
8/1/12	Franklin Township	Gloucester	Unknown	Male	Unknown
9/1/12	Union Township	Hunterdon	73	Female	Noreen Castellano
9/8/12	Berkeley	Ocean	70	Male	Joseph A. Lasko
9/11/12	East Windsor	Mercer	33	Male	Phillip A. Frey
9/25/12	Cape May	Cape May	55	Male	Erik Watson
10/3/12	Robbinsville	Mercer	60	Male	Angel Valverde
11/2/12	Willingboro	Burlington	70	Male	Edwin Jordan
11/2/12	Willingboro	Burlington	72	Female	Charlene Jordan
11/3/12	Middlesex Borough	Middlesex	78	Female	Margret Priddy
11/3/12	Middlesex Borough	Middlesex	57	Male	Lawrence Priddy
11/5/12	Jersey City	Hudson	80	Male	Walter Highsmith
11/17/12	Ridgefield	Bergen	55	Female	Jeralyn Scibetta
11/17/12	Ridgefield	Bergen	14	Male	Daniel Scibetta
11/20/12	Jersey City	Hudson	90	Female	Lillie Graham
11/25/12	Bordentown City	Burlington	66	Female	Katherine Jernegan
11/25/12	Bordentown City	Burlington	63	Male	Joseph Coppola
11/29/12	Upper Freehold	Monmouth	42	Male	David Ulllrich
12/1/12	Lakewood	Ocean	41	Male	Luis Armando Garcia-Juarez
12/7/12	Adelphia	Monmouth	62	Male	Jose J. Soto
12/13/12	Paterson	Passaic	61	Male	Melvin Campbell
12/18/12	Scotch Plains	Union	32	Female	Katherine Halverson
12/18/12	Scotch Plains	Union	3	Male	Jeremy McDonald, Jr.
12/24/12	South River	Middlesex	56	Female	Debra M. Kazer

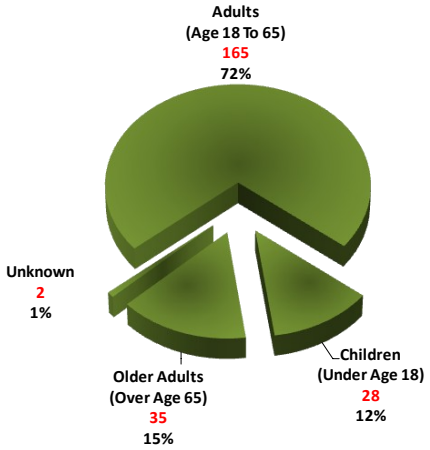
CIVILIAN FIRE INJURIES

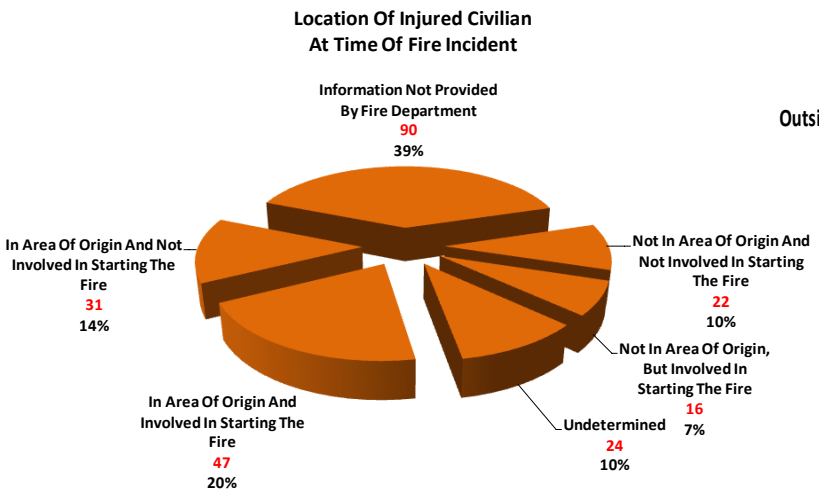




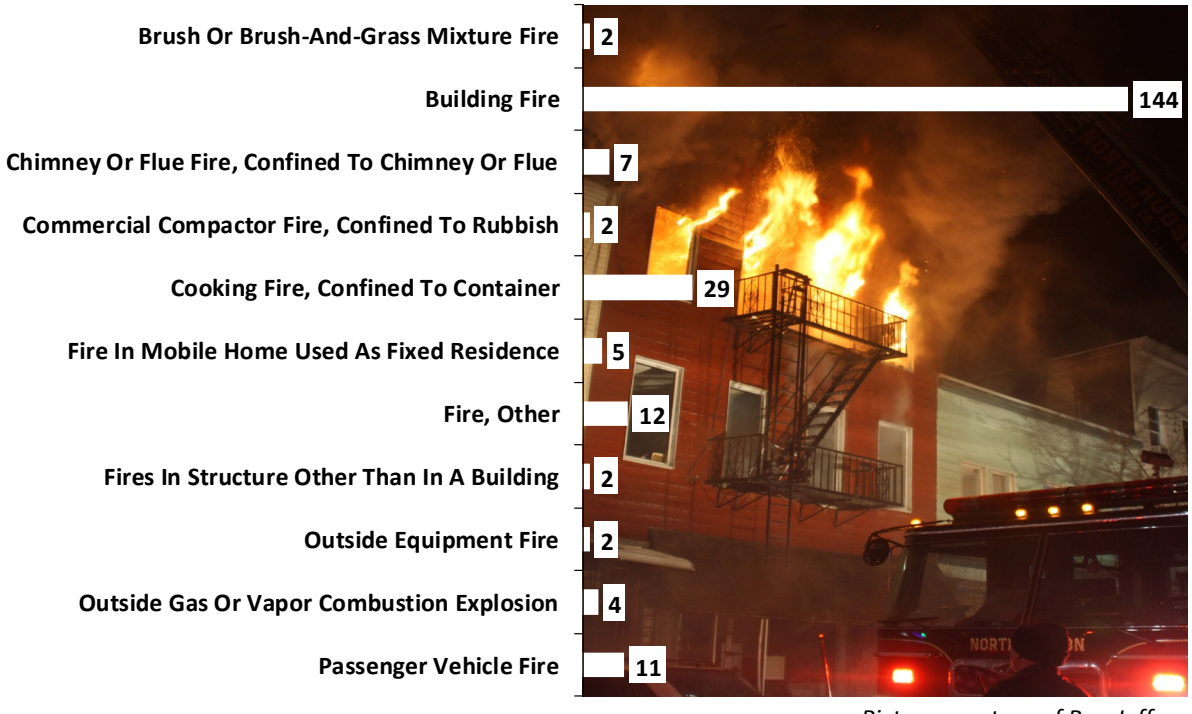






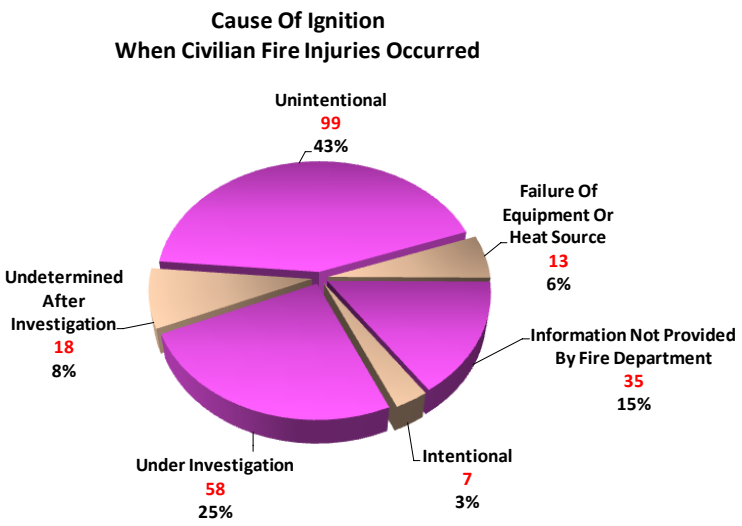


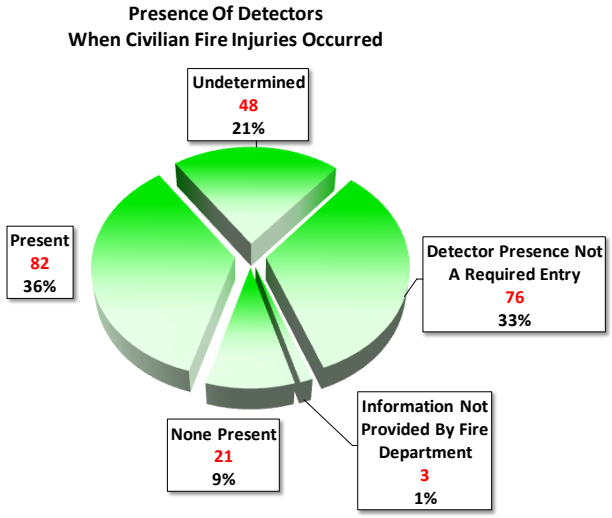
Picture courtesy of Bill Tompkins

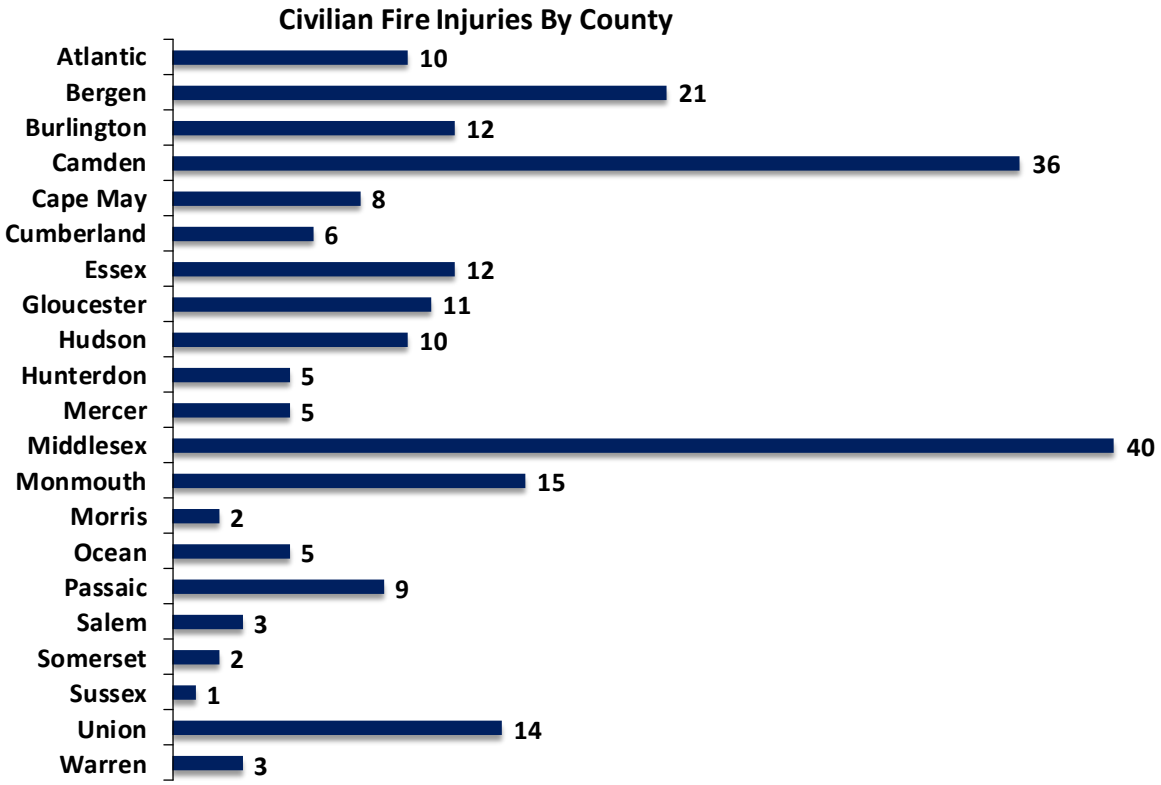


Picture courtesy of Ron Jeffers

CIVILIAN FIRE INJURIES



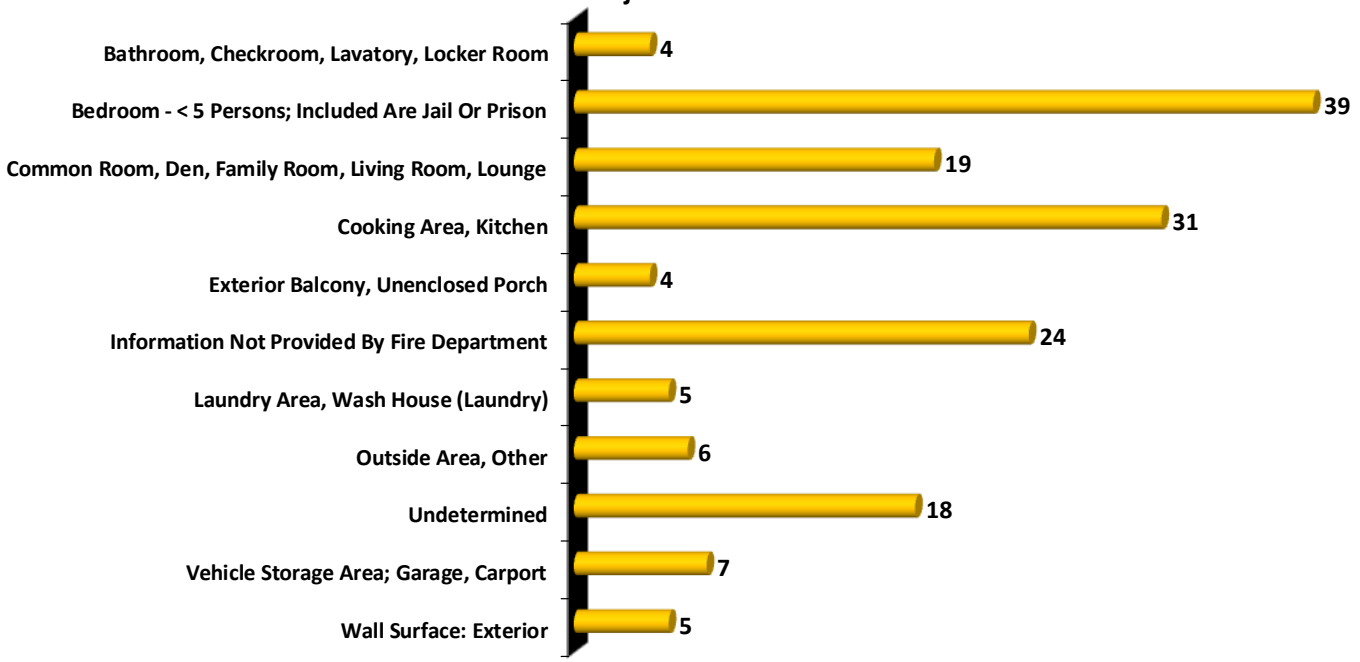




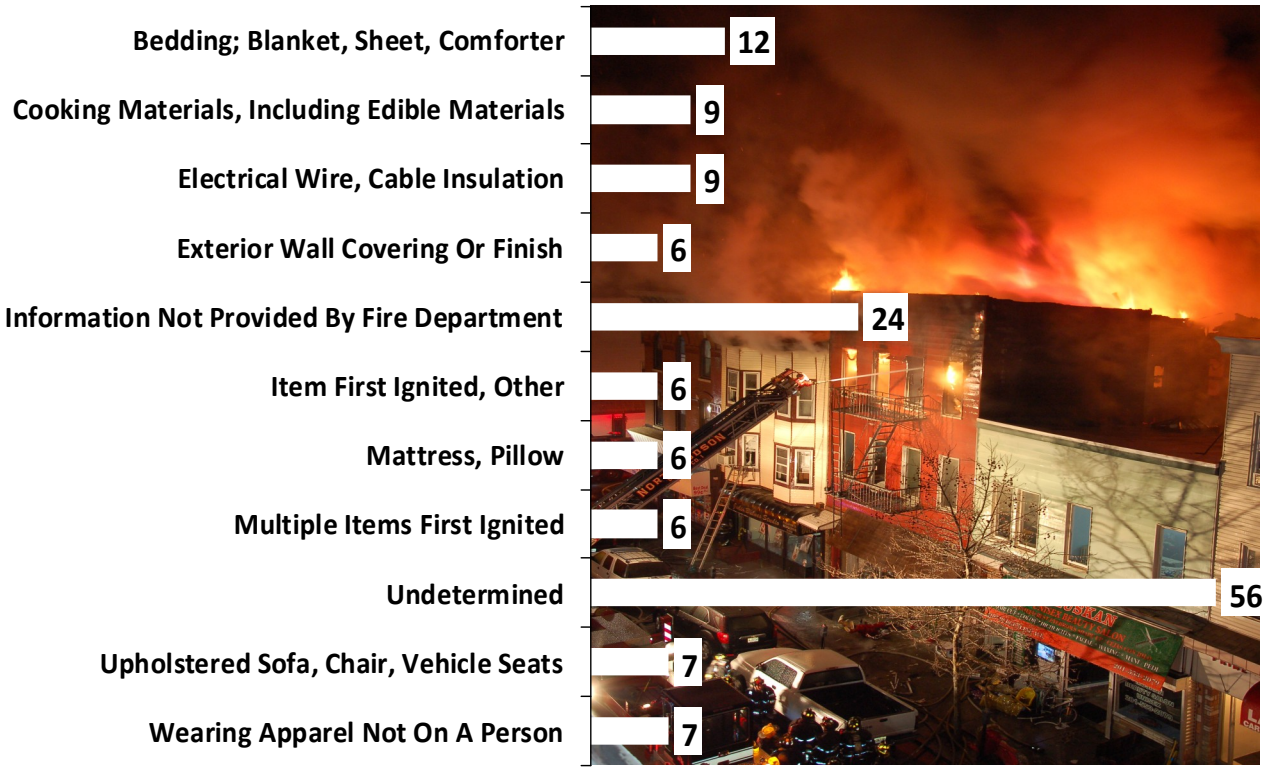
Structure Type	
Enclosed Building	**149**
Information Not Provided By Fire Department	1
Open Structure	1
Other	1
Portable Or Mobile Structure	2
Structure Type Not A Required Entry	75
Tent	1
Total Civilian Fire Injuries	**230**

Building Status Of Enclosed Buildings	
Illegal Residential Conversion	2
Occupied And Operating	142
Other	1
Under Construction	1
Vacant And Unsecured	3
Total Civilian Fire Injuries	**149**

Most Frequent Area Of Fire Origin In Residential Property Uses When Civilian Fire Injuries Occurred



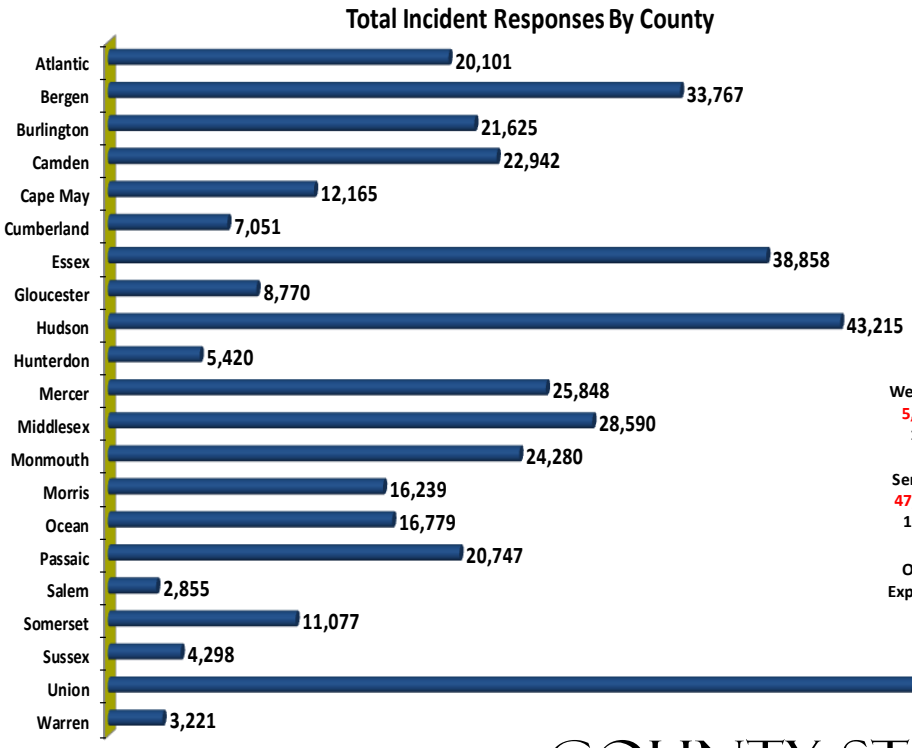
Most Frequent Item First Ignited In Residential Property Uses When Civilian Fire Injuries Occurred

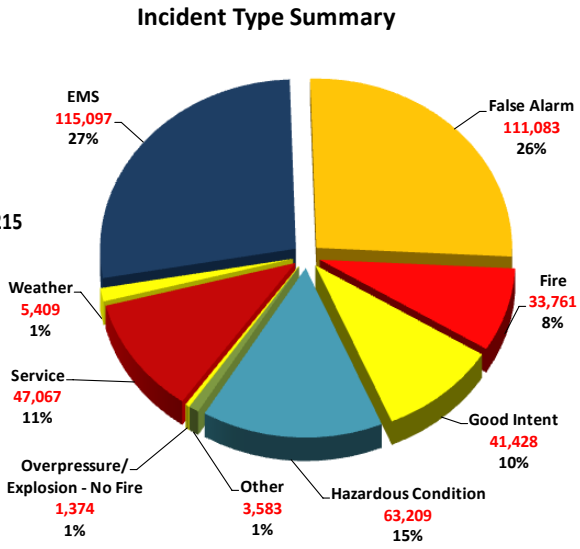


Picture courtesy of Bill Tompkins

FIRE DEPARTMENT RESPONSES

The charts on this page represent the number of incidents that fire departments responded to in 2012. Totals include "aid given" and "aid received" incidents.





COUNTY STATS

	LAND AREA, SQUARE MILES	NUMBER OF FIRE DEPARTMENTS	POPULATION*	NUMBER OF REPORTING FIRE DEPARTMENTS	POPULATION COVERED BY REPORTING FIRE DEPARTMENTS	TOTAL FIRES	FIRE RATE
Atlantic	561.07	42	274,549	37	256,456	983	3.8
Bergen	234.17	70	905,116	67	870,354	2,068	2.4
Burlington	804.57	46	448,734	41	427,762	1,186	2.8
Camden	222.30	40	513,657	37	500,694	1,755	3.5
Cape May	255.19	26	97,265	26	97,265	428	4.4
Cumberland	489.30	22	156,898	19	153,852	581	3.8
Essex	126.27	21	783,969	21	783,969	2,345	3.0
Gloucester	324.72	34	288,288	31	280,644	582	2.1
Hudson	46.69	8	634,266	8	634,266	2,273	3.6
Hunterdon	429.94	27	128,349	25	124,877	329	2.6
Mercer	225.93	27	366,513	26	352,930	1,514	4.3
Middlesex	309.72	48	809,858	42	722,335	2,055	2.8
Monmouth	471.94	69	630,380	66	616,101	1,754	2.8
Morris	468.99	54	492,276	50	445,086	878	2.0
Ocean	636.28	47	576,567	39	493,759	1,359	2.8
Passaic	185.29	23	501,226	22	492,908	1,674	3.4
Salem	337.88	19	66,083	19	66,083	186	2.8
Somerset	304.69	36	323,444	29	272,205	473	1.7
Sussex	521.26	27	149,265	26	134,118	370	2.8
Union	103.29	21	536,499	21	536,499	1,686	3.1
Warren	357.87	22	108,692	18	93,090	241	2.6
TOTAL	**7,417.36**	**729**	**8,791,894**	**670**	**8,355,253**	**24,720**	

*** Figures based on the 2010 U.S. Census**

PLEASE NOTE: Fire rate is based upon the number of fires in each county per 1,000 people of reporting departments. It does not include "aid given" incidents or "exposures".

INCIDENT RESPONSES BY COUNTY

Sussex County
Population: 149,265
26 of **27** fire departments submitted data.
4,298 responses were made to
3,250 incidents.

Morris County
Population: 492,276
50 of **54** fire departments submitted data.
16,239 responses were made to
13,031 incidents.

Passaic County
Population: 501,226
22 of **23** fire departments submitted data.
20,728 responses were made to
19,628 incidents.

Warren County
Population: 108,692
18 of **22** fire departments submitted data.
3,220 responses were made to
2,576 incidents.

Hunterdon County
Population: 128,349
25 of **27** fire departments submitted data.
5,420 responses were made to
3,338 incidents.

Somerset County
Population: 323,444
29 of **36** fire departments submitted data.
11,075 responses were made to
7,769 incidents.

Mercer County
Population: 366,513
26 of **27** fire departments submitted data.
25,845 responses were made to
19,261 incidents.

Burlington County
Population: 448,734
41 of **46** fire departments submitted data.
21,612 responses were made to
15,689 incidents.

Camden County
Population: 513,657
37 of **40** fire departments submitted data.
22,855 responses were made to
18,603 incidents.

Gloucester County
Population: 288,288
31 of **34** fire departments submitted data.
8,766 responses were made to
6,377 incidents.

Bergen County
Population: 905,116
67 of **70** fire departments submitted data.
33,765 responses were made to
32,037 incidents.

Hudson County
Population: 634,266
8 of **8** fire departments submitted data.
43,181 responses were made to
42,965 incidents.

Essex County
Population: 783,969
21 of **21** fire departments submitted data.
38,830 responses were made to
37,148 incidents.

Union County
Population: 536,499
21 of **21** fire departments submitted data.
54,127 responses were made to
52,474 incidents.

Middlesex County
Population: 809,858
42 of **48** fire departments submitted data.
28,553 responses were made to
25,552 incidents.

Monmouth County
Population: 630,380
66 of **69** fire departments submitted data.
24,277 responses were made to
21,335 incidents.

Ocean County
Population: 576,567
39 of **47** fire departments submitted data.
16,770 responses were made to
13,398 incidents.

Atlantic County
Population: 274,549
37 of **42** fire departments submitted data.
20,098 responses were made to
17,916 incidents.

Cape May County
Population: 97,265
26 of **26** fire departments submitted data.
12,152 responses were made to
11,289 incidents.

Salem County
Population: 66,083
19 of **19** fire departments submitted data.
2,852 responses were made to
1,271 incidents.

Cumberland County
Population: 156,898
19 of **22** fire departments submitted data.
7,046 responses were made to
5,960 incidents.

FIRE INCIDENT RESPONSES BY MONTH

ALL FIRES BY CATEGORY

Month	Cultivated Vegetation, Crop Fire	Mobile Property (Vehicle) Fire	Natural Vegetation Fire	Outside Rubbish Fire	Special Outside Fire	Structure Fire	Total
January	2	211	149	209	27	1,370	**1,968**
February		189	217	304	21	1,271	**2,002**
March	5	228	532	347	35	1,312	**2,459**
April	7	217	1,335	498	86	1,324	**3,467**
May	2	222	189	243	40	1,069	**1,765**
June	3	237	285	291	60	1,070	**1,946**
July	3	247	539	344	84	1,044	**2,261**
August		192	156	216	46	904	**1,514**
September	1	174	143	222	29	1,012	**1,581**
October	2	227	102	154	50	1,424	**1,959**
November	2	209	270	227	55	1,391	**2,154**
December		169	81	125	17	1,252	**1,644**
Total	**27**	**2,522**	**3,998**	**3,180**	**550**	**14,443**	**24,720**

CONFINED FIRES

Month	Chimney Or Flue Fire, Confined To Chimney Or Flue	Commercial Compactor Fire, Confined To Rubbish	Cooking Fire, Confined To Container	Fuel Burner/Boiler Malfunction, Fire Confined	Incinerator Overload Or Malfunction, Fire Confined	Trash Or Rubbish Fire, Contained	Total
January	86	4	771	128		72	**1,061**
February	91	3	744	81	3	79	**1,001**
March	57	5	773	51	3	99	**988**
April	35	7	767	45		117	**971**
May	11	2	744	21	2	68	**848**
June	5	1	657	23		76	**762**
July	3	2	649	19	1	101	**775**
August	8	1	626	7	3	55	**700**
September	7	1	689	21	2	73	**793**
October	50		807	71	3	60	**991**
November	109	1	731	108	3	91	**1,043**
December	65	3	765	89	4	63	**989**
Total	**527**	**30**	**8,723**	**664**	**24**	**954**	**10,922**

STRUCTURE FIRES BY PROPERTY TYPE

Month	Assembly	Educational	Health Care, Detention And Correction	Industrial, Utility, Defense, Agriculture, Mining	Information Not Provided By Fire Department	Manufacturing, Processing	Mercantile, Business	None	Other	Outside Or Special Property	Residential	Storage	Undetermined	Total
January	49	23	42	5		6	64	2	2	33	1,115	15	14	**1,370**
February	53	29	45			4	57	3	5	30	1,012	19	14	**1,271**
March	61	53	35	6		6	66	5	3	42	1,004	21	10	**1,312**
April	53	23	29	3		5	68	6	3	76	1,038	17	3	**1,324**
May	38	21	26	2		4	46	2		37	879	8	6	**1,069**
June	50	20	23	4		8	44	3	11	46	840	15	6	**1,070**
July	47	13	25	1		6	43	3	3	66	814	21	2	**1,044**
August	42	11	22	1		4	47	4		32	721	15	5	**904**
September	35	14	23	3	2	1	45	5	4	43	816	14	7	**1,012**
October	43	24	30	3		8	53	7	4	61	1,171	17	3	**1,424**
November	40	18	37	3		9	72	3	2	57	1,131	16	3	**1,391**
December	44	23	28	3		7	46	3	3	24	1,049	18	4	**1,252**
Total	**555**	**272**	**365**	**34**	**2**	**68**	**651**	**46**	**40**	**547**	**11,590**	**196**	**77**	**14,443**

CONFINED FIRES BY PROPERTY TYPE

Month	Assembly	Educational	Health Care, Detention And Correction	Industrial, Utility, Defense, Agriculture, Mining	Manufacturing, Processing	Mercantile, Business	None	Other	Outside Or Special Property	Residential	Storage	Undetermined	Total
January	39	20	37	4	3	53	2		26	861	3	13	**1,061**
February	41	23	43		2	41	1	1	24	809	4	12	**1,001**
March	51	47	31	5	2	48	2	1	25	761	6	9	**988**
April	40	21	26		4	44	3	3	52	773	3	2	**971**
May	32	18	25	2	2	39	1		26	697	1	5	**848**
June	35	17	19	3	3	32	2		22	619	5	5	**762**
July	35	10	23		4	29	1	2	50	612	7	2	**775**
August	35	10	20		2	31	1		23	571	3	4	**700**
September	27	12	21		1	29	1	1	35	659	2	5	**793**
October	36	19	26		4	36	1		24	838	4	3	**991**
November	32	14	30	1	3	50	1	1	27	879	3	2	**1,043**
December	34	19	24	2	2	27	1	2	13	856	6	3	**989**
Total	**437**	**230**	**325**	**17**	**32**	**459**	**17**	**11**	**347**	**8,935**	**47**	**65**	**10,922**

FIRE INCIDENT RESPONSES BY MONTH

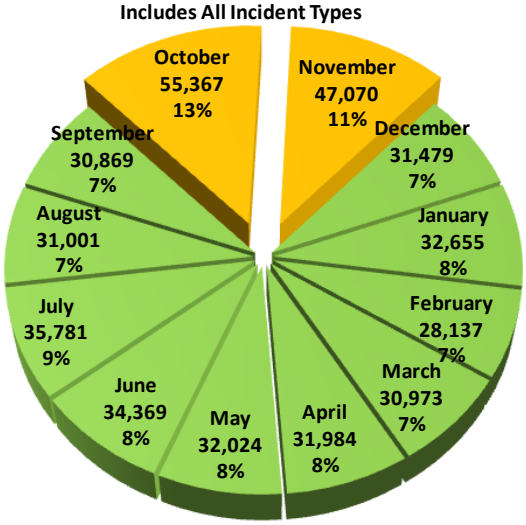
STRUCTURE FIRES BY SPECIFIC INCIDENT TYPE

Incident Type	January	February	March	April	May	June	July	August	September	October	November	December	Total
Building Fire	228	202	249	251	157	217	196	151	147	208	241	202	**2,449**
Chimney Or Flue Fire, Confined To Chimney Or Flue	86	91	57	35	11	5	3	8	7	50	109	65	**527**
Commercial Compactor Fire, Confined To Rubbish	4	3	5	7	2	1	2	1	1		1	3	**30**
Cooking Fire, Confined To Container	771	744	773	767	744	657	649	626	689	807	731	765	**8,723**
Fire In Mobile Home Used As Fixed Residence		3	2	2		1	2		1	1	1		**13**
Fire In Mobile Prop Used As A Fixed Struc, Other			2	2	1	1	1						**7**
Fire In Motor Home, Camper, Recreational Vehicle				1		1	1		1	1	1		**6**
Fire In Portable Building, Fixed Location			3	2					1	1	1		**8**
Fire, Other	70	55	56	76	48	69	55	49	61	199	79	54	**871**
Fires In Structure Other Than In A Building	11	10	12	19	15	19	14	4	8	23	25	7	**167**
Fuel Burner/Boiler Malfunction, Fire Confined	128	81	51	45	21	23	19	7	21	71	108	89	**664**
Incinerator Overload Or Malfunction, Fire Confined		3	3		2		1	3	2	3	3	4	**24**
Trash Or Rubbish Fire, Contained	72	79	99	117	68	76	101	55	73	60	91	63	**954**
Total	**1,370**	**1,271**	**1,312**	**1,324**	**1,069**	**1,070**	**1,044**	**904**	**1,012**	**1,424**	**1,391**	**1,252**	**14,443**

INCIDENTS IN OCTOBER AND NOVEMBER SPIKED DUE TO SUPERSTORM SANDY

Total Fire Department Responses By Month

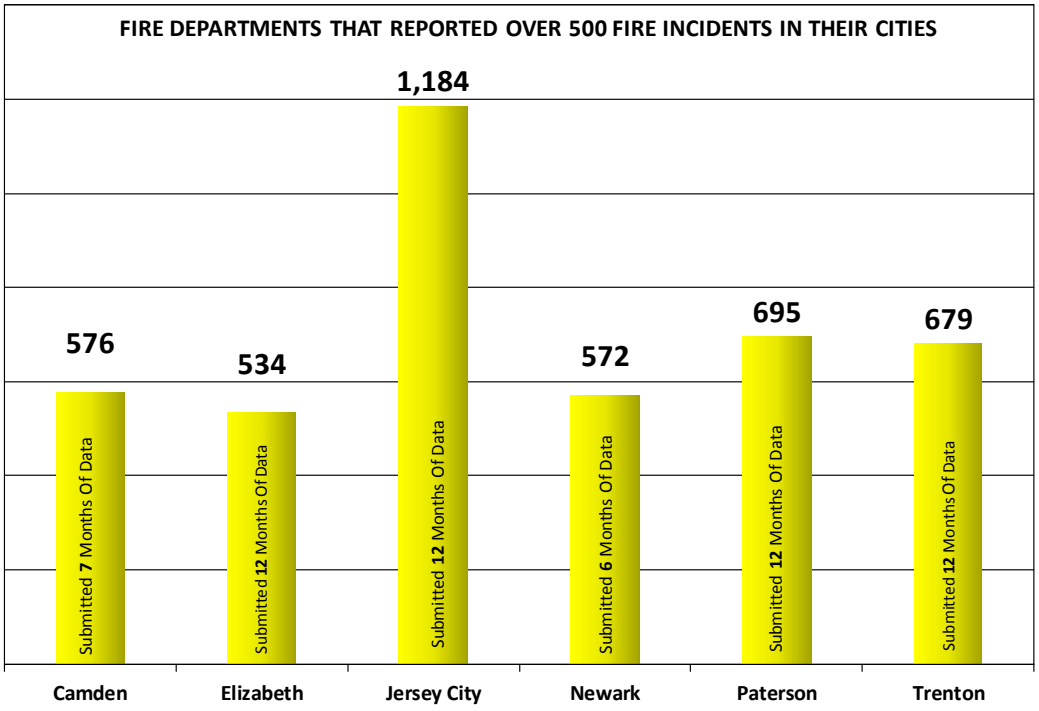
Includes All Incident Types



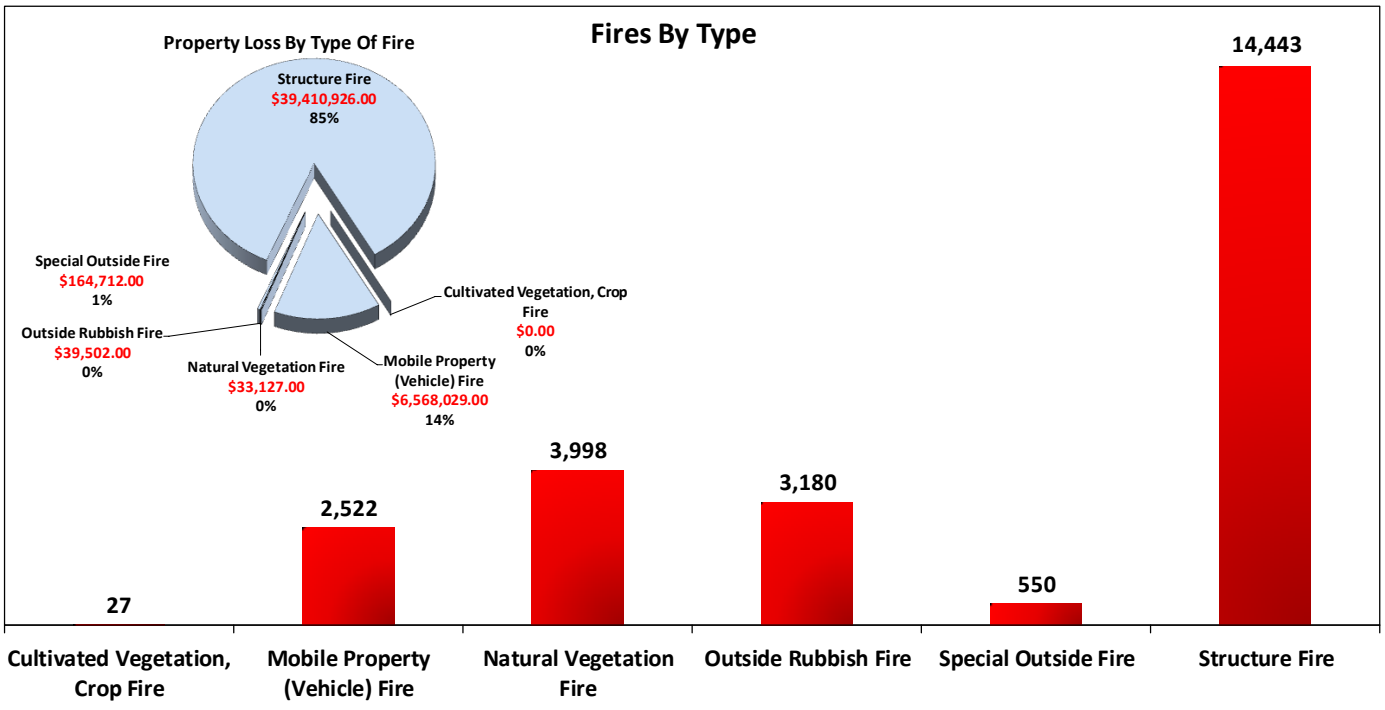
Picture courtesy of Blythe Long

Picture courtesy of Blythe Long

FIRE INCIDENTS



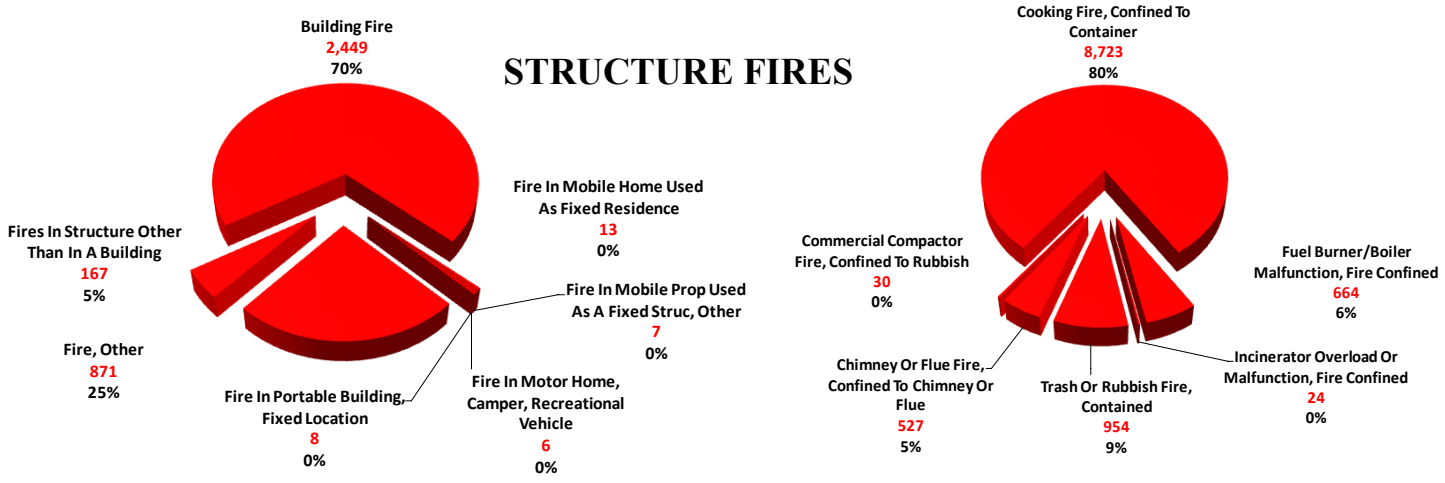
INCIDENT TYPES	2008 691 FIRE DEPARTMENTS SUBMITTED DATA	2009 687 FIRE DEPARTMENTS SUBMITTED DATA	2010 688 FIRE DEPARTMENTS SUBMITTED DATA	2011 682 FIRE DEPARTMENTS SUBMITTED DATA	2012 670 FIRE DEPARTMENTS SUBMITTED DATA
Structure Fires	17,664	17,447	16,477	15,291	14,443
Vehicle Fires	4,299	4,009	3,581	3,138	2,522
All Other Fires	11,977	8,169	10,783	7,119	7,755
TOTAL FIRES	**33,940**	**29,625**	**30,841**	**25,548**	**24,720**



FIRE INCIDENTS

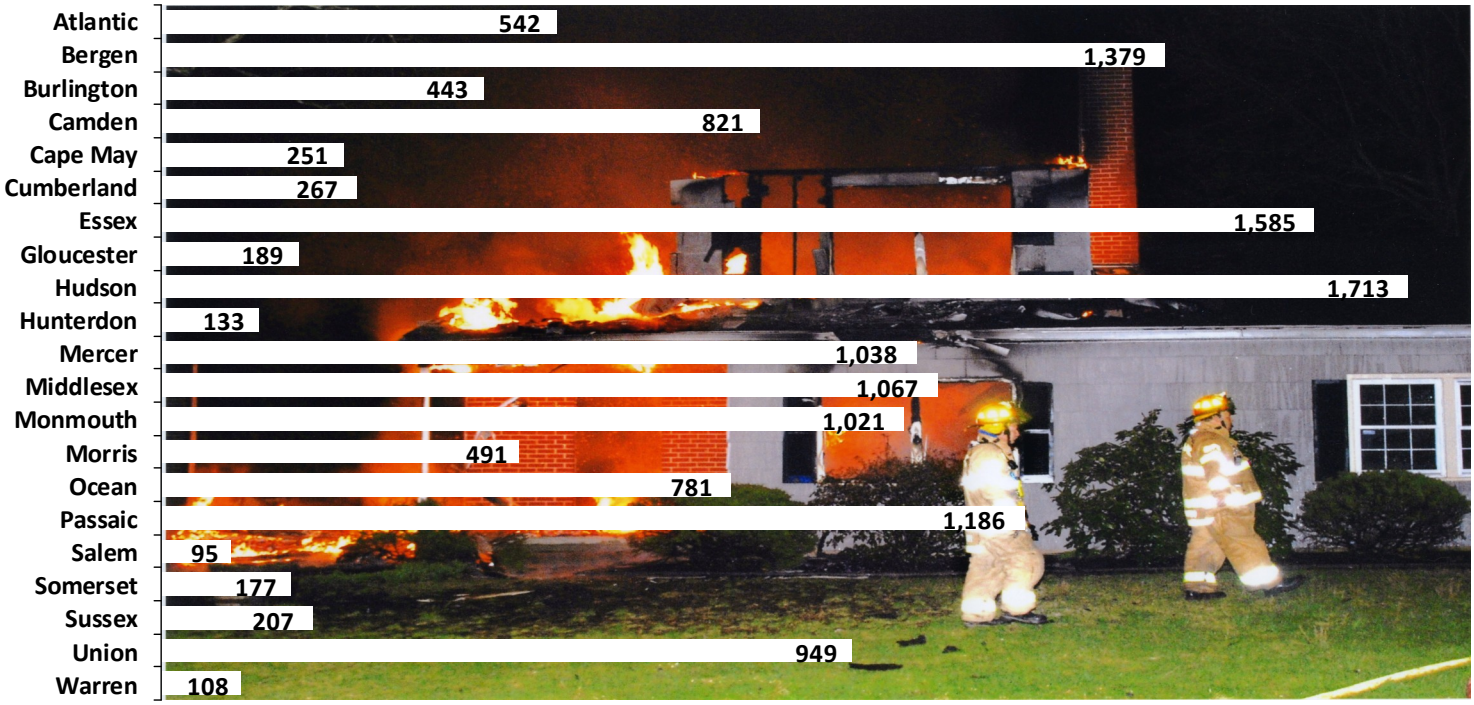
MONTH	TOTAL FIRES	FIRE SERVICE INJURIES	CIVILIAN FIRE FATALITIES	CIVILIAN FIRE INJURIES	PROPERTY LOSS	CONTENTS LOSS
January	1,968	41	10	26	$12,434,910.00	$1,945,235.00
February	2,002	27	9	20	$3,269,327.00	$856,146.00
March	2,459	26	11	33	$3,907,947.00	$2,072,189.00
April	3,467	40	7	23	$3,697,656.00	$1,359,890.00
May	1,765	36	4	21	$3,856,517.00	$889,704.00
June	1,946	40	7	20	$4,993,638.00	$1,110,188.00
July	2,261	29	13	19	$2,422,221.00	$606,926.00
August	1,514	27	2	10	$2,512,748.00	$943,890.00
September	1,581	30	4	13	$3,924,908.00	$1,138,390.00
October	1,959	53	1	18	$4,424,837.00	$1,198,795.00
November	2,154	21	11	19	$4,476,326.00	$1,300,711.00
December	1,644	28	6	8	$5,926,962.00	$2,651,300.00
TOTALS	**24,720**	**398**	**85**	**230**	**$55,847,997.00**	**$16,073,364.00**

STRUCTURE FIRES



Structure Fires By County

Picture courtesy of H.J. "Whitey" Swartz



Structure Fires By Property Type

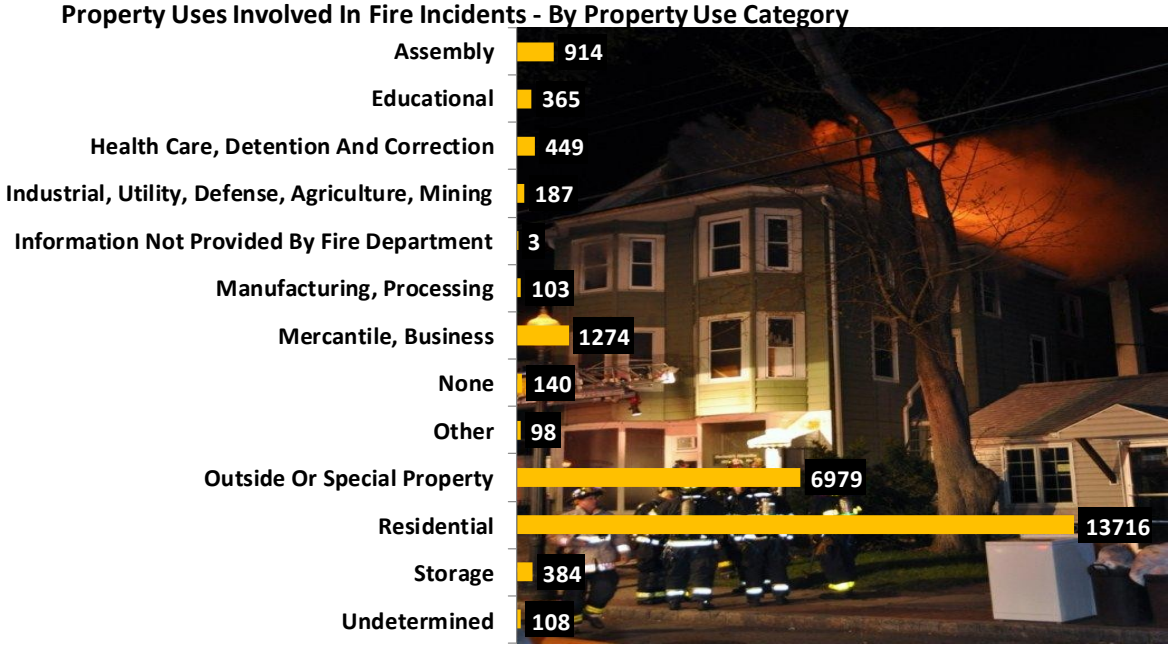
Structure Type	Total Fires	% Of Total	Property Loss	Contents Loss
Assembly	555	4%	$1,959,307.00	$627,693.00
Educational	272	2%	$1,020,963.00	$52,866.00
Health Care, Detention And Correction	365	3%	$148,186.00	$38,881.00
Industrial, Utility, Defense, Agriculture, Mining	34	0%	$255,350.00	$250.00
Information Not Provided By Fire Department	2	0%	$0.00	$0.00
Manufacturing, Processing	68	0%	$182,000.00	$195,000.00
Mercantile, Business	651	5%	$1,806,636.00	$1,388,949.00
None	46	0%	$0.00	$0.00
Other	40	0%	$500.00	$0.00
Outside Or Special Property	547	4%	$272,838.00	$33,403.00
Residential	11,590	**80%**	$32,506,845.00	$9,556,614.00
Storage	196	1%	$1,246,301.00	$1,369,001.00
Undetermined	77	1%	$12,000.00	$3,200.00
Total	**14,443**	**100%**	**$39,410,926.00**	**$13,265,857.00**

Residential Structure Fires

Incident Type	Total Fires	% Of Total	Property Loss	Contents Loss
Building Fire	1,985	17%	$32,061,266.00	$9,274,791.00
Chimney Or Flue Fire, Confined To Chimney Or Flue	493	4%	$27,512.00	$16,762.00
Commercial Compactor Fire, Confined To Rubbish	16	0%	$1,000.00	$0.00
Cooking Fire, Confined To Container	7,442	64%	$80,923.00	$94,565.00
Fire In Mobile Home Used As Fixed Residence	12	0%	$165,000.00	$56,000.00
Fire In Mobile Prop Used As A Fixed Struc, Other	2	0%	$0.00	$0.00
Fire In Motor Home, Camper, Recreational Vehicle	1	0%	$0.00	$0.00
Fire In Portable Building, Fixed Location	1	0%	$0.00	$0.00
Fire, Other	569	5%	$78,855.00	$22,436.00
Fires In Structure Other Than In A Building	85	1%	$74,450.00	$66,150.00
Fuel Burner/Boiler Malfunction, Fire Confined	580	5%	$8,605.00	$21,951.00
Incinerator Overload Or Malfunction, Fire Confined	15	0%	$500.00	$0.00
Trash Or Rubbish Fire, Contained	389	3%	$8,734.00	$3,959.00
Total	**11,590**	**99%**	**$32,506,845.00**	**$9,556,614.00**

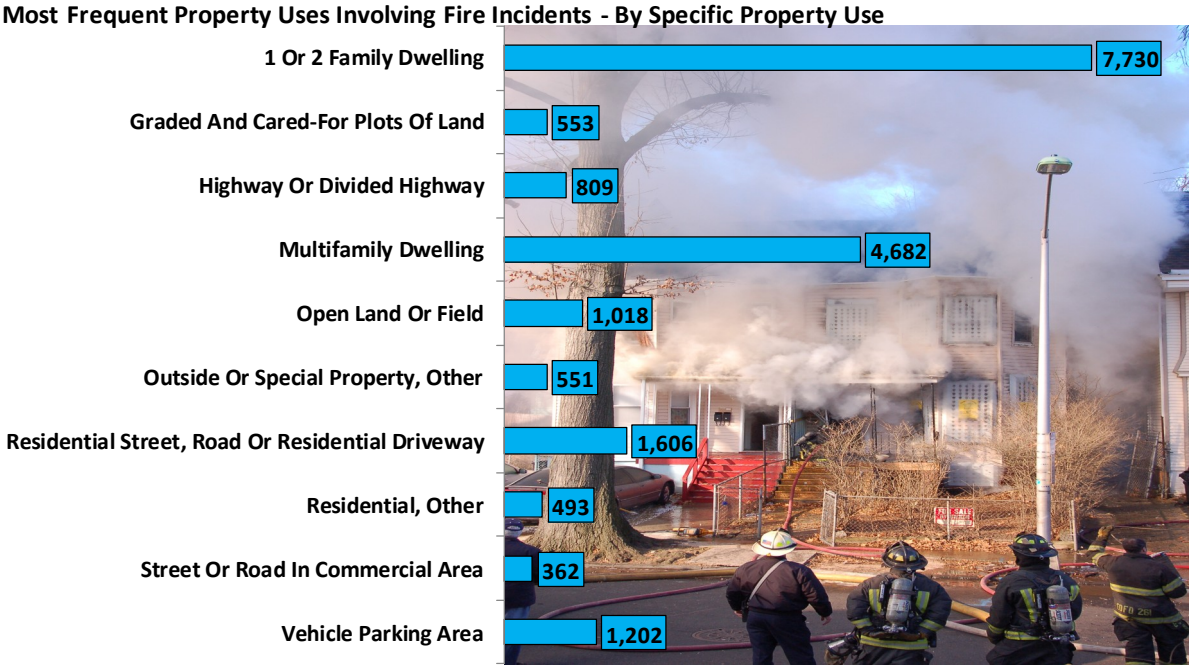
Property Use Category	Cultivated Vegetation, Crop Fire	Mobile Property (Vehicle) Fire	Natural Vegetation Fire	Outside Rubbish Fire	Special Outside Fire	Structure Fire	Total
Assembly	2	25	139	170	23	555	**914**
Educational		9	32	49	3	272	**365**
Health Care, Detention And Correction		14	48	20	2	365	**449**
Industrial, Utility, Defense, Agriculture, Mining	2	10	109	16	16	34	**187**
Information Not Provided By Fire Department		1				2	**3**
Manufacturing, Processing		8	8	16	3	68	**103**
Mercantile, Business	2	125	281	192	23	651	**1,274**
None		33	26	33	2	46	**140**
Other		13	21	17	7	40	**98**
Outside Or Special Property	19	2,086	2,527	1,600	200	547	**6,979**
Residential	2	136	756	989	243	11,590	**13,716**
Storage		55	36	69	28	196	**384**
Undetermined		7	15	9		77	**108**
Total	**27**	**2,522**	**3,998**	**3,180**	**550**	**14,443**	**24,720**

Property Uses Involved In Fire Incidents - By Property Use Category



Picture courtesy of Jackie Pellek

Most Frequent Property Uses Involving Fire Incidents - By Specific Property Use

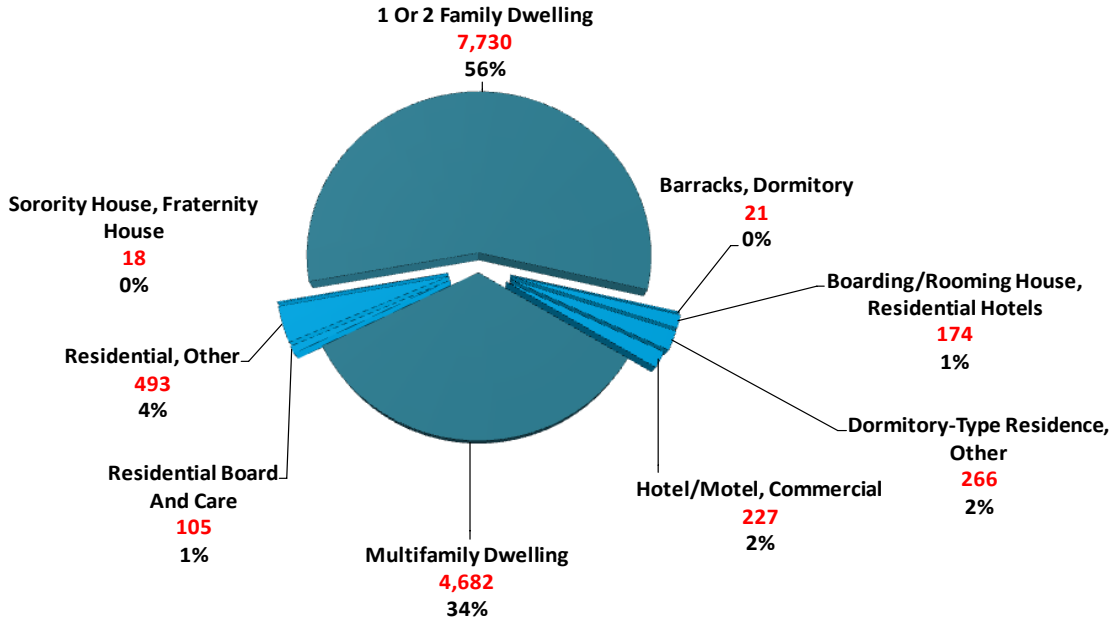


Picture courtesy of Bill Tompkins

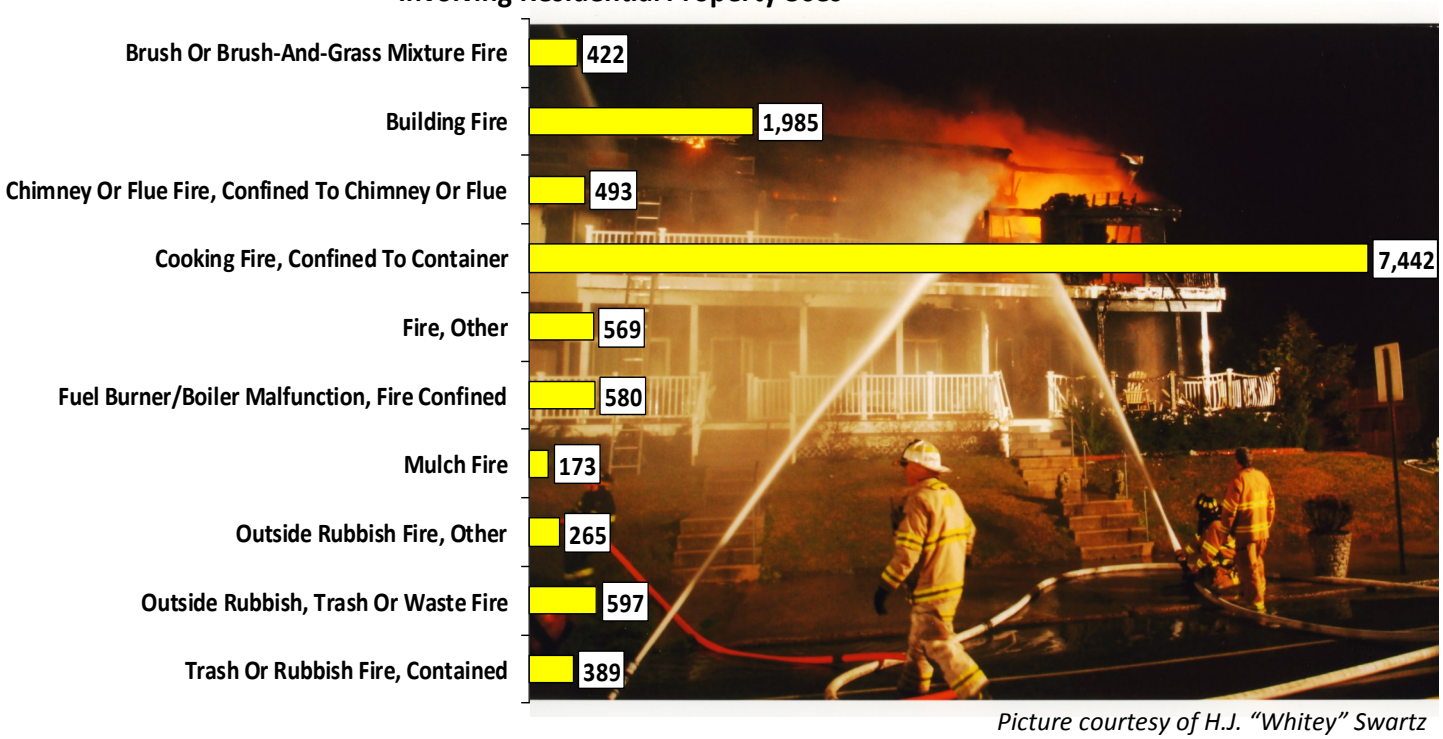
Structure Type Of Structure Fires	Total
Air-Supported Structure	1
Connective Structure	46
Enclosed Building	2,521
Information Not Provided By Fire Department	12
Open Platform	5
Open Structure	32
Other	99
Portable Or Mobile Structure	35
Structure Type Not A Required Entry	21,962
Tent	5
Underground Structure Work Areas	2
Total	**24,720**

Status Of Enclosed Building Fires	Total
Being Demolished	4
Idle, Not Routinely Used	26
Illegal Residential Conversion	8
Occupied And Operating	2,114
Other	48
Overcrowding	1
Under Construction	29
Under Major Renovation	16
Undetermined	59
Vacant And Secured	92
Vacant And Unsecured	124
Total	**2,521**

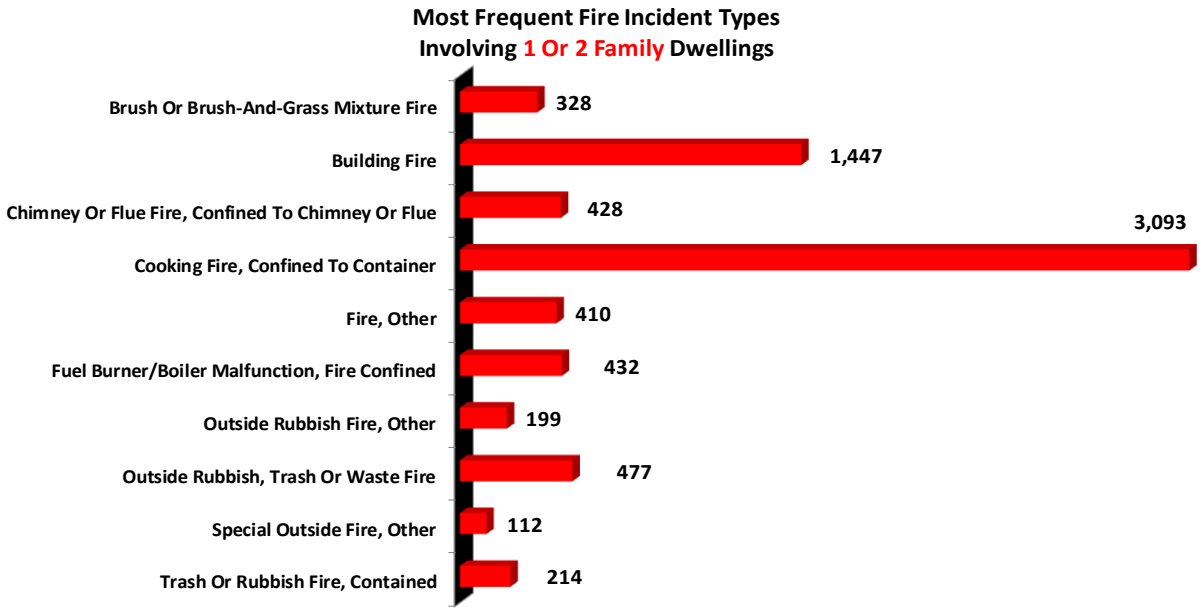
Residential Property Use Fires

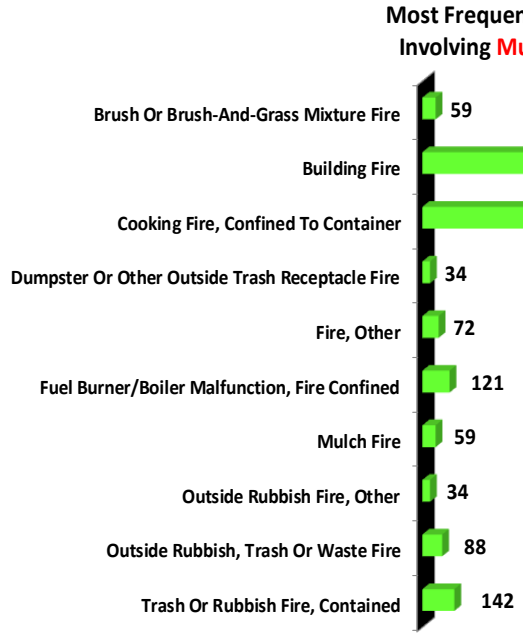


Most Frequent Fire Incident Types Involving Residential Property Uses



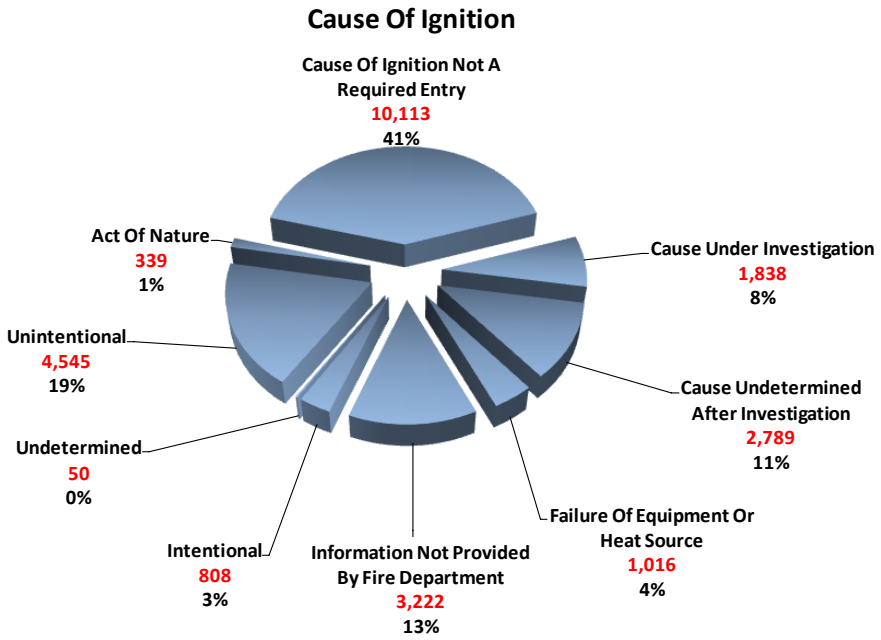
Picture courtesy of H.J. "Whitey" Swartz





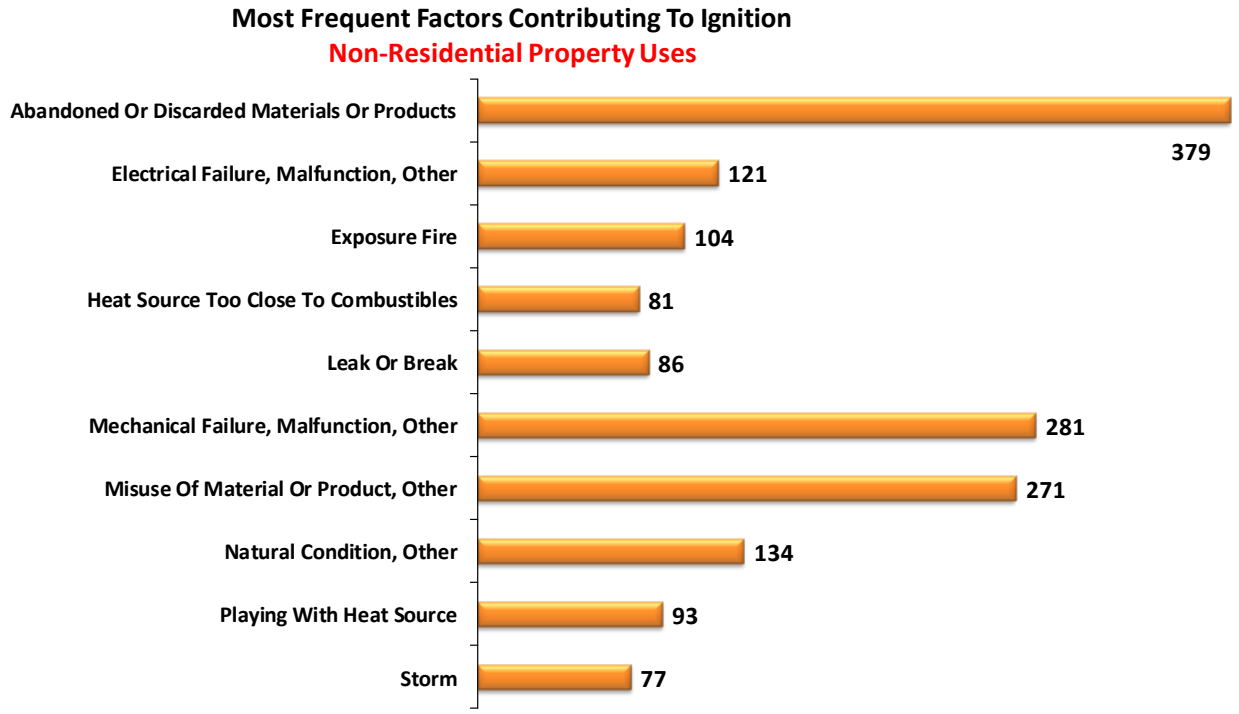
Picture courtesy of Bill Tompkins

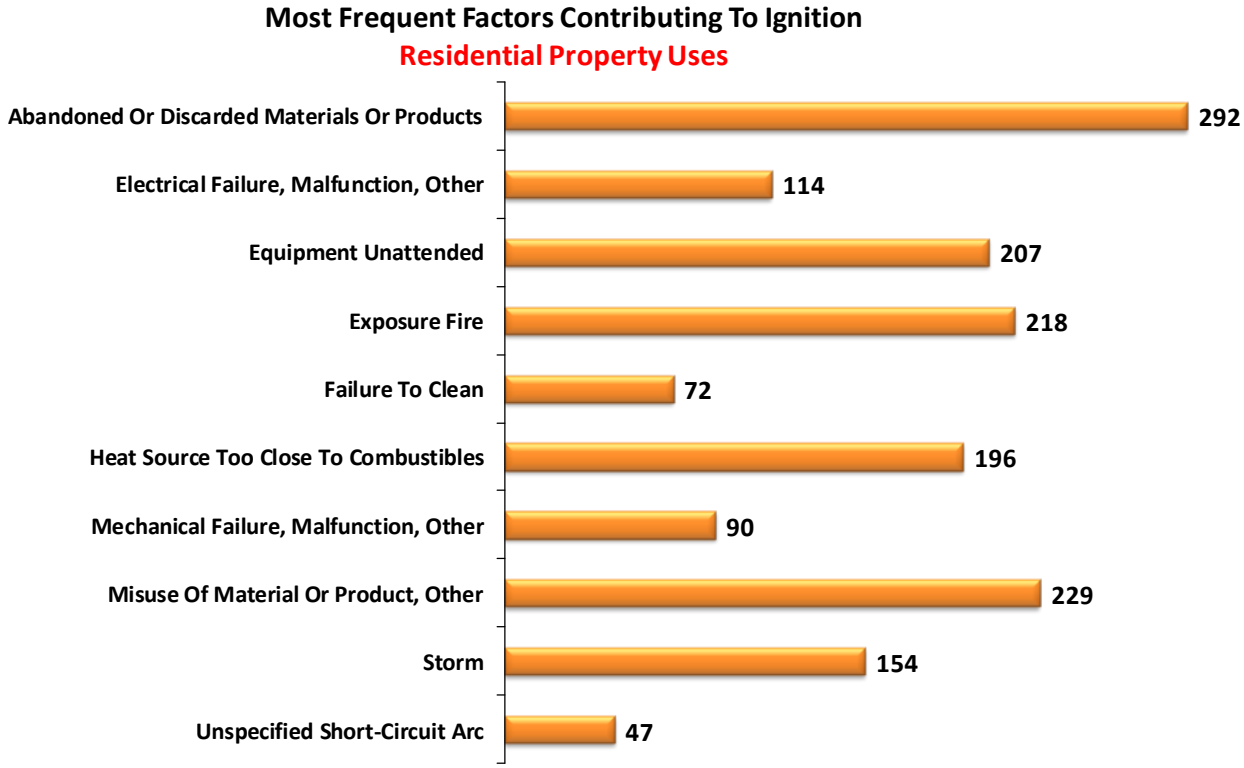
FIRE INCIDENTS - CAUSE OF IGNITION



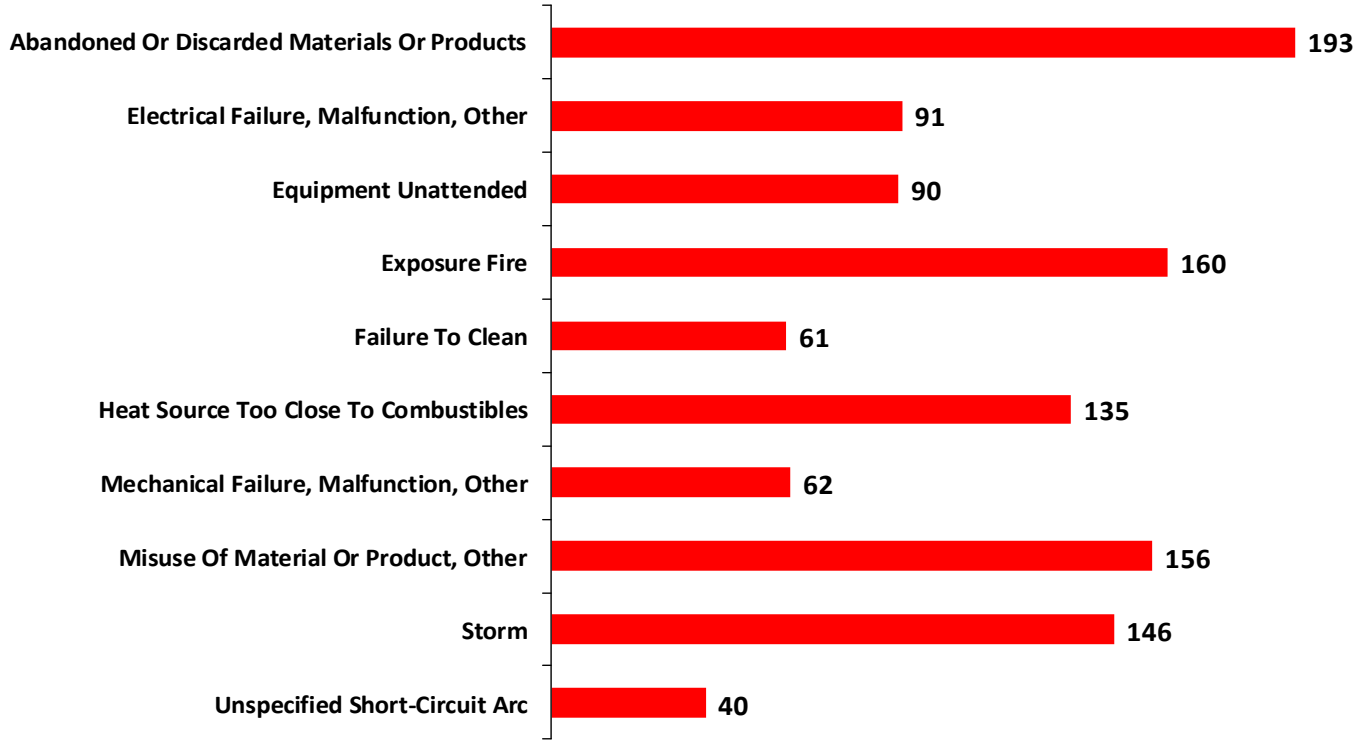
Property Use Category	Act Of Nature	Cause Of Ignition Not A Required Entry	Cause Under Investigation	Cause Undetermined After Investigation	Failure Of Equipment Or Heat Source	Information Not Provided By Fire Department	Intentional	Undetermined	Unintentional	Total
Assembly	11	386	48	93	23	174	38	8	133	914
Educational	2	205	16	29	8	54	23		28	365
Health Care, Detention And Correction	5	295	17	23	10	36	2	1	60	449
Industrial, Utility, Defense, Agriculture, Mining	10	15	25	49	17	18	12	1	40	187
Information Not Provided By Fire Department						3				3
Manufacturing, Processing	1	29	13	10	10	17	2		21	103
Mercantile, Business	14	427	87	185	55	191	25	1	289	1,274
None	1	14	11	11	4	59	2	1	37	140
Other	11	11	10	13	3	31	3	5	11	98
Outside Or Special Property	177	285	674	1,636	546	1,483	380	14	1,784	6,979
Residential	90	8,348	857	686	314	1,079	300	19	2,023	13,716
Storage	15	44	72	49	23	68	16		97	384
Undetermined	2	54	8	5	3	9	5		22	108
Total	339	10,113	1,838	2,789	1,016	3,222	808	50	4,545	24,720

Structure Fires - Cause Of Ignition				
Cause Of Ignition	Incidents	Property Loss	Contents Loss	Total
Act Of Nature	61	$738,150.00	$255,450.00	$993,600.00
Cause Of Ignition Not A Required Entry	10,113	$120,132.00	$119,650.00	$239,782.00
Cause Under Investigation	922	$18,656,743.00	$6,058,074.00	$24,714,817.00
Cause Undetermined After Investigation	569	$5,161,857.00	$1,892,276.00	$7,054,133.00
Failure Of Equipment Or Heat Source	363	$3,340,694.00	$1,194,437.00	$4,535,131.00
Information Not Provided By Fire Department	363	$8,409.00	$13,107.00	$21,516.00
Intentional	178	$760,403.00	$186,451.00	$946,854.00
Undetermined	28	$501.00	$1.00	$502.00
Unintentional	1,846	$10,624,037.00	$3,546,411.00	$14,170,448.00
Total	**14,443**	**$39,410,926.00**	**$13,265,857.00**	**$52,676,783.00**

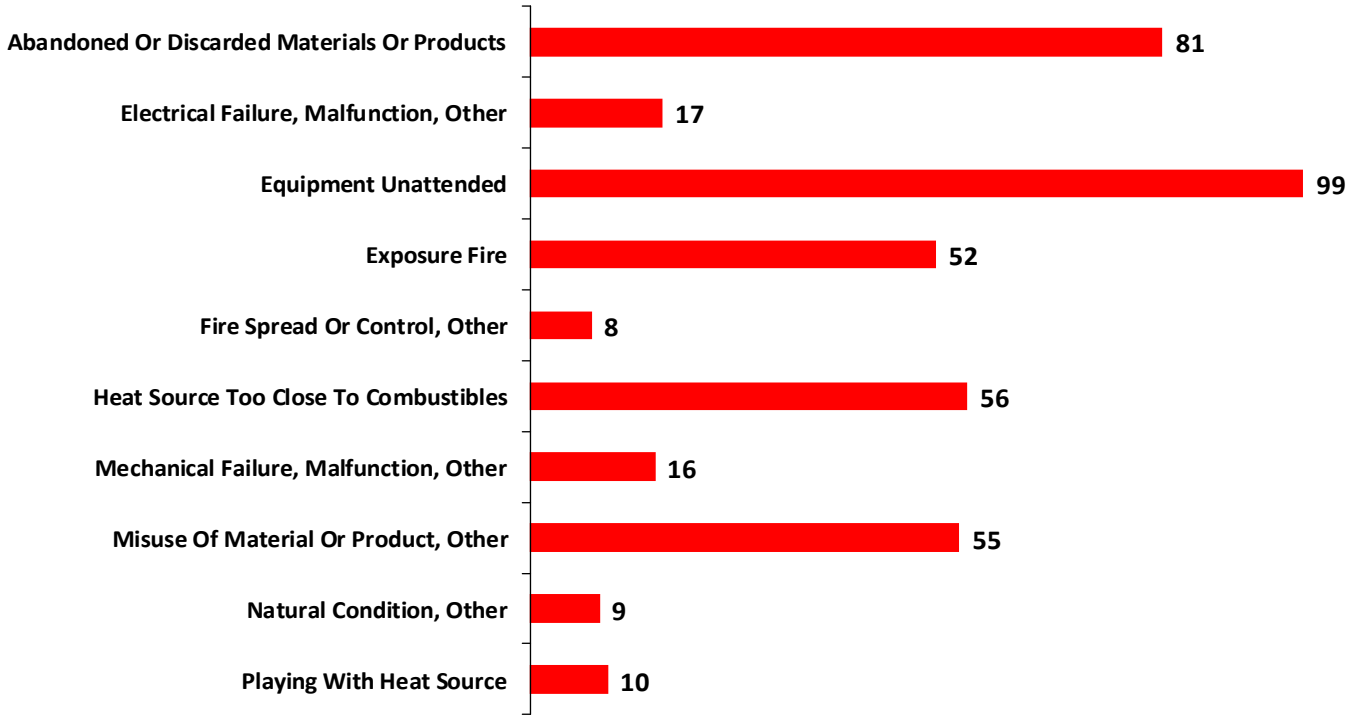

Most Frequent Factors Contributing To Ignition
Non-Residential Property Uses
Abandoned Or Discarded Materials Or Products
379
Electrical Failure, Malfunction, Other
121
Exposure Fire
104
Heat Source Too Close To Combustibles
81
Leak Or Break
86
Mechanical Failure, Malfunction, Other
281
Misuse Of Material Or Product, Other
271
Natural Condition, Other
134
Playing With Heat Source
93
Storm
77

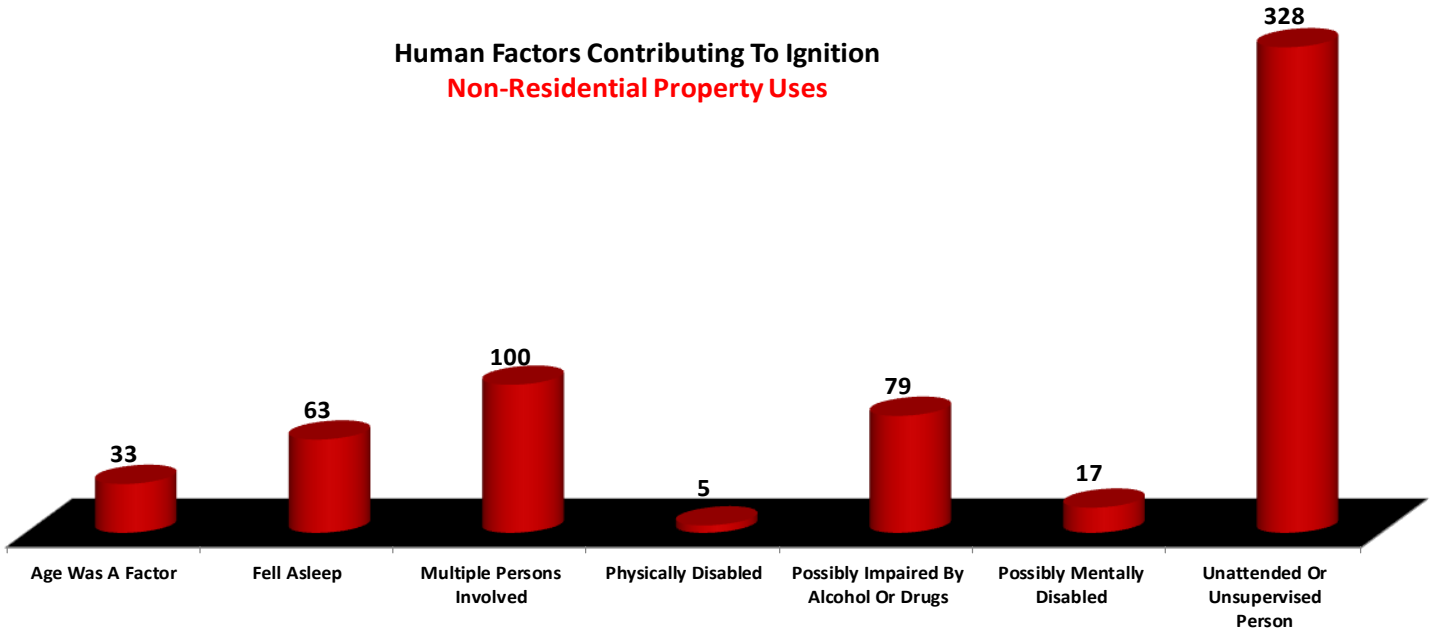

Most Frequent Factors Contributing To Ignition
Residential Property Uses
Abandoned Or Discarded Materials Or Products
292
Electrical Failure, Malfunction, Other
114
Equipment Unattended
207
Exposure Fire
218
Failure To Clean
72
Heat Source Too Close To Combustibles
196
Mechanical Failure, Malfunction, Other
90
Misuse Of Material Or Product, Other
229
Storm
154
Unspecified Short-Circuit Arc
47

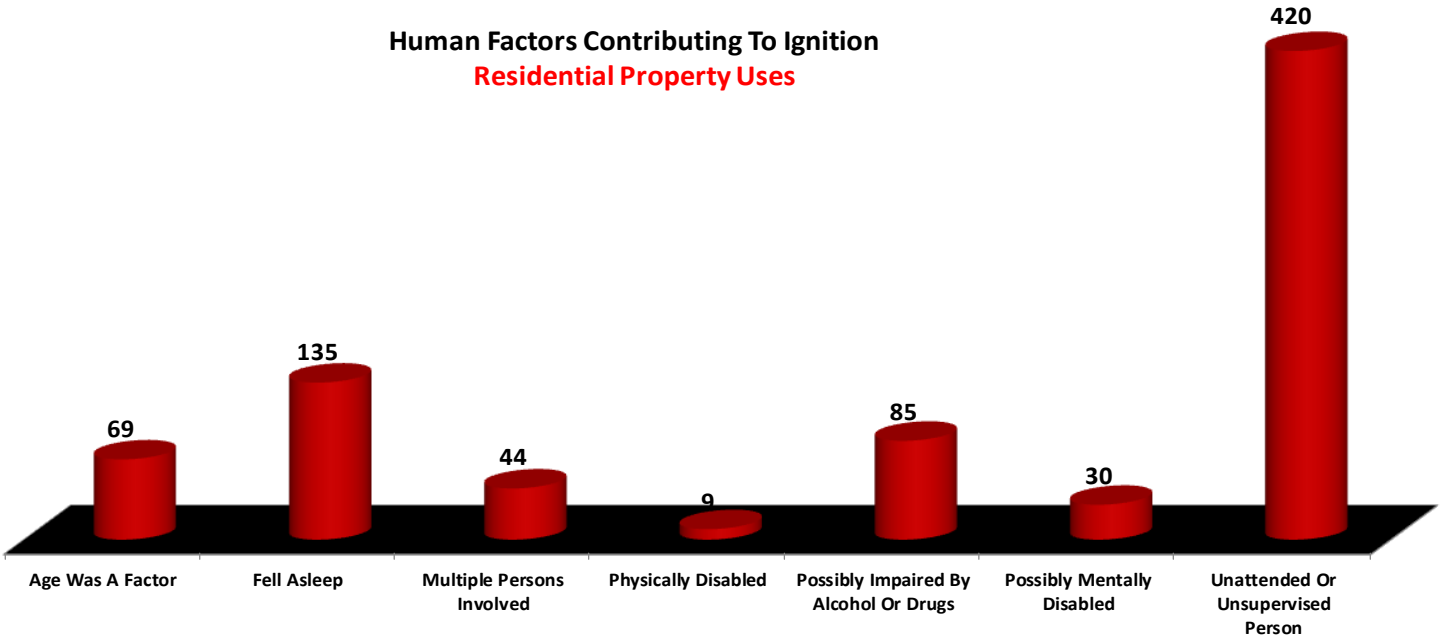
Most Frequent Factors Contributing To Ignition
1 Or 2 Family Dwellings

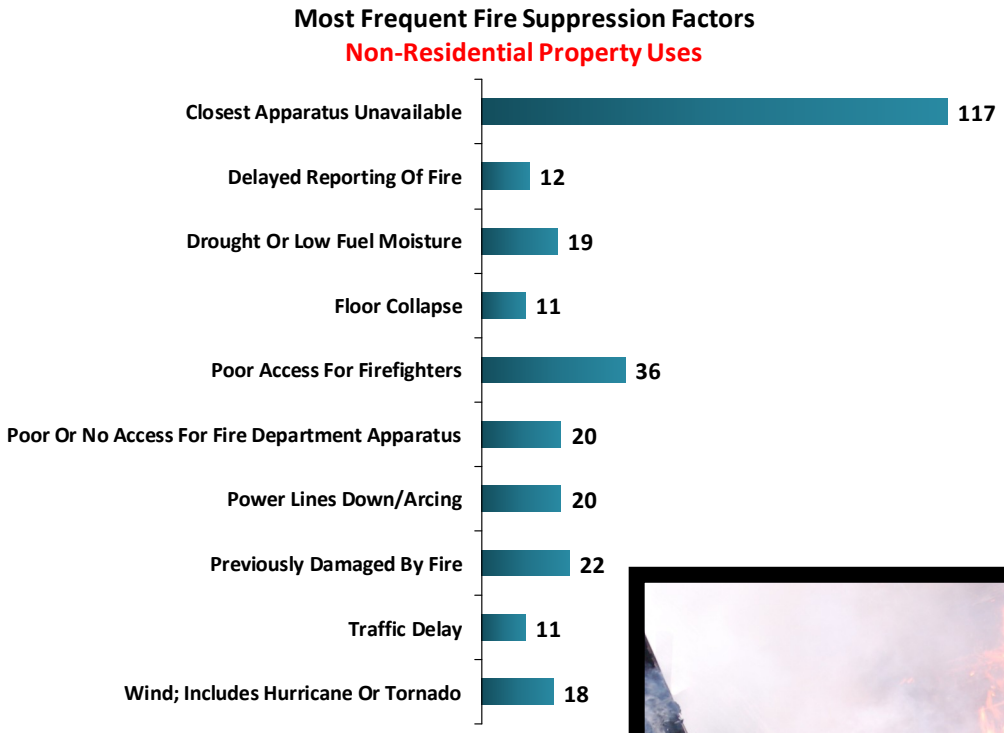


Most Frequent Factors Contributing To Ignition
Multifamily Dwellings

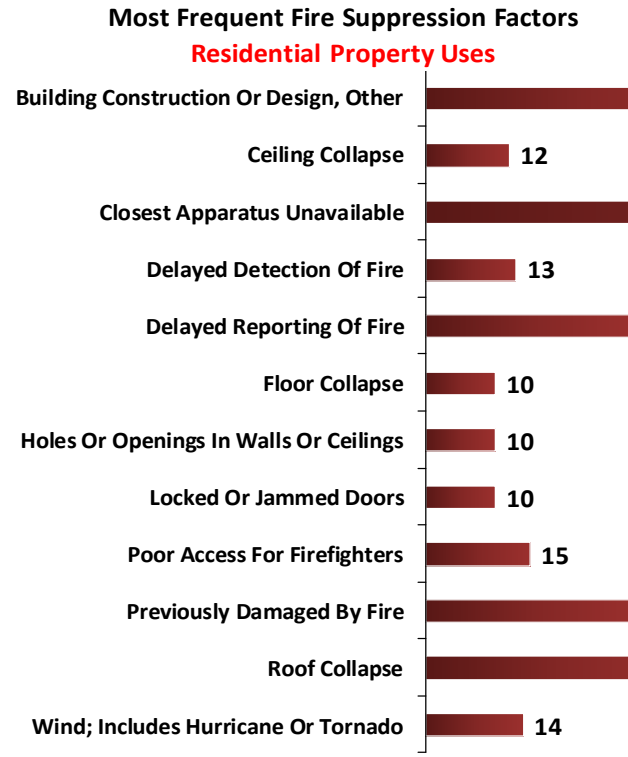



Human Factors Contributing To Ignition
Non-Residential Property Uses
33
63
100
5
79
17
328
Age Was A Factor
Fell Asleep
Multiple Persons Involved
Physically Disabled
Possibly Impaired By Alcohol Or Drugs
Possibly Mentally Disabled
Unattended Or Unsupervised Person

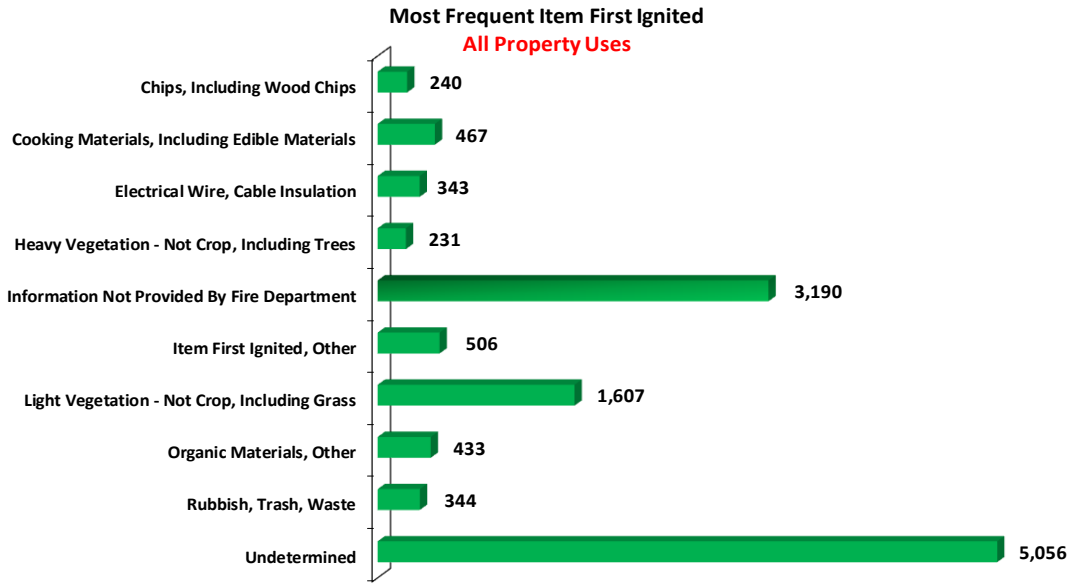

Human Factors Contributing To Ignition
Residential Property Uses
69
135
44
9
85
30
420
Age Was A Factor
Fell Asleep
Multiple Persons Involved
Physically Disabled
Possibly Impaired By Alcohol Or Drugs
Possibly Mentally Disabled
Unattended Or Unsupervised Person

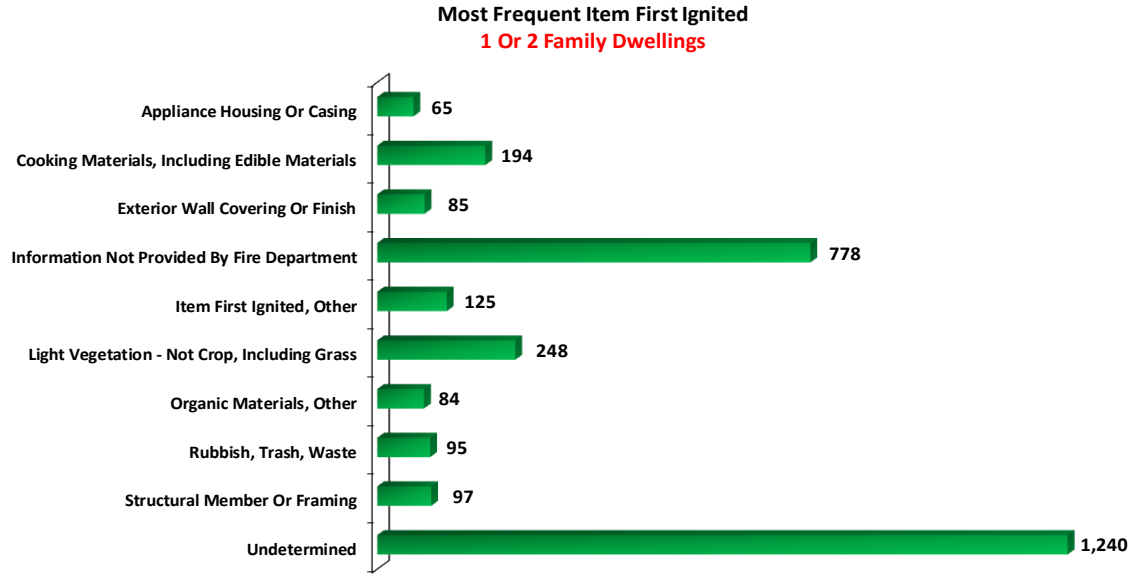


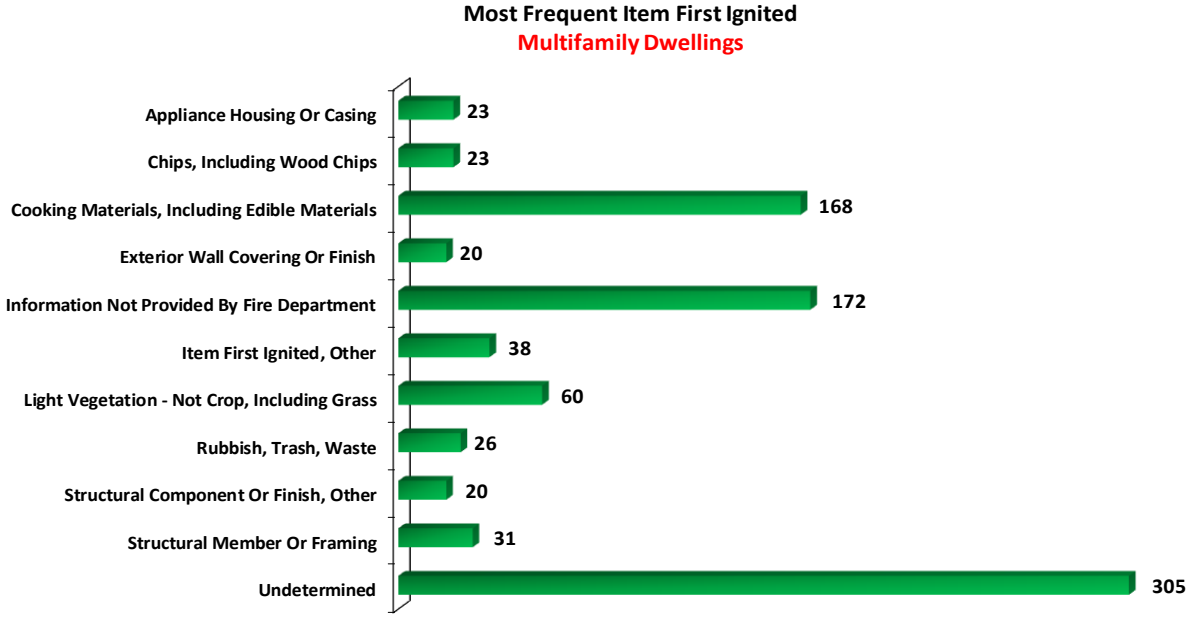
Picture courtesy of Bill Tompkins



FIRE INCIDENTS - ITEM FIRST IGNITED





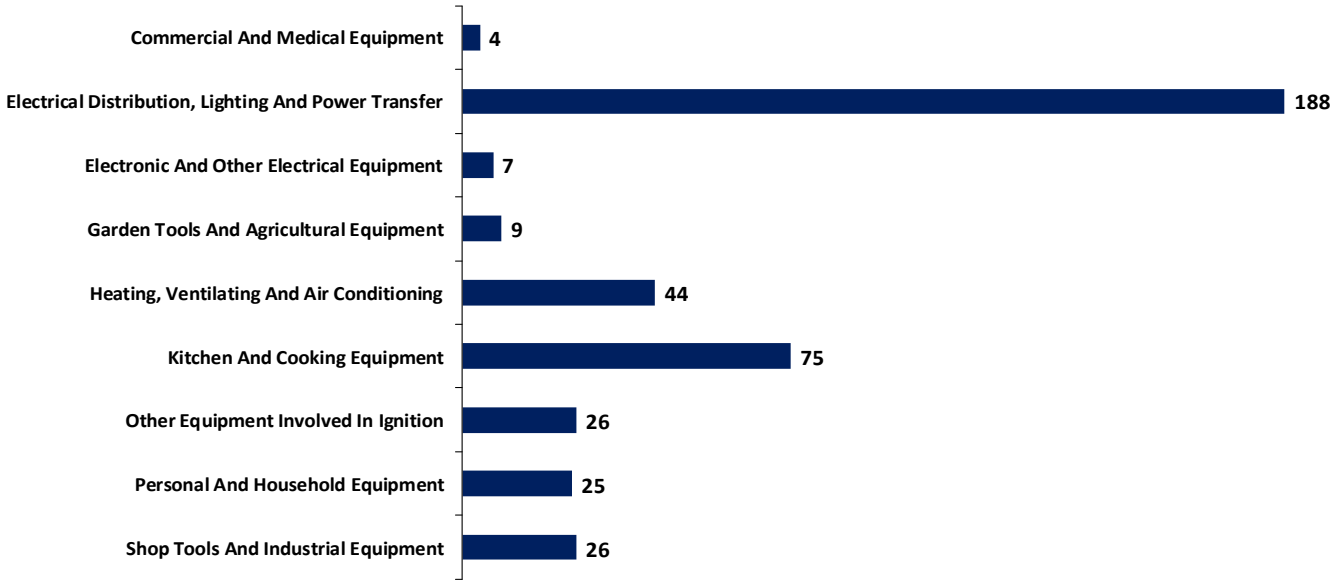


FIRE INCIDENTS - EQUIPMENT INVOLVED

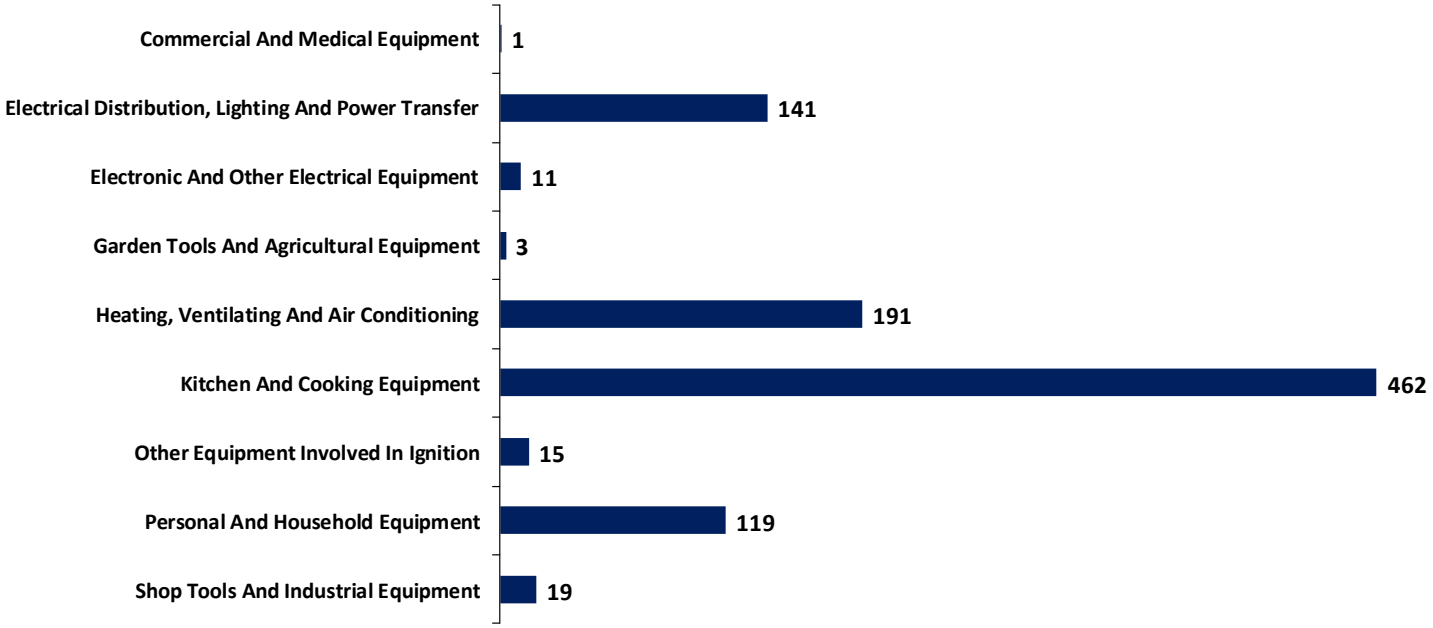
Structure Fires = 14,443
Equipment Involved In Ignition = 1,168
Equipment Brand Identified = 249

Of the 14,443 reported structure fire incidents, only 1,168 (8%) of those incidents were identified as having equipment involved in ignition. Of those 1,168 incidents, only 249 (21%) were identified by the product brand name. Of the 14,443 structure fire incidents, fire departments did not provide information for 2,105 (15%) incidents as to whether or not there was any equipment involved in ignition.

Equipment Involved In Ignition By Category
Non-Residential Property Uses



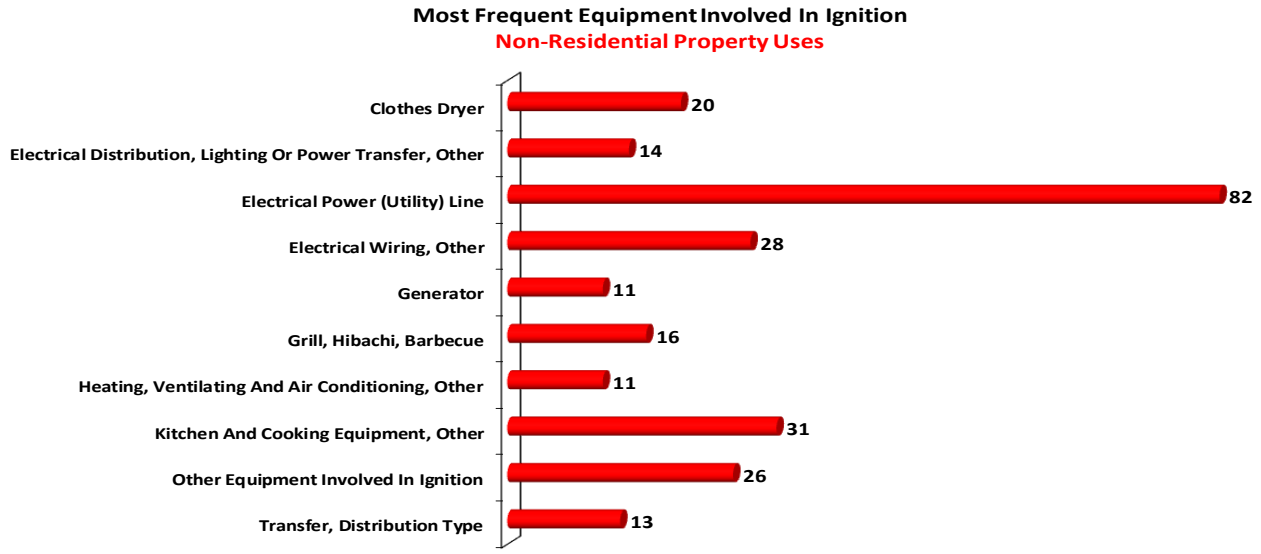
Equipment Involved In Ignition By Category
Residential Property Uses

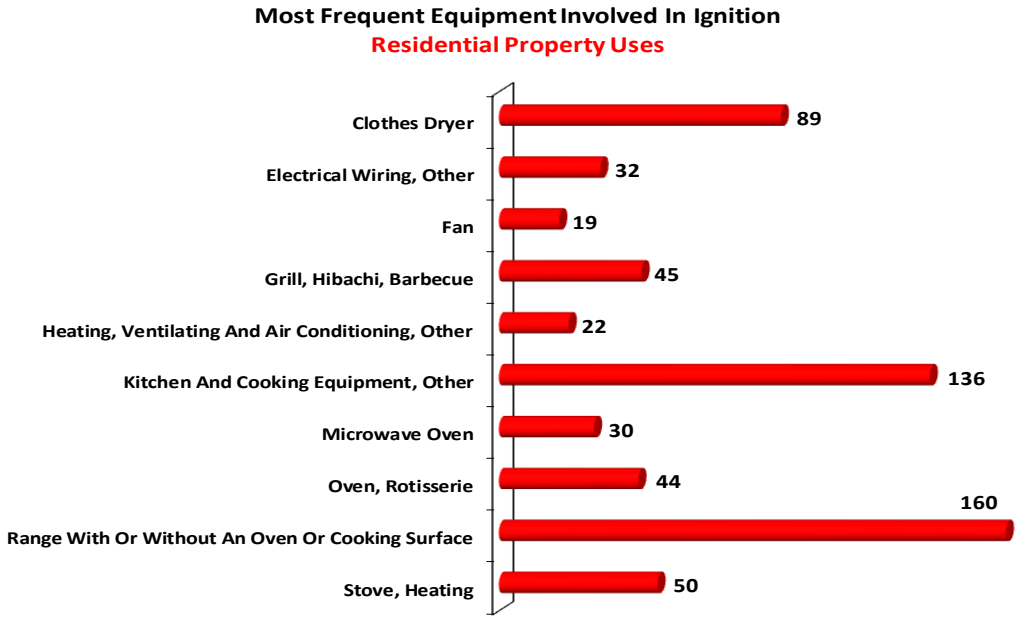


FIRE INCIDENTS - EQUIPMENT INVOLVED

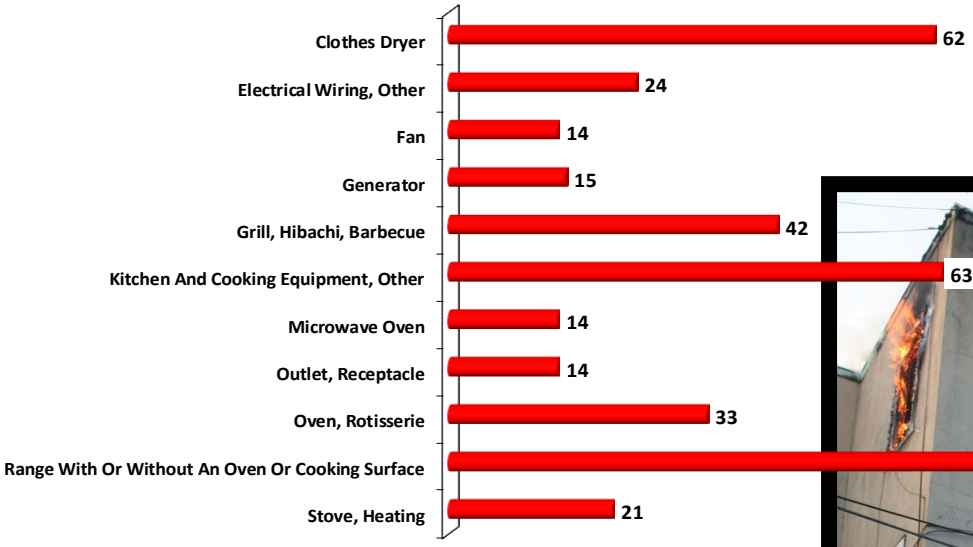
Most Frequent Equipment Involved In Ignition

Equipment Involved	January	February	March	April	May	June	July	August	September	October	November	December	Total
Clothes Dryer	21	8	10	5	5	7	2	7	10	7	14	13	**109**
Electrical Power (Utility) Line	1	1	1	7	2	5	6	1	4	31	26	6	**91**
Electrical Wiring, Other	3	4	3	6	5	2	7	4	4	7	11	4	**60**
Fan	2	3	5	1	2	3	1	3				3	**23**
Generator	1	1		1	1				1	10	11		**26**
Grill, Hibachi, Barbecue	2	1	1	10	9	10	12	3	6	2	5		**61**
Heating, Ventilating And Air Conditioning, Other	7	4	4	3	2	1	1	1		4	4	2	**33**
Kitchen And Cooking Equipment, Other	3	28	26	15	22	29	26	8	1	3	2	4	**167**
Microwave Oven	4	3	3	5	6	4	2	1	2	4	2	2	**38**
Other Equipment Involved In Ignition	2	1	4	7	3		3	7		4	8	2	**41**
Oven, Rotisserie	3	4	3	4	2	3	4	6	3	4	7	4	**47**
Range With Or Without An Oven Or Cooking Surface	7	11	14	21	14	14	11	16	17	12	16	15	**168**
Stove, Heating	3	5	5	9	8	4	2	4	5	3	4	4	**56**
Toaster, Toaster Oven, Counter-Top Broiler	4	1	2	1	1	1	2	1	5		2		**20**
Total	**63**	**75**	**81**	**95**	**82**	**83**	**79**	**62**	**58**	**91**	**112**	**59**	**940**





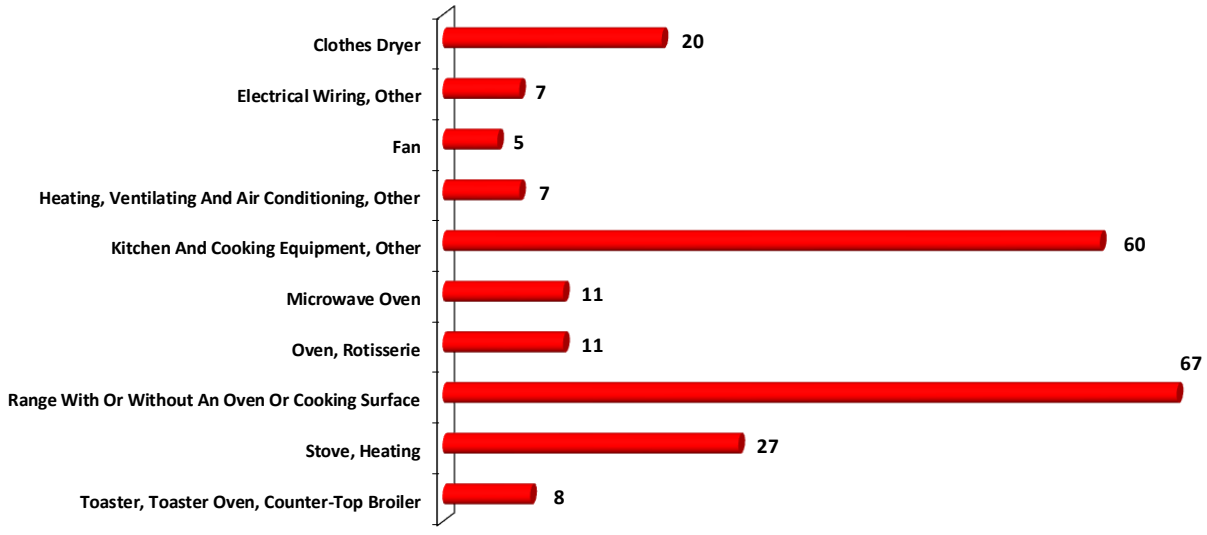
Most Frequent Equipment Involved In Ignition
1 Or 2 Family Dwellings



Picture courtesy of Ron Jeffers

Picture courtesy of Jackie Pellek

Most Frequent Equipment Involved In Ignition
Multifamily Dwellings



FIRE INCIDENTS - HEAT SOURCE

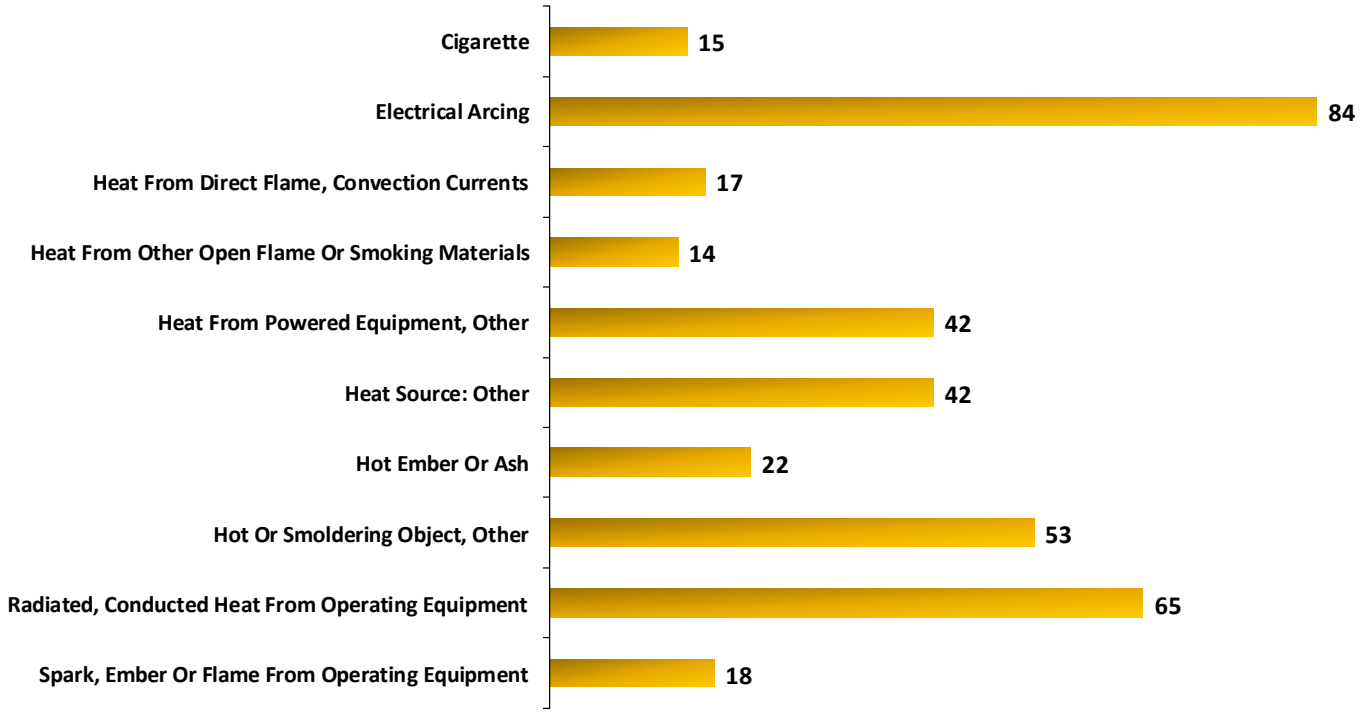
Most Frequent Heat Sources Of Fire	Incidents	Property Loss	Contents Loss
Candle	110	$766,981.00	$230,416.00
Cigarette	374	$545,583.00	$112,995.00
Electrical Arcing	506	$4,176,806.00	$1,252,992.00
Heat From Direct Flame, Convection Currents	147	$237,750.00	$122,350.00
Heat From Other Open Flame Or Smoking Materials	180	$192,952.00	$95,350.00
Heat From Powered Equipment, Other	517	$4,311,693.00	$730,786.00
Heat Source: Other	433	$690,992.00	$104,764.00
Hot Ember Or Ash	514	$1,450,679.00	$530,638.00
Hot Or Smoldering Object, Other	514	$1,454,607.00	$627,854.00
Lighter: Cigarette, Cigar	120	$150,023.00	$111,171.00
Match	188	$186,561.00	$49,685.00
Radiated, Conducted Heat From Operating Equipment	572	$1,271,713.00	$540,367.00
Spark, Ember Or Flame From Operating Equipment	235	$840,659.00	$331,363.00
Spontaneous Combustion, Chemical Reaction	126	$184,500.00	$229,200.00

Picture courtesy of Bill Tompkins

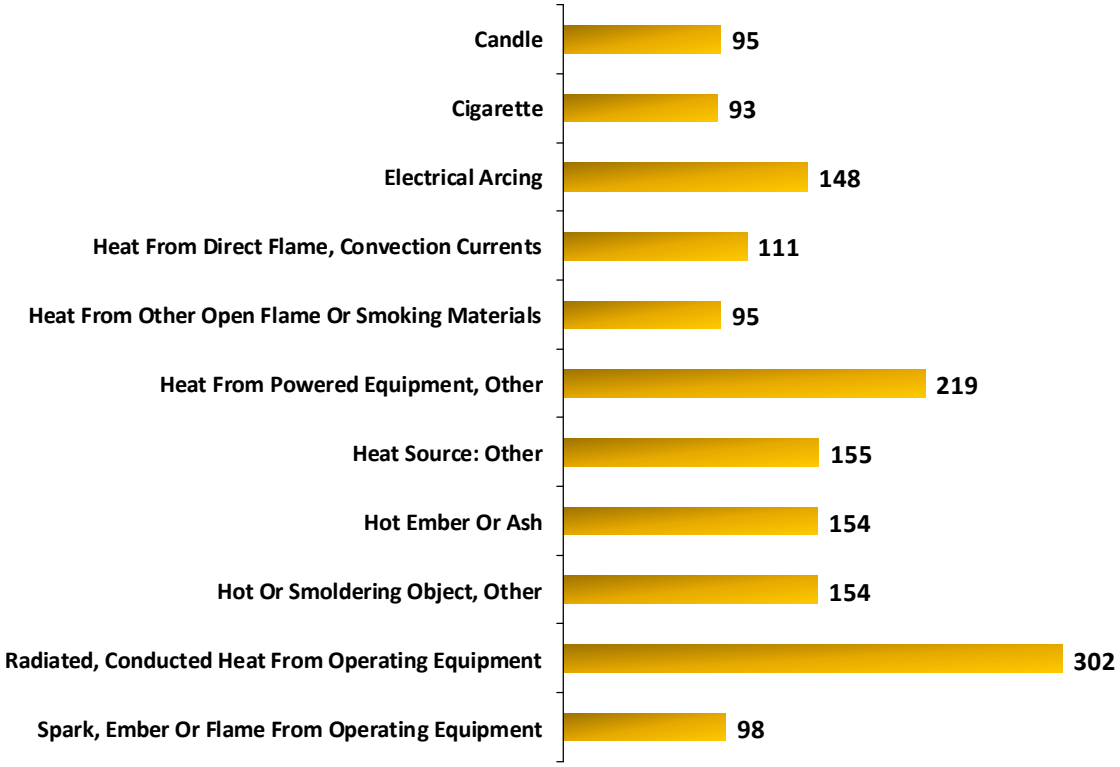
Most Frequent Heat Sources Of Fire	January	February	March	April	May	June	July	August	September	October	November	December
Candle	6	4	8	13	6	7	7	7	4	15	19	14
Cigarette	18	20	52	122	25	28	54	19	13	4	10	9
Electrical Arcing	34	34	29	35	27	36	46	33	34	80	75	43
Heat From Direct Flame, Convection Currents	30	13	16	16	8	8	15	6	8	16	4	7
Heat From Other Open Flame Or Smoking Materials	21	14	16	21	19	21	13	11	6	14	19	5
Heat From Powered Equipment, Other	51	34	39	44	45	49	35	38	44	50	49	39
Heat Source: Other	35	31	38	91	21	38	44	20	18	30	36	31
Hot Ember Or Ash	39	51	59	116	28	24	52	23	20	23	54	25
Hot Or Smoldering Object, Other	34	41	68	111	24	44	56	23	24	32	36	21
Lighter: Cigarette, Cigar	10	7	16	26	12	6	13	5	5	6	10	4
Match	11	12	20	36	9	20	13	13	12	18	19	5
Radiated, Conducted Heat From Operating Equipment	34	60	63	53	49	56	62	36	26	36	61	36
Spark, Ember Or Flame From Operating Equipment	19	13	21	23	16	19	34	13	18	21	26	12
Spontaneous Combustion, Chemical Reaction	4	7	12	35	16	13	12	7	8	4	5	3

FIRE INCIDENTS - HEAT SOURCE

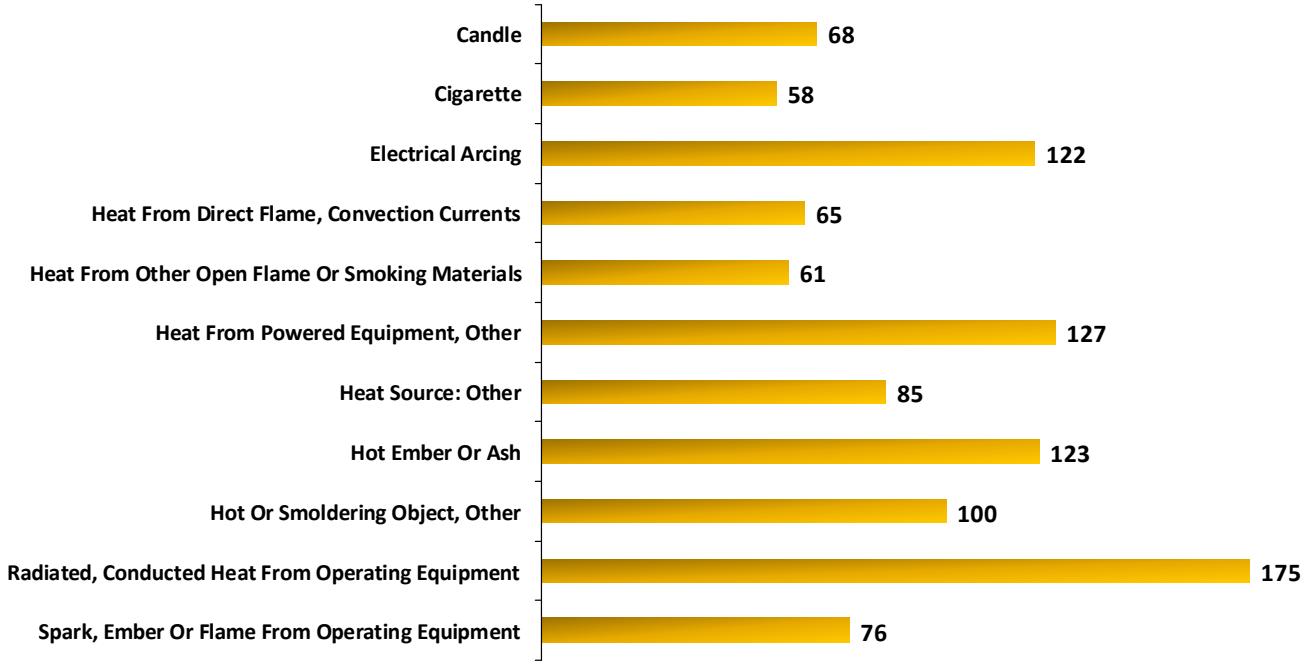
Most Frequent Heat Sources Of Non-Residential Structure Fires



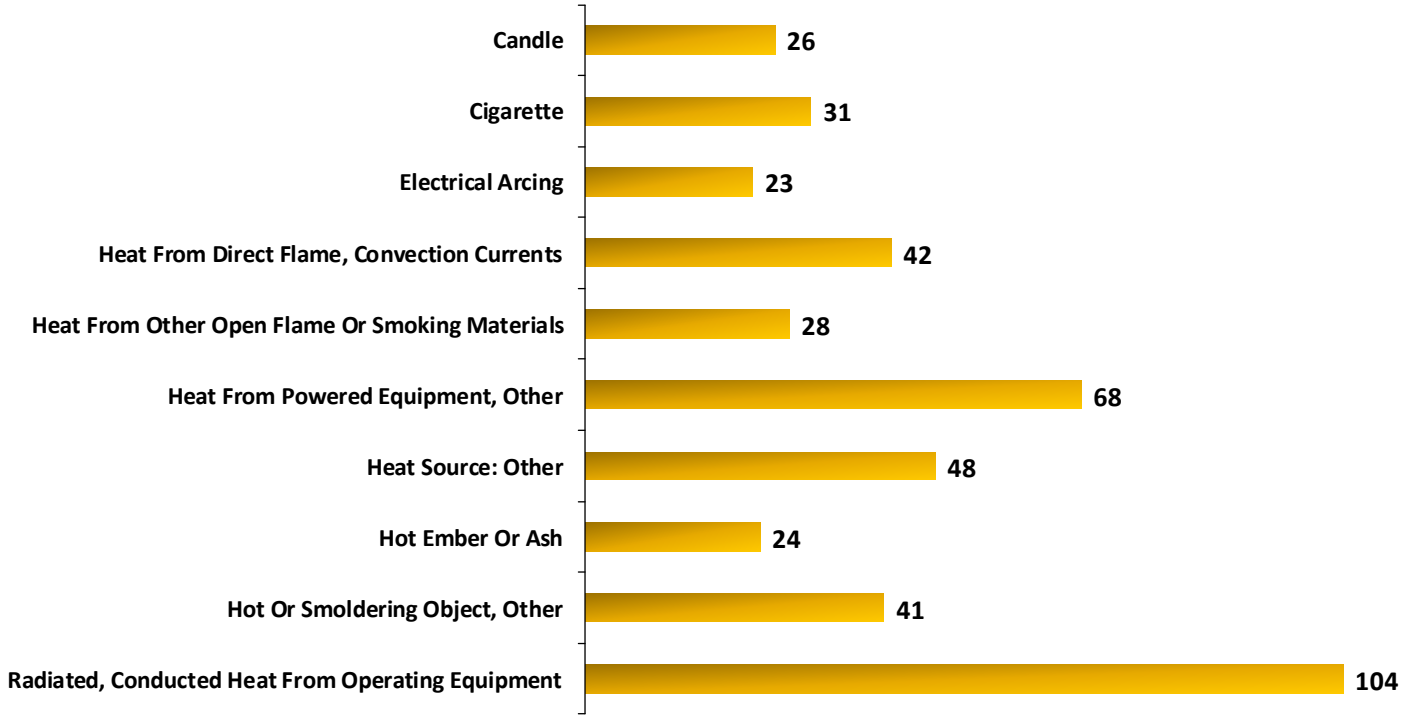
Most Frequent Heat Sources Of Residential Structure Fires



Most Frequent Heat Sources Of Structure Fires
1 Or 2 Family Dwellings



Most Frequent Heat Sources Of Structure Fires
Multifamily Dwellings



FIRE INCIDENTS - AREA OF FIRE ORIGIN

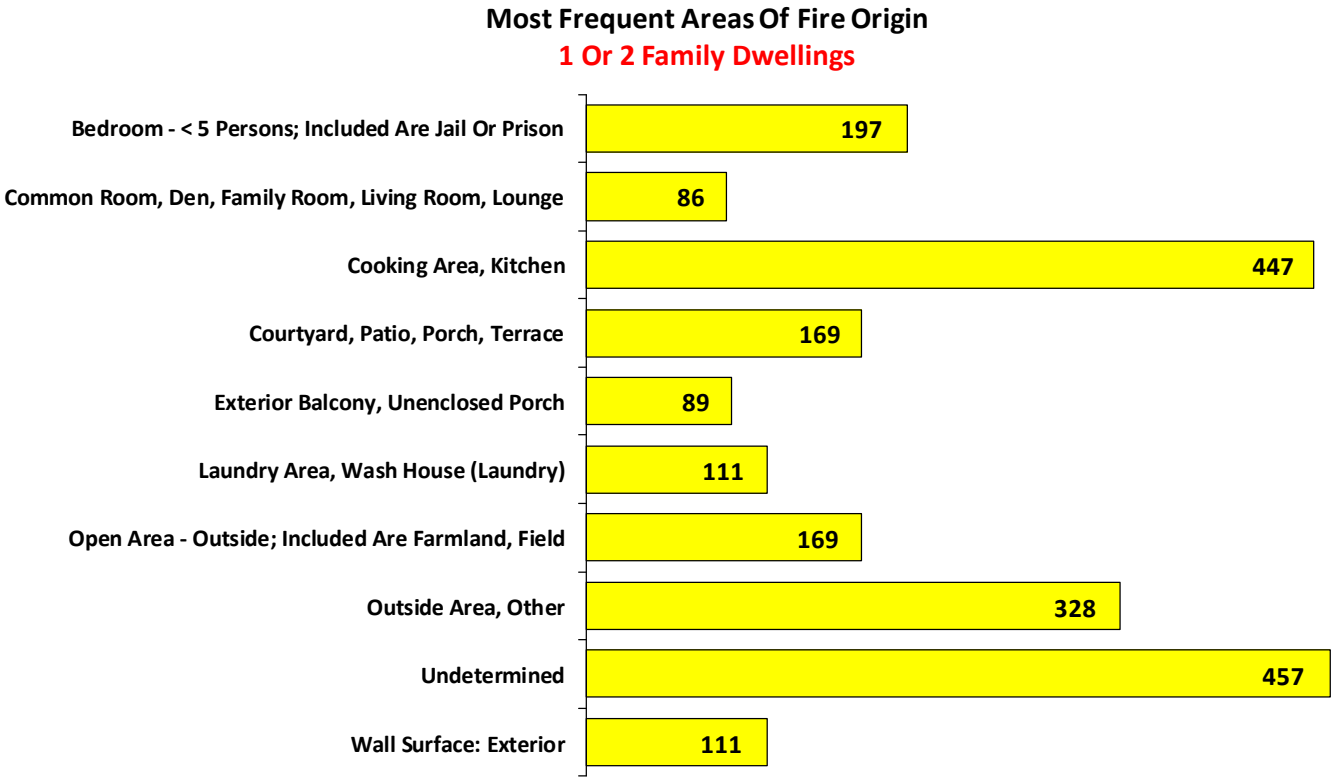
Most Frequent Areas Of Fire Origin -- Non-Residential Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cargo/Trunk Area - All Vehicles	122	$100,176.00	$17,461.00
Cooking Area, Kitchen	101	$92,886.00	$90,502.00
Courtyard, Patio, Porch, Terrace	168	$2,751.00	$2,150.00
Engine Area, Running Gear, Wheel Area	1,290	$2,495,866.00	$610,566.00
Highway, Parking Lot, Street: On Or Near	898	$17,248.00	$7,275.00
Open Area - Outside; Included Are Farmland, Field	707	$67,271.00	$39,902.00
Operator/Passenger Area Of Transportation Equipment	210	$1,508,101.00	$77,861.00
Other	181	$52,088.00	$21,221.00
Outside Area, Other	990	$114,583.00	$11,675.00
Vehicle Area, Other	232	$169,780.00	$34,250.00
Wildland, Woods	414	$27,602.00	$2,351.00

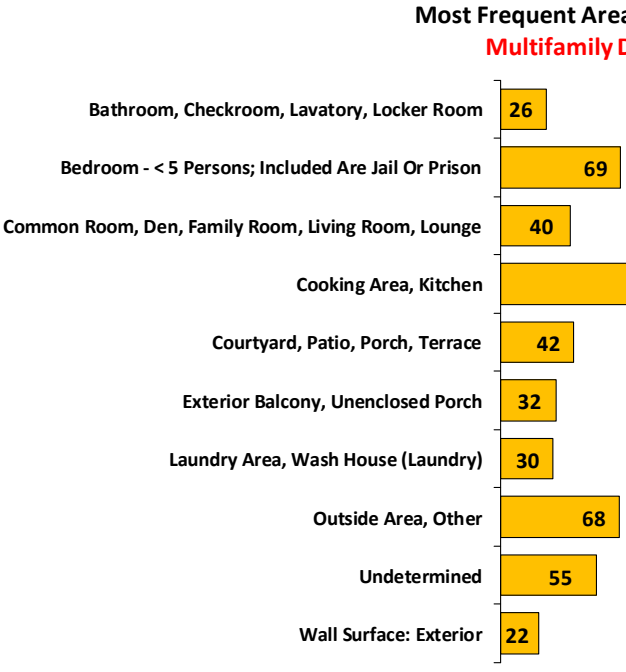
Most Frequent Areas Of Fire Origin -- Residential Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bedroom - < 5 Persons; Included Are Jail Or Prison	273	$3,950,502.00	$1,401,752.00
Common Room, Den, Family Room, Living Room, Lounge	129	$1,954,201.00	$365,050.00
Cooking Area, Kitchen	852	$2,946,375.00	$984,979.00
Courtyard, Patio, Porch, Terrace	216	$1,058,182.00	$164,610.00
Exterior Balcony, Unenclosed Porch	126	$633,004.00	$103,854.00
Laundry Area, Wash House (Laundry)	153	$422,654.00	$142,969.00
Open Area - Outside; Included Are Farmland, Field	186	$6,004.00	$2,503.00
Other	129	$630,502.00	$198,002.00
Outside Area, Other	432	$628,538.00	$152,277.00
Wall Surface: Exterior	139	$965,022.00	$609,451.00

Most Frequent Areas Of Fire Origin In Residential Structure Fires

Picture courtesy of H.J."Whitey" Swartz

FIRE INCIDENTS - AREA OF FIRE ORIGIN





Picture courtesy of Bill Tompkins

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Areas Of Fire Origin - Assembly Property Uses			
Area Of Fire Origin	**Incidents**	**Property Loss**	**Contents Loss**
Bathroom, Checkroom, Lavatory, Locker Room	8	$8,500.00	$2,500.00
Chute/Container - Trash, Rubbish, Waste	8	$1.00	$0.00
Cooking Area, Kitchen	30	$5,700.00	$10,200.00
Courtyard, Patio, Porch, Terrace	14	$1,850.00	$500.00
Engine Area, Running Gear, Wheel Area	15	$0.00	$0.00
Highway, Parking Lot, Street: On Or Near	31	$500.00	$0.00
Open Area - Outside; Included Are Farmland, Field	36	$100.00	$10,000.00
Other	18	$1.00	$20,000.00
Outside Area, Other	72	$6,103.00	$2.00
Undetermined	30	$0.00	$0.00

Most Frequent Areas Of Fire Origin - Educational Property Uses			
Area Of Fire Origin	**Incidents**	**Property Loss**	**Contents Loss**
Bathroom, Checkroom, Lavatory, Locker Room	12	$5,000.00	$1,500.00
Cooking Area, Kitchen	9	$1,500.00	$100.00
Courtyard, Patio, Porch, Terrace	4	$0.00	$50.00
Engine Area, Running Gear, Wheel Area	4	$4,585.00	$0.00
Hallway Corridor, Mall	4	$1,500.00	$0.00
Highway, Parking Lot, Street: On Or Near	5	$0.00	$0.00
Open Area - Outside; Included Are Farmland, Field	6	$0.00	$0.00
Other	4	$25,500.00	$0.00
Outside Area, Other	16	$3,000.00	$10.00
Undetermined	5	$0.00	$0.00
Wildland, Woods	7	$0.00	$0.00

Most Frequent Areas Of Fire Origin - Health Care, Detention And Correction Property Uses			
Area Of Fire Origin	**Incidents**	**Property Loss**	**Contents Loss**
Bathroom, Checkroom, Lavatory, Locker Room	4	$0.00	$0.00
Bedroom - < 5 Persons; Included Are Jail Or Prison	3	$15,000.00	$5,000.00
Cooking Area, Kitchen	19	$10,085.00	$5,001.00
Courtyard, Patio, Porch, Terrace	9	$0.00	$0.00
Engine Area, Running Gear, Wheel Area	9	$0.00	$0.00
Highway, Parking Lot, Street: On Or Near	12	$0.00	$0.00
Laundry Area, Wash House (Laundry)	4	$12,000.00	$2,500.00
Open Area - Outside; Included Are Farmland, Field	8	$0.00	$20,000.00
Outside Area, Other	16	$0.00	$0.00
Undetermined	6	$0.00	$0.00

Most Frequent Areas Of Fire Origin - Industrial Property Uses			
Area Of Fire Origin	**Incidents**	**Property Loss**	**Contents Loss**
Cargo/Trunk Area - All Vehicles	2	$0.00	$0.00
Engine Area, Running Gear, Wheel Area	5	$0.00	$0.00
Heating Room Or Area, Water Heater Area	2	$0.00	$0.00
Highway, Parking Lot, Street: On Or Near	4	$0.00	$0.00
Machinery Room Or Area; Elevator Machinery Room	2	$0.00	$0.00
Open Area - Outside; Included Are Farmland, Field	19	$0.00	$0.00
Other	5	$5,000.00	$0.00
Outside Area, Other	18	$0.00	$0.00
Switchgear Area, Transformer Vault	3	$0.00	$0.00
Undetermined	26	$0.00	$0.00
Wildland, Woods	56	$0.00	$0.00

Most Frequent Areas Of Fire Origin - Manufacturing Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bathroom, Checkroom, Lavatory, Locker Room	2	$0.00	$0.00
Conveyor	3	$0.00	$0.00
Engine Area, Running Gear, Wheel Area	2	$0.00	$0.00
Equipment Or Service Area, Other	3	$0.00	$0.00
Highway, Parking Lot, Street: On Or Near	2	$0.00	$0.00
Outside Area, Other	3	$0.00	$0.00
Processing/Manufacturing Area, Workroom	12	$154,000.00	$155,000.00
Shipping/Receiving Area; Loading Area, Dock Or Bay	3	$0.00	$30,000.00
Storage Area, Other	3	$5,000.00	$2,500.00
Undetermined	8	$0.00	$0.00
Vehicle Area, Other	2	$800.00	$0.00
Wildland, Woods	2	$0.00	$0.00

Most Frequent Areas Of Fire Origin - Mercantile, Business Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cooking Area, Kitchen	24	$75,601.00	$75,201.00
Courtyard, Patio, Porch, Terrace	19	$251.00	$1,000.00
Engine Area, Running Gear, Wheel Area	66	$69,500.00	$11,150.00
Highway, Parking Lot, Street: On Or Near	86	$1.00	$1.00
Laundry Area, Wash House (Laundry)	19	$7,000.00	$2,650.00
Open Area - Outside; Included Are Farmland, Field	23	$0.00	$0.00
Other	18	$101.00	$0.00
Outside Area, Other	135	$687.00	$101.00
Undetermined	76	$415,101.00	$210,351.00
Vehicle Area, Other	17	$0.00	$0.00

Most Frequent Areas Of Fire Origin - Outside Or Special Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cargo/Trunk Area - All Vehicles	107	$49,176.00	$17,461.00
Courtyard, Patio, Porch, Terrace	113	$650.00	$500.00
Engine Area, Running Gear, Wheel Area	1,146	$2,240,181.00	$578,906.00
Highway, Parking Lot, Street: On Or Near	743	$16,747.00	$7,274.00
Open Area - Outside; Included Are Farmland, Field	582	$3,571.00	$3,102.00
Operator/Passenger Area Of Transportation Equipment	188	$905,101.00	$23,611.00
Other	118	$11,436.00	$221.00
Outside Area, Other	689	$4,793.00	$11,562.00
Undetermined	700	$556,466.00	$21,417.00
Vehicle Area, Other	191	$92,980.00	$4,250.00
Wildland, Woods	330	$12,102.00	$2,101.00

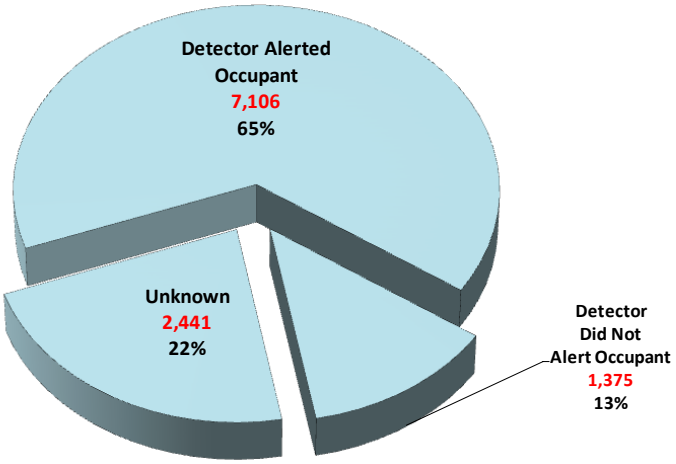
Most Frequent Areas Of Fire Origin - Storage Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Engine Area, Running Gear, Wheel Area	21	$60,100.00	$1,010.00
Highway, Parking Lot, Street: On Or Near	11	$0.00	$0.00
Open Area - Outside; Included Are Farmland, Field	14	$63,600.00	$6,800.00
Outside Area, Other	17	$100,000.00	$0.00
Storage Area, Other	16	$26,001.00	$16,001.00
Storage: Supplies Or Tools; Dead Storage	19	$121,900.00	$46,250.00
Undetermined	45	$775,750.00	$974,000.00
Vehicle Area, Other	10	$56,000.00	$30,000.00
Vehicle Storage Area; Garage, Carport	31	$329,900.00	$221,700.00
Wall Surface: Exterior	12	$57,500.00	$23,500.00

Detector Presence By County

County	Detector Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
Atlantic	745	115	24	63	36	**983**
Bergen	1,876	71	22	75	24	**2,068**
Burlington	960	30	35	105	56	**1,186**
Camden	1,418	32	98	157	50	**1,755**
Cape May	341	17	12	44	14	**428**
Cumberland	454	39	18	44	26	**581**
Essex	2,086	42	46	123	48	**2,345**
Gloucester	508	21	10	29	14	**582**
Hudson	1,953	36	29	189	66	**2,273**
Hunterdon	280	15	6	17	11	**329**
Mercer	1,361	19	36	80	18	**1,514**
Middlesex	1,789	79	36	107	44	**2,055**
Monmouth	1,496	103	29	73	53	**1,754**
Morris	790	29	10	38	11	**878**
Ocean	1,001	256	13	50	39	**1,359**
Passaic	1,486	14	42	81	51	**1,674**
Salem	162	5	3	10	6	**186**
Somerset	410	28	5	22	8	**473**
Sussex	279	31	17	22	21	**370**
Union	1,496	28	41	84	37	**1,686**
Warren	212	9	4	11	5	**241**
Total	**21,103**	**1,019**	**536**	**1,424**	**638**	**24,720**

Detector Effectiveness

Confined Fires

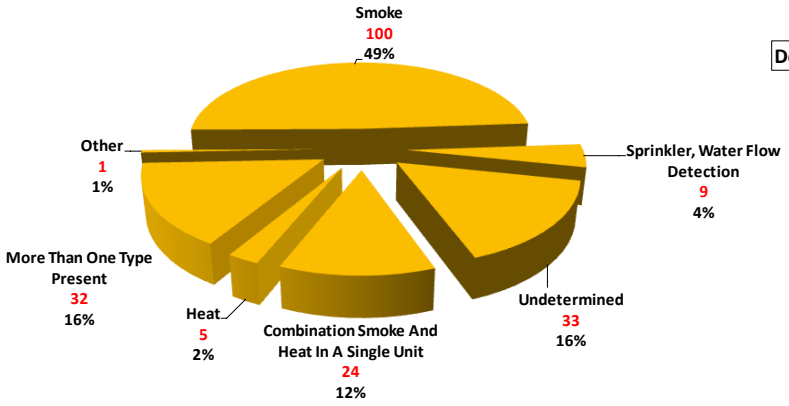


Detector Presence By Property Use Category

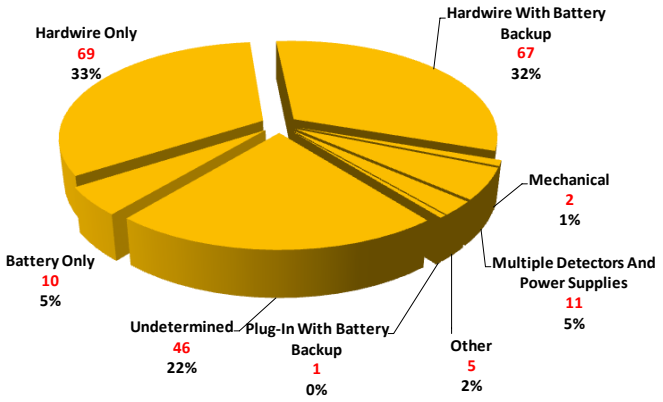
Property Use Category	Detector Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
Assembly	791	46	13	45	19	**914**
Educational	320	17	2	25	1	**365**
Health Care, Detention And Correction	407	12	4	25	1	**449**
Industrial, Utility, Defense, Agriculture, Mining	170	7	3	6	1	**187**
Information Not Provided By Fire Department	1	2				**3**
Manufacturing, Processing	66	7	5	19	6	**103**
Mercantile, Business	1,081	49	39	61	44	**1,274**
None	109	27	4			**140**
Other	69	24	4	1		**98**
Outside Or Special Property	6,775	165	24	8	7	**6,979**
Residential	10,983	642	335	1,220	536	**13,716**
Storage	235	18	99	10	22	**384**
Undetermined	96	3	4	4	1	**108**
Total	**21,103**	**1,019**	**536**	**1,424**	**638**	**24,720**

Non-Residential Property Uses			
Detector Presence	**Incidents**	**Property Loss**	**Contents Loss**
Detector Presence Not A Required Entry	10,120	$6,212,671.00	$941,343.00
Information Not Provided By Fire Department	377	$87,309.00	$68,155.00
None Present	201	$1,285,150.00	$868,900.00
Present	204	$3,951,582.00	$1,340,452.00
Undetermined	102	$1,551,250.00	$1,415,450.00
Total	**11,004**	**$13,087,962.00**	**$4,634,300.00**

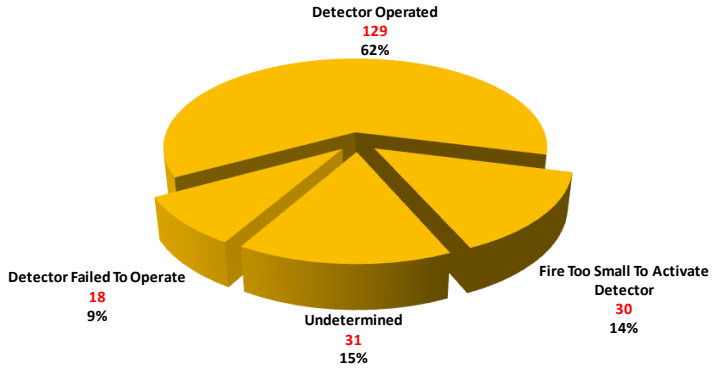
Detector Type In Non-Residential Property Uses



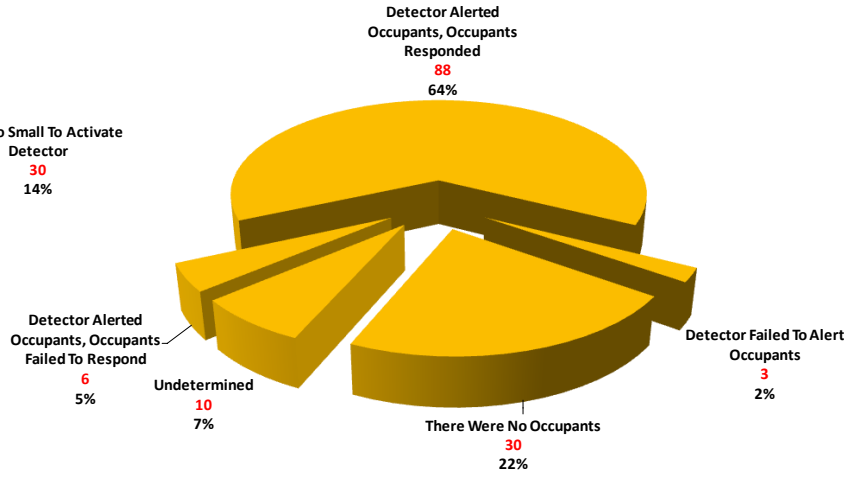
Detector Power Supply In Non-Residential Property Uses



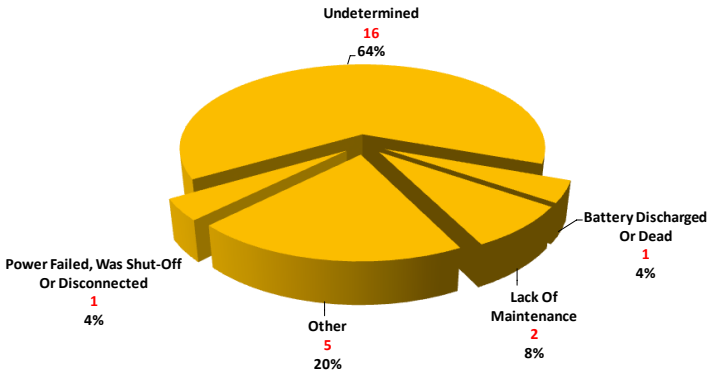
Detector Operation In Non-Residential Property Uses



Detector Effectiveness In Non-Residential Property Uses



Detector Failure Reason In Non-Residential Property Uses



DETECTOR PRESENCE AND PERFORMANCE

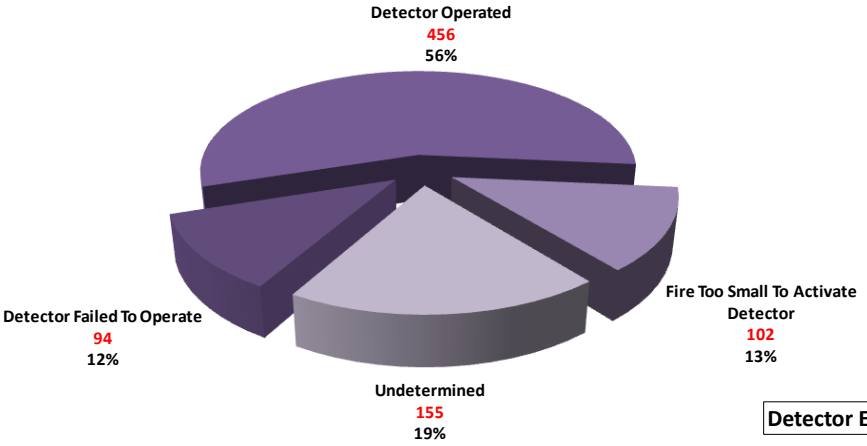
Residential Property Uses			
Detector Presence	**Incidents**	**Property Loss**	**Contents Loss**
Detector Presence Not A Required Entry	10,983	$746,663.00	$193,076.00
Information Not Provided By Fire Department	642	$96,455.00	$98,985.00
None Present	335	$4,467,503.00	$1,397,962.00
Present	1,220	$16,261,756.00	$5,332,196.00
Undetermined	536	$11,555,957.00	$2,601,044.00
Total	**13,716**	**$33,128,334.00**	**$9,623,263.00**

Pictures courtesy of Bill Tompkins

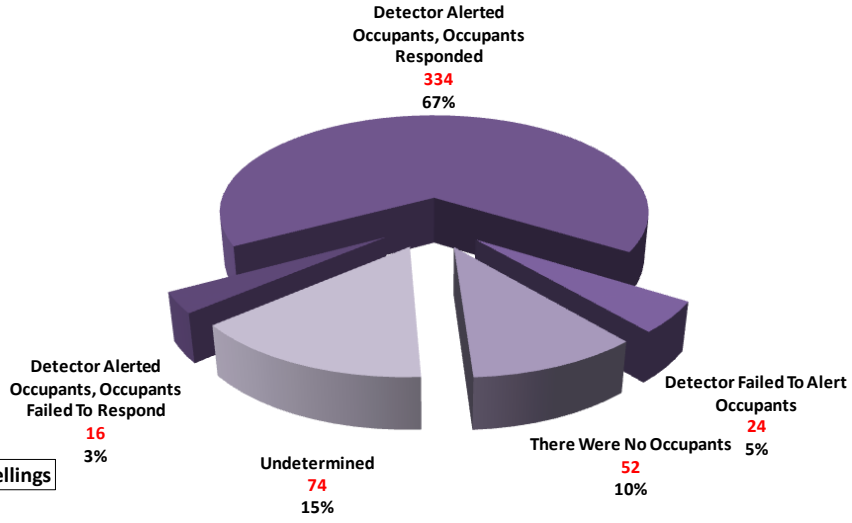
Detector Presence In Residential Property Uses By Specific Property Use						
Specific Property Use	**Detector Presence Not A Required Entry**	**Information Not Provided By Fire Department**	**None Present**	**Present**	**Undetermined**	**Total**
1 Or 2 Family Dwelling	5,773	455	282	779	441	**7,730**
Barracks, Dormitory	21					**21**
Boarding/Rooming House, Residential Hotels	158	6		6	4	**174**
Dormitory-Type Residence, Other	259	3	1	2	1	**266**
Hotel/Motel, Commercial	203	8	2	13	1	**227**
Multifamily Dwelling	4,065	89	43	406	79	**4,682**
Residential Board And Care	103	2				**105**
Residential, Other	384	79	7	13	10	**493**
Sorority House, Fraternity House	17			1		**18**
Total	**10,983**	**642**	**335**	**1,220**	**536**	**13,716**

1 Or 2 Family Dwellings			
Detector Presence	**Incidents**	**Property Loss**	**Contents Loss**
Detector Presence Not A Required Entry	5,773	$368,923.00	$133,394.00
Information Not Provided By Fire Department	455	$85,253.00	$77,082.00
None Present	282	$3,807,153.00	$1,245,852.00
Present	779	$11,710,635.00	$3,764,942.00
Undetermined	441	$9,570,707.00	$2,132,444.00
Total	**7,730**	**$25,542,671.00**	**$7,353,714.00**

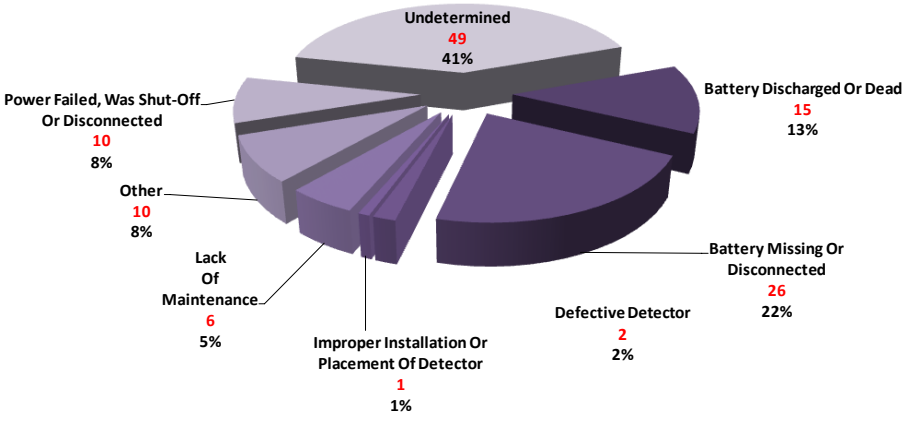
Detector Operation In 1 Or 2 Family Dwellings



Detector Effectiveness In 1 Or 2 Family Dwellings

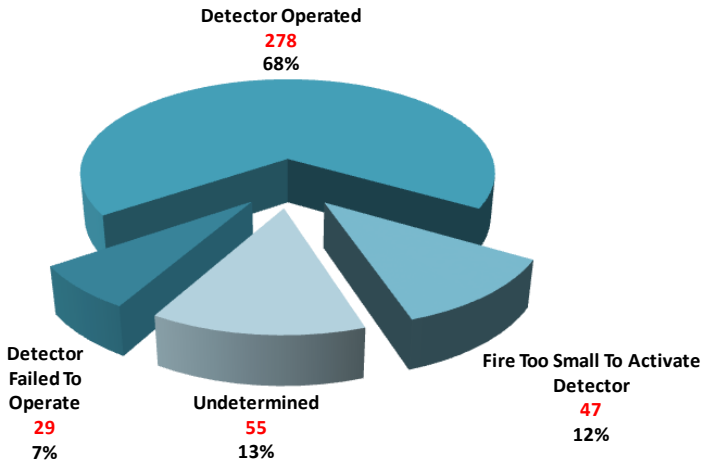


Detector Failure Reason In 1 Or 2 Family Dwellings

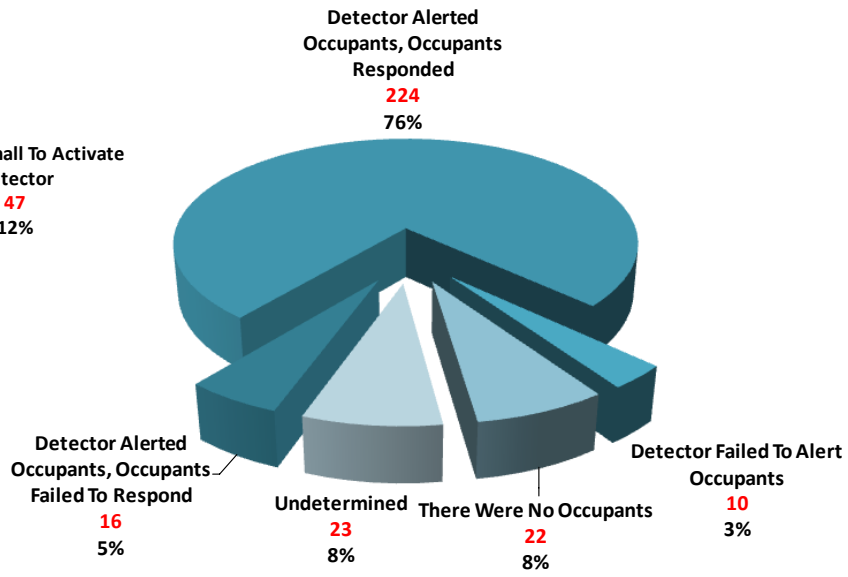


Multifamily Dwellings			
Detector Presence	**Incidents**	**Property Loss**	**Contents Loss**
Detector Presence Not A Required Entry	4,065	$60,424.00	$31,599.00
Information Not Provided By Fire Department	89	$5,501.00	$4,852.00
None Present	43	$628,100.00	$146,560.00
Present	406	$3,320,467.00	$829,086.00
Undetermined	79	$1,876,750.00	$417,100.00
Total	**4,682**	**$5,891,242.00**	**$1,429,197.00**

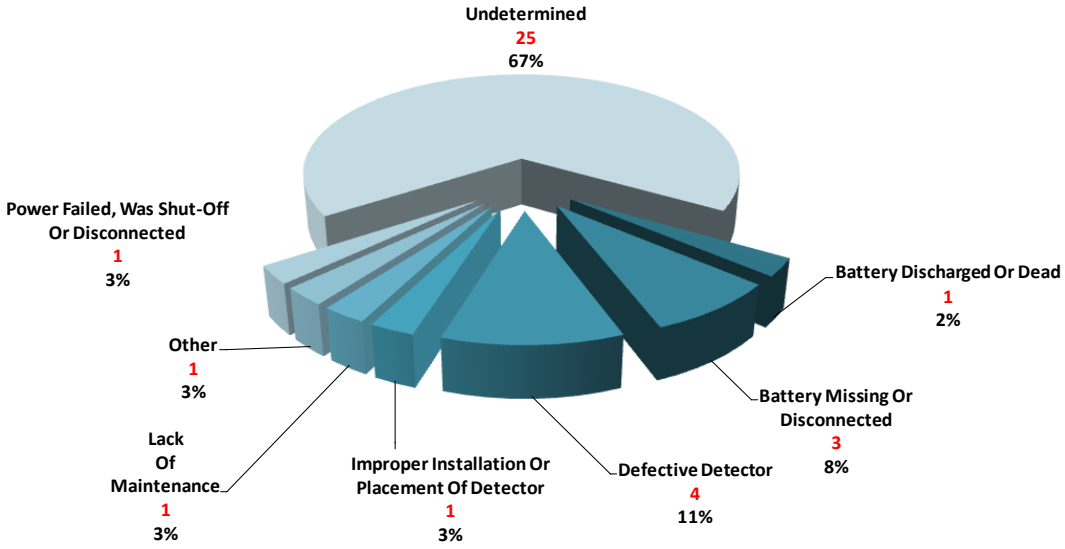
Detector Operation In Multifamily Dwellings



Detector Effectiveness In Multifamily Dwellings



Detector Failure Reason In Multifamily Dwellings



AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

Automatic Extinguishment System Presence By County							
County	AES Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Partial System Present	Present	Undetermined	Total
Atlantic	765	96	103		13	6	**983**
Bergen	1,887	60	101	3	14	3	**2,068**
Burlington	964	26	163	1	12	20	**1,186**
Camden	1,420	32	258	5	17	23	**1,755**
Cape May	343	15	60	1	2	7	**428**
Cumberland	456	37	63		11	14	**581**
Essex	2,088	40	182	1	23	11	**2,345**
Gloucester	510	19	48		1	4	**582**
Hudson	1,954	35	203	4	36	41	**2,273**
Hunterdon	282	13	32	1	1		**329**
Mercer	1,363	17	128		4	2	**1,514**
Middlesex	1,798	70	155		24	8	**2,055**
Monmouth	1,515	85	130	1	6	17	**1,754**
Morris	793	25	52	1	2	5	**878**
Ocean	1,020	241	82		6	10	**1,359**
Passaic	1,488	12	143		15	16	**1,674**
Salem	162	6	15		2	1	**186**
Somerset	412	26	26	1	2	6	**473**
Sussex	284	27	58	1			**370**
Union	1,500	24	138	3	13	8	**1,686**
Warren	213	8	19			1	**241**
Total	**21,217**	**914**	**2,159**	**23**	**204**	**203**	**24,720**

Automatic Extinguishment System Presence By Property Use Category							
Property Use Category	AES Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Partial System Present	Present	Undetermined	Total
Assembly	798	39	31	7	23	16	**914**
Educational	320	17	14	3	8	3	**365**
Health Care, Detention And Correction	407	12	10	1	17	2	**449**
Industrial, Utility, Defense, Agriculture, Mining	171	7	5	1	3		**187**
Information Not Provided By Fire Department	1	2					**3**
Manufacturing, Processing	66	7	7	1	18	4	**103**
Mercantile, Business	1,081	49	89	2	23	30	**1,274**
None	109	27	4				**140**
Other	69	24	4			1	**98**
Outside Or Special Property	6,880	61	33		1	4	**6,979**
Residential	10,983	649	1,850	7	92	135	**13,716**
Storage	236	17	104	1	18	8	**384**
Undetermined	96	3	8		1		**108**
Total	**21,217**	**914**	**2,159**	**23**	**204**	**203**	**24,720**

Types Of Automatic Extinguishment Systems By Property Use Category										
Property Use Category	Carbon Dioxide System	Dry Chemical System	Dry-Pipe Sprinkler System	Foam System	Information Not Provided By Fire Department	Other Sprinkler System	Special Hazard System, Other	Undetermined	Wet-Pipe Sprinkler System	Total
Assembly	1	7		2	7			1	12	30
Educational		2						1	8	11
Health Care, Detention And Correction			1		5				12	18
Industrial, Utility, Defense, Agriculture, Mining	1		1		1				1	4
Manufacturing, Processing			1		6				12	19
Mercantile, Business		1	1		7	1	1	4	11	26
Outside Or Special Property									1	1
Residential		2	3		20		2	13	65	105
Storage			2		6			1	10	19
Undetermined									1	1
Total	**2**	**12**	**9**	**2**	**52**	**1**	**3**	**20**	**133**	**234**

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

Non-Residential

Automatic Extinguishment System Operation	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Too Small To Activate The System	37	$70,540,000.00	$220,700.00	$30,030,500.00	$195,300.00	**$100,154,500.00**
Information Not Provided By Fire Department	43	$46,462,200.00	$137,250.00	$1,877,875.00	$178,400.00	**$48,024,425.00**
Other	3	$750,000.00	$3,000.00	$70,000.00	$500.00	**$816,500.00**
System Did Not Operate	9	$1,300,000.00	$35,001.00	$500,000.00	$801.00	**$1,764,198.00**
System Operated And Was Effective	30	$116,855,000.00	$172,500.00	$102,970,000.00	$162,000.00	**$219,490,500.00**
System Operated And Was Not Effective	3	$0.00	$0.00	$0.00	$0.00	**$0.00**
Undetermined	4	$0.00	$20,000.00	$0.00	$5,000.00	**Unknown**
Total	**129**	**$235,907,200.00**	**$588,451.00**	**$135,448,375.00**	**$542,001.00**	**$370,249,623.00**

Non-Residential

Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
1	23	$116,505,000.00	$121,000.00	$102,820,000.00	$108,500.00	**$219,095,500.00**
2	4	$0.00	$0.00	$0.00	$0.00	**$0.00**
3	3	$0.00	$1,500.00	$0.00	$3,500.00	**Unknown**
4	1	$350,000.00	$50,000.00	$150,000.00	$50,000.00	**$400,000.00**
8	2	$0.00	$0.00	$0.00	$0.00	**$0.00**
Total	**33**	**$116,855,000.00**	**$172,500.00**	**$102,970,000.00**	**$162,000.00**	**$219,495,500.00**

Non-Residential

Automatic Extinguishment System Failure Reason	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Not In Area Protected By The System	5	$1,300,000.00	$35,000.00	$500,000.00	$800.00	**$1,764,200.00**
Inappropriate System For The Type Of Fire	1	$0.00	$1,000.00	$0.00	$0.00	**Unknown**
Information Not Provided By Fire Department	2	$0.00	$0.00	$0.00	$0.00	**$0.00**
Manual Intervention Defeated The System	2	$0.00	$0.00	$0.00	$0.00	**$0.00**
Not Enough Agent Discharged To Control The Fire	1	$0.00	$0.00	$0.00	$0.00	**$0.00**
Other	1	$0.00	$0.00	$0.00	$0.00	**$0.00**
Undetermined	3	$0.00	$1.00	$0.00	$1.00	**Unknown**
Total	**15**	**$1,300,000.00**	**$36,001.00**	**$500,000.00**	**$801.00**	**$1,764,200.00**

Picture courtesy of H.J. "Whitey" Swartz

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

Residential

Automatic Extinguishment System Operation	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Too Small To Activate The System	36	$734,600.00	$25,351.00	$1,500.00	$21,701.00	**$689,048.00**
Information Not Provided By Fire Department	28	$945,000.00	$18,500.00	$5,500.00	$8,300.00	**$923,700.00**
Other	2	$0.00	$0.00	$0.00	$0.00	**$0.00**
System Did Not Operate	7	$0.00	$0.00	$0.00	$0.00	**$0.00**
System Operated And Was Effective	22	$2,035,250.00	$33,500.00	$633,812.00	$13,750.00	**$2,621,812.00**
System Operated And Was Not Effective	1	$0.00	$0.00	$0.00	$0.00	**$0.00**
Undetermined	12	$0.00	$0.00	$0.00	$0.00	**$0.00**
Total	**108**	**$3,714,850.00**	**$77,351.00**	**$640,812.00**	**$43,751.00**	**$4,234,560.00**

Residential

Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
1	20	$2,035,250.00	$33,500.00	$633,812.00	$13,750.00	**$2,621,812.00**
2	1	$0.00	$0.00	$0.00	$0.00	**$0.00**
3	1	$0.00	$0.00	$0.00	$0.00	**$0.00**
12	1	$0.00	$0.00	$0.00	$0.00	**$0.00**
Total	**23**	**$2,035,250.00**	**$33,500.00**	**$633,812.00**	**$13,750.00**	**$2,621,812.00**

Residential

Automatic Extinguishment System Failure Reason	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Not In Area Protected By The System	7	$0.00	$0.00	$1,000.00	$1,000.00	**Unknown**
Other	2	$0.00	$2,500.00	$0.00	$0.00	**Unknown**
System Components Damaged	1	$0.00	$0.00	$0.00	$0.00	**Unknown**
Undetermined	1	$0.00	$0.00	$0.00	$0.00	**Unknown**
Total	**11**	**$0.00**	**$2,500.00**	**$1,000.00**	**$1,000.00**	**Unknown**

Picture courtesy of Ron Jeffers

1 Or 2 Family Dwellings						
Automatic Extinguishment System Presence	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Information Not Provided By Fire Department	459	$1,173,250.00	$85,253.00	$532,649.00	$77,082.00	**$1,543,564.00**
Partial System Present	1	$0.00	$5,000.00	$0.00	$5,000.00	**Unknown**
Present	13	$436,600.00	$4,000.00	$2,000.00	$2,000.00	**$432,600.00**
Undetermined	105	$2,907,001.00	$1,412,601.00	$350,000.00	$231,200.00	**$1,613,200.00**
Total	**578**	**$4,516,851.00**	**$1,506,854.00**	**$884,649.00**	**$315,282.00**	**$3,579,364.00**

Multifamily Dwellings						
Automatic Extinguishment System Presence	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Information Not Provided By Fire Department	90	$251,200.00	$5,501.00	$125,400.00	$4,852.00	**$366,247.00**
Partial System Present	6	$3,000.00	$3,000.00	$2,000.00	$2,000.00	**$0.00**
Present	66	$1,981,500.00	$62,500.00	$312,875.00	$32,250.00	**$2,199,625.00**
Undetermined	28	$1,225,000.00	$106,560.00	$60,000.00	$10,500.00	**$1,167,940.00**
Total	**190**	**$3,460,700.00**	**$177,561.00**	**$500,275.00**	**$49,602.00**	**$3,733,812.00**

1 Or 2 Family Dwellings						
Automatic Extinguishment System Type	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Dry-Pipe Sprinkler System	2	$0.00	$0.00	$0.00	$0.00	**Unknown**
Information Not Provided By Fire Department	8	$2,000.00	$7,000.00	$2,000.00	$7,000.00	**Unknown**
Special Hazard System, Other	2	$0.00	$0.00	$0.00	$0.00	**Unknown**
Undetermined	6	$0.00	$0.00	$0.00	$0.00	**Unknown**
Wet-Pipe Sprinkler System	2	$434,600.00	$2,000.00	$0.00	$0.00	**Unknown**
Total	**20**	**$436,600.00**	**$9,000.00**	**$2,000.00**	**$7,000.00**	**$422,600.00**

Multifamily Dwellings						
Automatic Extinguishment System Type	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Dry Chemical System	2	$0.00	$0.00	$0.00	$0.00	**Unknown**
Dry-Pipe Sprinkler System	1	$0.00	$2,500.00	$0.00	$0.00	**Unknown**
Information Not Provided By Fire Department	11	$13,000.00	$3,500.00	$1,000.00	$1,000.00	**$9,500.00**
Undetermined	6	$0.00	$0.00	$0.00	$0.00	**Unknown**
Wet-Pipe Sprinkler System	52	$1,971,500.00	$59,500.00	$313,875.00	$33,250.00	**$2,192,625.00**
Total	**72**	**$1,984,500.00**	**$65,500.00**	**$314,875.00**	**$34,250.00**	**$2,199,625.00**

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

1 Or 2 Family Dwellings

Automatic Extinguishment System Operation	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Too Small To Activate The System	4	$434,600.00	$2,000.00	$0.00	$0.00	Unknown
Information Not Provided By Fire Department	8	$2,000.00	$7,000.00	$2,000.00	$7,000.00	Unknown
Other	1	$0.00	$0.00	$0.00	$0.00	Unknown
System Operated And Was Effective	1	$0.00	$0.00	$0.00	$0.00	Unknown
Undetermined	8	$0.00	$0.00	$0.00	$0.00	Unknown
Total	**22**	**$436,600.00**	**$9,000.00**	**$2,000.00**	**$7,000.00**	**$422,600.00**

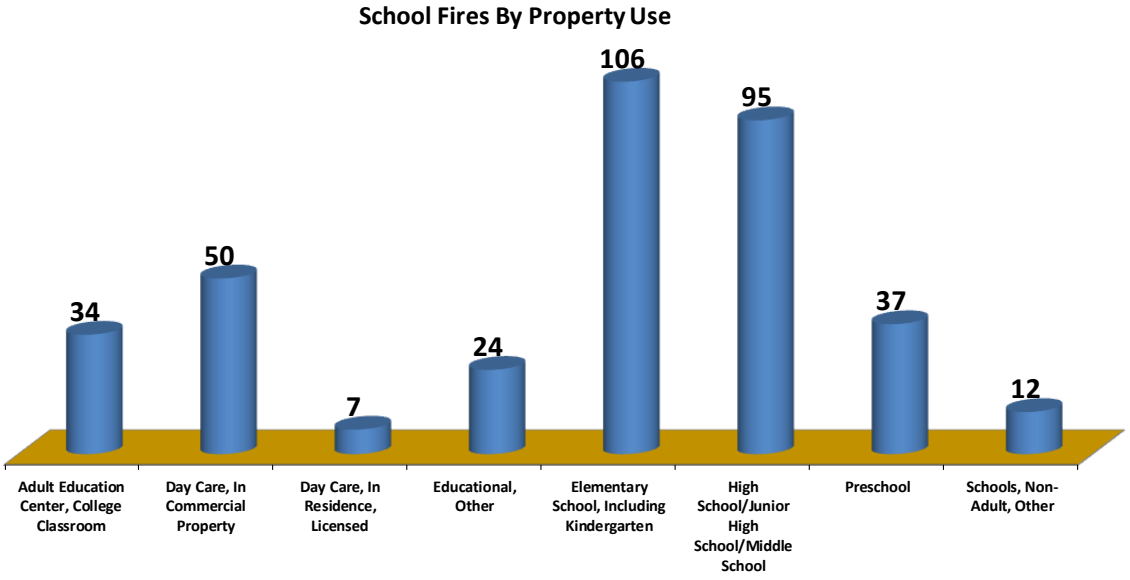
Multifamily Dwellings

Automatic Extinguishment System Operation	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Too Small To Activate The System	26	$300,000.00	$22,500.00	$1,000.00	$21,200.00	Unknown
Information Not Provided By Fire Department	17	$943,000.00	$11,500.00	$3,500.00	$1,300.00	$933,700.00
Other	1	$0.00	$0.00	$0.00	$0.00	Unknown
System Did Not Operate	7	$0.00	$0.00	$0.00	$0.00	Unknown
System Operated And Was Effective	17	$741,500.00	$31,500.00	$310,375.00	$11,750.00	$1,008,625.00
System Operated And Was Not Effective	1	$0.00	$0.00	$0.00	$0.00	Unknown
Undetermined	4	$0.00	$0.00	$0.00	$0.00	Unknown
Total	**73**	**$1,984,500.00**	**$65,500.00**	**$314,875.00**	**$34,250.00**	**$2,199,625.00**

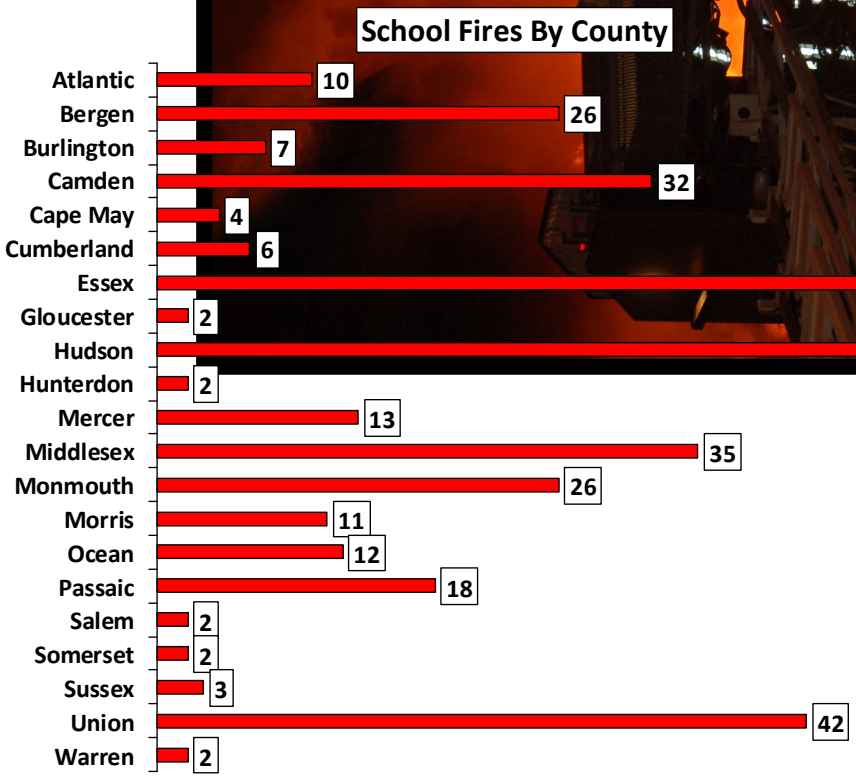
Picture courtesy of Bill Tompkins

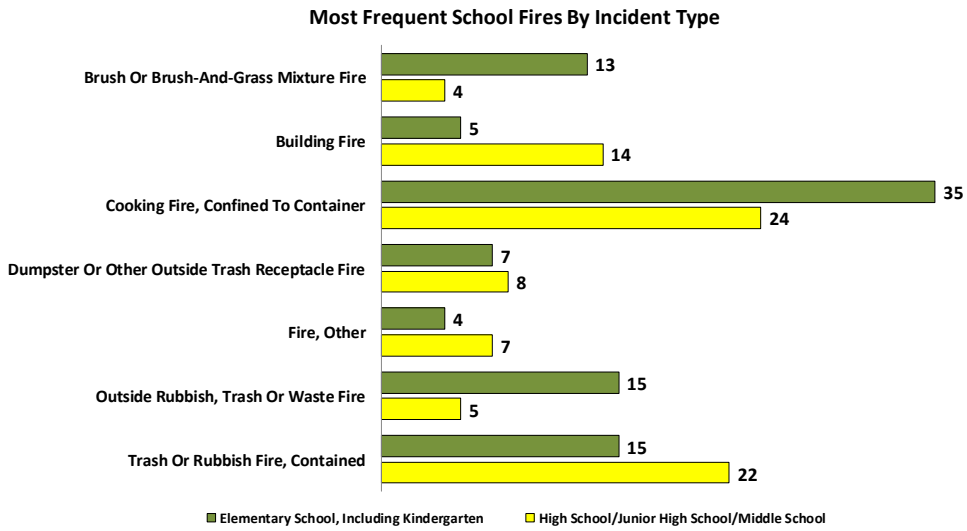
Multifamily Dwellings

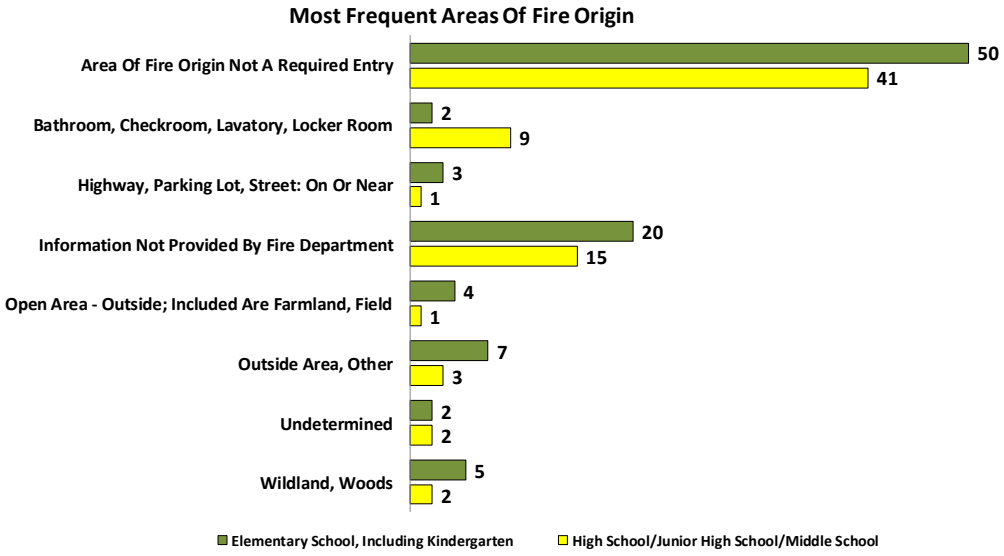
Automatic Extinguishment System Failure Reason	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Not In Area Protected By The System	7	$0.00	$0.00	$1,000.00	$1,000.00	Unknown
Other	1	$0.00	$2,500.00	$0.00	$0.00	Unknown
System Components Damaged	1	$0.00	$0.00	$0.00	$0.00	Unknown
Undetermined	1	$0.00	$0.00	$0.00	$0.00	Unknown
Total	**10**	**$0.00**	**$2,500.00**	**$1,000.00**	**$1,000.00**	**Unknown**

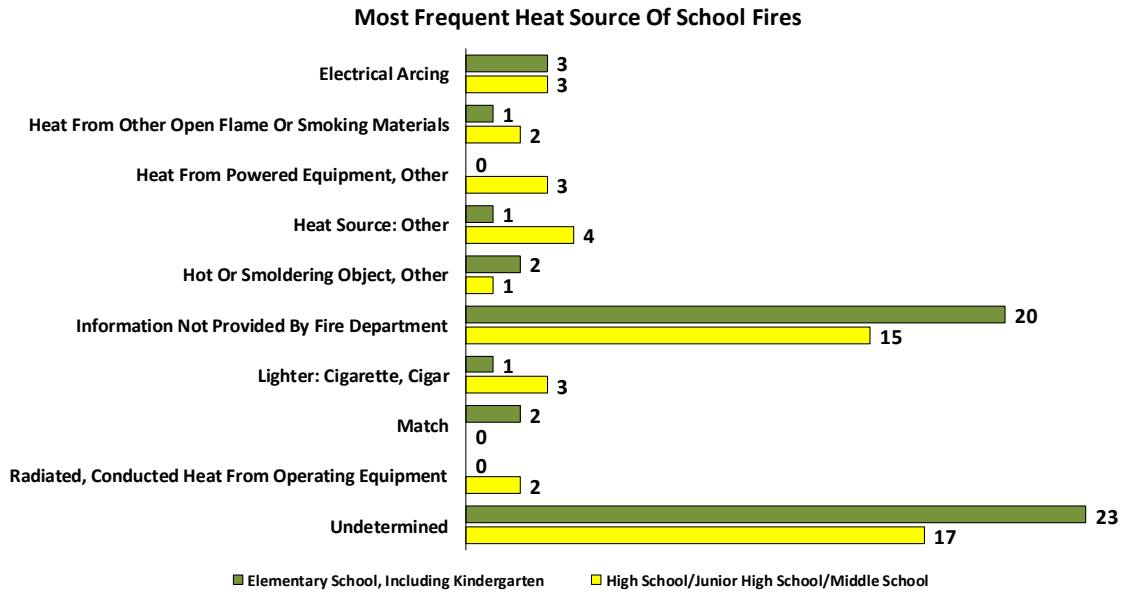


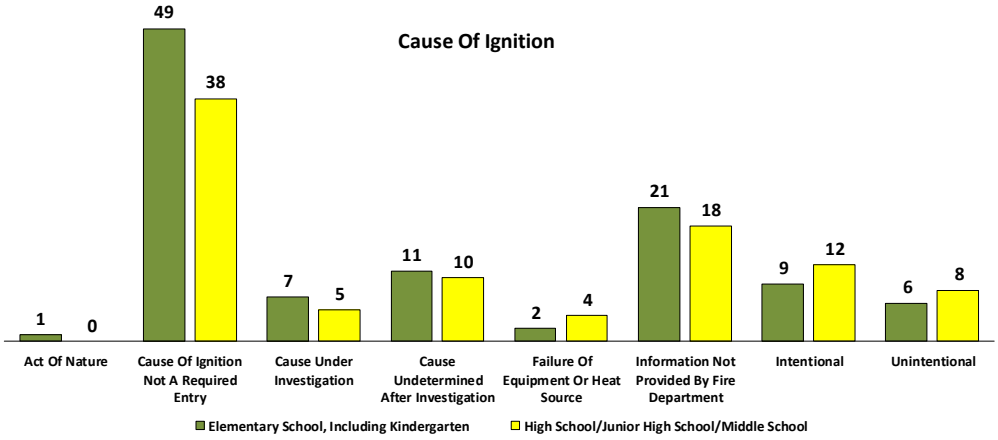
Picture courtesy of Bill Tompkins

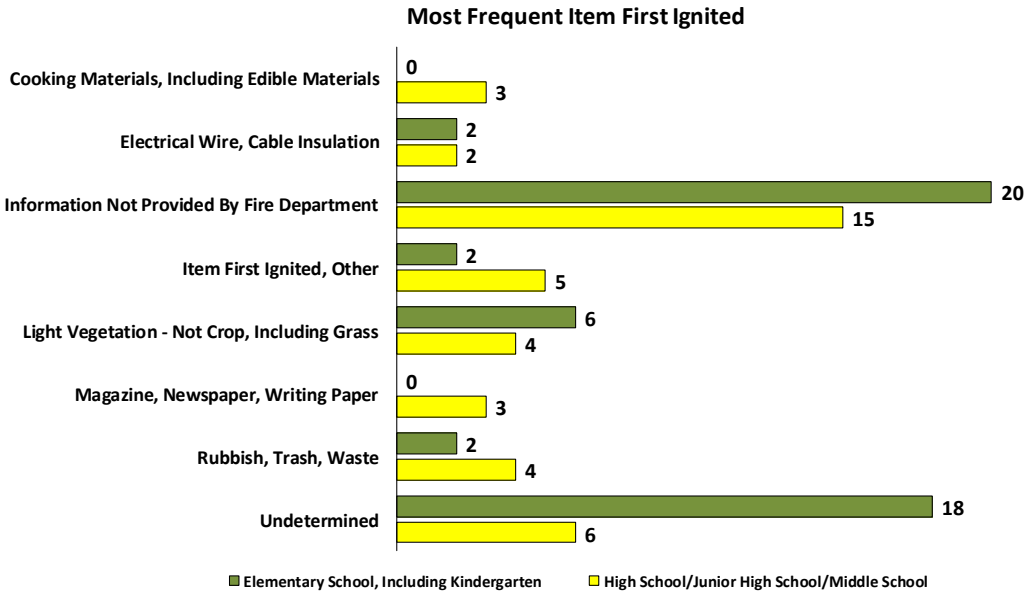



Most Frequent School Fires By Incident Type
Brush Or Brush-And-Grass Mixture Fire
13
4
Building Fire
5
14
Cooking Fire, Confined To Container
35
24
Dumpster Or Other Outside Trash Receptacle Fire
7
8
Fire, Other
4
7
Outside Rubbish, Trash Or Waste Fire
15
5
Trash Or Rubbish Fire, Contained
15
22
Elementary School, Including Kindergarten
High School/Junior High School/Middle School

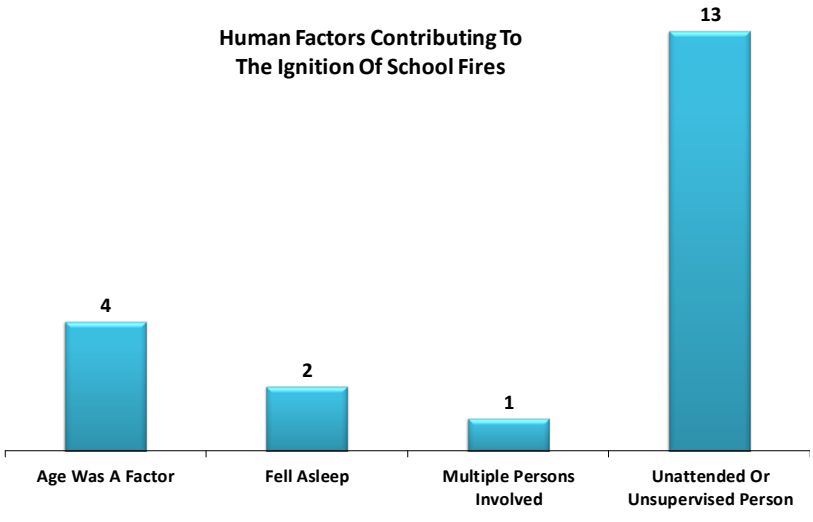

Most Frequent Areas Of Fire Origin
Area Of Fire Origin Not A Required Entry
50
41
Bathroom, Checkroom, Lavatory, Locker Room
2
9
Highway, Parking Lot, Street: On Or Near
3
1
Information Not Provided By Fire Department
20
15
Open Area - Outside; Included Are Farmland, Field
4
1
Outside Area, Other
7
3
Undetermined
2
2
Wildland, Woods
5
2
Elementary School, Including Kindergarten
High School/Junior High School/Middle School


Most Frequent Heat Source Of School Fires
Electrical Arcing
3
3
Heat From Other Open Flame Or Smoking Materials
1
2
Heat From Powered Equipment, Other
0
3
Heat Source: Other
1
4
Hot Or Smoldering Object, Other
2
1
Information Not Provided By Fire Department
20
15
Lighter: Cigarette, Cigar
1
3
Match
2
0
Radiated, Conducted Heat From Operating Equipment
0
2
Undetermined
23
17
Elementary School, Including Kindergarten
High School/Junior High School/Middle School





DATA COLLECTED FROM THE NFIRS SYSTEM AS SUBMITTED BY FIRE DEPARTMENTS			
AGE AS FACTOR CONTRIBUTING TO IGNITION			
AGE	MALE	FEMALE	TOTAL
13	1		1
15	1	1	2
16	1		1
TOTAL	3	1	4



DATA COLLECTED FROM "SCHOOL FIRE REPORT FORMS" SUBMITTED TO THE DIVISION OF FIRE SAFETY FROM FIRE OFFICIALS, FIRE MARSHALS, AND FIRE CHIEFS

	NUMBER OF JUVENILES INVOLVED BY GENDER			
AGE	FEMALE	MALE	UNKNOWN	TOTAL
9		1		1
10		2		2
12	2			2
13		1		1
15		2		2
16	1	1		2
17		3		3
UNKNOWN	2	3	10	15
TOTAL	5	13	10	28

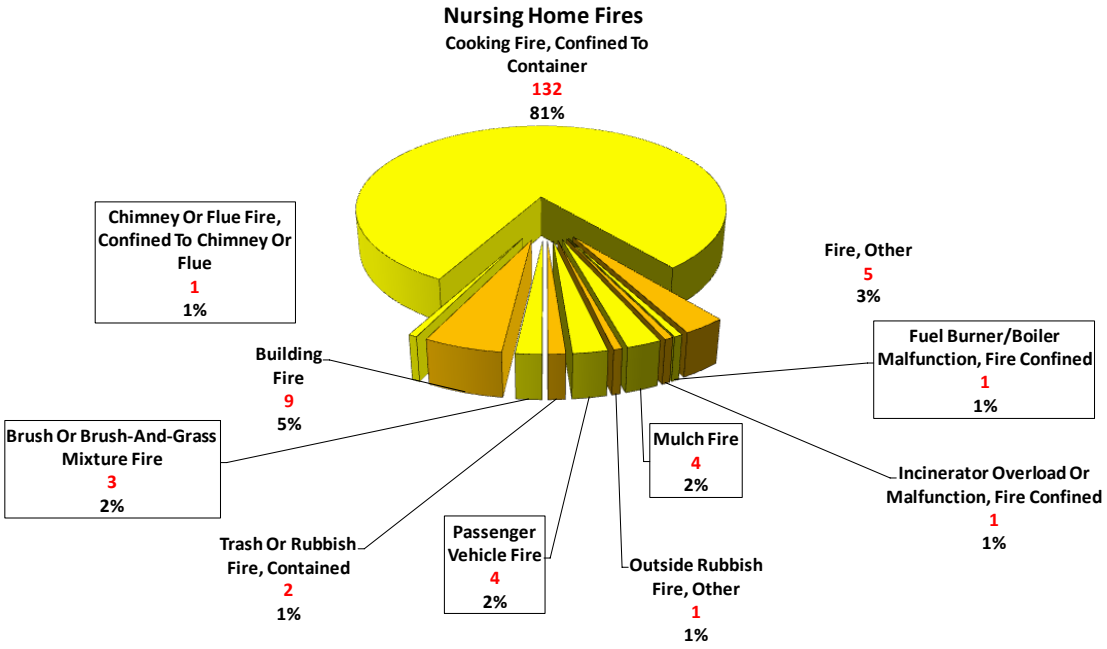
Detector Presence						
Educational Property Use	Detector Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
Adult Education Center, College Classroom	32	1			1	34
Day Care, In Commercial Property	50					50
Day Care, In Residence, Licensed	6			1		7
Educational, Other	23	1				24
Elementary School, Including Kindergarten	96	5	1	4		106
High School/Junior High School/Middle School	72	7		16		95
Preschool	33			4		37
Schools, Non-Adult, Other	8	3	1			12
Total	**320**	**17**	**2**	**25**	**1**	**365**

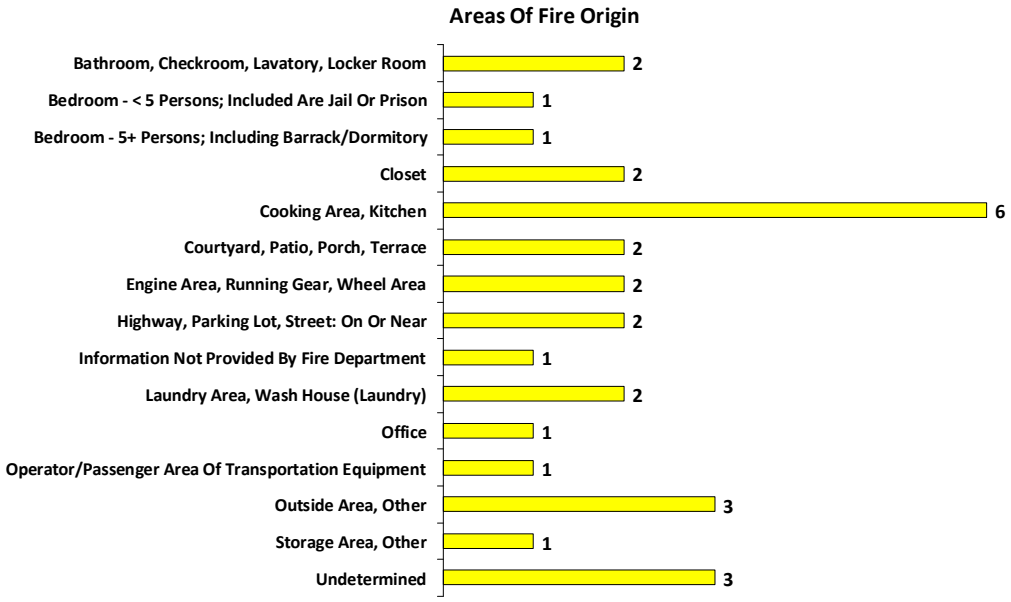
Detector Operation When Present					
Educational Property Use	Detector Failed To Operate	Detector Operated	Fire Too Small To Activate Detector	Undetermined	Total
Day Care, In Residence, Licensed		1			1
Elementary School, Including Kindergarten		1	1	2	4
High School/Junior High School/Middle School	1	10	4	1	16
Preschool		3	1		4
Total	**1**	**15**	**6**	**3**	**25**

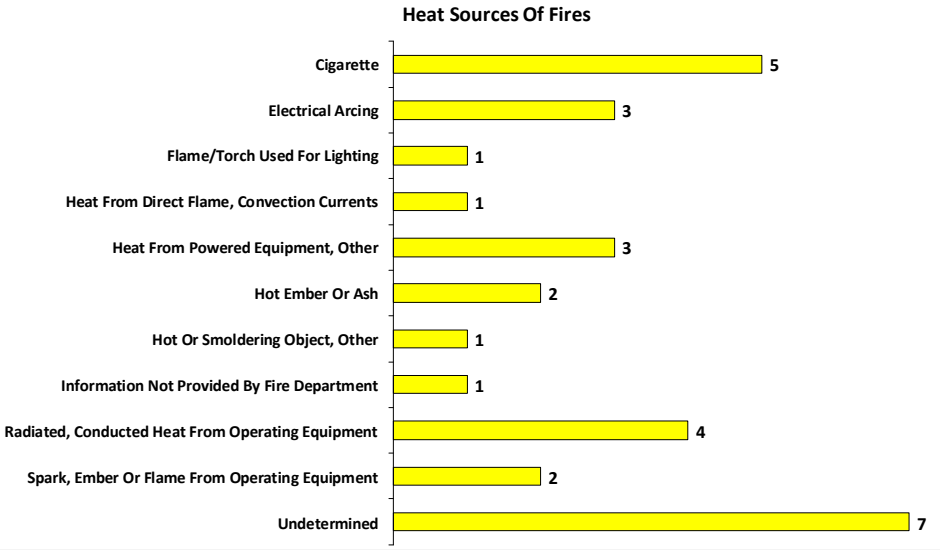
Detector Effectiveness				
Educational Property Use	Detector Alerted Occupants, Occupants Responded	There Were No Occupants	Undetermined	Total
Day Care, In Residence, Licensed	1			1
Elementary School, Including Kindergarten		1	1	2
High School/Junior High School/Middle School	8	2		10
Preschool	3			3
Total	**12**	**3**	**1**	**16**

Automatic Extinguishment System Presence						
Educational Property Use	Information Not Provided By Fire Department	None Present	Partial System Present	Present	Undetermined	Total
Adult Education Center, College Classroom	1				1	2
Day Care, In Residence, Licensed		1				1
Educational, Other	1					1
Elementary School, Including Kindergarten	5	3		2		10
High School/Junior High School/Middle School	7	9	3	3	1	23
Preschool		1		2	1	4
Schools, Non-Adult, Other	3			1		4
Total	**17**	**14**	**3**	**8**	**3**	**45**

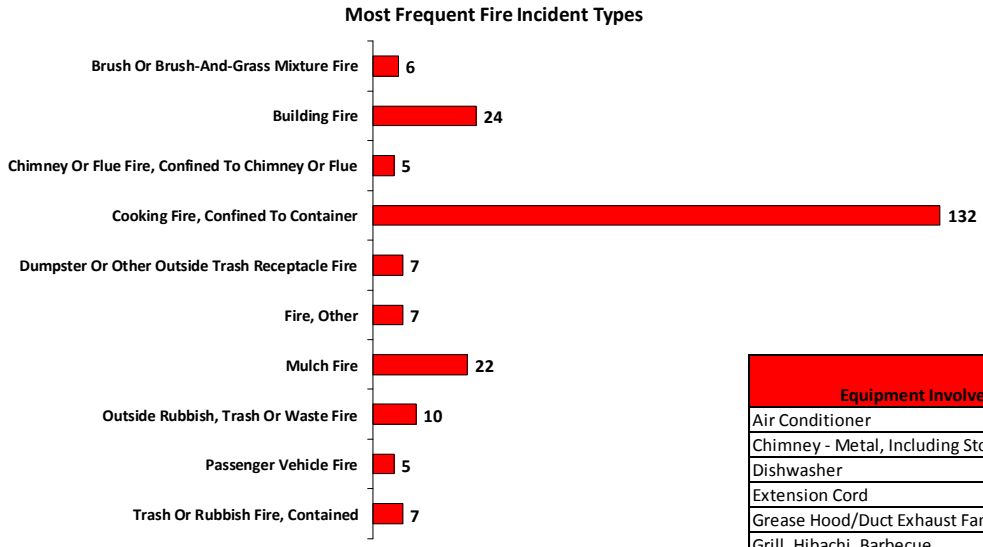
Automatic Extinguishment System Operation				
Educational Property Use	Fire Too Small To Activate The System	Information Not Provided By Fire Department	System Did Not Operate	Total
Elementary School, Including Kindergarten	1	1		2
High School/Junior High School/Middle School	4	2		6
Preschool	2			2
Schools, Non-Adult, Other			1	1
Total	**7**	**3**	**1**	**11**


Nursing Home Fires
Cooking Fire, Confined To Container
132
81%
Chimney Or Flue Fire, Confined To Chimney Or Flue
1
1%
Fire, Other
5
3%
Fuel Burner/Boiler Malfunction, Fire Confined
1
1%
Building Fire
9
5%
Brush Or Brush-And-Grass Mixture Fire
3
2%
Mulch Fire
4
2%
Incinerator Overload Or Malfunction, Fire Confined
1
1%
Trash Or Rubbish Fire, Contained
2
1%
Passenger Vehicle Fire
4
2%
Outside Rubbish Fire, Other
1
1%

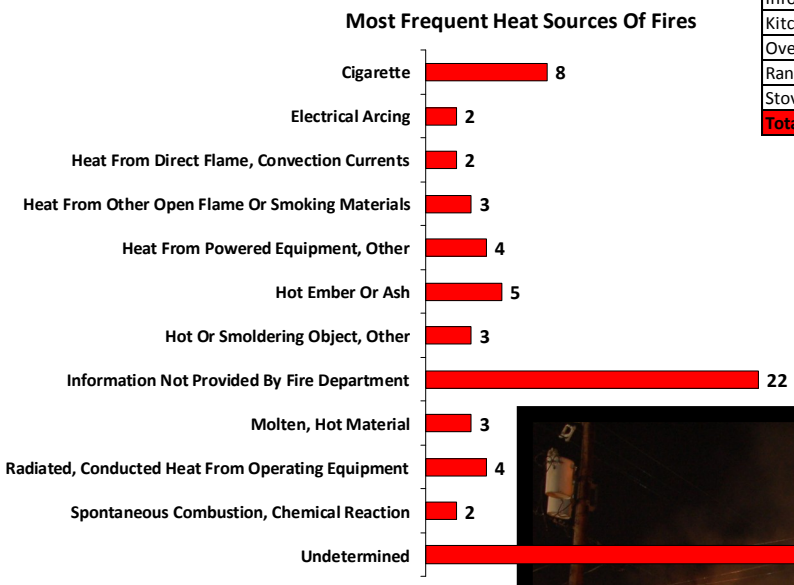

Areas Of Fire Origin
Bathroom, Checkroom, Lavatory, Locker Room 2
Bedroom - < 5 Persons; Included Are Jail Or Prison 1
Bedroom - 5+ Persons; Including Barrack/Dormitory 1
Closet 2
Cooking Area, Kitchen 6
Courtyard, Patio, Porch, Terrace 2
Engine Area, Running Gear, Wheel Area 2
Highway, Parking Lot, Street: On Or Near 2
Information Not Provided By Fire Department 1
Laundry Area, Wash House (Laundry) 2
Office 1
Operator/Passenger Area Of Transportation Equipment 1
Outside Area, Other 3
Storage Area, Other 1
Undetermined 3


Heat Sources Of Fires
Cigarette 5
Electrical Arcing 3
Flame/Torch Used For Lighting 1
Heat From Direct Flame, Convection Currents 1
Heat From Powered Equipment, Other 3
Hot Ember Or Ash 2
Hot Or Smoldering Object, Other 1
Information Not Provided By Fire Department 1
Radiated, Conducted Heat From Operating Equipment 4
Spark, Ember Or Flame From Operating Equipment 2
Undetermined 7

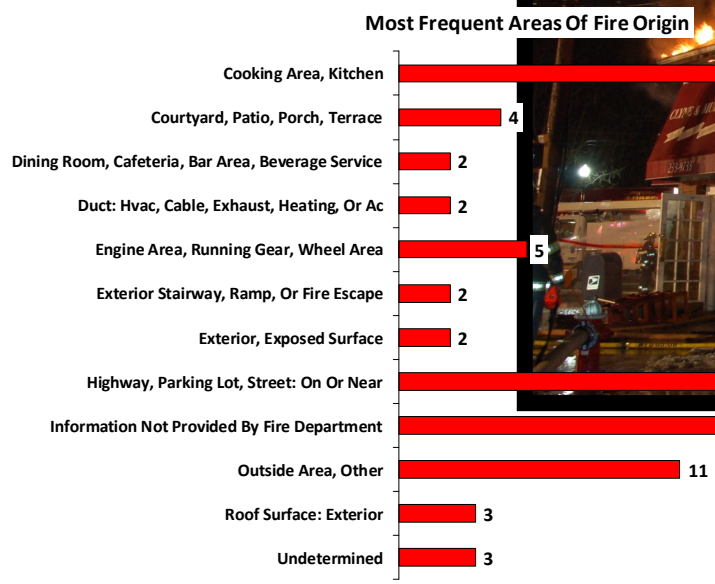
RESTAURANT FIRES



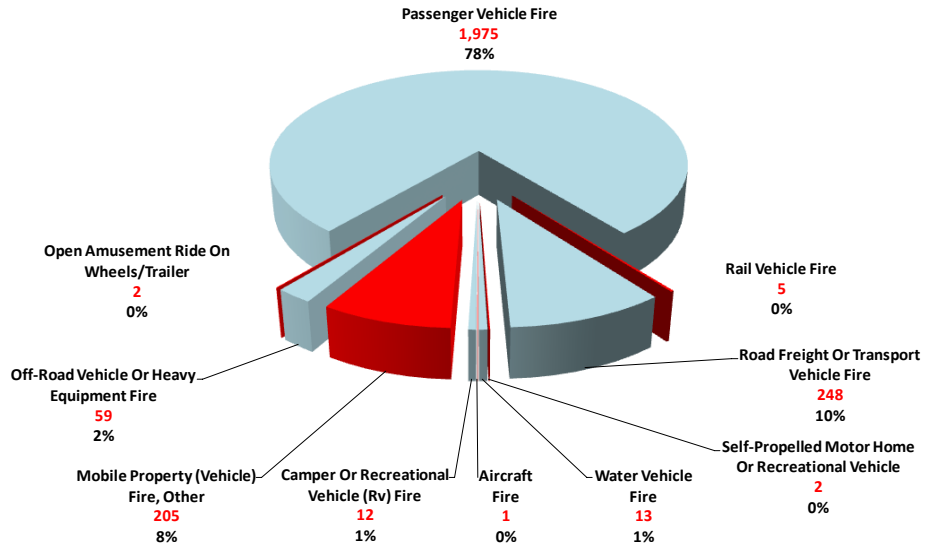
Equipment Involved In Ignition	Incidents	Property Loss	Contents Loss
Air Conditioner	1	$0.00	$0.00
Chimney - Metal, Including Stovepipe, Flue	1	$35,000.00	$800.00
Dishwasher	1	$0.00	$0.00
Extension Cord	1	$0.00	$0.00
Grease Hood/Duct Exhaust Fan	2	$500.00	$500.00
Grill, Hibachi, Barbecue	1	$0.00	$2,000.00
Information Not Provided By Fire Department	77	$102,001.00	$30,001.00
Kitchen And Cooking Equipment, Other	1	$1,500.00	$3,500.00
Oven, Rotisserie	1	$0.00	$0.00
Range With Or Without An Oven Or Cooking Surface	2	$0.00	$0.00
Stove, Heating	3	$2,500.00	$2,000.00
Total	**91**	**$141,501.00**	**$38,801.00**



Picture courtesy of Bill Tompkins



VEHICLE FIRES



Passenger Vehicle Fires

County	Incidents	Property Loss	Contents Loss
Atlantic	97	$322,000.00	$27,561.00
Bergen	129	$302,000.00	$21,352.00
Burlington	88	$210,995.00	$11,670.00
Camden	176	$70,500.00	$8,650.00
Cape May	23	$62,550.00	$4,610.00
Cumberland	64	$166,825.00	$4,200.00
Essex	170	$149,500.00	$38,812.00
Gloucester	60	$103,301.00	$1,001.00
Hudson	150	$163,608.00	$1,071.00
Hunterdon	44	$122,000.00	$2,000.00
Mercer	82	$59,236.00	$18,001.00
Middlesex	198	$135,399.00	$9,607.00
Monmouth	138	$58,000.00	$650.00
Morris	53	$93,500.00	$2,200.00
Ocean	111	$56,710.00	$5,160.00
Passaic	95	$321,700.00	$3,550.00
Salem	17	$4,000.00	$1,000.00
Somerset	46	$58,000.00	$6,000.00
Sussex	26	$47,500.00	$7,500.00
Union	175	$341,750.00	$7,450.00
Warren	33	$122,050.00	$1,710.00
Total	**1,975**	**$2,971,124.00**	**$183,755.00**

All Other Vehicle Fires

County	Incidents	Property Loss	Contents Loss
Atlantic	27	$9,500.00	$1,200.00
Bergen	32	$273,000.00	$100,500.00
Burlington	36	$288,501.00	$17,001.00
Camden	28	$0.00	$0.00
Cape May	9	$21,000.00	$1,000.00
Cumberland	16	$3,600.00	$0.00
Essex	38	$0.00	$3,000.00
Gloucester	11	$0.00	$0.00
Hudson	47	$1,020,001.00	$50,000.00
Hunterdon	21	$60,000.00	$1,000.00
Mercer	30	$860,001.00	$51.00
Middlesex	57	$763,802.00	$31,000.00
Monmouth	36	$3,000.00	$0.00
Morris	21	$23,500.00	$3,000.00
Ocean	37	$100,000.00	$500,000.00
Passaic	14	$12,500.00	$10,000.00
Salem	9	$0.00	$0.00
Somerset	21	$40,000.00	$1,000.00
Sussex	9	$0.00	$0.00
Union	39	$116,500.00	$1,000.00
Warren	9	$2,000.00	$0.00
Total	**547**	**$3,596,905.00**	**$719,752.00**

Passenger Vehicle Fires

Cause Of Ignition	Incidents	Property Loss	Contents Loss
Act Of Nature	13	$15,000.00	$0.00
Cause Under Investigation	340	$515,505.00	$19,253.00
Cause Undetermined After Investigation	471	$583,004.00	$34,522.00
Failure Of Equipment Or Heat Source	391	$584,237.00	$35,532.00
Information Not Provided By Fire Department	13	$0.00	$0.00
Intentional	46	$88,050.00	$18,372.00
Undetermined	1	$0.00	$0.00
Unintentional	700	$1,185,328.00	$76,076.00
Total	**1,975**	**$2,971,124.00**	**$183,755.00**

All Other Vehicle Fires

Cause Of Ignition	Incidents	Property Loss	Contents Loss
Cause Under Investigation	92	$923,500.00	$551,500.00
Cause Undetermined After Investigation	130	$618,502.00	$57,001.00
Failure Of Equipment Or Heat Source	130	$1,822,300.00	$8,750.00
Information Not Provided By Fire Department	8	$0.00	$0.00
Intentional	7	$600.00	$0.00
Unintentional	180	$232,003.00	$102,501.00
Total	**547**	**$3,596,905.00**	**$719,752.00**

VEHICLE FIRES

Passenger Vehicles

Most Frequent Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cargo/Trunk Area - All Vehicles	71	$100,176.00	$18,261.00
Engine Area, Running Gear, Wheel Area	1,112	$1,785,463.00	$109,827.00
Exterior, Exposed Surface	39	$59,150.00	$0.00
Fuel Tank, Fuel Line	16	$77,501.00	$3,000.00
Highway, Parking Lot, Street: On Or Near	23	$10,000.00	$0.00
Information Not Provided By Fire Department	13	$0.00	$0.00
Operator/Passenger Area Of Transportation Equipment	187	$352,101.00	$26,861.00
Other	37	$45,000.00	$6,000.00
Outside Area, Other	11	$0.00	$0.00
Undetermined	293	$341,504.00	$11,556.00
Vehicle Area, Other	147	$93,729.00	$5,250.00
Total	**1,949**	**$2,864,624.00**	**$180,755.00**

All Other Vehicles

Most Frequent Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cargo/Trunk Area - All Vehicles	50	$2,000.00	$1,200.00
Engine Area, Running Gear, Wheel Area	231	$1,182,803.00	$543,001.00
Exterior, Exposed Surface	29	$600.00	$0.00
Fuel Tank, Fuel Line	11	$853,000.00	$50.00
Highway, Parking Lot, Street: On Or Near	8	$0.00	$0.00
Information Not Provided By Fire Department	8	$0.00	$0.00
Operator/Passenger Area Of Transportation Equipment	31	$1,106,000.00	$51,000.00
Other	14	$26,000.00	$0.00
Outside Area, Other	11	$5,000.00	$0.00
Separate Operator/Control Area Of Transportation	9	$140,002.00	$102,501.00
Undetermined	66	$226,500.00	$20,000.00
Vehicle Area, Other	62	$54,000.00	$2,000.00
Total	**530**	**$3,595,905.00**	**$719,752.00**

Passenger Vehicles

Most Frequent Heat Source	Incidents	Property Loss	Contents Loss
Electrical Arcing	134	$313,611.00	$8,310.00
Heat From Powered Equipment, Other	188	$391,206.00	$26,905.00
Heat Source: Other	62	$88,051.00	$10,010.00
Heat, Spark From Friction	24	$53,300.00	$3,000.00
Hot Or Smoldering Object, Other	52	$58,500.00	$7,001.00
Information Not Provided By Fire Department	13	$0.00	$0.00
Multiple Heat Sources Including Multiple Ignitions	13	$0.00	$0.00
Radiated, Conducted Heat From Operating Equipment	131	$214,886.00	$16,750.00
Spark, Ember Or Flame From Operating Equipment	65	$41,500.00	$2,600.00
Undetermined	1,230	$1,584,070.00	$97,849.00
Total	**1,912**	**$2,745,124.00**	**$172,425.00**

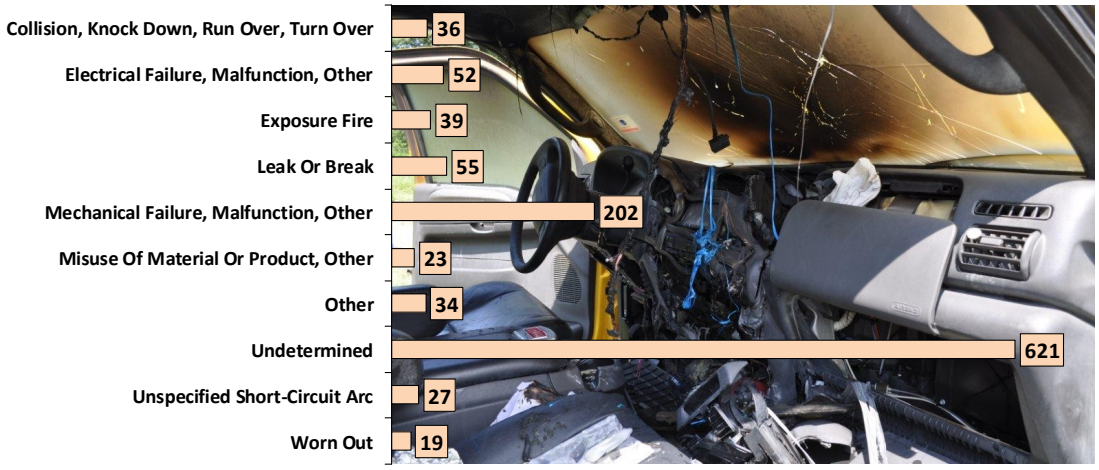
All Other Vehicles

Most Frequent Heat Source	Incidents	Property Loss	Contents Loss
Electrical Arcing	31	$1,100,000.00	$54,500.00
Heat From Powered Equipment, Other	51	$869,001.00	$1,050.00
Heat Source: Other	21	$206,000.00	$0.00
Heat, Spark From Friction	22	$140,200.00	$100,000.00
Hot Ember Or Ash	8	$500.00	$0.00
Hot Or Smoldering Object, Other	22	$0.00	$0.00
Information Not Provided By Fire Department	8	$0.00	$0.00
Radiated, Conducted Heat From Operating Equipment	50	$38,302.00	$20,500.00
Spark, Ember Or Flame From Operating Equipment	19	$8,000.00	$0.00
Undetermined	287	$1,224,302.00	$543,702.00
Total	**519**	**$3,586,305.00**	**$719,752.00**

Most Frequent Factors Contributing To Ignition

Passenger Vehicle Fires

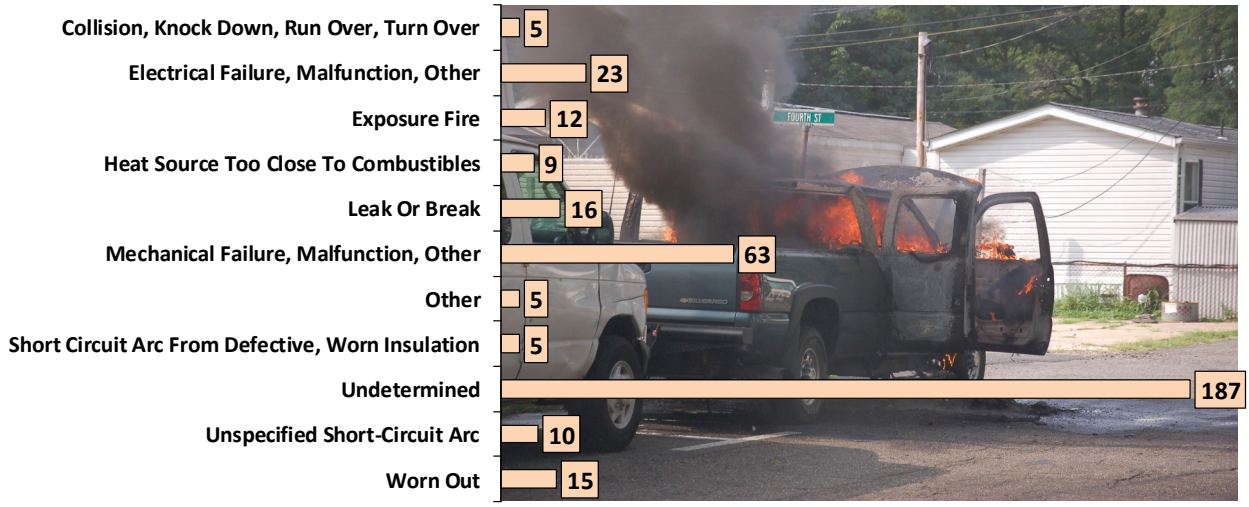
Picture courtesy of Jackie Pellek



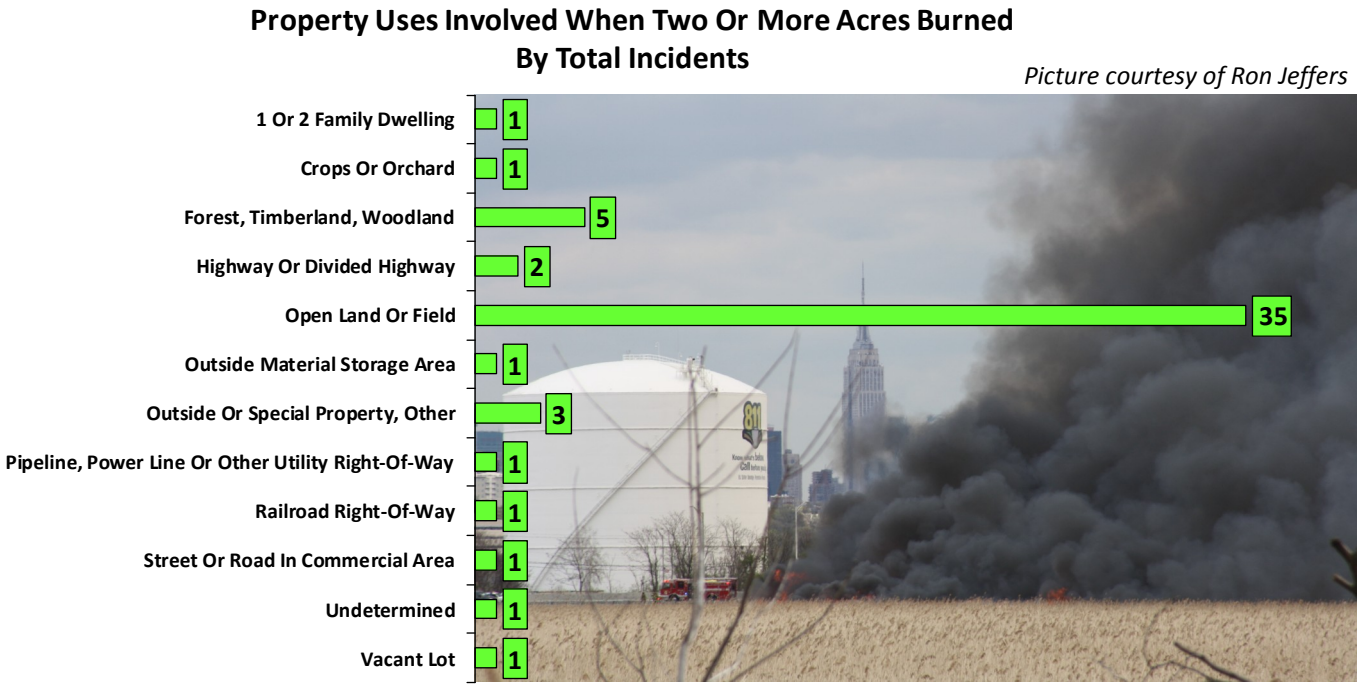
Most Frequent Factors Contributing To Ignition

All Other Vehicle Fires

Picture courtesy of Bill Tompkins

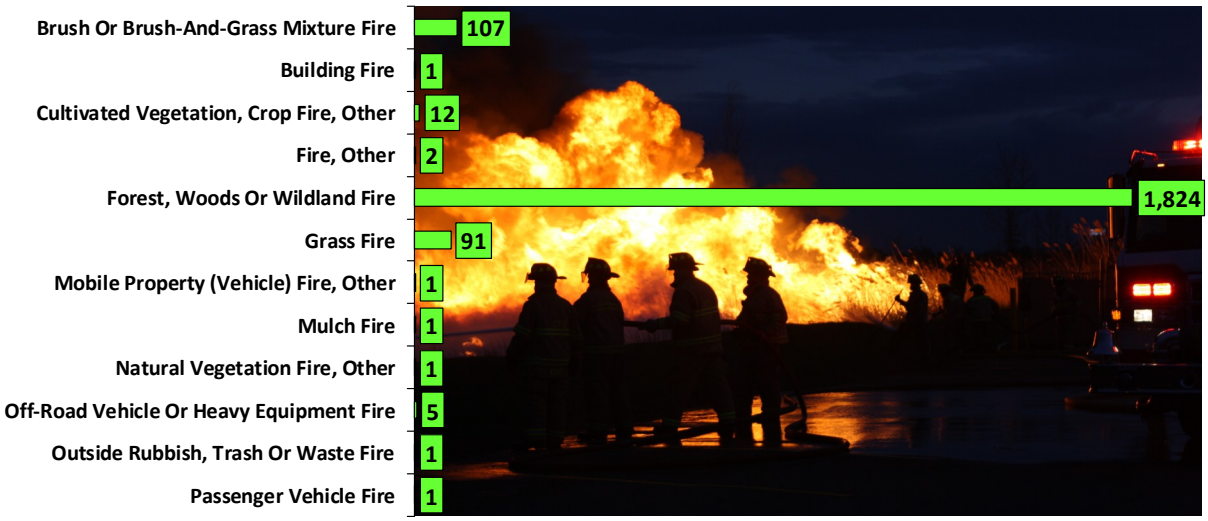


Picture courtesy of Ron Jeffers



Picture courtesy of Ron Jeffers

Total Acres Burned By Incident Type



Picture courtesy of Ron Jeffers

Cause of Ignition

Picture courtesy of Ron Jeffers

Total Acres Burned By County

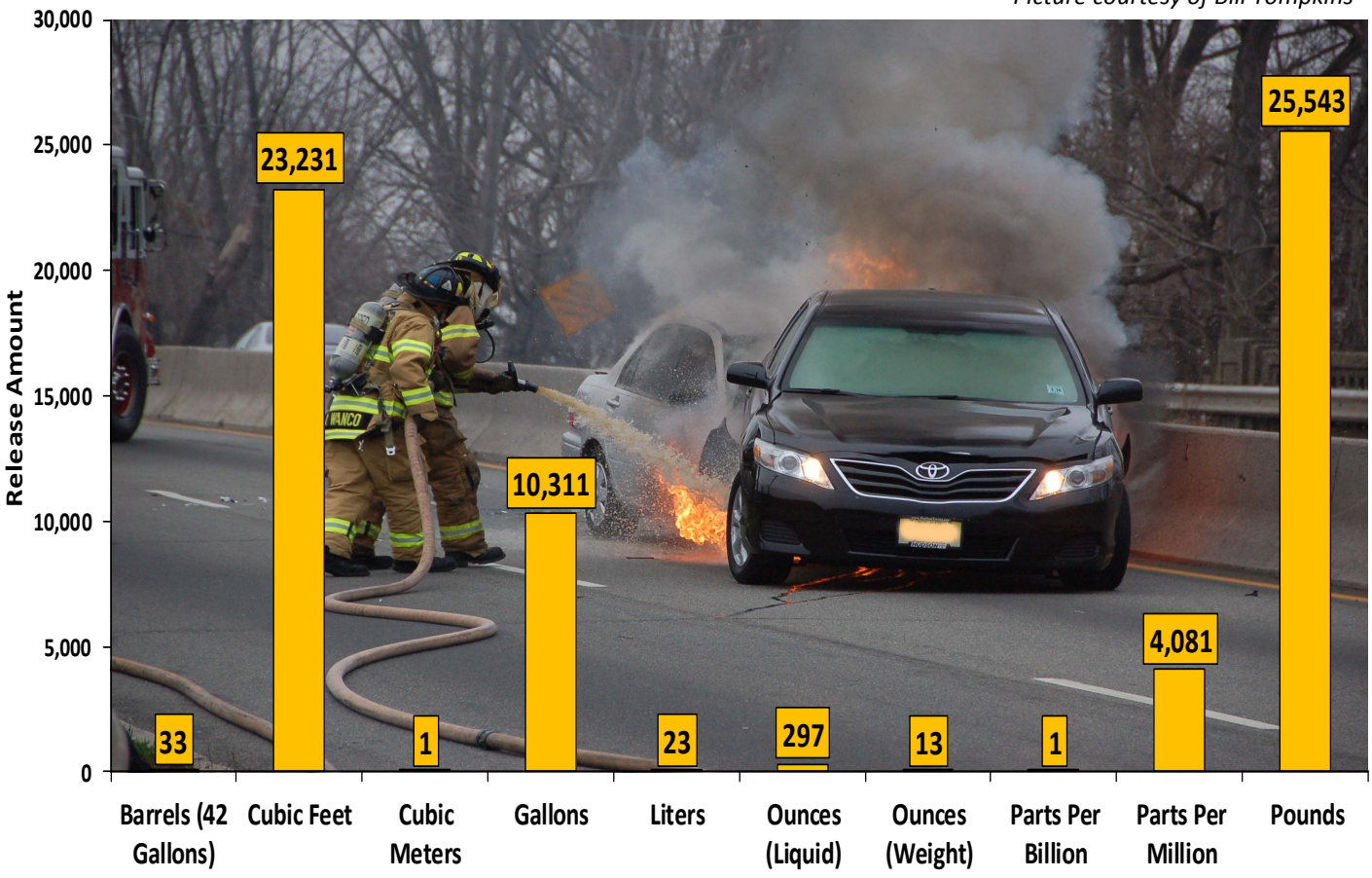
Picture courtesy of Ron Jeffers

Container Types Involved In Hazardous Materials Release Incidents And Type Of Environment Hazardous Materials Released Into

Container Type	Air	Air And Ground	Air, Water, And Ground	Confined, No Environmental Impact	Ground	Information Not Provided By Fire Department	Water	Water And Ground	Total
Bag Or Sack	1				1				**2**
Can Or Bottle				5	3				**8**
Container Type, Other					1				**1**
Cylinder	6							1	**7**
Drum				3		1		4	**8**
Fixed Container, Other				1					**1**
Hose				1	1				**2**
Information Not Provided By Fire Department	12			3	16	40	2	12	**85**
Machinery Or Process Equipment	44			171	1	3			**219**
Mobile Container, Other	1				1				**2**
None	1			1	1				**3**
Pipe Or Pipeline	24	3			2			4	**33**
Piping Associated With Mobile Product Tank Loading Or Offload	1				1				**2**
Portable Container, Other	3	1	1		4		1		**10**
Product Tank On Or Towed By Vehicle				21	1	1			**23**
Tank Or Silo	3	1		9	9			3	**25**
Undetermined	2			5	2			2	**11**
Vehicle Fuel Tank And Associated Piping		1	1	7	16	2		1	**28**
Total	**98**	**6**	**2**	**227**	**60**	**47**	**3**	**27**	**470**

Release Amount Totals Of Hazardous Materials

Picture courtesy of Bill Tompkins

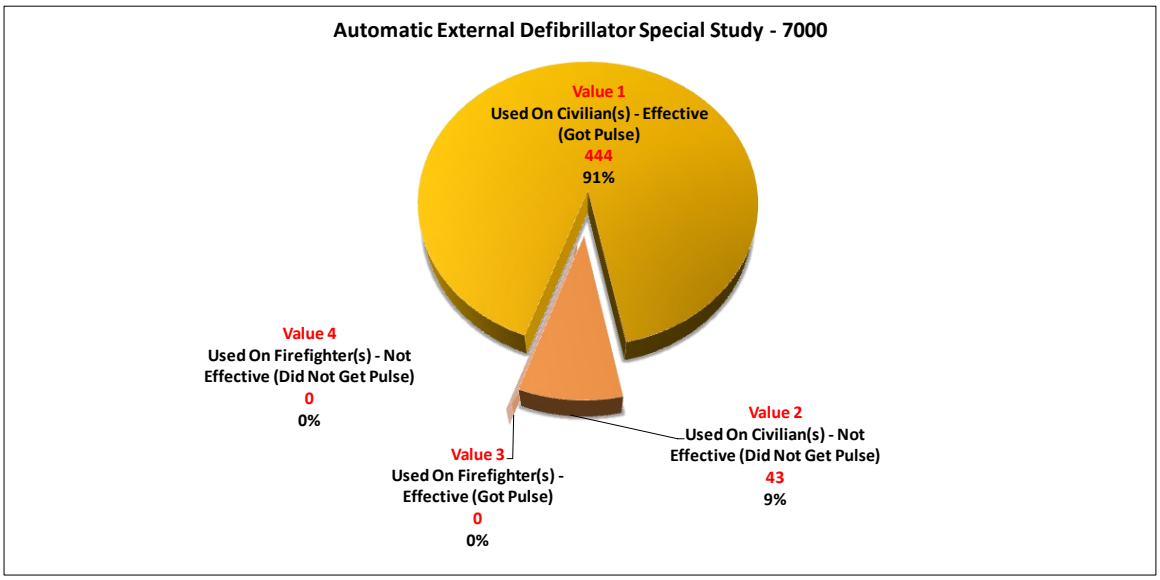


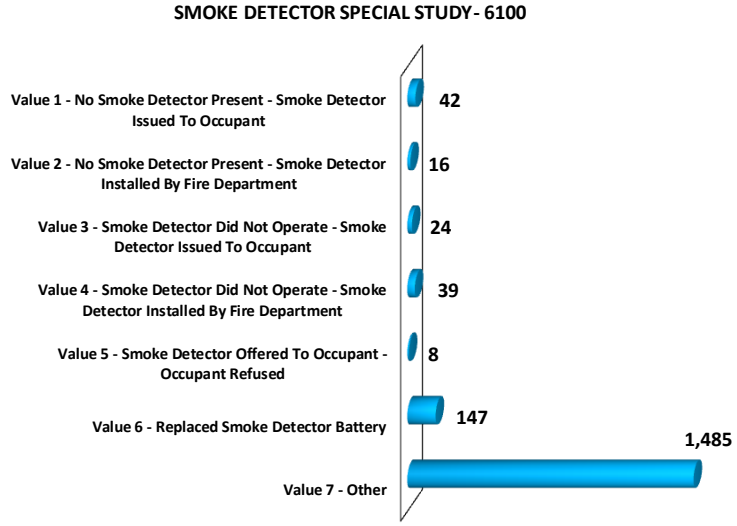
Mobile Properties Involved In Hazardous Materials Incidents

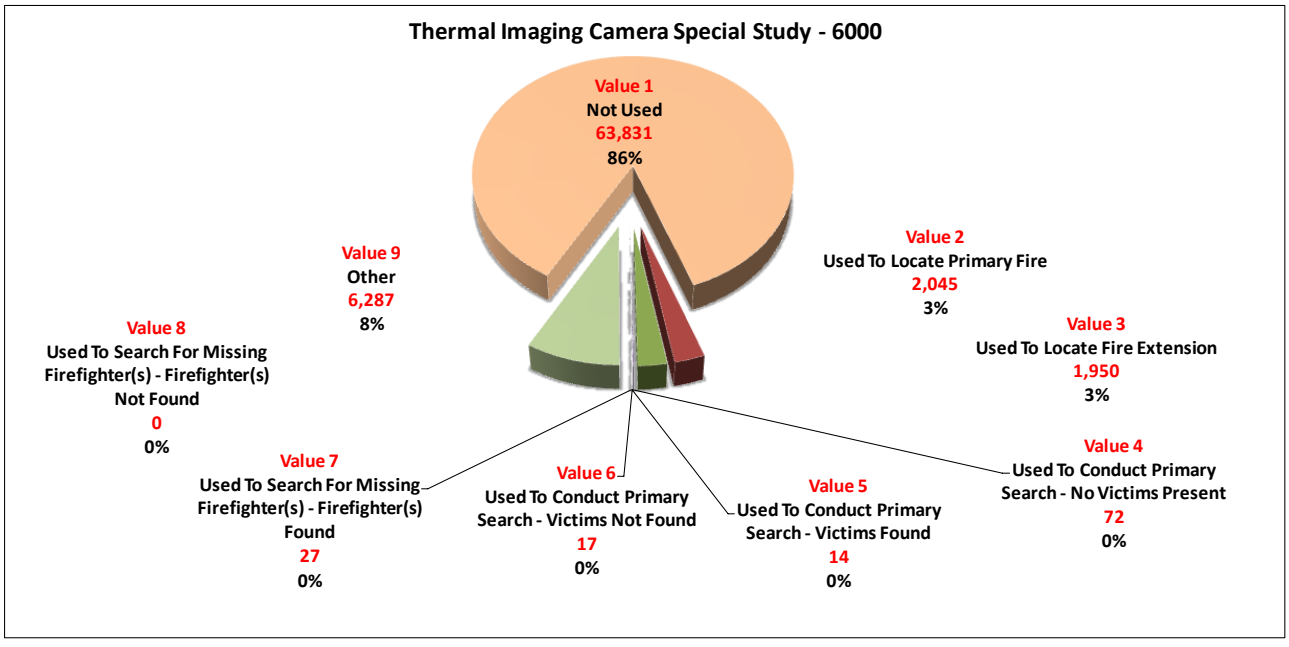
Picture courtesy of Bill Tompkins

Incident Types At Which Hazardous Materials Releases Occurred	Frequency
Air Or Gas Rupture Of Pressure Or Process Vessel	1
Biological Hazard, Confirmed Or Suspected	15
Building Fire	3
Carbon Monoxide Incident	34
Chemical Hazard (No Spill Or Leak)	5
Chemical Reaction Rupture Of Process Vessel	1
Chemical Spill Or Leak	20
Combustible/Flammable Gas/Liquid Condition, Other	8
Fire, Other	2
Gas Leak (Natural Gas Or LPG)	67
Gasoline Or Other Flammable Liquid Spill	51
Hazardous Condition, Other	4
Motor Vehicle Accident With Injuries	138
Motor Vehicle Accident With No Injuries	54
Motor Vehicle/Pedestrian Accident	4
Oil Or Other Combustible Liquid Spill	49
Outside Equipment Fire	1
Passenger Vehicle Fire	6
Refrigeration Leak	2
Road Freight Or Transport Vehicle Fire	1
Special Outside Fire, Other	1
Toxic Condition, Other	3
Total	**470**

Most Frequent Hazardous Material/Chemical Releases	Occurrence Of Release	Sum Of Release Amount	Unit Type Of Release And Amount
Antifreeze	96	197	Gallons = 197
Carbon Monoxide	31	3,890	Cubic Feet = 20 Parts Per Million = 3,870
Diesel Fuel	26	1,445	Barrels (42 Gallons) = 9 Gallons = 1,412 Ounces (Liquid) = 24
Engine Oil	95	121	Gallons = 121
Fuel Oil #2	10	5,153	Gallons = 5,153
Gasoline	47	493	Barrels (42 Gallons) = 9 Cubic Feet = 2 Gallons = 425 Ounces (Liquid) = 57
Human/Animal Bodily Fluids	16	70	Liters = 22 Ounces (Liquid) = 38 Ounces (Weight) = 10
Motor Oil	9	102	Gallons = 37 Liters = 1 Ounces (Liquid) = 64
Natural Gas	59	23,014	Cubic Feet = 22,803 Cubic Meters = 1 Parts Per Million = 210
Propane	7	249	Cubic Feet = 100 Gallons = 113 Ounces (Liquid) = 20 Pounds = 16
Total	**396**	**34,734**	


Automatic External Defibrillator Special Study - 7000
Value 1
Used On Civilian(s) - Effective (Got Pulse)
444
91%
Value 2
Used On Civilian(s) - Not Effective (Did Not Get Pulse)
43
9%
Value 3
Used On Firefighter(s) - Effective (Got Pulse)
0
0%
Value 4
Used On Firefighter(s) - Not Effective (Did Not Get Pulse)
0
0%


SMOKE DETECTOR SPECIAL STUDY- 6100
Value 1 - No Smoke Detector Present - Smoke Detector Issued To Occupant
42
Value 2 - No Smoke Detector Present - Smoke Detector Installed By Fire Department
16
Value 3 - Smoke Detector Did Not Operate - Smoke Detector Issued To Occupant
24
Value 4 - Smoke Detector Did Not Operate - Smoke Detector Installed By Fire Department
39
Value 5 - Smoke Detector Offered To Occupant - Occupant Refused
8
Value 6 - Replaced Smoke Detector Battery
147
Value 7 - Other
1,485


Thermal Imaging Camera Special Study - 6000
Value 1
Not Used
63,831
86%
Value 2
Used To Locate Primary Fire
2,045
3%
Value 3
Used To Locate Fire Extension
1,950
3%
Value 4
Used To Conduct Primary Search - No Victims Present
72
0%
Value 5
Used To Conduct Primary Search - Victims Found
14
0%
Value 6
Used To Conduct Primary Search - Victims Not Found
17
0%
Value 7
Used To Search For Missing Firefighter(s) - Firefighter(s) Found
27
0%
Value 8
Used To Search For Missing Firefighter(s) - Firefighter(s) Not Found
0
0%
Value 9
Other
6,287
8%

INCIDENT TYPE CODES

FIRE. Includes fires out on arrival and gas vapor explosions (with extremely rapid combustion).

Structure fire

111 Building fire. Excludes confined fires (113–118).
112 Fire in structure, other than in a building. Included are fires on or in piers, quays, or pilings: tunnels or underground connecting structures; bridges, trestles, or overhead elevated structures; transformers, power or utility vaults or equipment; fences; and tents.
113 Cooking fire involving the contents of a cooking vessel without fire extension beyond the vessel.
114 Chimney or flue fire originating in and confined to a chimney or flue. Excludes fires that extend beyond the chimney (111 or 112).
115 Incinerator overload or malfunction, but flames cause no damage outside the incinerator.
116 Fuel burner/boiler, delayed ignition or malfunction, where flames cause no damage outside the fire box.
117 Commercial compactor fire, confined to contents of compactor. Excluded are home trash compactors.
118 Trash or rubbish fire in a structure, with no flame damage to structure or its contents.

Fire in mobile property used as a fixed structure. *Includes mobile homes, motor homes, camping trailers.*

121 Fire in mobile home used as a fixed residence. Includes mobile homes when not in transit and used as a structure for residential purposes; and manufactured homes built on a permanent chassis.
122 Fire in a motor home, camper, or recreational vehicle when used as a structure. Includes motor homes when not in transit and used as a structure for residential purposes.
123 Fire in a portable building, when used at a fixed location. Includes portable buildings used for commerce, industry, or education and trailers used for commercial purposes.
123A Fire in a mobile building used as an amusement ride. (Enclosed rides/amusements on wheels in a fixed location, such as dark rides or funhouses, mounted on a trailer.)
120 Fire in mobile property used as a fixed structure, other.

Mobile property (vehicle) fire. *Excludes mobile properties used as a structure (120 series). If a vehicle fire occurs on a bridge and does not damage the bridge, it should be classified as a vehicle fire.*

131 Passenger vehicle fire. Includes any motorized passenger vehicle, other than a motor home (136) (e.g., pickup trucks, sport utility vehicles, buses).
132 Road freight or transport vehicle fire. Includes commercial freight hauling vehicles and contractor vans or trucks. Examples are moving trucks, plumber vans, and delivery trucks.
133 Rail vehicle fire. Includes all rail cars, including intermodal containers and passenger cars that are mounted on a rail car.
134 Water vehicle fire. Includes boats, barges, hovercraft, and all other vehicles designed for navigation on water.
135 Aircraft fire. Includes fires originating in or on an aircraft, regardless of use.
136 Self-propelled motor home or recreational vehicle. Includes only self-propelled motor homes or recreational vehicles when being used in a transport mode. Excludes those used for normal residential use (122).
137 Camper or recreational vehicle (RV) fire, not self-propelled. Includes trailers. Excludes RVs on blocks or used regularly as a fixed building (122) and the vehicle towing the camper or RV or the campers mounted on pickups (131).
137A Open amusement ride on wheels/trailer. (Fire in an open amusement ride that is on wheels or trailer mounted, used in a fixed location.)
138 Off-road vehicle or heavy equipment fire. Includes dirt bikes, specialty off-road vehicles, earth-moving equipment (bulldozers), and farm equipment.
130 Mobile property (vehicle) fire, other.

Natural vegetation fire. *Excludes crops or plants under cultivation (see 170 series).*

141 Forest, woods, or wildland fire. Includes fires involving vegetative fuels, other than prescribed fire (632), that occur in an area in which development is essentially nonexistent, except for roads, railroads, power lines, and the like. Also includes forests managed for lumber production and fires involving elevated fuels such as tree branches and crowns. Excludes areas in cultivation for agricultural purposes such as tree farms or crops (17x series).
142 Brush or brush-and-grass mixture fire. Includes ground fuels lying on or immediately above the ground such as duff, roots, dead leaves, fine dead wood, and downed logs.
142M Mulch fire.
143 Grass fire. Includes fire confined to area characterized by grass ground cover, with little or no involvement of other ground fuels; otherwise, see 142.
140 Natural vegetation fire, other.

Outside rubbish fire. *Includes all rubbish fires outside a structure or vehicle.*
151 Outside rubbish, trash, or waste fire not included in 152–155. Excludes outside rubbish fires in a container or receptacle (154).
152 Garbage dump or sanitary landfill fire.
153 Construction or demolition landfill fire.
154 Dumpster or other outside trash receptacle fire. Includes waste material from manufacturing or other production processes. Excludes materials that are not rubbish or have salvage value (161 or 162).
155 Outside stationary compactor or compacted trash fire. Includes fires where the only material burning is rubbish. Excludes fires where the compactor is damaged (162).
150 Outside rubbish fire, other.

Special outside fire. *Includes outside fires with definable value. Excludes crops and orchards (170 series).*
161 Outside storage fire on residential or commercial/industrial property, not rubbish. Includes recyclable materials at dropoff points.
162 Outside equipment fire. Includes outside trash compactors, outside HVAC units, and irrigation pumps. Excludes special structures (110 series) and mobile construction equipment (130 series).
163 Outside gas or vapor combustion explosion without sustained fire.
164 Outside mailbox fire. Includes dropoff boxes for delivery services.
160 Special outside fire, other.

Cultivated vegetation, crop fire
171 Cultivated grain or crop fire. Includes fires involving corn, wheat, soybeans, rice, and other plants before harvest.
172 Cultivated orchard or vineyard fire.
173 Cultivated trees or nursery stock fire. Includes fires involving Christmas tree farms and plants under cultivation for transport off-site for ornamental use.
170 Cultivated vegetation, crop fire, other.

Fire, other
100 Fire, other.

OVERPRESSURE, RUPTURE, EXPLOSION, OVERHEAT (NO FIRE). Excludes steam mistaken for smoke.

Overpressure rupture from steam (no ensuing fire)
211 Overpressure rupture of steam pipe or pipeline.
212 Overpressure rupture of steam boiler.
213 Overpressure rupture of pressure or process vessel from steam.
210 Overpressure rupture from steam, other.

Overpressure rupture from air or gas (no ensuing fire). *Excludes steam or water vapor.*
221 Overpressure rupture of air or gas pipe or pipeline.
222 Overpressure rupture of boiler from air or gas. Excludes steam-related overpressure ruptures.
223 Overpressure rupture of pressure or process vessel from air or gas, not steam.
220 Overpressure rupture from air or gas, other.

Overpressure rupture from chemical reaction (no ensuing fire)
231 Overpressure rupture of pressure or process vessel from a chemical reaction.

Explosion (no fire)
241 Munitions or bomb explosion (no fire). Includes explosions involving military ordnance, dynamite, nitroglycerin, plastic explosives, propellants, and similar agents with a UN classification 1.1 or 1.3. Includes primary and secondary high explosives.
242 Blasting agent explosion (no fire). Includes ammonium nitrate and fuel oil (ANFO) mixtures and explosives with a UN Classification 1.5 (also known as blasting agents).
243 Fireworks explosion (no fire). Includes all classes of fireworks.
240 Explosion (no fire), other.

Excessive heat, scorch burns with no ignition
251 Excessive heat, overheat scorch burns with no ignition. Excludes lightning strikes with no ensuing fire (814).

Overpressure rupture, explosion, overheat, other
200 Overpressure rupture, explosion, overheat, other.

RESCUE AND EMERGENCY MEDICAL SERVICE INCIDENT

Medical assist

311 Medical assist. Includes incidents where medical assistance is provided to another group/agency that has primary EMS responsibility. (Example, providing assistance to another agency-assisting EMS with moving a heavy patient.)

Emergency medical service incident

321 EMS call. Includes calls when the patient refuses treatment. Excludes vehicle accident with injury (322) and pedestrian struck (323).
322 Motor vehicle accident with injuries. Includes collision with other vehicle, fixed objects, or loss of control resulting in leaving the roadway.
323 Motor vehicle/pedestrian accident (MV Ped). Includes any motor vehicle accident involving a pedestrian injury.
324 Motor vehicle accident with no injuries.

Lock-In

331 Lock-in. Includes opening locked vehicles and gaining entry to locked areas for access by caretakers or rescuers, such as a child locked in a bathroom. Excludes lock-outs (511).

Search for lost person

341 Search for person on land. Includes lost hikers and children, even where there is an incidental search of local bodies of water, such as a creek or river.
342 Search for person in water. Includes shoreline searches incidental to a reported drowning call.
343 Search for person underground. Includes caves, mines, tunnels, and the like.
340 Search for lost person, other.

Extrication, rescue

351 Extrication of victim(s) from building or structure, such as a building collapse. Excludes high-angle rescue (356).
352 Extrication of victim(s) from vehicle. Includes rescues from vehicles hanging off a bridge or cliff.
353 Removal of victim(s) from stalled elevator.
354 Trench/below-grade rescue.
355 Confined space rescue. Includes rescues from the interiors of tanks, including areas with potential for hazardous atmospheres such as silos, wells, and tunnels.
356 High-angle rescue. Includes rope rescue and rescues off of structures.
357 Extrication of victim(s) from machinery. Includes extrication from farm or industrial equipment.
350 Extrication, rescue, other.

Water and ice-related rescue

361 Swimming/recreational water areas rescue. Includes pools and ponds. Excludes ice rescue (362).
362 Ice rescue. Includes only cases where victim is stranded on ice or has fallen through ice.
363 Swift-water rescue. Includes flash flood conditions.
364 Surf rescue.
365 Watercraft rescue. Excludes rescues near the shore and in swimming/recreational areas (361). Includes people falling overboard at a significant distance from land.
360 Water and ice-related rescue, other.

Electrical rescue

371 Electrocution or potential electrocution. Excludes people trapped by power lines (372).
372 Trapped by power lines. Includes people trapped by downed or dangling power lines or other energized electrical equipment.
370 Electrical rescue, other.

Rescue or EMS standby

381 Rescue or EMS standby for hazardous conditions. Excludes aircraft standby (462).

Rescue, emergency medical service (EMS) incident, other

300 Rescue and EMS incident, other.

HAZARDOUS CONDITION (NO FIRE)

Combustible/flammable spills and leaks
411 Gasoline or other flammable liquid spill (flash point below 100 degrees F at standard temperature and pressure (Class I)).
412 Gas leak (natural gas or LPG). Excludes gas odors with no source found (671).
413 Oil or other combustible liquid spill (flash point at or above 100 degrees F at standard temperature and pressure (Class II or III)).
410 Combustible and flammable gas or liquid spills or leaks, other.

Chemical release, reaction, or toxic condition
421 Chemical hazard (no spill or leak). Includes the potential for spills or leaks.
422 Chemical spill or leak. Includes unstable, reactive, explosive material.
423 Refrigeration leak. Includes ammonia.
424 Carbon monoxide incident. Excludes incidents with nothing found (736 or 746).
420 Toxic chemical condition, other.

Radioactive condition
431 Radiation leak, radioactive material. Includes release of radiation due to breaching of container or other accidental release.
430 Radioactive condition, other.

Electrical wiring/equipment problem
441 Heat from short circuit (wiring), defective or worn insulation.
442 Overheated motor or wiring.
443 Breakdown of light ballast.
444 Power line down. Excludes people trapped by downed power lines (372).
445 Arcing, shorted electrical equipment.
440 Electrical wiring/equipment problem, other.

Biological hazard
451 Biological hazard, confirmed or suspected.

Accident, potential accident
461 Building or structure weakened or collapsed. Excludes incidents where people are trapped (351).
462 Aircraft standby. Includes routine standby for takeoff and landing as well as emergency alerts at airports.
463 Vehicle accident, general cleanup. Includes incidents where FD is dispatched after the accident to clear away debris. Excludes extrication from vehicle (352) and flammable liquid spills (411 or 413).
460 Accident, potential accident, other.

Explosive, bomb removal
471 Explosive, bomb removal. Includes disarming, rendering safe, and disposing of bombs or suspected devices. Excludes bomb scare (721).

Attempted burning, illegal action
481 Attempt to burn. Includes situations in which incendiary devices fail to function.
482 Threat to burn. Includes verbal threats and persons threatening to set themselves on fire. Excludes an attempted burning (481).
480 Attempted burning, illegal action, other.

Hazardous condition, other
400 Hazardous condition (no fire), other.

INCIDENT TYPE CODES

SERVICE CALL

Person in distress
511 Lock-out. Includes efforts to remove keys from locked vehicles. Excludes lock-ins (331).
512 Ring or jewelry removal, without transport to hospital. Excludes persons injured (321).
510 Person in distress, other.

Water problem
521 Water (not people) evacuation. Includes the removal of water from basements. Excludes water rescues (360 series).
522 Water or steam leak. Includes open hydrant. Excludes overpressure ruptures (211).
520 Water problem, other.

Smoke, odor problem
531 Smoke or odor removal. Excludes the removal of any hazardous materials.

Animal problem or rescue
541 Animal problem. Includes persons trapped by an animal or an animal on the loose.
542 Animal rescue.
540 Animal problem or rescue, other.

Public service assistance
551 Assist police or other governmental agency. Includes forcible entry and the provision of lighting.
552 Police matter. Includes incidents where FD is called to a scene that should be handled by the police.
553 Public service. Excludes service to governmental agencies (551 or 552).
554 Assist invalid. Includes incidents where the invalid calls the FD for routine help, such as assisting a person in returning to bed or chair, with no transport or medical treatment given.
555 Defective elevator, no occupants.
550 Public service assistance, other.

Unauthorized burning
561 Unauthorized burning. Includes fires that are under control and not endangering property.

Cover assignment, standby at fire station, move-up
571 Cover assignment, assist other fire agency such as standby at a fire station or move-up.

Service call, other
500 Service call, other.

GOOD INTENT CALL

Dispatched and canceled en route
611 Dispatched and canceled en route. Incident cleared or canceled prior to arrival of the responding unit. If a unit arrives on the scene, fill out the applicable code.

Wrong location, no emergency found
621 Wrong location. Excludes malicious false alarms (710 series).
622 No incident found on arrival at dispatch address.

Controlled burning
631 Authorized controlled burning. Includes fires that are agricultural in nature and managed by the property owner. Excludes unauthorized controlled burning (561) and prescribed fires (632).
632 Prescribed fire. Includes fires ignited by management actions to meet specific objectives and have a written, approved prescribed fire plan prior to ignition. Excludes authorized controlled burning (631).

Vicinity alarm
641 Vicinity alarm (incident in other location). For use only when an erroneous report is received for a legitimate incident. Includes separate locations reported for an actual fire and multiple boxes pulled for one fire.

Steam, other gas mistaken for smoke
651 Smoke scare, odor of smoke, not steam (652). Excludes gas scares or odors of gas (671).
652 Steam, vapor, fog, or dust thought to be smoke.
653 Smoke from barbecue or tar kettle (no hostile fire).
650 Steam, other gas mistaken for smoke, other.

EMS call where party has been transported
661 EMS call where injured party has been transported by a non-fire service agency or left the scene prior to arrival.

HazMat release investigation w/no HazMat found
671 Hazardous material release investigation with no hazardous condition found. Includes odor of gas with no leak/gas found.
672 Biological hazard investigation with no hazardous condition found.

Good intent call, other
600 Good intent call, other.

FALSE ALARM AND FALSE CALL

Malicious, mischievous false alarm
711 Municipal alarm system, malicious false alarm. Includes alarms transmitted on street fire alarm boxes.
712 Direct tie to fire department, malicious false alarm. Includes malicious alarms transmitted via fire alarm system directly tied to the fire department, not via dialed telephone.
713 Telephone, malicious false alarm. Includes false alarms transmitted via the public telephone network using the local emergency reporting number of the fire department or another emergency service agency.
714 Central station, malicious false alarm. Includes malicious false alarms via a central-station-monitored fire alarm system.
715 Local alarm system, malicious false alarm. Includes malicious false alarms reported via telephone or other means as a result of activation of a local fire alarm system.
710 Malicious, mischievous false alarm, other.

Bomb scare
721 Bomb scare (no bomb).

System or detector malfunction. *Includes improper performance of fire alarm system that is not a result of a proper system response to environmental stimuli such as smoke or high heat conditions.*
731 Sprinkler activated due to the failure or malfunction of the sprinkler system. Includes any failure of sprinkler equipment that leads to sprinkler activation with no fire present. Excludes unintentional operation caused by damage to the sprinkler system (740 series).
732 Extinguishing system activation due to malfunction.
733 Smoke detector activation due to malfunction.
734 Heat detector activation due to malfunction.
735 Alarm system activation due to malfunction.
736 Carbon monoxide detector activation due to malfunction.
730 System or detector malfunction, other.

Unintentional system or detector operation (no fire). *Includes tripping an interior device accidentally.*
741 Sprinkler activation (no fire), unintentional. Includes testing the sprinkler system without fire department notification.
742 Extinguishing system activation. Includes testing the extinguishing system without fire department notification.
743 Smoke detector activation (no fire), unintentional. Includes proper system responses to environmental stimuli such as non-hostile smoke.
744 Detector activation (no fire), unintentional. A result of a proper system response to environmental stimuli such as high heat conditions
745 Alarm system activation (no fire), unintentional.
746 Carbon monoxide detector activation (no carbon monoxide detected). Excludes carbon monoxide detector malfunction.
740 Unintentional transmission of alarm, other.

Biohazard scare
751 Biological hazard, malicious false report.

False alarm and false call, other
700 False alarm or false call, other.

SEVERE WEATHER AND NATURAL DISASTER

811 Earthquake assessment, no rescue or other service rendered.
812 Flood assessment. Excludes water rescue (360 series).
813 Wind storm. Includes tornado, hurricane, or cyclone assessment. No other service rendered.
814 Lightning strike (no fire). Includes investigation.
815 Severe weather or natural disaster standby.
800 Severe weather or natural disaster, other.

SPECIAL INCIDENT TYPE

Citizen complaint
911 Citizen's complaint. Includes reports of code or ordinance violation.

Special type of incident, other
900 Special type of incident, other.