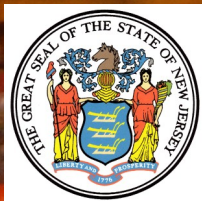




FIRE IN NEW JERSEY 2013



Division of Fire Safety
State of New Jersey
Department of Community Affairs



PAGE INTENTIONALLY LEFT BLANK



State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
101 SOUTH BROAD STREET
PO Box 809
TRENTON, NJ 08625-0809

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

RICHARD E. CONSTABLE, III
Commissioner

July, 2014

The Department of Community Affairs and its Division of Fire Safety are pleased to present *Fire in New Jersey, 2013*. This annual report analyses data provided voluntarily from over 85% 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.

Richard E. Constable, III
Commissioner

William Kramer, Jr.
Director/Acting State Fire Marshal



The background of the entire page is a photograph of an American flag waving in the wind against a clear blue sky with some light clouds. The flag is positioned vertically, with the top of the flag near the top of the page and the bottom near the bottom. The colors are vibrant, with the red and white stripes and the blue field with white stars clearly visible.

DEDICATION

We honor the firefighters who selflessly gave their lives
to protect the citizens of their communities.

Barry Stires

New Jersey Division of Fire Safety

Jeffrey Scheuerer

New Jersey Forest Fire Service

Robert Winemiller

Spring Lake Fire Department

Kevin M. Perrone

Lanoka Harbor Fire Department

David Lidke

Hightstown Engine Company # 1

FIRE IN NEW JERSEY

2013

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



TABLE OF CONTENTS

<u>Introduction</u>	<u>8</u>
<u>NFIRS Contact Information</u>	<u>9</u>
<u>Report Contents</u>	<u>10</u>
<u>Fast Stats</u>	<u>11</u>
<u>Fire Clock</u>	<u>12</u>
<u>Firefighter Line-of-Duty Deaths</u>	<u>13</u>
<u>Firefighter Injuries</u>	<u>14</u>
<u>Cause of Firefighter Injuries</u>	<u>15</u>
<u>Severity of Firefighter Injuries</u>	<u>16</u>
<u>Civilian Fire Fatalities</u>	<u>19</u>
<u>Civilian Fire Fatalities by Property Uses</u>	<u>21</u>
<u>Reported Causes of Civilian Fire Fatalities</u>	<u>22</u>
<u>Civilian Fire Fatalities and Detector Presence</u>	<u>23</u>
<u>Civilian Fire Injuries</u>	<u>24</u>
<u>Fire Department Responses</u>	<u>29</u>
<u>Fire Incidents by Month</u>	<u>31</u>
<u>Fire Incidents</u>	<u>33</u>
<u>Structure Fires by Property Use Categories</u>	<u>36</u>
<u>Cause of Ignition</u>	<u>38</u>
<u>Factors Contributing to Ignition</u>	<u>39</u>
<u>Fire Suppression Factors</u>	<u>40</u>
<u>Equipment Involved in Ignition</u>	<u>42</u>
<u>Heat Sources of Fires</u>	<u>45</u>
<u>Area of Fire Origin</u>	<u>48</u>
<u>Detector Presence and Performance</u>	<u>52</u>
<u>Automatic Extinguishment System Presence and Performance</u>	<u>57</u>
<u>School Fires</u>	<u>62</u>
<u>Other Property Use Fires</u>	<u>66</u>
<u>Vehicle Fires</u>	<u>67</u>
<u>Wildland Fires</u>	<u>70</u>
<u>Hazardous Materials Releases</u>	<u>72</u>
<u>Special Studies</u>	<u>74</u>
<u>Incident Type Codes & Descriptions</u>	<u>75</u>

INTRODUCTION

FIRE IN NEW JERSEY 2013 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 [75 to 81](#) for a complete list of incident types.



Picture courtesy of Bill Tompkins:
North Bergen, New Jersey; September 28, 2013

Front cover picture courtesy of Chris Tompkins—*Garfield, New Jersey; March 19, 2013*

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.

Heather Puskar-Allen
Supervisor/Program Manager
(609) 984-3476
heather.puskar@dca.state.nj.us

Frederick Connin
Field Representative
(Retired October 2013)
(609) 462-7162
fred.connin@dca.state.nj.us

Steven Hearn
Field Representative
(609) 947-7528
steven.hearn@dca.state.nj.us

Sonia Salva
Technical Support Specialist
(609) 984-3476
sonia.salva@dca.state.nj.us

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

REPORT CONTENTS

The 2013 data presented in this report is representative of the incident data that was submitted to the Division of Fire Safety's NFIRS Unit by March 17, 2014. 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 385,149 times to 338,303 incidents in 2013.

Data submission is broken down as follows:

Of the 729 fire departments in the state, 646 (88%) submitted data.

Note: 41 fire departments submitted less than six months of data.

83 fire departments did not submit any data.

Please Note: 259 (40%) of the 646 fire departments that reported, submitted dollar loss information.

Picture courtesy of Chris Tompkins:
Paterson, New Jersey; January 27, 2013



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 2013 totals unless otherwise specified.

FAST STATS FOR 2013

- ◆ 4 firefighters died in the line of duty. ([Page 13](#))
- ◆ 453 firefighter injuries were reported. ([Page 14](#))
- ◆ 60 civilians lost their lives as a result of fire. ([Page 19](#))
- ◆ 50 (83%) of all civilian fire fatalities occurred in residential properties. ([Page 21](#))
 - 36 (60%) in 1 or 2 family dwellings
 - 11 (18%) in multifamily dwellings
- ◆ 219 civilians were reported injured as a result of fire. ([Page 24](#))
- ◆ 471 civilians were reported revived by fire departments using an automatic external defibrillator. ([Page 74](#))
- ◆ 23,403 fires were reported. ([Page 33](#))
- ◆ 14,096 structure fires were reported. ([Page 36](#))
- ◆ 80% of all reported structure fires involved residential properties. ([Page 36](#))
- ◆ 55% of reported residential fires occurred in 1 or 2 family dwellings. ([Page 34](#))
- ◆ 256 fires were reported intentionally set in residential properties. ([Page 38](#))
- ◆ 76% of all reported vehicle fires involved passenger vehicles. ([Page 67](#))
- ◆ 7 civilian fire fatalities occurred in vehicles. ([Page 21](#))
- ◆ 25 passenger vehicle fires were reported intentionally set. ([Page 68](#))
- ◆ 1,613 acres were reported burned. ([Page 70](#))
- ◆ 328 school fires were reported. ([Page 62](#))
- ◆ 8% of all reported incident responses were fire incidents. ([Page 29](#))

2013 FIRE CLOCK

One firefighter injury
occurred every
19 hours 19 minutes



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



One structure fire
occurred every
**37 minutes
17 seconds**

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



One civilian fire injury
occurred every
40 hours



Fire departments responded to
fire incidents every
16 minutes 42 seconds



One confined fire
occurred every
**49 minutes
55 seconds**

One school fire
occurred every
**26 hours
42 minutes**

Pictures courtesy of Ron Jeffers:
Harrison, New Jersey; March 10, 2013

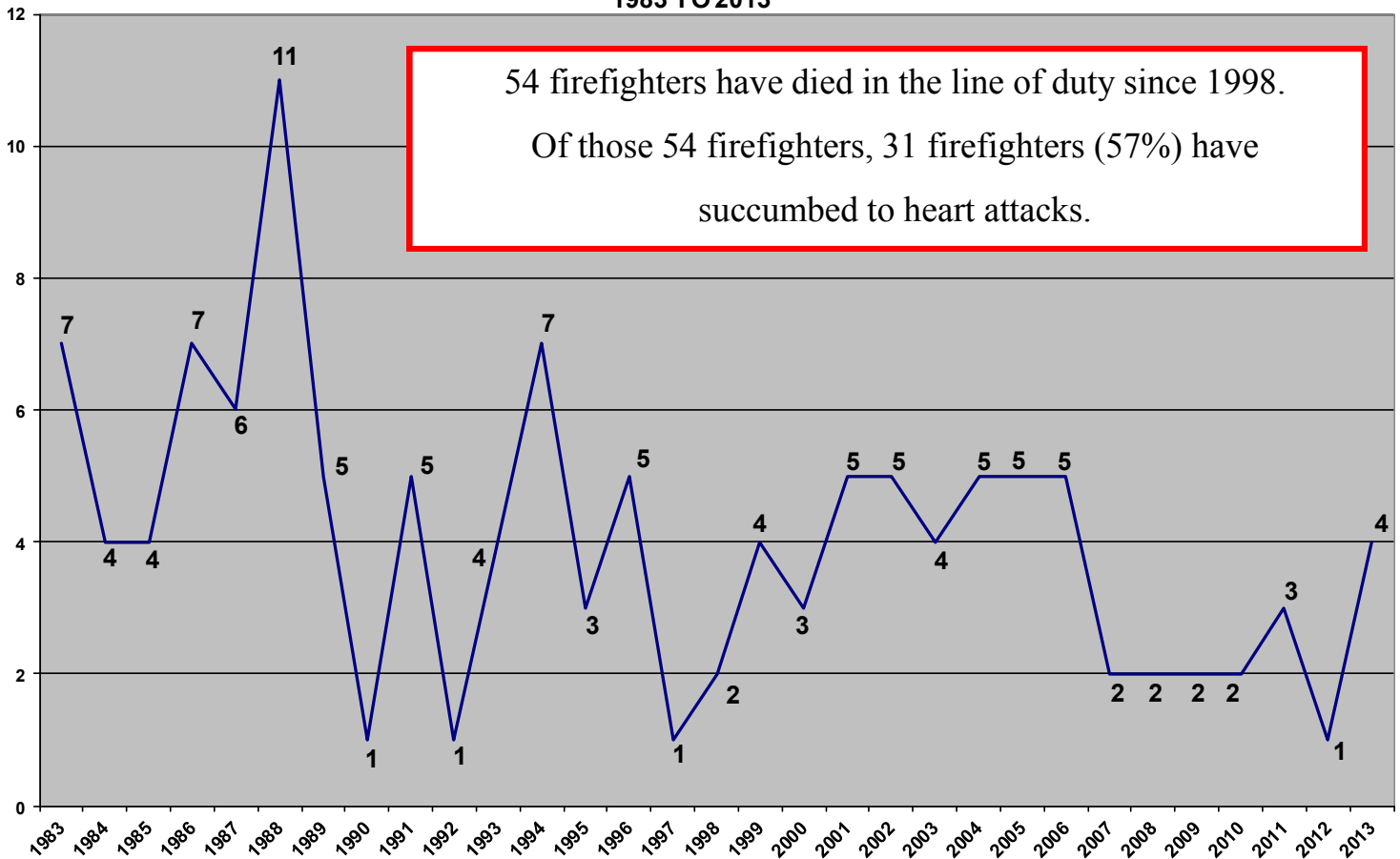


FIREFIGHTER LINE-OF-DUTY DEATHS



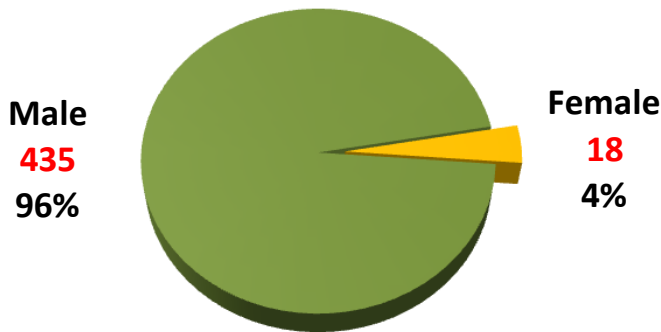
FIREFIGHTER LINE-OF-DUTY DEATHS 2013						
NAME	AGE	STATUS AT TIME OF DEATH	YEARS OF SERVICE	FIRE DEPARTMENT	CAUSE OF DEATH	INCIDENT TYPE
Jeffrey Scheuerer	35	Career	6	New Jersey Forest Fire Service	Struck By Motor Vehicle	Prescribed Fire
Robert Winemiller	77	Volunteer	10+	Spring Lake Fire Department	Heart Attack	Fire
Kevin M. Perrone	48	Volunteer	31	Lanoka Harbor Fire Department	Heart Attack	Fire Department Work Detail
David Lidke	51	Volunteer	13	Hightstown Engine Company #1	Heart Attack	Structure Fire

**FIREFIGHTER LINE-OF-DUTY DEATHS
1983 TO 2013**



FIREFIGHTER INJURIES

Firefighter Injuries



YEAR	NUMBER OF FIREFIGHTER INJURIES	NUMBER OF FIRE DEPARTMENTS REPORTING
2013	453	646
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

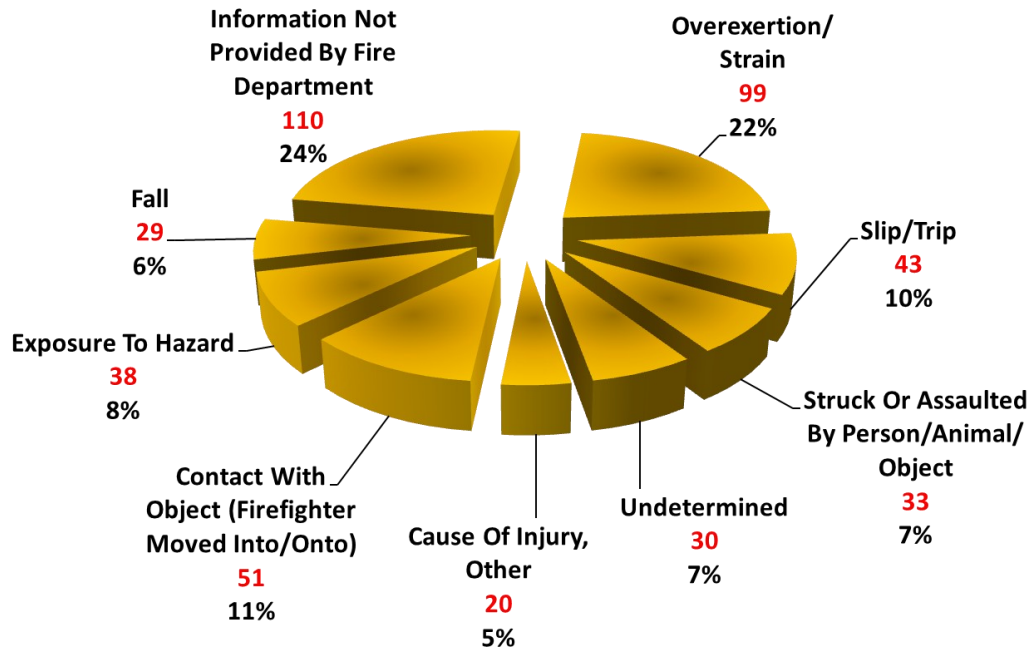
NUMBER OF REPORTED FIREFIGHTER INJURIES IN 2013	NUMBER OF FIREFIGHTERS INJURED TWICE IN 2013	NUMBER OF FIREFIGHTERS INJURED THREE TIMES IN 2013
453 (435 Male, 18 Female)	11 (10 Male, 1 Female)	1 (1 Male, 0 Female)

Most Frequent Incident Types When Firefighter Injuries Occurred



FIREFIGHTER INJURIES

Cause Of Firefighter Injuries

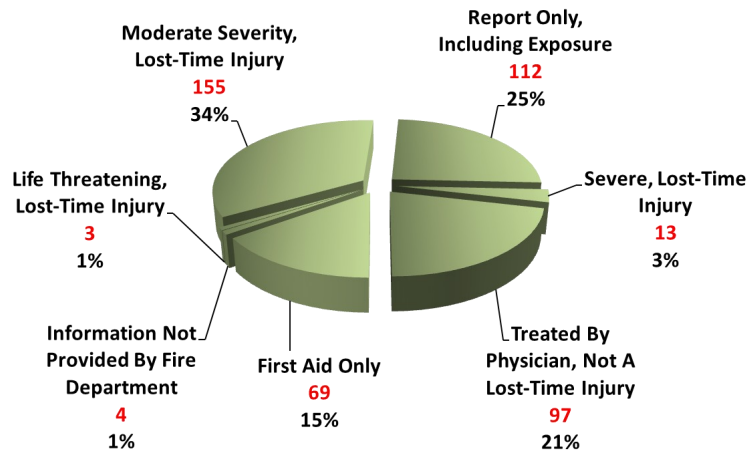


Cause Of Firefighter Injuries

County	Cause Of Firefighter Injuries									Total
	Cause Of Injury, Other	Contact With 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	
Atlantic	1	2	1					2		6
Bergen	2	6	1	1	26	7	6	2	3	54
Burlington		3	1	2	6	2	6		1	21
Camden		1	6	3	4	2	1	1	3	21
Cape May		1	1		2	1	1		1	7
Cumberland				1	3	4		2		10
Essex	5	8	8	5	6	15	8	7	3	65
Gloucester			1			2				3
Hudson	2	4	2		23	24	2		5	62
Hunterdon		1			1			1		3
Mercer	1	3	3	3	3	6	4	5	1	29
Middlesex	2	8	5	6	5	14	6	5	6	57
Monmouth	2	4		1	7	4	2	1	4	25
Morris						1				1
Ocean			2	1	6	2			1	12
Passaic	2	1		1	8	4	2	1		19
Salem						1				1
Somerset	1	1	5	1	4			2		14
Sussex	1		1		1	1				4
Union	1	8		4	4	8	4	4	2	35
Warren			1		1	1	1			4
Total	20	51	38	29	110	99	43	33	30	453

FIREFIGHTER INJURIES

Severity Of Firefighter Injuries

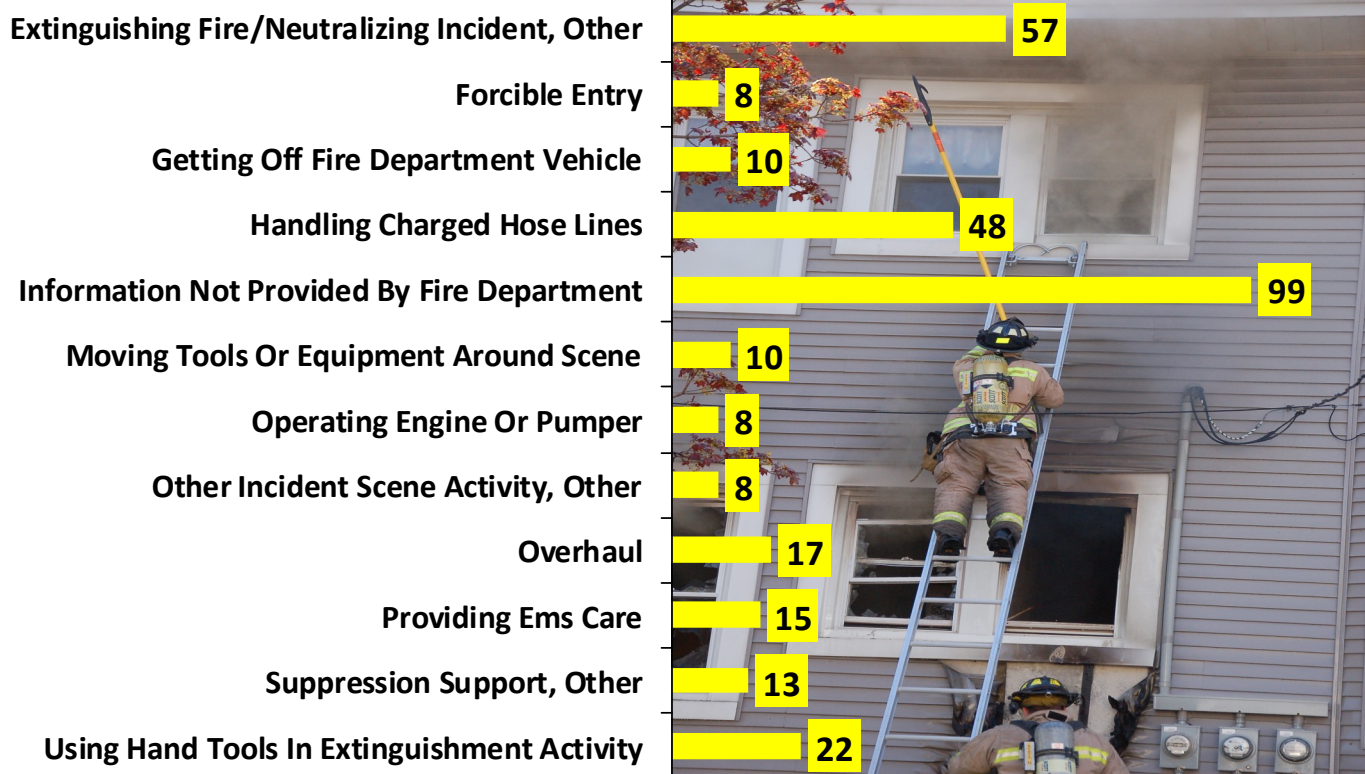


Severity Of Firefighter Injuries	Average Age Of Firefighters Injured
First Aid Only	37
Information Not Provided By Fire Department	33
Life Threatening, Lost-Time Injury	41
Moderate Severity, Lost-Time Injury	40
Report Only, Including Exposure	41
Severe, Lost-Time Injury	43
Treated By Physician, Not A Lost-Time Injury	39
Average Age Of All Firefighters Injured	39

County	First Aid Only	Information Not Provided By Fire Department	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
	Atlantic	1	1		3	1		
Bergen	13			11	19	1	10	54
Burlington	5			6	3		7	21
Camden	4			6	3		8	21
Cape May	1			3	2		1	7
Cumberland	1			1	5		3	10
Essex	16			17	26		6	65
Gloucester				2			1	3
Hudson				44	3	8	7	62
Hunterdon				1			2	3
Mercer	1		1	13	9	1	4	29
Middlesex	5		1	20	12	2	17	57
Monmouth	1			6	7		11	25
Morris							1	1
Ocean	4	3		2			3	12
Passaic	8			3	4		4	19
Salem							1	1
Somerset	2			4	5		3	14
Sussex					3		1	4
Union	6		1	11	10	1	6	35
Warren	1			2			1	4
Total	69	4	3	155	112	13	97	453

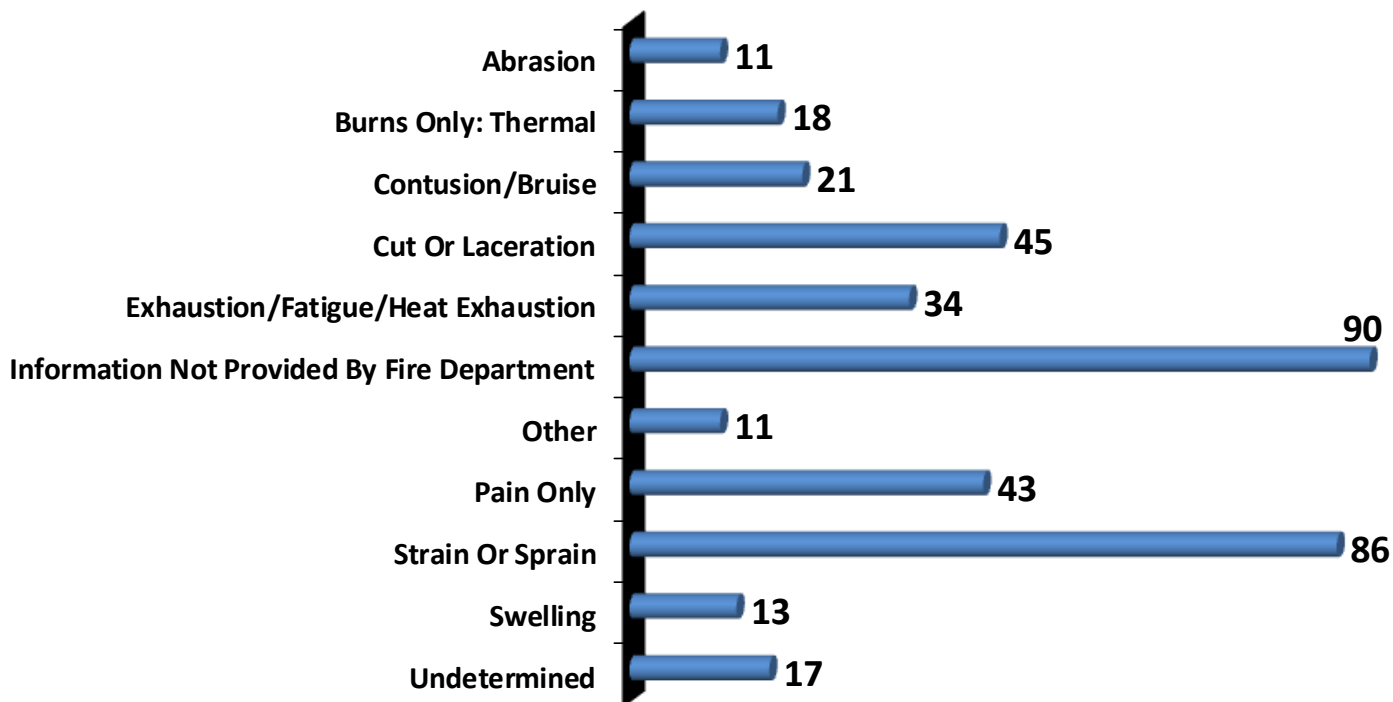
FIREFIGHTER INJURIES

Most Frequent Activity When Injuries Occurred



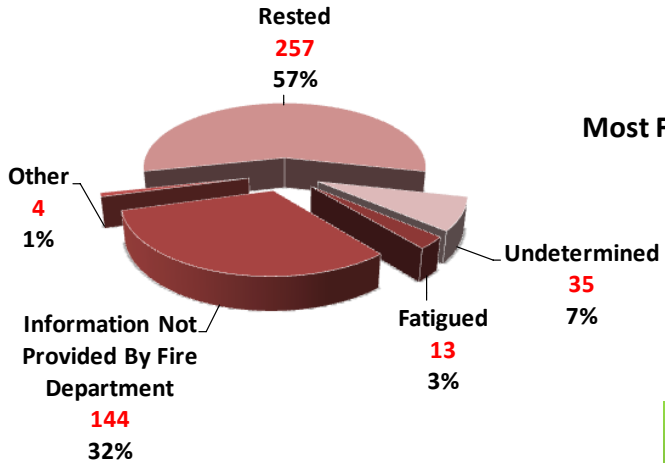
Picture courtesy of Bill Tompkins:
Carlstadt, New Jersey; May 1, 2013

Most Frequent Primary Apparent Symptoms Of Firefighter Injuries

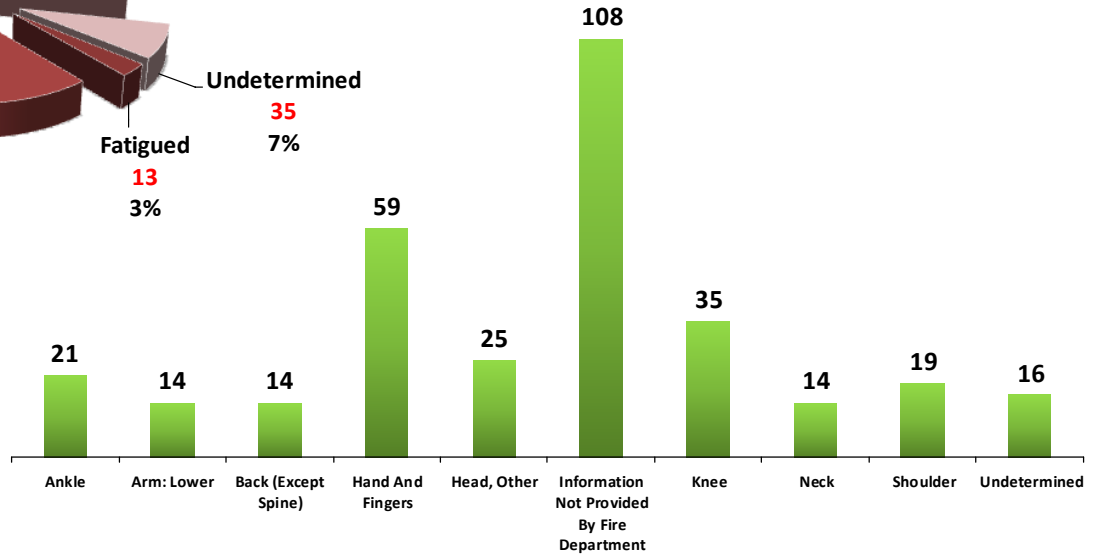


FIREFIGHTER INJURIES

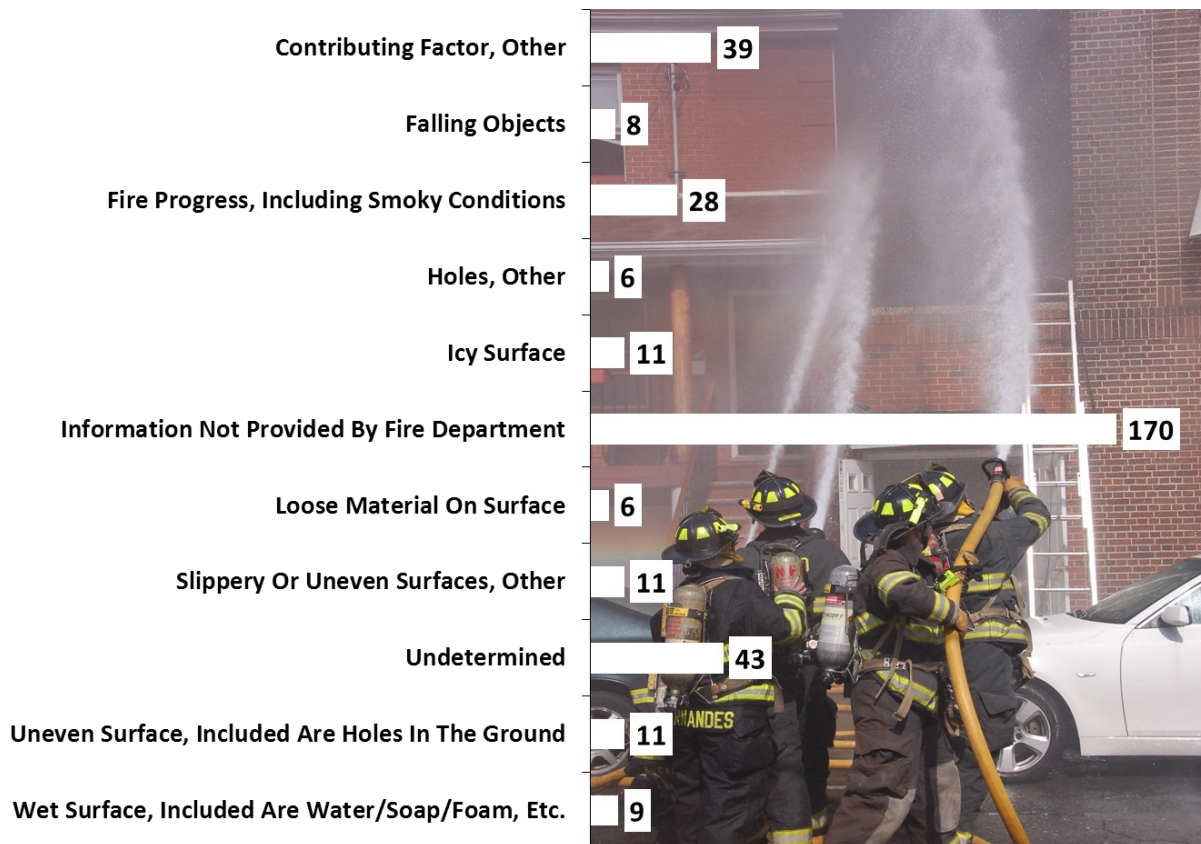
Physical Condition Of Firefighters Just Prior To Injury



Most Frequent Primary Body Part Injured

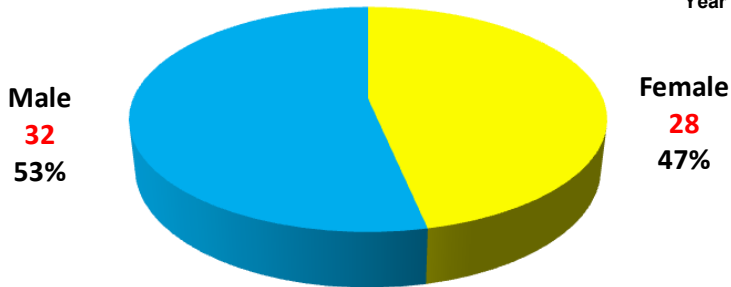
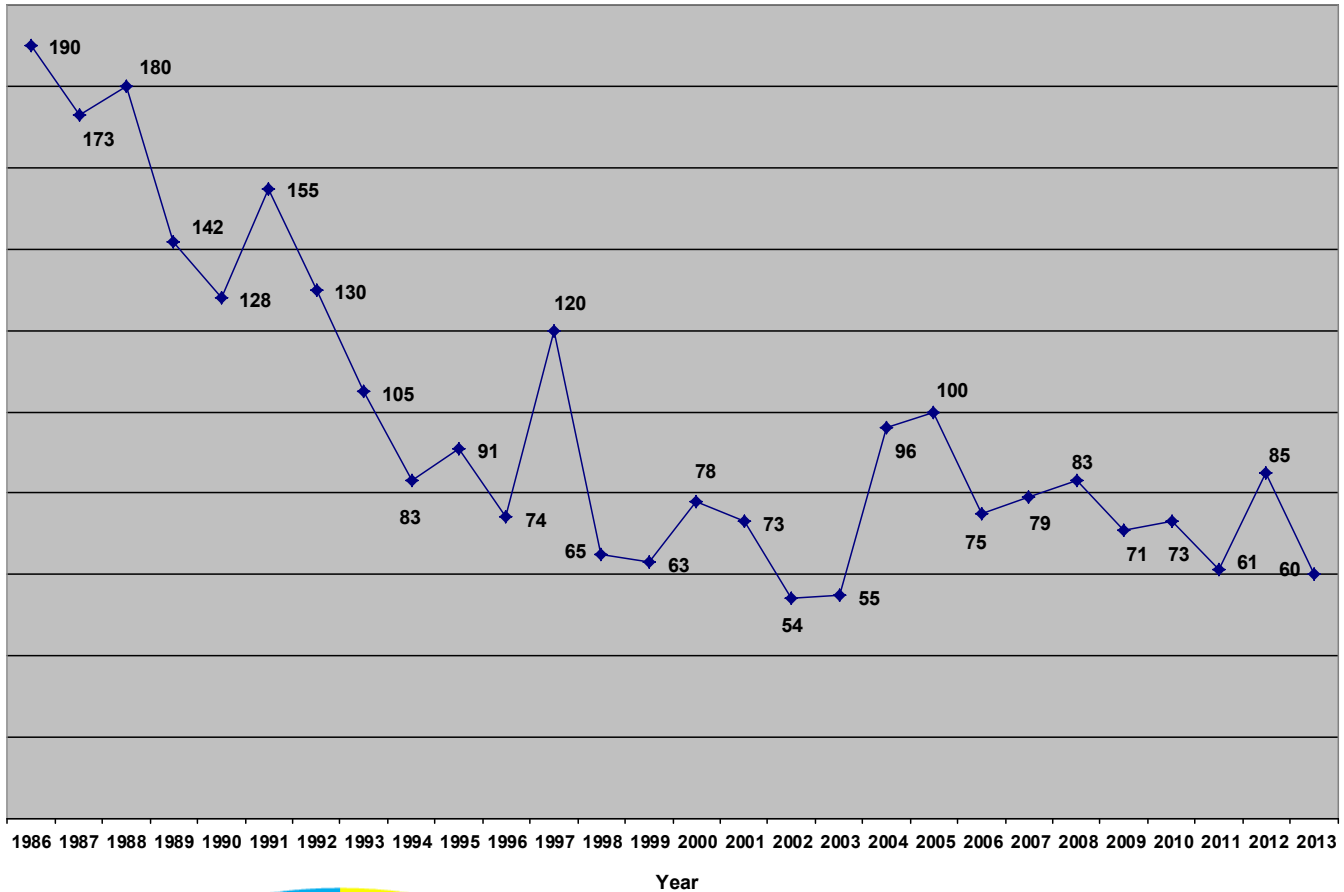


Most Frequent Factors Contributing To Firefighter Injuries

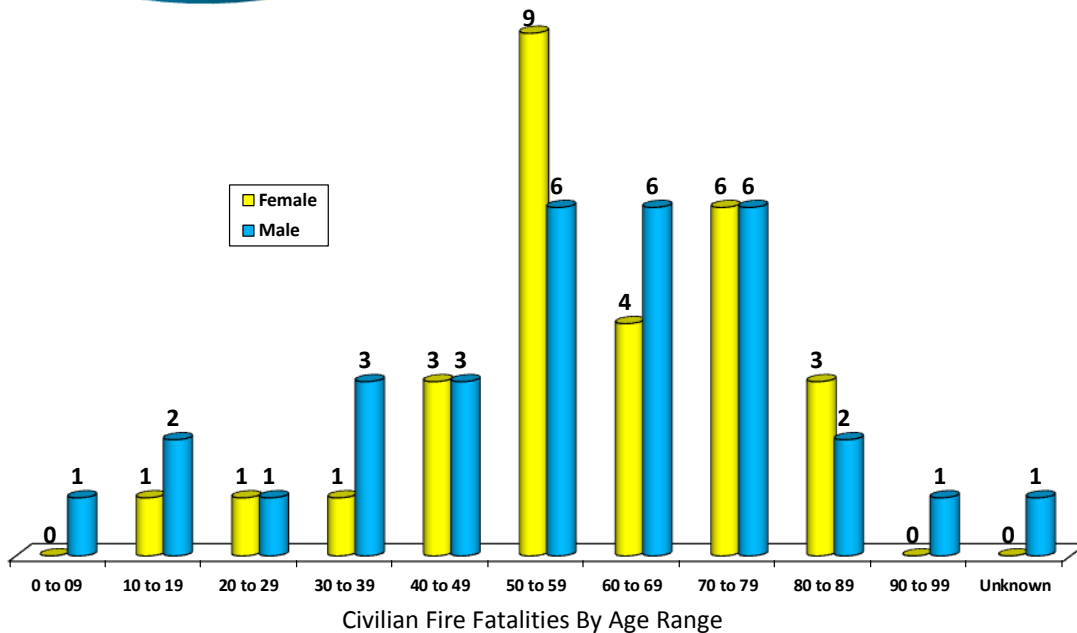


Picture courtesy of Bill Tompkins:
Harrison, New Jersey; March 10, 2013

CIVILIAN FIRE FATALITIES

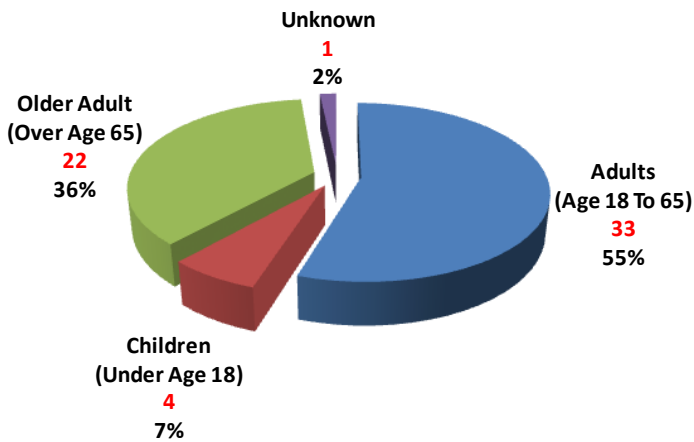


54 FIRE INCIDENTS LED TO 60 CIVILIAN FATALITIES

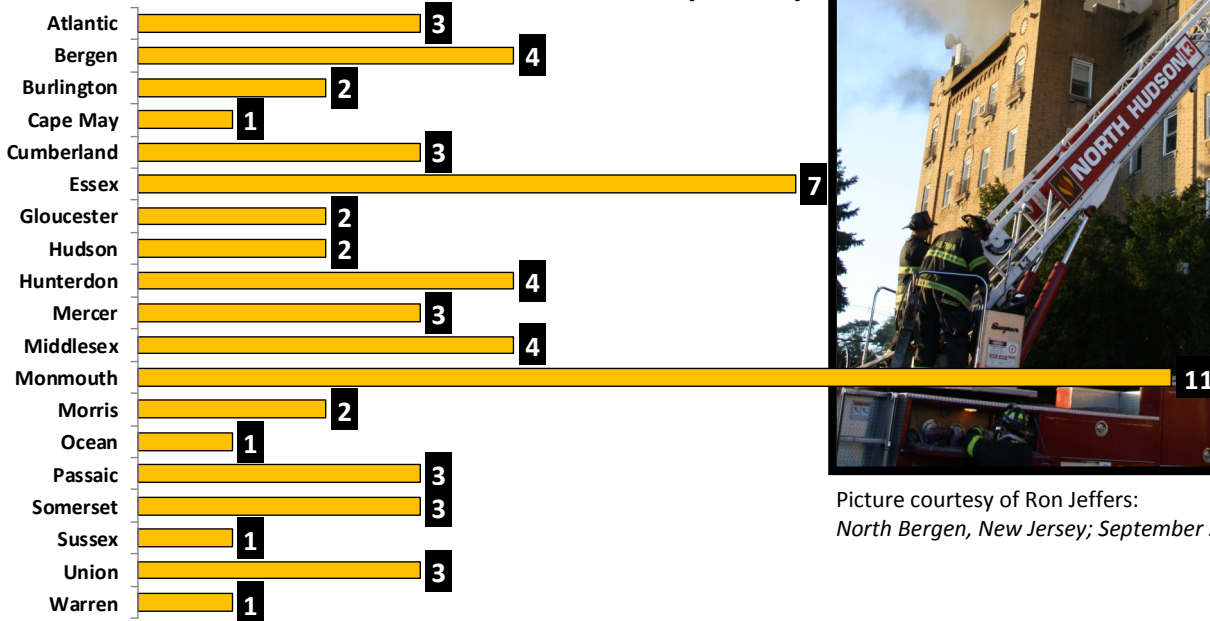


CIVILIAN FIRE FATALITIES

Civilian Fire Fatalities By Age Group

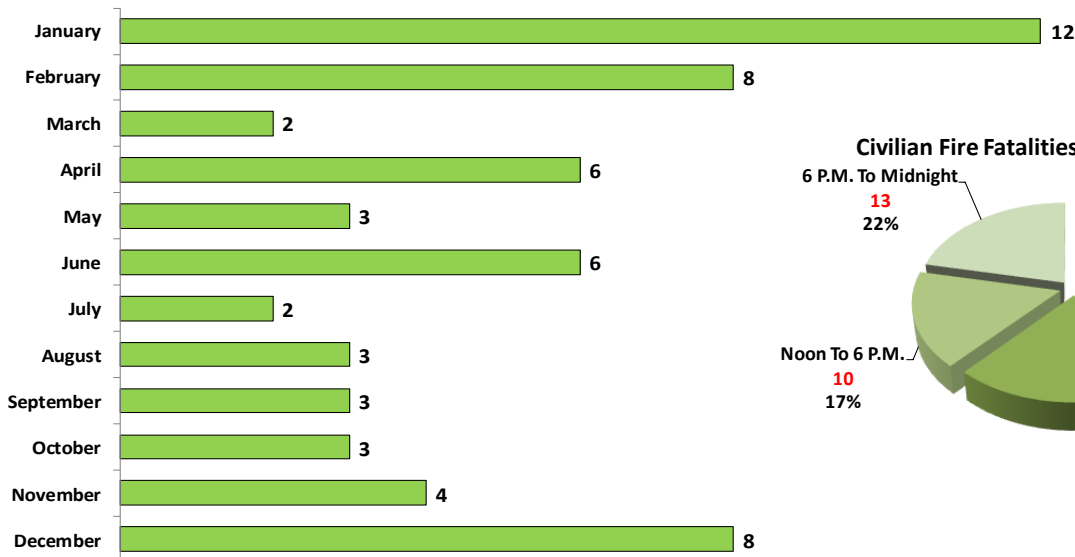


Civilian Fire Fatalities By County

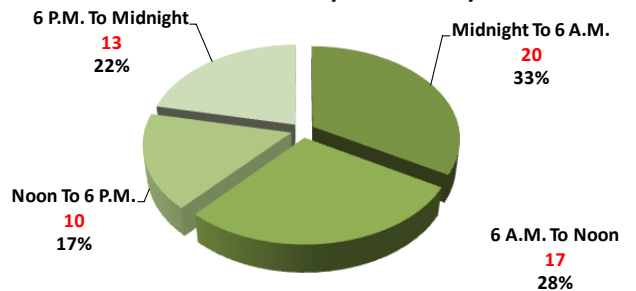


Picture courtesy of Ron Jeffers:
North Bergen, New Jersey; September 28, 2013

Civilian Fire Fatalities By Month

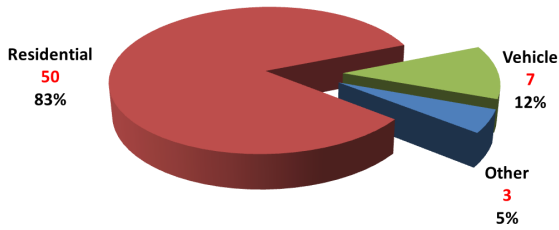


Civilian Fire Fatalities By Time Of Day

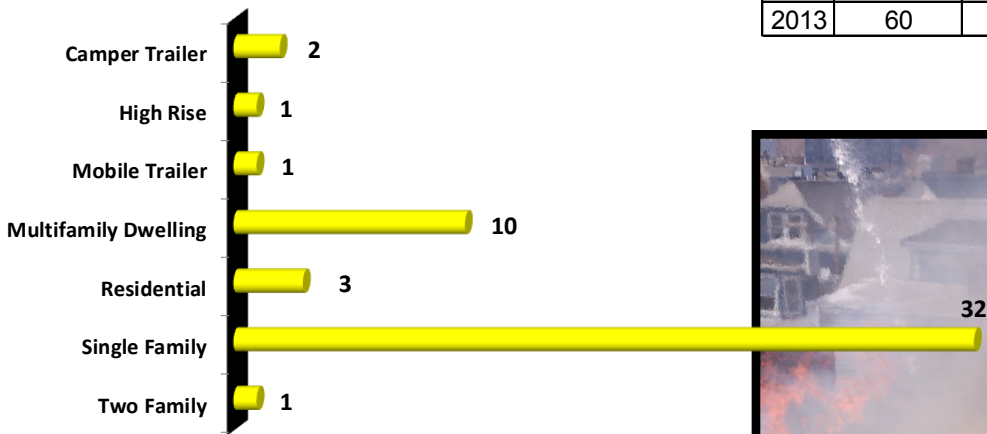


CIVILIAN FIRE FATALITIES

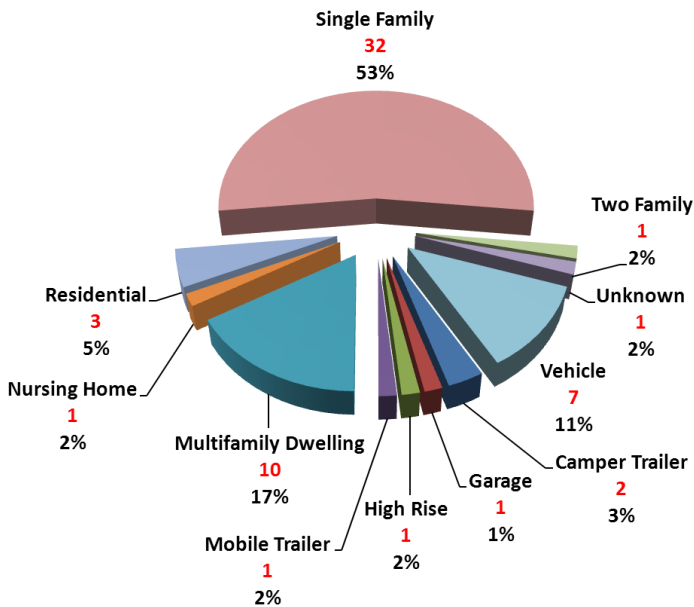
Civilian Fire Fatalities
By Property Use Category



Civilian Fire Fatalities
Residential Property Uses



Civilian Fire Fatalities
By Specific Property Use



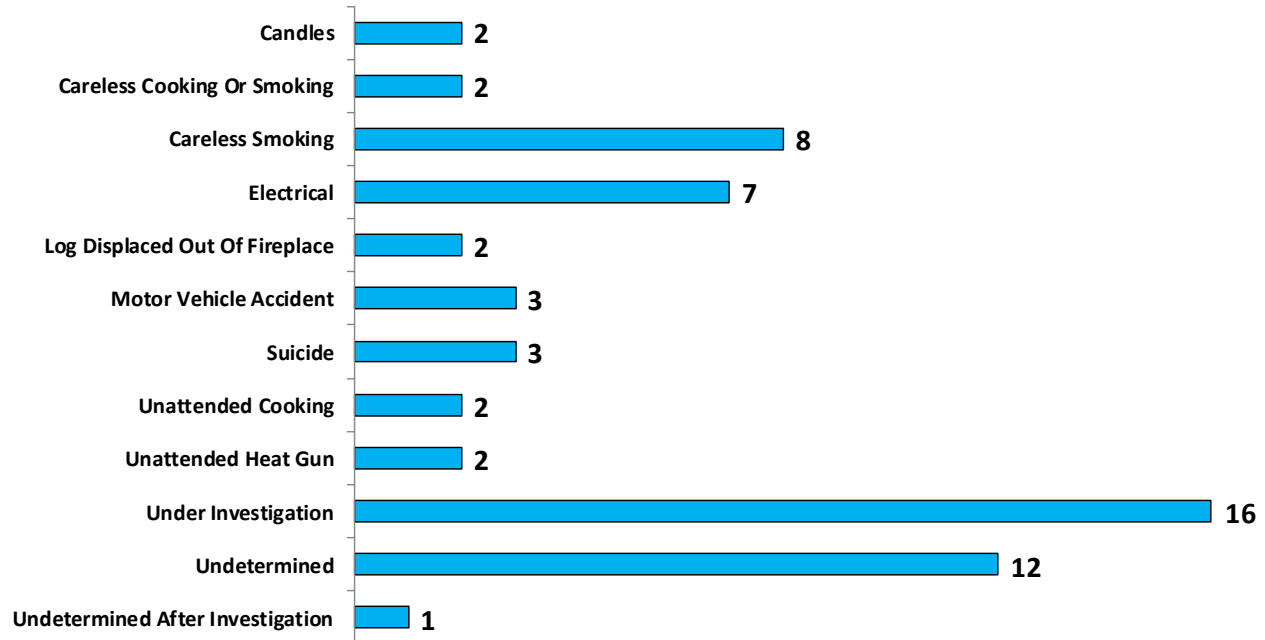
YEAR	TOTAL CIVILIAN FIRE FATALITIES	TOTAL CIVILIAN FIRE FATALITIES IN RESIDENTIAL STRUCTURES & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN 1 OR 2 FAMILY DWELLINGS & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN MULTIFAMILY DWELLINGS & PERCENTAGE OF 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%
2013	60	50 = 83%	36 = 60%	11 = 18%



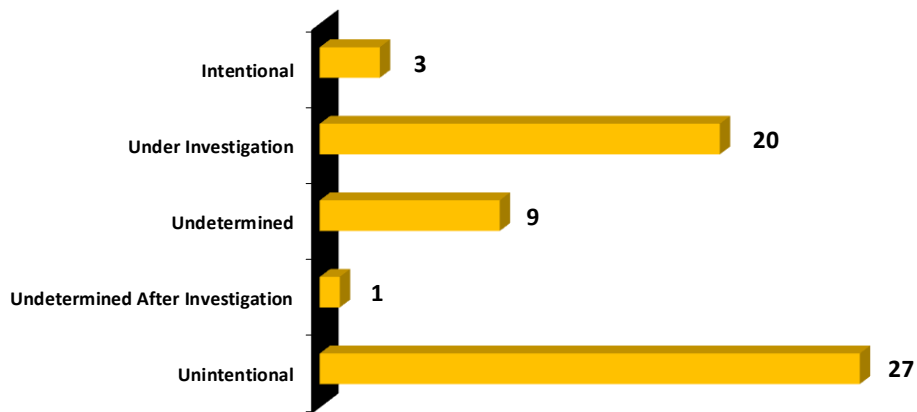
Picture courtesy of Bill Tompkins:
Harrison, New Jersey; March 10, 2013

CIVILIAN FIRE FATALITIES

Specific Causes Of Fire



Reported Causes Of Fire By Category



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

Cause Of Fire	Basement	Bathroom	Bedroom	Family Room	Kitchen	Living Room	Outside Near Car Port	Storage Area	Under Investigation	Unknown	Total
Candles			1			1					2
Careless Cooking Or Smoking					2						2
Careless Smoking		1	4			1			1		7
Electrical	3		1			2					6
Log Displaced Out Of Fireplace					2						2
Suicide			1		1						2
Unattended Cooking					2						2
Unattended Heat Gun	2										2
Under Investigation			1	1	1	2	2			6	13
Undetermined			5		1	3		1		2	12
Total	5	1	13	1	9	9	2	1	1	8	50

CIVILIAN FIRE FATALITIES

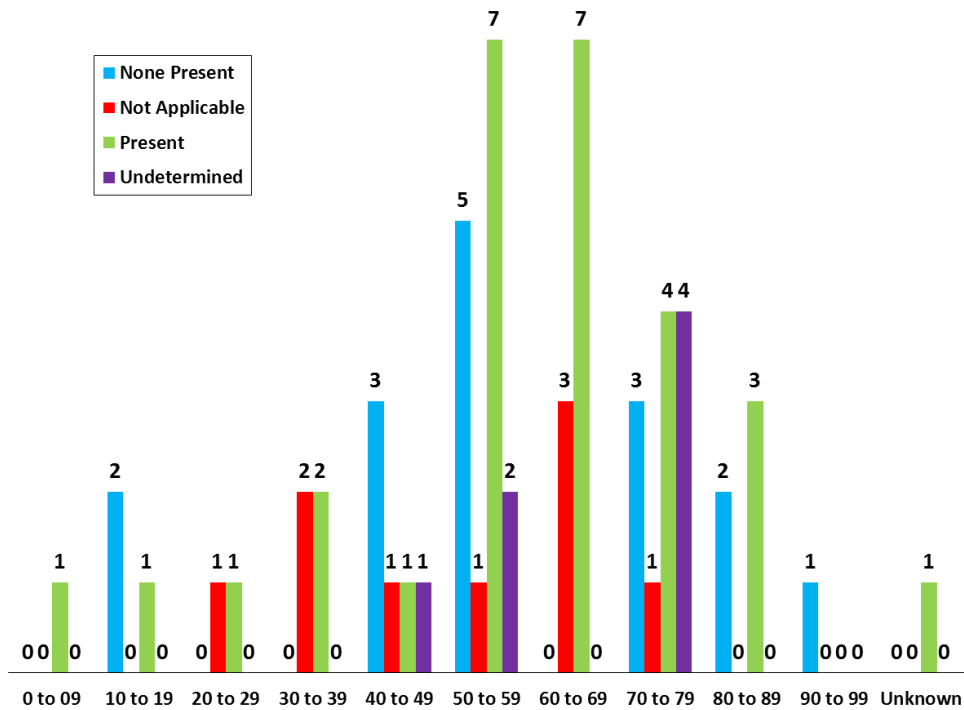
Detector Presence By Specific Property Use

Specific Property Use	None Present	Present	Undetermined	Total
Camper Trailer	2			2
Garage			1	1
High Rise		1		1
Mobile Trailer		1		1
Multifamily Dwelling	1	8	1	10
Residential		2	1	3
Single Family	13	15	4	32
Two Family		1		1
Total	16	28	7	51

Detector Operation When Present

Specific Property Use	Did Not Operate	Operated	Undetermined	Total
High Rise		1		1
Mobile Trailer	1			1
Multifamily Dwelling	1	5	2	8
Residential			2	2
Single Family	2	10	3	15
Two Family		1		1
Total	4	17	7	28

Detector Presence By Age Range



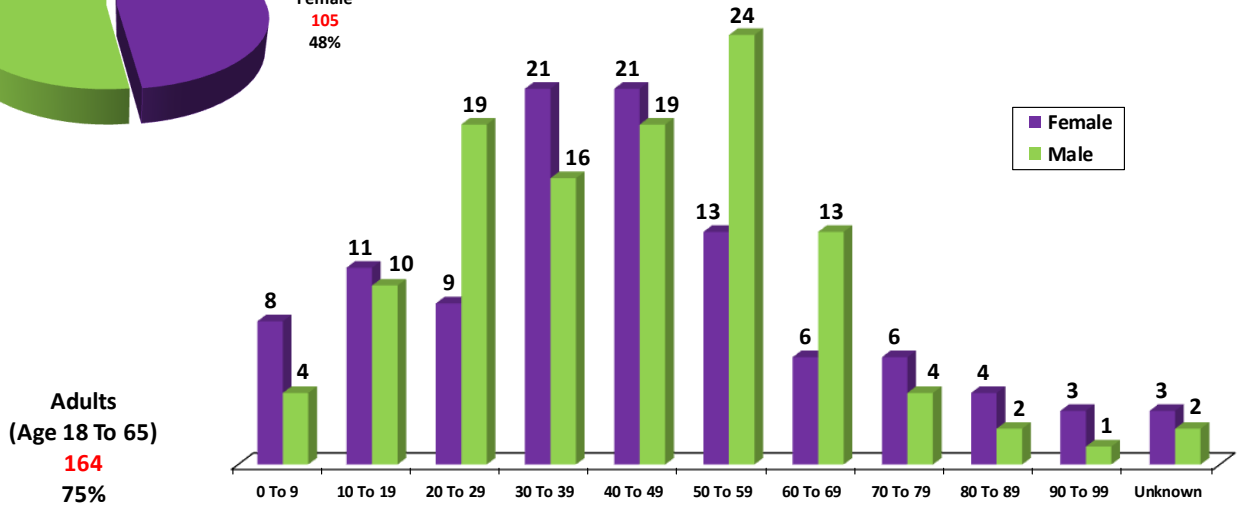
Multiple Civilian Fire Fatalities

Date	Alarm Time	Municipality	County	Age	Gender	Cause of Fire	Prop Use	Room of Origin	Detector Presence	Detector Operation
1/18/13	5:59	Rockaway Twp	Morris	58	Female	Under Investigation	Single Family	Outside Near Car Port	None Present	Not Applicable
1/18/13	5:59	Rockaway Twp	Morris	17	Male	Under Investigation	Single Family	Outside Near Car Port	None Present	Not Applicable
2/10/13	21:38	Bloomsbury	Hunterdon	53	Female	Log Displaced Out Of Fireplace	Single Family	Kitchen	None Present	Not Applicable
2/10/13	21:38	Bloomsbury	Hunterdon	11	Male	Log Displaced Out Of Fireplace	Single Family	Kitchen	None Present	Not Applicable
4/2/13	22:47	Middletown	Monmouth	20	Female	Under Investigation	Residential	Unknown	Present	Undetermined
4/2/13	22:47	Middletown	Monmouth	50	Female	Under Investigation	Residential	Unknown	Present	Undetermined
10/28/13	0:13	Woodland Park	Passaic	76	Male	Electrical	Single Family	Basement	Present	Undetermined
10/28/13	0:13	Woodland Park	Passaic	74	Female	Electrical	Single Family	Basement	Present	Undetermined
12/5/13	20:09	Hillsborough	Somerset	69	Male	Unattended Heat Gun	Single Family	Basement	Present	Operated
12/5/12	20:09	Hillsborough	Somerset	66	Female	Unattended Heat Gun	Single Family	Basement	Present	Operated
12/31/13	6:45	Estell Manor	Atlantic	51	Male	Careless Cooking Or Smoking	Camper Trailer	Kitchen	None Present	Not Applicable
12/31/13	6:45	Estell Manor	Atlantic	47	Female	Careless Cooking Or Smoking	Camper Trailer	Kitchen	None Present	Not Applicable

CIVILIAN FIRE INJURIES

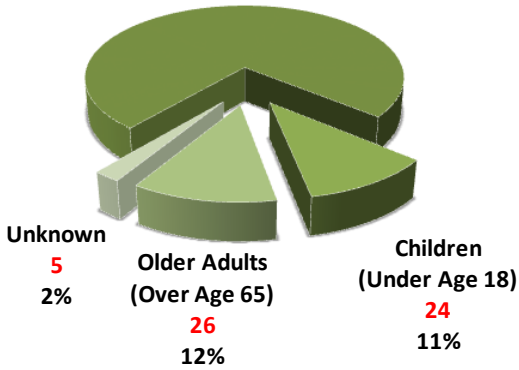
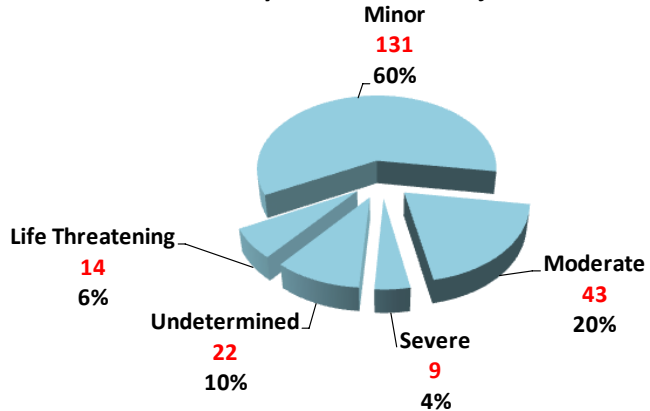


Civilian Fire Injuries By Age Group

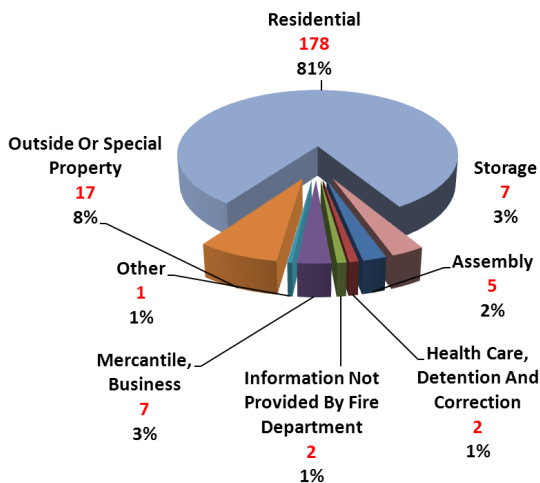


Adults (Age 18 To 65)
164
75%

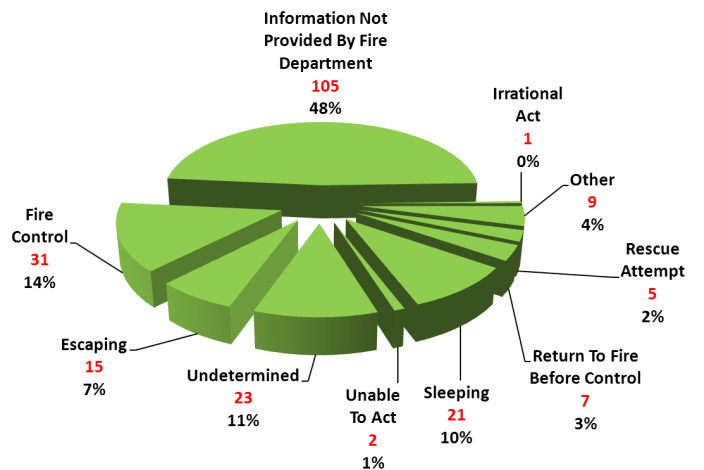
Severity Of Civilian Fire Injuries



Civilian Fire Injuries By Property Use Category



Activity Of Civilians When Fire Injuries Occurred



CIVILIAN FIRE INJURIES

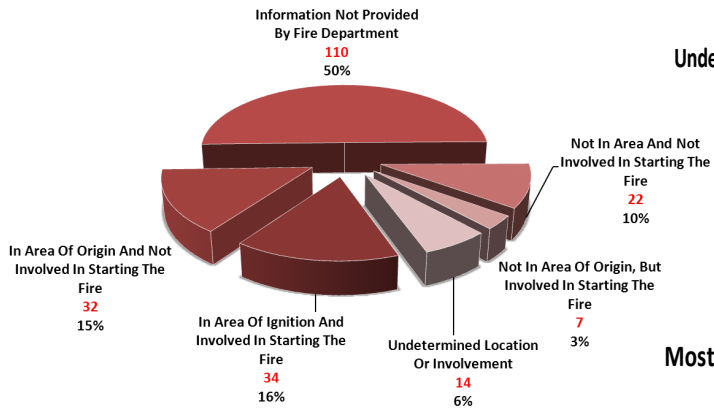
Most Frequent Specific Location Of Civilian At Time Of Injury

Information Not Provided By Fire Department



Picture courtesy of Bill Tompkins:
East Rutherford, New Jersey; January 27, 2013

Location Of Injured Civilian
At Time Of Fire Incident



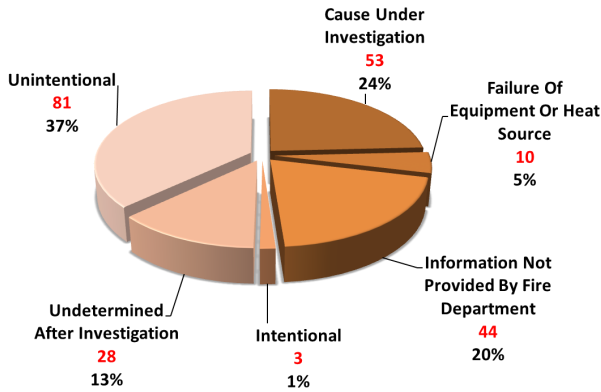
Most Frequent Fire Incidents Resulting In Civilian Fire Injuries



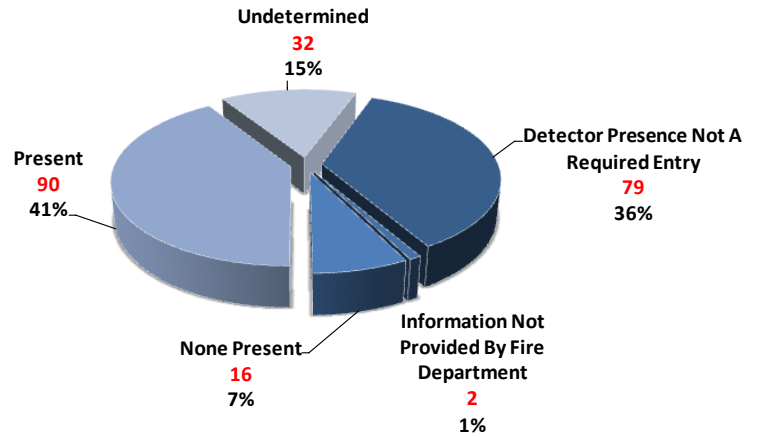
Picture courtesy of Jackie Pellek:
Byram, New Jersey; November 30, 2013

CIVILIAN FIRE INJURIES

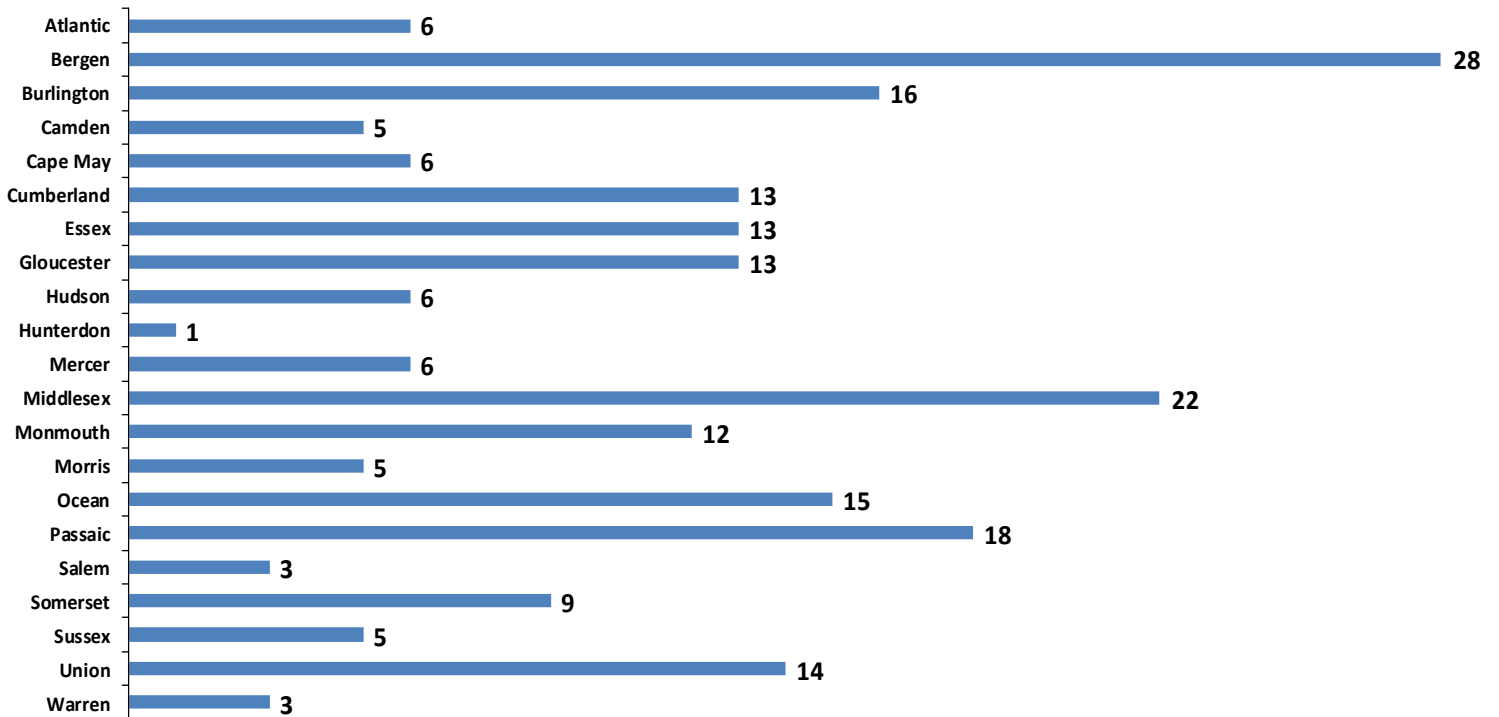
**Cause Of Ignition
When Civilian Fire Injuries Occurred**



**Presence Of Detectors
When Civilian Fire Injuries Occurred**



Civilian Fire Injuries By County



Structure Type	Civilian Fire Injuries
Enclosed Building	129
Information Not Provided By Fire Department	2
Other	3
Portable Or Mobile Structure	4
Structure Type Not A Required Entry	79
Tent	2
Total	219



Building Status Of Enclosed Buildings	Civilian Fire Injuries
Occupied And Operating	127
Vacant And Secured	2
Total	129

CIVILIAN FIRE INJURIES

Non-Residential Property Uses	Most Frequent Area Of Fire Origin When Civilian Fire Injuries Occurred				
	Area Of Fire Origin	Adults (Age 18 To 65)	Older Adults (Over Age 65)	Unknown	Total
	Bedroom - < 5 Persons; Included Are Jail Or Prison	2			2
	Cargo/Trunk Area - All Vehicles	2			2
	Cooking Area, Kitchen	2			2
	Engine Area, Running Gear, Wheel Area	5			5
	Information Not Provided By Fire Department	4		1	5
	Laundry Area, Wash House (Laundry)	2			2
	Other	1	1		2
	Undetermined	6			6
	Vehicle Area, Other	2			2
	Vehicle Storage Area; Garage, Carport	2			2

Picture courtesy of Chris Tompkins:
Paterson, New Jersey; December 27, 2013



Residential Property Uses	Most Frequent Area Of Fire Origin When Civilian Fire Injuries Occurred					
	Area Of Fire Origin	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
	Bathroom, Checkroom, Lavatory, Locker Room	1	1	2		4
	Bedroom - < 5 Persons; Included Are Jail Or Prison	9	2	2		13
	Common Room, Den, Family Room, Living Room, Lounge	11	2	2	1	16
	Cooking Area, Kitchen	37	6	6		49
	Dining Room, Cafeteria, Bar Area, Beverage Service	3	2	1		6
	Function Areas, Other	3		1		4
	Information Not Provided By Fire Department	26	7	6		39
	Other	4		1		5
	Substructure Area Or Space, Crawl Space	3		2		5
	Undetermined	8	4	2	2	16
	Wall Surface: Exterior	5				5

CIVILIAN FIRE INJURIES

Non-Residential Property Uses	Item First Ignited When Civilian Fire Injuries Occurred				
	Item First Ignited	Adults (Age 18 To 65)	Older Adults (Over Age 65)	Unknown	Total
Box, Carton, Bag, Basket, Barrel	1				1
Cooking Materials, Including Edible Materials	1				1
Curtain, Blind, Drapery, Tapestry	2				2
Electrical Wire, Cable Insulation	1				1
Flammable Liquid/Gas - In/From Engine Or Burner	3				3
Flammable Liquid/Gas - In/From Final Container	1				1
Flammable Liquid/Gas - Uncontained	1				1
Flammable Liquid/Gas In Container Or Pipe	1				1
Heavy Vegetation - Not Crop, Including Trees	1				1
Information Not Provided By Fire Department	4		1		5
Item First Ignited, Other	2	1			3
Linen; Other Than Bedding	1				1
Rubbish, Trash, Waste	1				1
Undetermined	17				17
Wearing Apparel Not On A Person	1				1
Wearing Apparel On A Person	1				1
Total	39	1	1		41

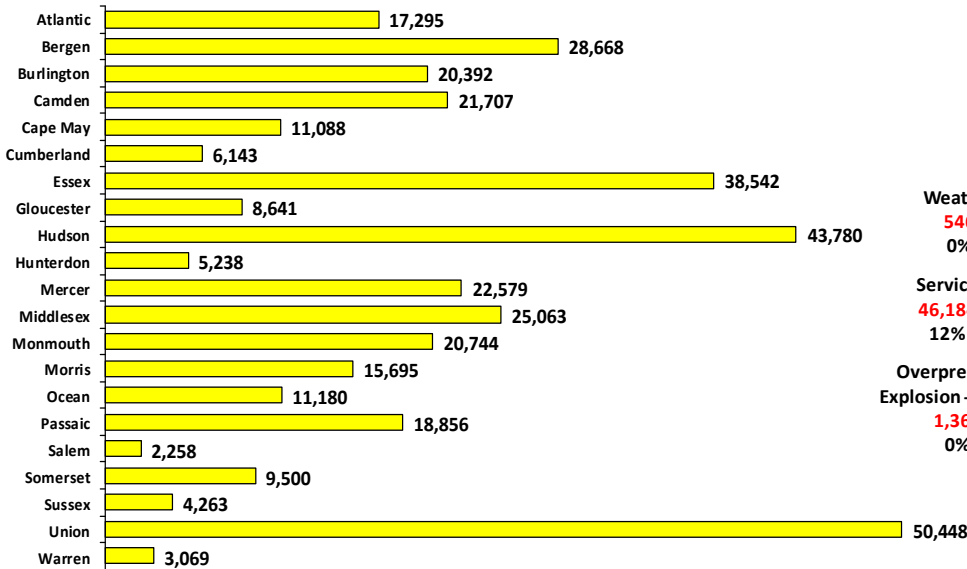
Residential Property Uses	Most Frequent Item First Ignited When Civilian Fire Injuries Occurred					
	Item First Ignited, Other	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
Appliance Housing Or Casing		4				4
Bedding; Blanket, Sheet, Comforter		2		2		4
Cabinetry (Including Built-In)				3		3
Cooking Materials, Including Edible Materials		16	4	1		21
Electrical Wire, Cable Insulation		7	3			10
Exterior Wall Covering Or Finish		6				6
Flammable Liquid/Gas - In/From Final Container		2			1	3
Flammable Liquid/Gas - Uncontained		3				3
Information Not Provided By Fire Department		26	7	6		39
Item First Ignited, Other		5		1		6
Mattress, Pillow		1	1	1		3
Multiple Items First Ignited		3		2		5
Undetermined		34	7	7	3	51
Wearing Apparel Not On A Person		3				3

Primary Apparent Symptom Of Civilians Injured During Fire Incidents					
Primary Apparent Symptom	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
Breathing Difficulty Or Shortness Of Breath	4				4
Burn, Electric	1				1
Burn, Scald	7				7
Burns And Smoke Inhalation	7	1	5		13
Burns Only, Thermal	25	1	2	1	29
Cardiac Arrest			1		1
Contusion/Bruise, Minor Trauma	1				1
Disorientation	1				1
Emotional/Psychological Stress	1				1
Information Not Provided By Fire Department	69	8	12	4	93
Nausea	1				1
Pain Only	3				3
Primary Apparent Symptom, Other	1				1
Sickness, Other	1				1
Smoke Inhalation	39	14	6		59
Strain Or Sprain	1				1
Swelling	1				1
Unconscious	1				1
Total	164	24	26	5	219

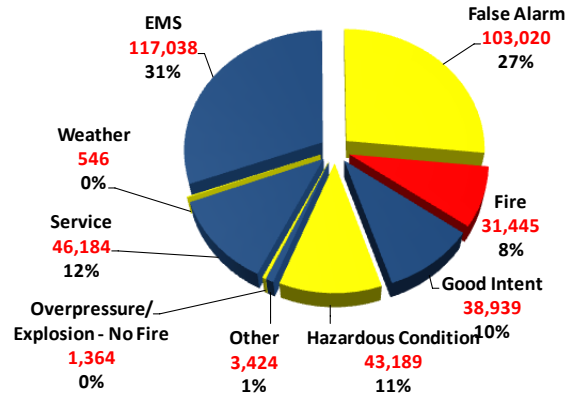
FIRE DEPARTMENT RESPONSES

The charts on this page represent the number of incidents that fire departments responded to in 2013. Totals include “aid given” and “aid received” incidents.

Total Incident Responses By County



Incident Type Summary



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	33	243,824	845	3.5
Bergen	234.17	70	905,116	63	863,306	2,133	2.5
Burlington	804.57	46	448,734	41	428,067	1,023	2.4
Camden	222.30	40	513,657	37	426,295	1,254	2.9
Cape May	255.19	26	97,265	26	97,265	390	4
Cumberland	489.30	22	156,898	18	152,791	498	3.3
Essex	126.27	21	783,969	21	783,969	2,443	3.1
Gloucester	324.72	34	288,288	29	269,684	677	2.5
Hudson	46.69	8	634,266	8	634,266	2,400	3.8
Hunterdon	429.94	27	128,349	26	125,953	322	2.6
Mercer	225.93	27	366,513	24	336,750	1,355	4
Middlesex	309.72	48	809,858	40	722,534	1,954	2.7
Monmouth	471.94	69	630,380	64	602,342	1,722	2.9
Morris	468.99	54	492,276	50	445,141	868	1.9
Ocean	636.28	47	576,567	33	386,501	967	2.5
Passaic	185.29	23	501,226	21	488,600	1,488	3
Salem	337.88	19	66,083	17	61,729	137	2.2
Somerset	304.69	36	323,444	30	279,992	518	1.8
Sussex	521.26	27	149,265	26	134,118	366	2.7
Union	103.29	21	536,499	20	535,028	1,758	3.3
Warren	357.87	22	108,692	19	95,042	285	3
TOTAL	7,417.36	729	8,791,894	646	8,113,197	23,403	

* 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.
4,263 responses were made to
3,163 incidents.

Morris County

Population: 492,276

50 of 54 fire departments submitted data.
15,695 responses were made to
12,901 incidents.

Passaic County

Population: 501,226

21 of 23 fire departments submitted data.
18,856 responses were made to
17,549 incidents.

Warren County

Population: 108,692

19 of 22 fire departments submitted data.
3,069 responses were made to
2,347 incidents.

Hunterdon County

Population: 128,349

26 of 27 fire departments submitted data.
5,238 responses were made to
3,081 incidents.

Somerset County

Population: 323,444

30 of 36 fire departments submitted data.
9,500 responses were made to
6,930 incidents.

Mercer County

Population: 366,513

24 of 27 fire departments submitted data.
22,579 responses were made to
16,522 incidents.

Burlington County

Population: 448,734

41 of 46 fire departments submitted data.
20,392 responses were made to
14,546 incidents.

Camden County

Population: 513,657

37 of 40 fire departments submitted data.
21,707 responses were made to
17,344 incidents.

Gloucester County

Population: 288,288

29 of 34 fire departments submitted data.
8,641 responses were made to
6,497 incidents.

Salem County

Population: 66,083

17 of 19 fire departments submitted data.
2,258 responses were made to
971 incidents.

Cumberland County

Population: 156,898

18 of 22 fire departments submitted data.
6,143 responses were made to
5,164 incidents.

Bergen County

Population: 905,116

63 of 70 fire departments submitted data.
28,668 responses were made to
26,948 incidents.

Hudson County

Population: 634,266

8 of 8 fire departments submitted data.
43,780 responses were made to
43,440 incidents.

Essex County

Population: 783,969

21 of 21 fire departments submitted data.
38,542 responses were made to
36,490 incidents.

Union County

Population: 536,499

20 of 21 fire departments submitted data.
50,448 responses were made to
48,569 incidents.

Middlesex County

Population: 809,858

40 of 48 fire departments submitted data.
25,063 responses were made to
22,362 incidents.

Monmouth County

Population: 630,380

64 of 69 fire departments submitted data.
20,744 responses were made to
18,348 incidents.

Ocean County

Population: 576,567

33 of 47 fire departments submitted data.
11,180 responses were made to
9,200 incidents.

Atlantic County

Population: 274,549

33 of 42 fire departments submitted data.
17,295 responses were made to
15,661 incidents.

Cape May County

Population: 97,265

26 of 26 fire departments submitted data.
11,088 responses were made to
10,270 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	1	249	113	181	33	1,328	1,905
	February	1	186	80	134	28	1,213	1,642
	March	4	182	237	230	34	1,225	1,912
	April	10	226	762	340	62	1,296	2,696
	May	11	259	451	246	58	1,174	2,199
	June	2	289	202	226	52	1,001	1,772
	July		266	242	237	58	1,025	1,828
	August	2	242	166	267	44	1,054	1,775
	September		214	245	262	51	1,094	1,866
	October	5	198	305	226	33	1,153	1,920
	November	1	203	483	191	47	1,256	2,181
	December		214	88	101	27	1,277	1,707
Total	37	2,728	3,374	2,641	527	14,096	23,403	

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	79		726	110	3	85	1,003
	February	95	2	659	89	1	43	889
	March	61		746	80	6	67	960
	April	37	2	732	31	3	93	898
	May	15	3	753	19	2	94	886
	June	6	2	674	14	2	66	764
	July	6	1	635	12	1	74	729
	August	8		651	13	2	104	778
	September	7	3	731	16	9	74	840
	October	37	1	665	63	4	77	847
	November	52	4	762	64	2	70	954
	December	66	5	764	79	3	62	979
Total	469	23	8,498	590	38	909	10,527	

Structure Fires By Property Use Category	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	40	23	29	3		4	60	2	4	35	1,107	18	3	1,328
	February	41	26	26	3		8	52		2	14	1,023	13	5	1,213
	March	63	21	41	3		6	51	2	3	33	980	13	9	1,225
	April	56	36	35	7	1	1	75	5	2	44	994	34	6	1,296
	May	45	27	20	1		8	64	4	10	39	929	23	4	1,174
	June	41	10	33	3		7	42	6	3	30	813	12	1	1,001
	July	47	11	26	3		7	51	1	5	52	807	12	3	1,025
	August	45	15	34	2		4	47	1	1	60	827	13	5	1,054
	September	34	20	26	3		6	44		5	42	886	24	4	1,094
	October	30	20	26	2		9	61		6	46	931	14	8	1,153
	November	40	21	36	4		5	63	4	6	35	1,013	17	12	1,256
	December	46	12	38	2		4	52	3	1	25	1,073	17	4	1,277
Total	528	242	370	36	1	69	662	28	48	455	11,383	210	64	14,096	

Confined Fires By Property Use Category	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	31	20	27	1	3	38	2		25	852	2	2	1,003
	February	26	26	20	1	3	30			8	769	2	4	889
	March	48	20	37	1	2	40	1		23	783		5	960
	April	39	28	28	3	1	51	4		29	707	4	4	898
	May	36	22	19		4	47	3	5	26	716	5	3	886
	June	37	8	24	1	3	31	4		15	635	5	1	764
	July	29	8	21		3	31	1	1	36	597	1	1	729
	August	36	13	29	1	2	35	1		44	611	4	2	778
	September	28	18	22	1	2	28		1	30	699	8	3	840
	October	23	17	24	2	3	34		2	30	704	3	5	847
	November	29	15	30	3	1	42	1	3	25	794	4	7	954
	December	40	8	33	1	3	37	2	1	18	827	5	4	979
Total	402	203	314	15	30	444	19	13	309	8,694	43	41	10,527	

FIRE INCIDENT RESPONSES BY MONTH

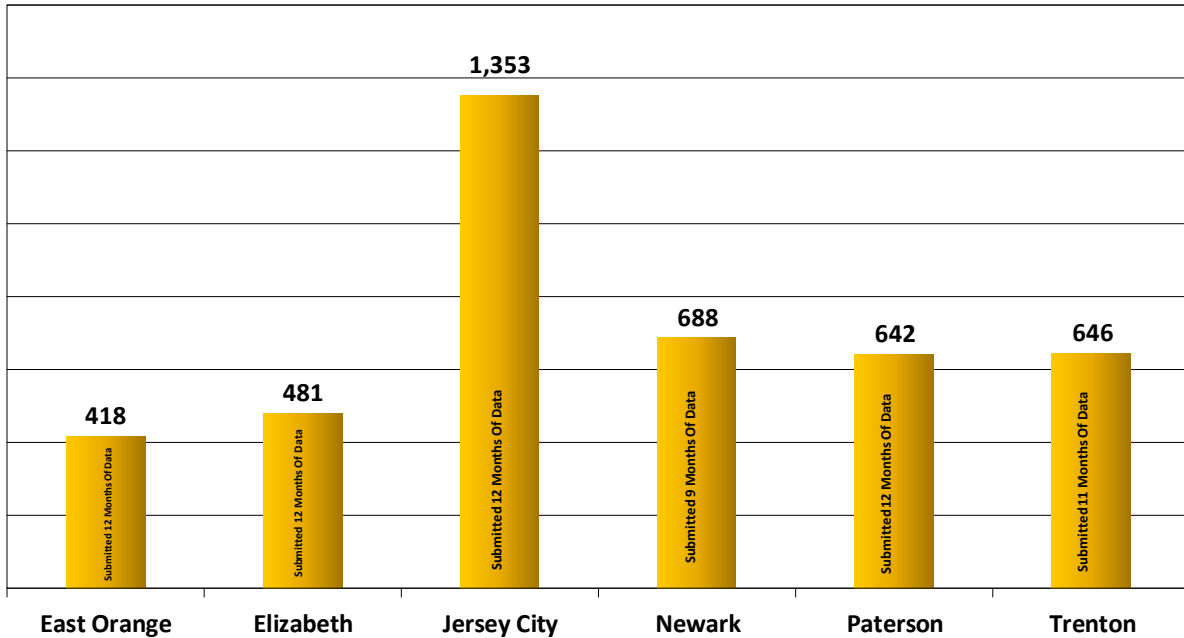
Structure Fires By Specific Incident Type													
Incident Type	January	February	March	April	May	June	July	August	September	October	November	December	Total
Building Fire	243	233	195	287	204	154	219	182	180	208	219	241	2,565
Chimney Or Flue Fire, Confined To Chimney Or Flue	79	95	61	37	15	6	6	8	7	37	52	66	469
Commercial Compactor Fire, Confined To Rubbish		2		2	3	2	1		3	1	4	5	23
Cooking Fire, Confined To Container	726	659	746	732	753	674	635	651	731	665	762	764	8,498
Fire In Mobile Home Used As Fixed Residence	1	1	2				2	1	1			2	10
Fire In Mobile Prop Used As A Fixed Struc, Other					2	1	1						4
Fire In Motor Home, Camper, Recreational Vehicle					1	1	2	1		1		2	8
Fire In Portable Building, Fixed Location				3	2					1			6
Fire, Other	62	75	53	87	65	66	58	75	49	78	67	42	777
Fires In Structure Other Than In A Building	19	15	15	21	14	15	14	17	24	18	16	11	199
Fuel Burner/Boiler Malfunction, Fire Confined	110	89	80	31	19	14	12	13	16	63	64	79	590
Incinerator Overload Or Malfunction, Fire Confined	3	1	6	3	2	2	1	2	9	4	2	3	38
Trash Or Rubbish Fire, Contained	85	43	67	93	94	66	74	104	74	77	70	62	909
Total	1,328	1,213	1,225	1,296	1,174	1,001	1,025	1,054	1,094	1,153	1,256	1,277	14,096

Confined Fires By Specific Incident Type													
Incident Type	January	February	March	April	May	June	July	August	September	October	November	December	Total
Chimney Or Flue Fire, Confined To Chimney Or Flue	79	95	61	37	15	6	6	8	7	37	52	66	469
Commercial Compactor Fire, Confined To Rubbish		2		2	3	2	1		3	1	4	5	23
Cooking Fire, Confined To Container	726	659	746	732	753	674	635	651	731	665	762	764	8,498
Fuel Burner/Boiler Malfunction, Fire Confined	110	89	80	31	19	14	12	13	16	63	64	79	590
Incinerator Overload Or Malfunction, Fire Confined	3	1	6	3	2	2	1	2	9	4	2	3	38
Trash Or Rubbish Fire, Contained	85	43	67	93	94	66	74	104	74	77	70	62	909
Total	1,003	889	960	898	886	764	729	778	840	847	954	979	10,527

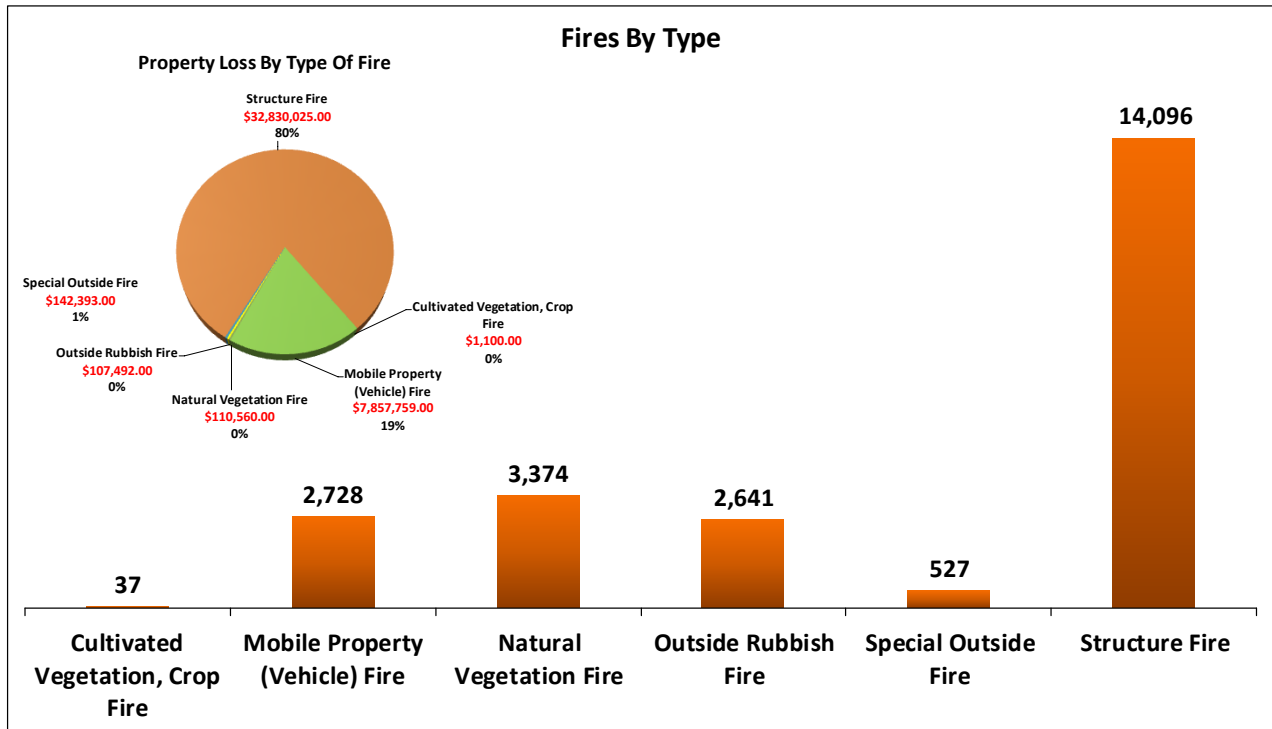
MONTH	TOTAL FIRES	FIRE SERVICE		CIVILIAN FIRE		CIVILIAN FIRE		PROPERTY LOSS		CONTENTS LOSS	
		INJURIES	FATALITIES	INJURIES	FATALITIES	INJURIES	FATALITIES	LOSS	LOSS		
January	1,905	32	12	26		\$2,913,307.00	\$1,110,765.00				
February	1,642	38	8	23		\$4,525,363.00	\$1,814,296.00				
March	1,912	45	2	25		\$4,189,821.00	\$1,275,787.00				
April	2,696	45	6	18		\$5,614,683.00	\$1,726,465.00				
May	2,199	28	3	16		\$3,724,238.00	\$1,159,710.00				
June	1,772	32	6	26		\$1,860,323.00	\$489,261.00				
July	1,828	63	2	9		\$2,832,841.00	\$1,264,788.00				
August	1,775	38	3	12		\$2,825,538.00	\$806,258.00				
September	1,866	29	3	14		\$2,173,215.00	\$674,909.00				
October	1,920	23	3	17		\$2,768,651.00	\$1,409,817.00				
November	2,181	34	4	9		\$3,476,156.00	\$905,367.00				
December	1,707	46	8	24		\$4,145,193.00	\$2,318,188.00				
TOTALS	23,403	453	60	219		\$41,049,329.00	\$14,955,611.00				

FIRE INCIDENTS

Fire Departments That Reported Over 400 Fire Incidents In Their Cities



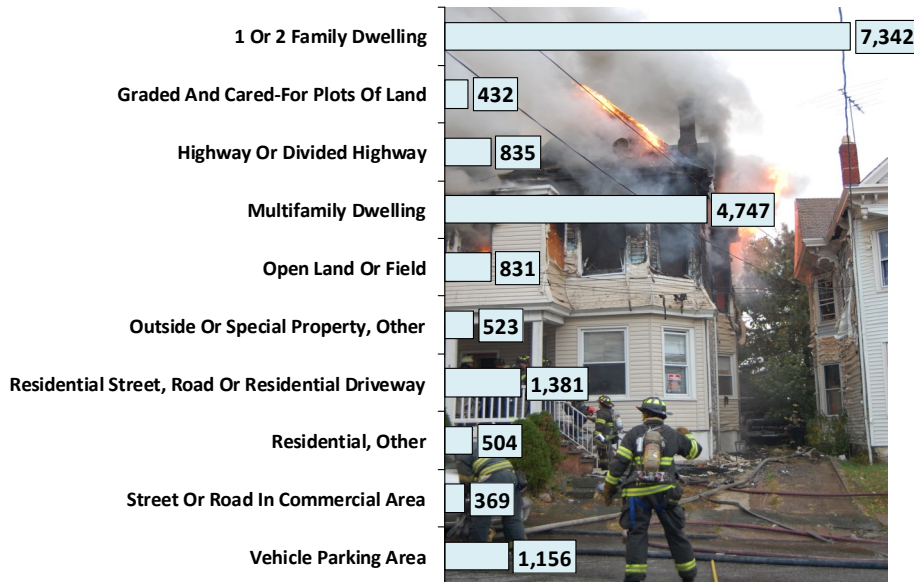
	2008 691 FIRE	2009 687 FIRE	2010 688 FIRE	2011 682 FIRE	2012 670 FIRE	2013 646 FIRE
INCIDENT TYPES	DEPARTMENTS SUBMITTED DATA	DEPARTMENTS SUBMITTED DATA	DEPARTMENTS SUBMITTED DATA	DEPARTMENTS SUBMITTED DATA	DEPARTMENTS SUBMITTED DATA	DEPARTMENTS SUBMITTED DATA
Structure Fires	17,664	17,447	16,477	15,291	14,443	14,096
Vehicle Fires	4,299	4,009	3,581	3,138	2,522	2,728
All Other Fires	11,977	8,169	10,783	7,119	7,755	6,579
TOTAL FIRES	33,940	29,625	30,841	25,548	24,720	23,403



FIRE INCIDENTS

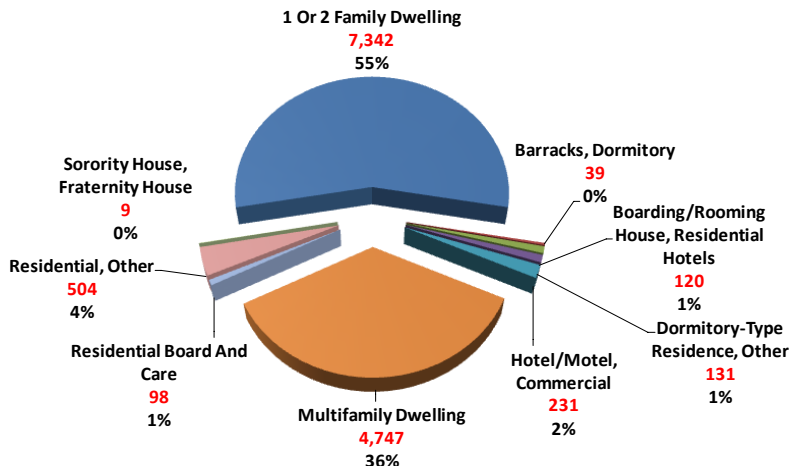
Property Use Category	Cultivated Vegetation, Crop Fire	Mobile Property (Vehicle) Fire	Natural Vegetation Fire	Outside Rubbish Fire	Special Outside Fire	Structure Fire	Total
Assembly		26	110	114	17	528	795
Educational		13	16	52	5	242	328
Health Care, Detention And Correction		10	28	15	4	370	427
Industrial, Utility, Defense, Agriculture, Mining	3	11	109	21	20	36	200
Information Not Provided By Fire Department			1	1		1	3
Manufacturing, Processing		8	7	14	7	69	105
Mercantile, Business	1	136	208	161	21	662	1,189
None		34	44	17	4	28	127
Other	1	26	33	18	4	48	130
Outside Or Special Property	26	2,253	2,152	1,279	192	455	6,357
Residential	4	141	607	859	227	11,383	13,221
Storage	2	60	35	70	19	210	396
Undetermined		10	24	20	7	64	125
Total	37	2,728	3,374	2,641	527	14,096	23,403

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



Picture courtesy of Chris Tompkins:
Paterson, New Jersey; October 19, 2013

Residential Property Use Fires



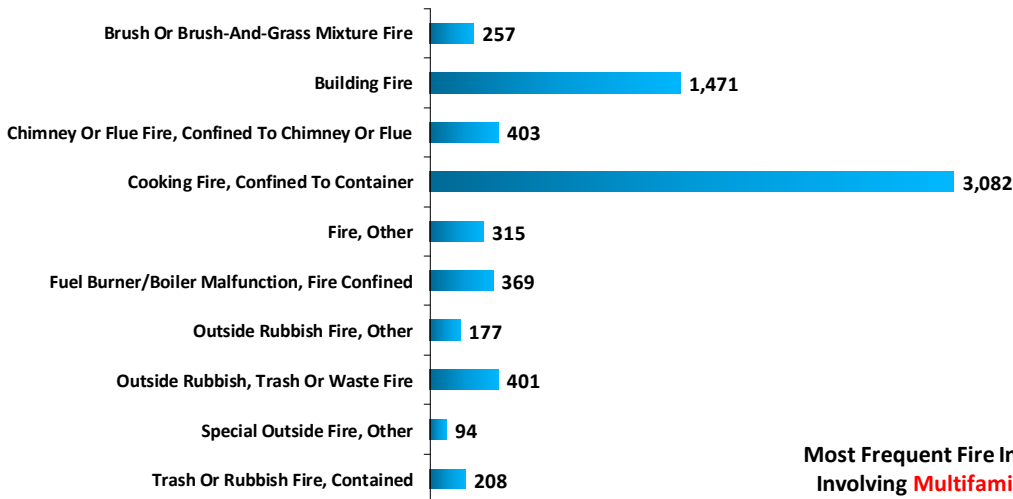
FIRE INCIDENTS

Most Frequent Fire Incident Types Involving Residential Property Uses

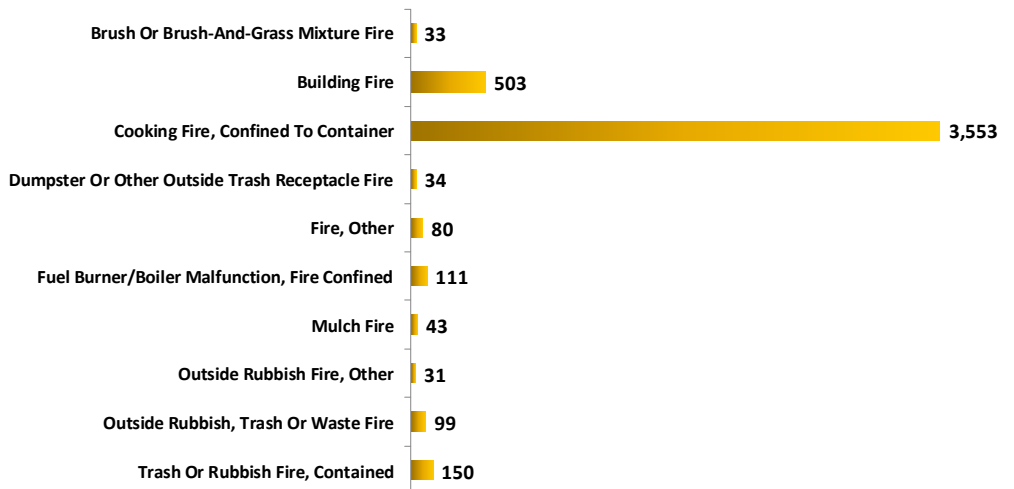


Picture courtesy of Chris Tompkins:
Garfield, New Jersey; March 19, 2013

Most Frequent Fire Incident Types Involving 1 Or 2 Family Dwellings



Most Frequent Fire Incident Types Involving Multifamily Dwellings



STRUCTURE FIRE INCIDENTS

Structure Fires By County



Picture courtesy of Chris Tompkins:
Hackensack, New Jersey; March 17, 2013

Structure Fires By Property Use Category

Structure Type	Total		% Of Total	Property Loss	Contents Loss
	Structure Fires				
Assembly	528		3.75%	\$1,422,954.00	\$1,101,193.00
Educational	242		1.72%	\$1,225,500.00	\$143,107.00
Health Care, Detention And Correction	370		2.62%	\$71,803.00	\$53,314.00
Industrial, Utility, Defense, Agriculture, Mining	36		0.26%	\$10,501.00	\$40,001.00
Information Not Provided By Fire Department	1		0.01%	\$0.00	\$0.00
Manufacturing, Processing	69		0.49%	\$368,001.00	\$707,601.00
Mercantile, Business	662		4.70%	\$1,165,702.00	\$700,669.00
None	28		0.20%	\$43,000.00	\$70,000.00
Other	48		0.34%	\$64,001.00	\$5,001.00
Outside Or Special Property	455		3.23%	\$151,497.00	\$17,858.00
Residential	11,383		80.75%	\$26,953,565.00	\$8,998,259.00
Storage	210		1.49%	\$1,352,501.00	\$1,947,002.00
Undetermined	64		0.45%	\$1,000.00	\$300.00
Total	14,096		100.00%	\$32,830,025.00	\$13,784,305.00

STRUCTURE FIRE INCIDENTS

Residential Structure Fires					
Incident Type	Total		% Of Total	Contents Property Loss	Contents Loss
	Structure Fires				
Building Fire	2,072		18.20%	\$26,188,674.00	\$8,091,253.00
Chimney Or Flue Fire, Confined To Chimney Or Flue	449		3.94%	\$33,452.00	\$15,901.00
Commercial Compactor Fire, Confined To Rubbish	11		0.10%	\$1,000.00	\$0.00
Cooking Fire, Confined To Container	7,310		64.22%	\$89,814.00	\$612,539.00
Fire In Mobile Home Used As Fixed Residence	9		0.08%	\$136,000.00	\$33,000.00
Fire In Motor Home, Camper, Recreational Vehicle	3		0.03%	\$15,000.00	\$10,000.00
Fire, Other	480		4.22%	\$131,003.00	\$78,004.00
Fires In Structure Other Than In A Building	125		1.10%	\$292,410.00	\$83,920.00
Fuel Burner/Boiler Malfunction, Fire Confined	497		4.37%	\$43,250.00	\$45,450.00
Incinerator Overload Or Malfunction, Fire Confined	31		0.27%	\$15,000.00	\$0.00
Trash Or Rubbish Fire, Contained	396		3.48%	\$7,962.00	\$28,192.00
Total	11,383		100.00%	\$26,953,565.00	\$8,998,259.00



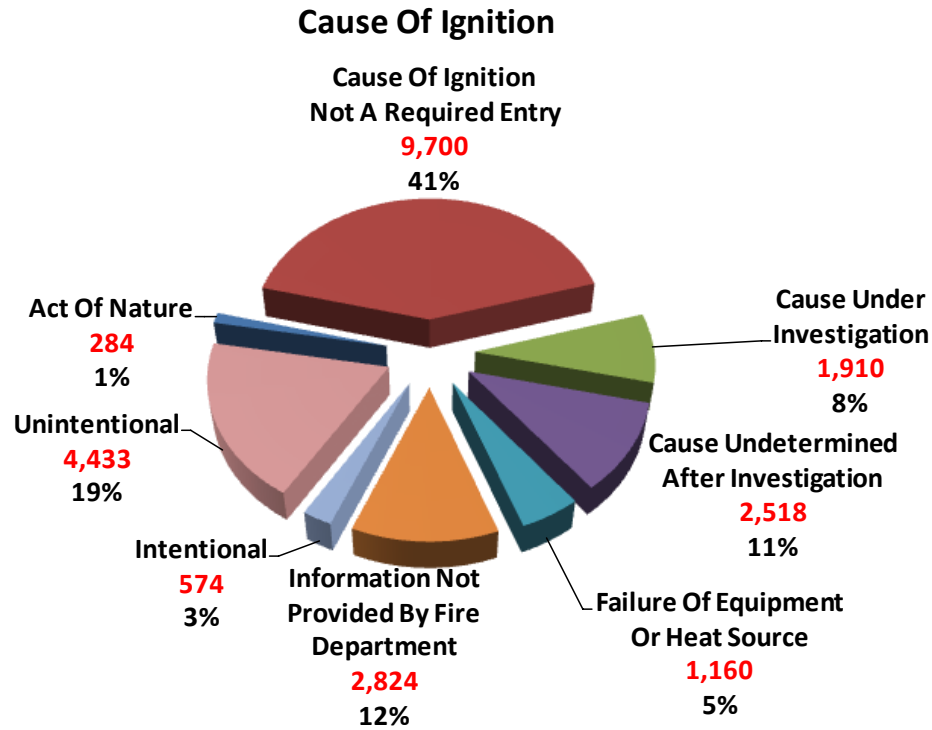
Picture courtesy of H.J. Whitey Swartz:
Pleasantville, New Jersey; January 25, 2013

Structure Type Of Structure Fires	Total
Air Supported Structure	1
Connective Structure	21
Enclosed Building	2,555
Information Not Provided By Fire Department	805
Open Platform	14
Open Structure	34
Other	161
Portable/Mobile Structure	36
Structure Type Not A Required Entry	10,467
Tent	1
Underground Structure	1
Total	14,096

Status Of Enclosed Building Fires	Total
Being Demolished	11
Idle, Not Routinely Used	19
Illegal Residential Conversion	7
Occupied And Operating	2,206
Other	24
Overcrowding	1
Under Construction	37
Under Major Renovation	22
Undetermined	43
Vacant And Secured	91
Vacant And Unsecured	94
Total	2,555



FIRE INCIDENTS - CAUSE OF IGNITION

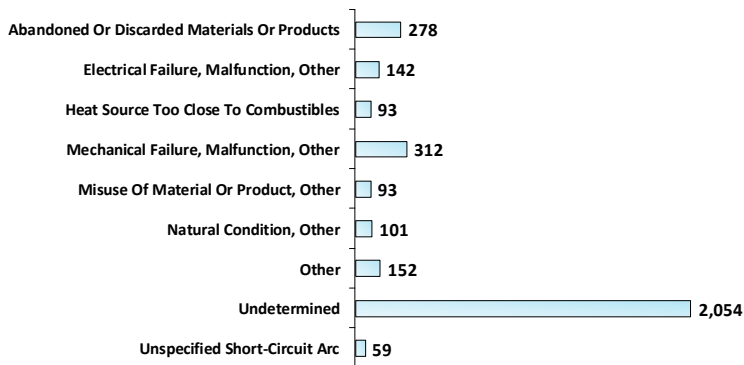


Property Use Category	Act Of Nature	Cause Of Ignition Not A Required Entry	Cause Under Investigation	Cause Undetermined After Investigation	Failure Of Equipment Or Heat Source	Information Not Provided By Fire Department	Intentional	Unintentional	Total
Assembly	6	365	55	67	29	122	16	135	795
Educational	2	191	21	17	10	47	9	31	328
Health Care, Detention And Correction	3	296	15	18	16	21	3	55	427
Industrial, Utility, Defense, Agriculture, Mining	9	14	28	61	19	18	16	35	200
Information Not Provided By Fire Department					1	2			3
Manufacturing, Processing	2	29	17	12	5	17	1	22	105
Mercantile, Business	10	403	93	167	59	184	13	260	1,189
None	1	15	13	21	5	20	6	46	127
Other	5	11	21	18	3	37	5	30	130
Outside Or Special Property	153	248	703	1,515	564	1,277	240	1,657	6,357
Residential	72	8,054	863	541	417	982	256	2,036	13,221
Storage	21	36	74	58	25	69	8	105	396
Undetermined		38	7	23	7	28	1	21	125
Total	284	9,700	1,910	2,518	1,160	2,824	574	4,433	23,403

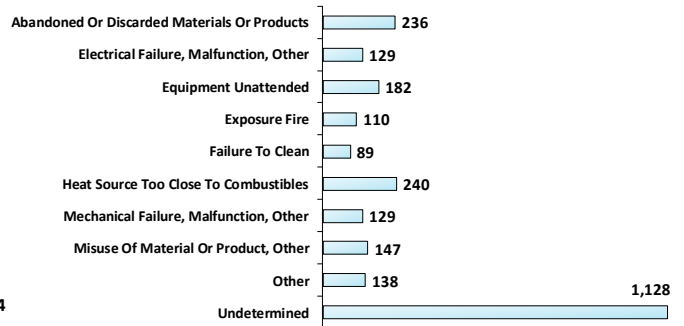
Structure Fires - Cause Of Ignition					
Cause Of Ignition	Incidents	% Of Total	Property Loss	Contents Loss	Total
Act Of Nature	47	0.33%	\$142,600.00	\$35,100.00	\$177,700.00
Cause Of Ignition Not A Required Entry	9,700	68.81%	\$159,910.00	\$904,820.00	\$1,064,730.00
Cause Under Investigation	977	6.93%	\$12,161,363.00	\$4,221,675.00	\$16,383,038.00
Cause Undetermined After Investigation	499	3.54%	\$6,845,159.00	\$3,274,778.00	\$10,119,937.00
Failure Of Equipment Or Heat Source	478	3.39%	\$3,366,206.00	\$1,030,207.00	\$4,396,413.00
Information Not Provided By Fire Department	307	2.18%	\$156,000.00	\$19,001.00	\$175,001.00
Intentional	144	1.02%	\$1,002,806.00	\$297,571.00	\$1,300,377.00
Unintentional	1,944	13.79%	\$8,995,981.00	\$4,001,153.00	\$12,997,134.00
Total	14,096	100.00%	\$32,830,025.00	\$13,784,305.00	\$46,614,330.00

FIRE INCIDENTS - FACTORS CONTRIBUTING TO IGNITION

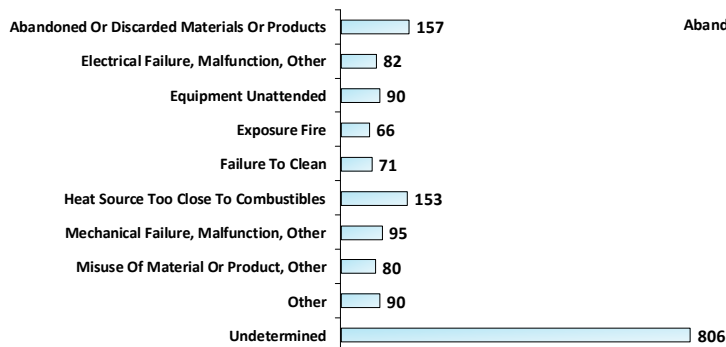
**Most Frequent Factors Contributing To Ignition
Non-Residential Property Uses**



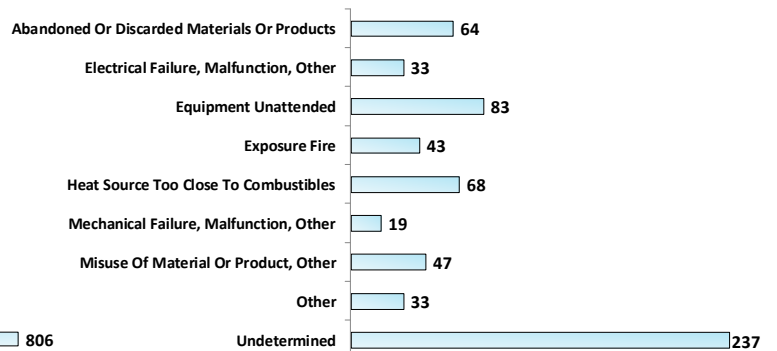
**Most Frequent Factors Contributing To Ignition
Residential Property Uses**



**Most Frequent Factors Contributing To Ignition
1 Or 2 Family Dwellings**



**Most Frequent Factors Contributing To Ignition
Multifamily Dwellings**

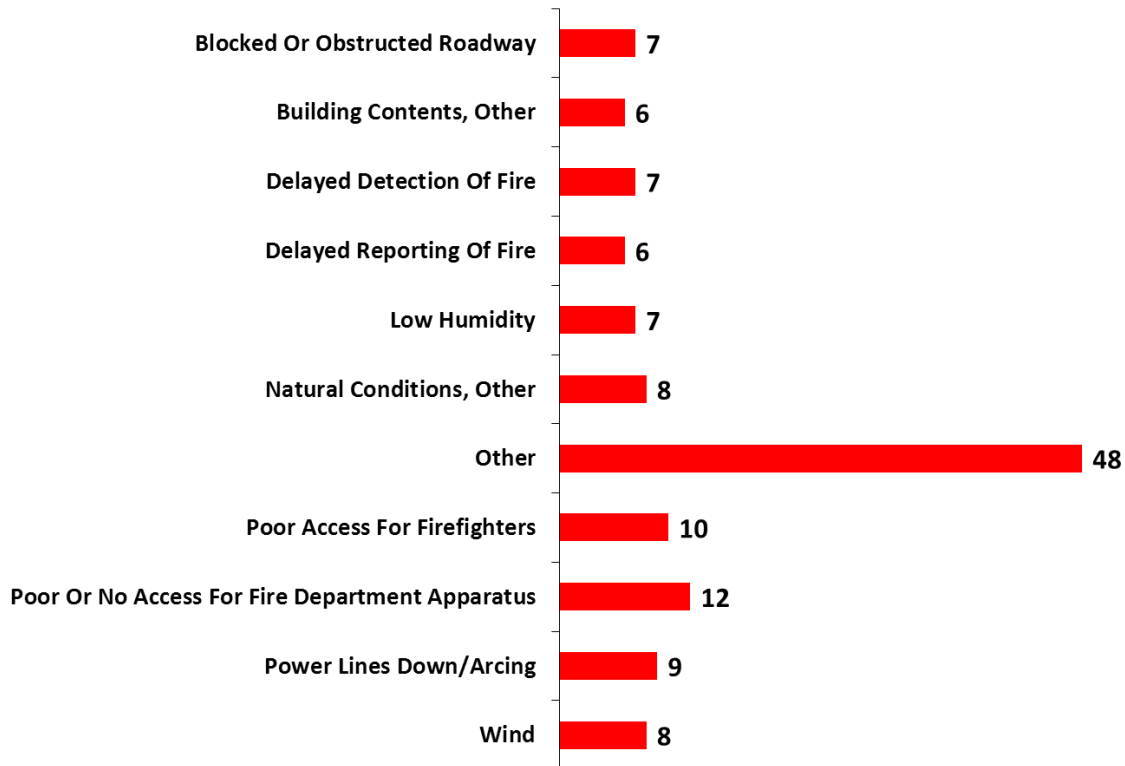


Non-Residential Property Uses	Human Factors Contributing To Ignition			
	Human Factor	Incidents	Property Loss	Contents Loss
	Age Was A Factor	24	\$3,000.00	\$30.00
	Fell Asleep	55	\$192,350.00	\$21,500.00
	Multiple Persons Involved	31	\$47,350.00	\$11,300.00
	Person Possibly Impaired By Drug Or Alcohol	38	\$216,600.00	\$160,100.00
	Physically Disabled	4	\$0.00	\$0.00
	Possibly Mentally Disabled	8	\$0.00	\$0.00
	Unattended Or Unsupervised Person	140	\$126,900.00	\$73,525.00
	Total	300	\$586,200.00	\$266,455.00

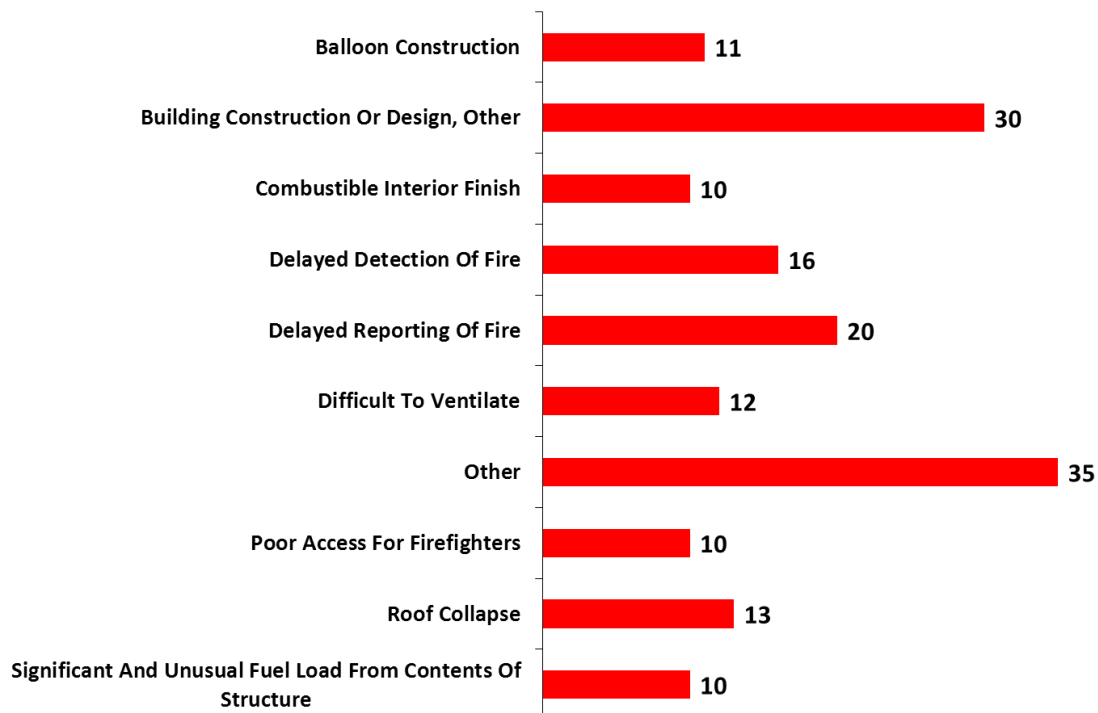
Residential Property Uses	Human Factors Contributing To Ignition			
	Human Factor	Incidents	Property Loss	Contents Loss
	Age Was A Factor	62	\$512,850.00	\$82,150.00
	Fell Asleep	147	\$2,873,801.00	\$678,301.00
	Multiple Persons Involved	32	\$101,310.00	\$60,005.00
	Person Possibly Impaired By Drug Or Alcohol	33	\$327,300.00	\$155,255.00
	Physically Disabled	8	\$51,000.00	\$20,100.00
	Possibly Mentally Disabled	31	\$263,000.00	\$49,010.00
	Unattended Or Unsupervised Person	236	\$750,152.00	\$760,366.00
	Total	549	\$4,879,413.00	\$1,805,187.00

FIRE INCIDENTS - FIRE SUPPRESSION FACTORS

Most Frequent Fire Suppression Factors Non-Residential Property Uses



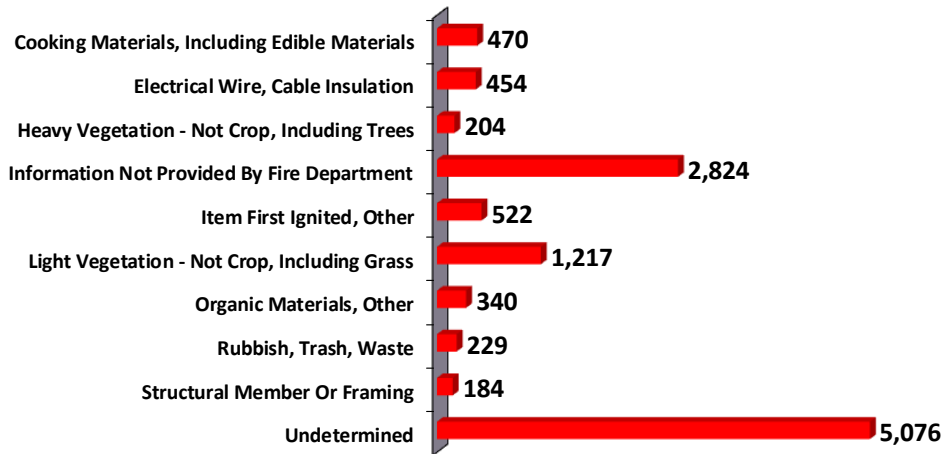
Most Frequent Fire Suppression Factors Residential Property Uses



FIRE INCIDENTS - ITEM FIRST IGNITED

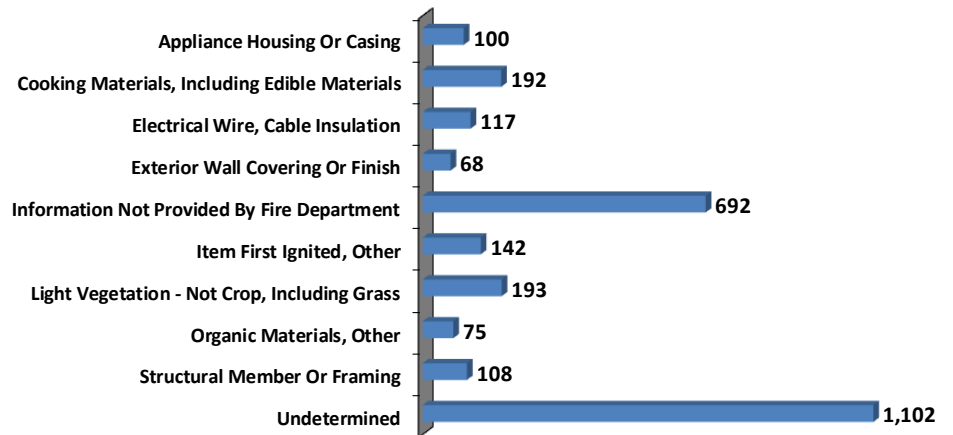
Most Frequent Item First Ignited

All Property Uses



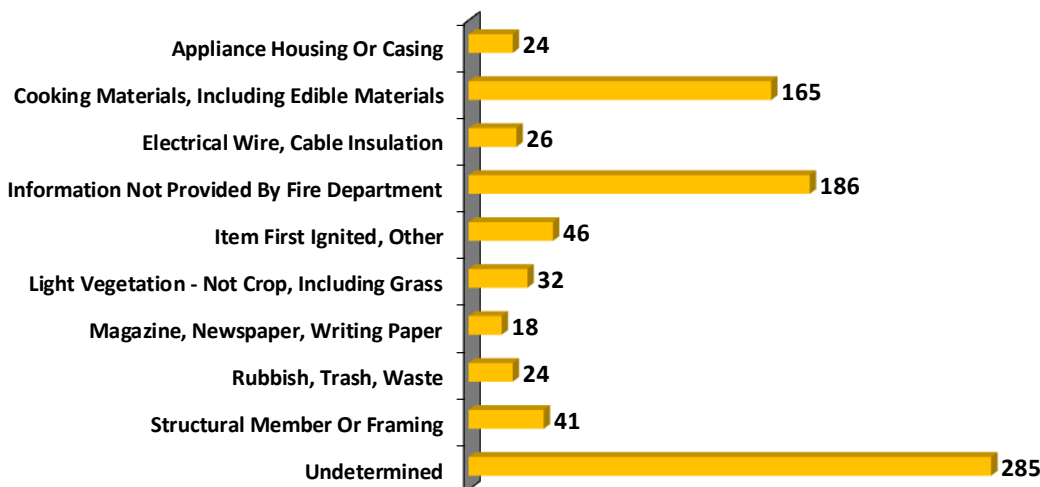
Most Frequent Item First Ignited

1 Or 2 Family Dwellings



Most Frequent Item First Ignited

Multifamily Dwellings

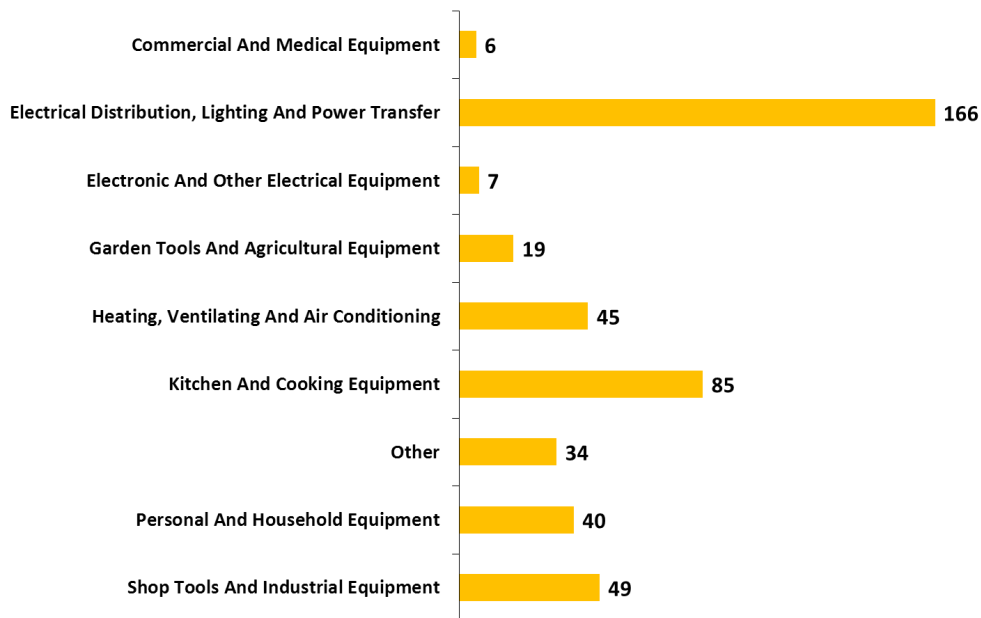


FIRE INCIDENTS - EQUIPMENT INVOLVED

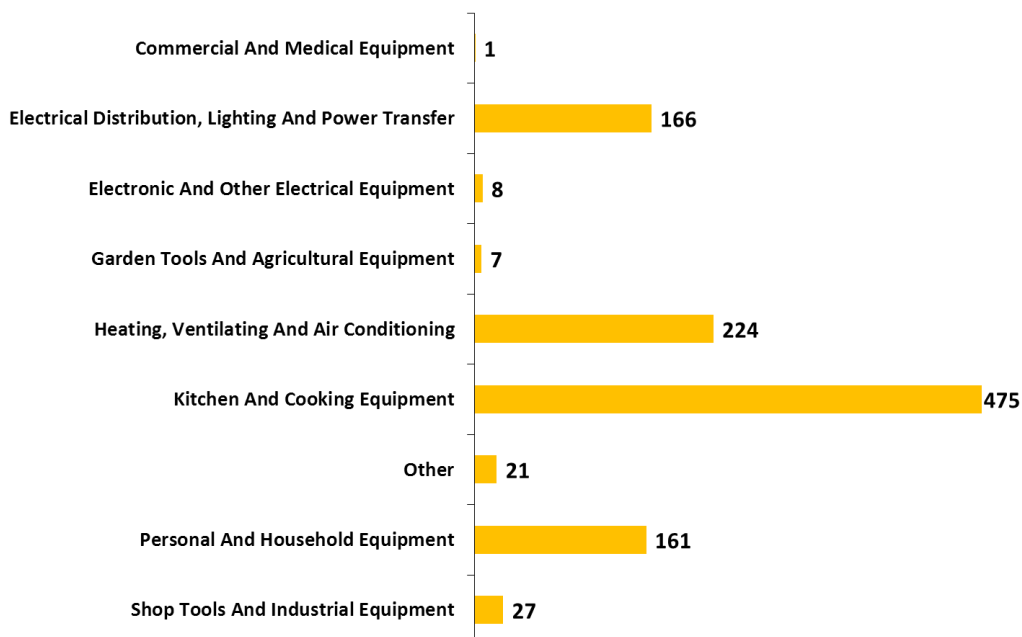
Structure Fires = 14,096
 Equipment Involved In Ignition = 1,279
 Equipment Brand Identified = 246

Of the 14,096 reported structure fire incidents, only 1,279 (9%) of those incidents were identified as having equipment involved in ignition. Of those 1,279 incidents, only 246 (19%) were identified by the product brand name. Of the 14,096 structure fire incidents, fire departments did not provide information for 2,276 (16%) 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

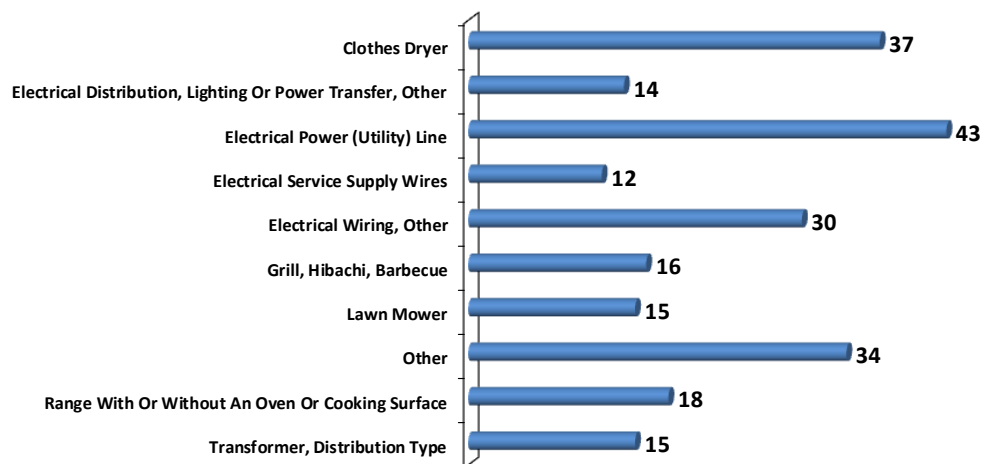


FIRE INCIDENTS - EQUIPMENT INVOLVED

Most Frequent Equipment Involved In Ignition													
Equipment Involved	January	February	March	April	May	June	July	August	September	October	November	December	Total
Clothes Dryer	18	16	8	20	11	9	15	9	13	13	15	16	163
Electrical Power (Utility) Line	3	1	4	8	4	4	8	4	4	1	3	1	45
Electrical Wiring, Other	5	3	5	3	8	7	5	7	9	6	3	7	68
Fan	1	5	2	6	1	4	2	5	1	4	1	3	35
Grill, Hibachi, Barbecue	3		2	10	9	13	16	5	3	4	1	2	68
Heater	3	6		1	1		1	1		2	4	2	21
Heating, Ventilating And Air Conditioning, Other	1	3	1	2	1		1	3	1	1	6	3	23
Kitchen And Cooking Equipment, Other	7	7	6	5	4	5	3	3	5	2	2	2	51
Lawn Mower			1		1	3	3	3	3	1	4	1	20
Microwave Oven	3		5	3	2		6	6	2	2	2	3	34
Other	4	5	7	12	4			5	4	2	5	7	55
Outlet, Receptacle		4	1	3	3	1	3	3	1	1			21
Oven, Rotisserie	5	6	3	2	5	2	7	4	6	9	7	9	65
Range With Or Without An Oven Or Cooking Surface	20	21	16	24	29	11	16	19	17	24	16	25	238
Stove, Heating	8	1	4	6	4		3	10	11	9	5	4	65
Toaster, Toaster Oven, Counter-Top Broiler	2		3	4	4		4		4	3	4	5	33
Wok, Frying Pan, Skillet	1		1		1		5	8	2	6	2	3	29

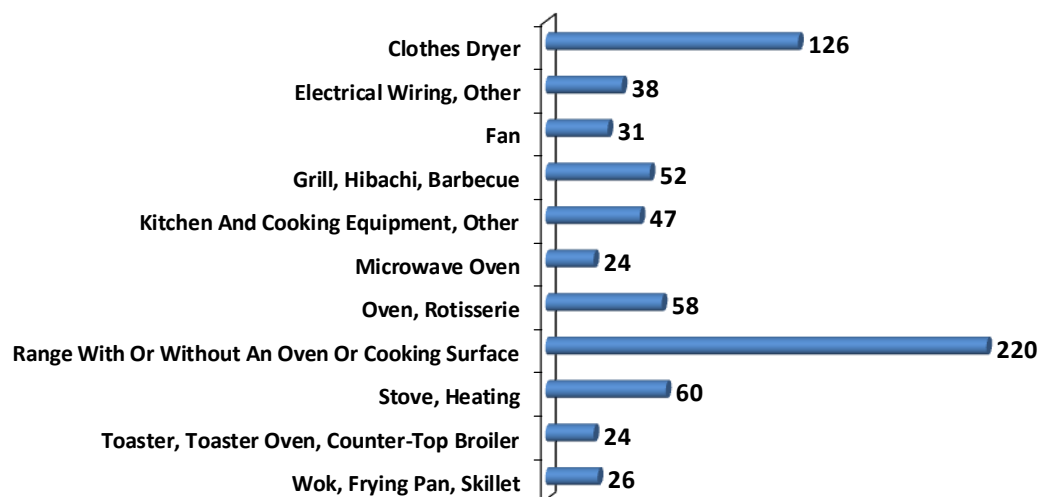
Most Frequent Equipment Involved In Ignition

Non-Residential Property Uses



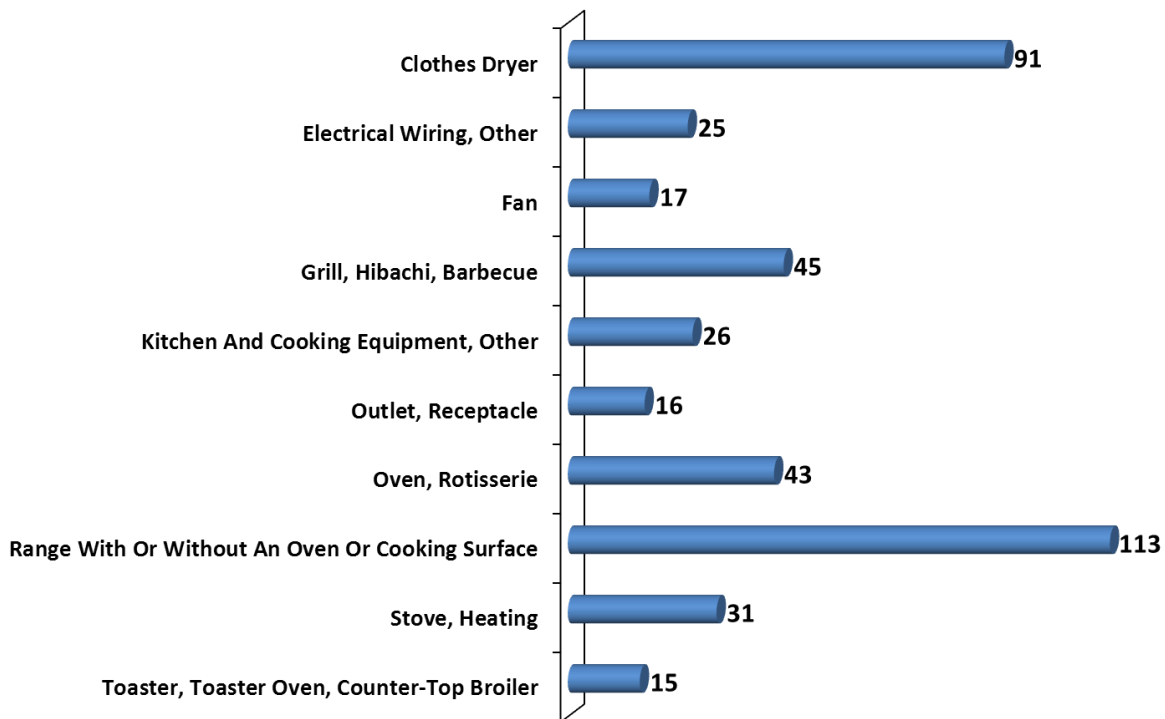
Most Frequent Equipment Involved In Ignition

Residential Property Uses

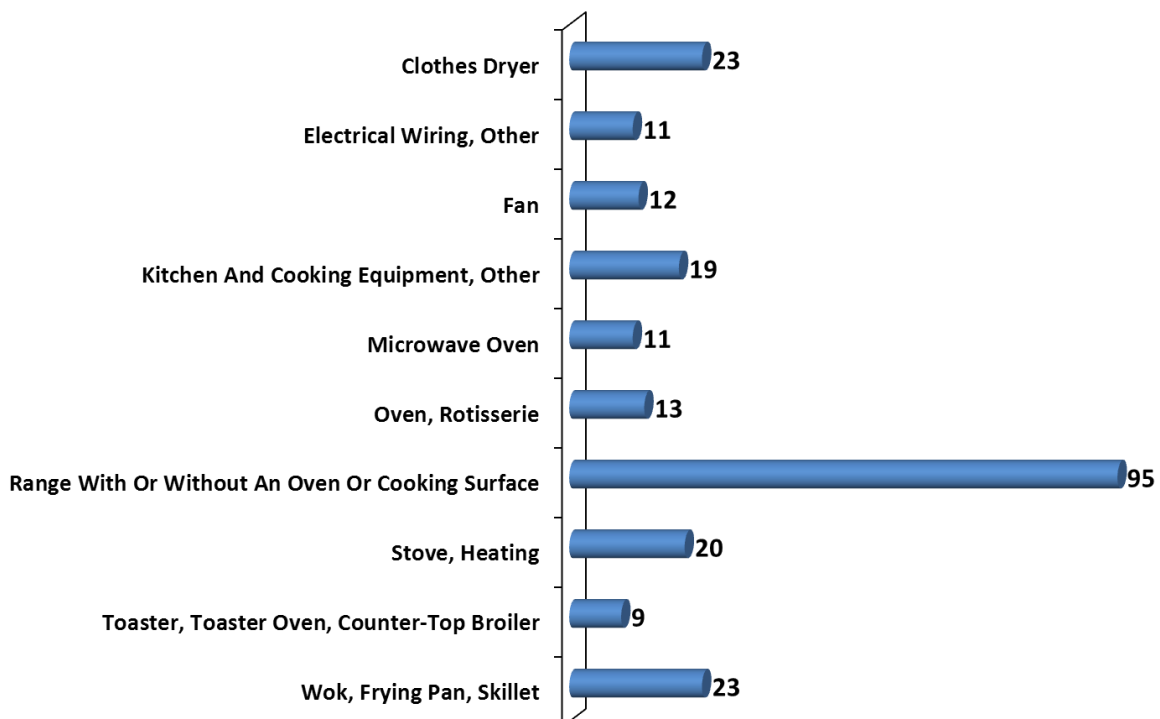


FIRE INCIDENTS - EQUIPMENT INVOLVED

Most Frequent Equipment Involved In Ignition 1 Or 2 Family Dwellings



Most Frequent Equipment Involved In Ignition Multifamily Dwellings



FIRE INCIDENTS - HEAT SOURCE

Most Frequent Heat Source Of Fires	Incidents	Property Loss	Contents Loss
Cigarette	303	\$459,915.00	\$203,367.00
Electrical Arcing	584	\$2,775,535.00	\$740,910.00
Heat From Other Open Flame Or Smoking Materials	170	\$145,167.00	\$147,172.00
Heat From Powered Equipment, Other	636	\$2,440,111.00	\$741,746.00
Heat Source: Other	541	\$1,189,118.00	\$306,143.00
Heat, Spark From Friction	118	\$249,121.00	\$599,801.00
Hot Ember Or Ash	472	\$972,948.00	\$550,280.00
Hot Or Smoldering Object, Other	441	\$540,752.00	\$236,641.00
Match	149	\$54,553.00	\$6,028.00
Radiated, Conducted Heat From Operating Equipment	600	\$1,438,574.00	\$618,089.00
Spark, Ember Or Flame From Operating Equipment	347	\$1,653,317.00	\$465,779.00



Picture courtesy of Bill Tompkins:
Rochelle Park, New Jersey; August 31, 2013

Most Frequent Heat Source Of Fires	January	February	March	April	May	June	July	August	September	October	November	December
Cigarette	16	16	20	67	40	18	25	15	24	21	31	10
Electrical Arcing	41	43	37	62	47	54	59	49	47	44	43	58
Heat From Other Open Flame Or Smoking Materials	9	18	17	25	8	16	10	18	14	15	13	7
Heat From Powered Equipment, Other	62	38	30	65	74	61	57	47	31	47	77	47
Heat Source: Other	48	38	44	59	40	39	40	44	40	48	67	34
Heat, Spark From Friction	12	7	7	16	12	8	11	11	9	8	13	4
Hot Ember Or Ash	45	41	41	73	42	21	22	14	25	36	89	23
Hot Or Smoldering Object, Other	31	20	34	56	38	40	46	29	40	37	44	26
Match	6	5	15	26	14	12	15	13	14	13	7	9
Radiated, Conducted Heat From Operating Equipment	70	47	36	45	34	37	59	50	43	61	55	63
Spark, Ember Or Flame From Operating Equipment	31	25	20	28	36	37	26	31	25	36	18	34

FIRE INCIDENTS - HEAT SOURCE

Most Frequent Heat Source Of Fires - Non-Residential/Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	162	\$13,002.00	\$54.00
Electrical Arcing	239	\$160,104.00	\$30,654.00
Heat From Powered Equipment, Other	245	\$561,155.00	\$197,703.00
Heat Source: Other	216	\$182,103.00	\$48,753.00
Heat, Spark From Friction	85	\$117,041.00	\$5,801.00
Hot Ember Or Ash	199	\$47,960.00	\$55,650.00
Hot Or Smoldering Object, Other	189	\$88,001.00	\$17,550.00
Match	75	\$33,001.00	\$501.00
Radiated, Conducted Heat From Operating Equipment	182	\$348,720.00	\$13,520.00
Spark, Ember Or Flame From Operating Equipment	117	\$185,038.00	\$24,825.00

Most Frequent Heat Source Of Fires - Non-Residential/Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	20	\$60,000.00	\$17,000.00
Electrical Arcing	80	\$344,200.00	\$198,500.00
Heat From Direct Flame, Convection Currents	20	\$45,002.00	\$51,602.00
Heat From Other Open Flame Or Smoking Materials	18	\$150.00	\$75,150.00
Heat From Powered Equipment, Other	87	\$1,105,000.00	\$244,450.00
Heat Source: Other	46	\$100,003.00	\$23,523.00
Hot Ember Or Ash	27	\$17,001.00	\$10,253.00
Hot Or Smoldering Object, Other	40	\$34,050.00	\$14,750.00
Radiated, Conducted Heat From Operating Equipment	70	\$110,300.00	\$47,050.00
Spark, Ember Or Flame From Operating Equipment	37	\$154,500.00	\$96,900.00

Most Frequent Heat Source Of Fires - Residential/NonStructure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	40	\$1,002.00	\$2.00
Electrical Arcing	29	\$28,000.00	\$8,600.00
Heat From Other Open Flame Or Smoking Materials	29	\$1,016.00	\$1,021.00
Heat From Powered Equipment, Other	37	\$109,950.00	\$1,600.00
Heat Source: Other	84	\$40,507.00	\$25,502.00
Hot Ember Or Ash	99	\$23,826.00	\$1,376.00
Hot Or Smoldering Object, Other	48	\$1,800.00	\$400.00
Lighter: Cigarette, Cigar	26	\$20,500.00	\$0.00
Match	41	\$3,000.00	\$0.00
Spark, Ember Or Flame From Operating Equipment	28	\$19,600.00	\$1,501.00

Most Frequent Heat Source Of Fires - Residential/Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Candle	67	\$1,151,900.00	\$166,000.00
Cigarette	81	\$385,911.00	\$186,311.00
Electrical Arcing	236	\$2,243,231.00	\$503,156.00
Heat From Direct Flame, Convection Currents	72	\$404,002.00	\$192,652.00
Heat From Other Open Flame Or Smoking Materials	81	\$144,000.00	\$71,000.00
Heat From Powered Equipment, Other	267	\$664,006.00	\$297,993.00
Heat Source: Other	195	\$866,505.00	\$208,365.00
Hot Ember Or Ash	147	\$884,161.00	\$483,001.00
Hot Or Smoldering Object, Other	164	\$416,901.00	\$203,941.00
Radiated, Conducted Heat From Operating Equipment	329	\$964,553.00	\$556,919.00
Spark, Ember Or Flame From Operating Equipment	165	\$1,294,179.00	\$342,553.00

FIRE INCIDENTS - HEAT SOURCE

Most Frequent Heat Source Of Fires - 1 Or 2 Family Dwellings /Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	25	\$1,000.00	\$0.00
Electrical Arcing	25	\$25,500.00	\$8,100.00
Heat From Other Open Flame Or Smoking Materials	25	\$1,015.00	\$1,020.00
Heat From Powered Equipment, Other	32	\$108,200.00	\$1,500.00
Heat Source: Other	56	\$14,005.00	\$0.00
Hot Ember Or Ash	82	\$22,826.00	\$376.00
Hot Or Smoldering Object, Other	37	\$1,800.00	\$400.00
Lighter: Cigarette, Cigar	18	\$20,500.00	\$0.00
Match	40	\$3,000.00	\$0.00
Spark, Ember Or Flame From Operating Equipment	27	\$19,600.00	\$1,501.00

Most Frequent Heat Source Of Fires - 1 Or 2 Family Dwellings/Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Candle	48	\$1,148,900.00	\$164,100.00
Cigarette	55	\$373,910.00	\$177,810.00
Electrical Arcing	181	\$2,000,000.00	\$456,155.00
Heat From Direct Flame, Convection Currents	46	\$392,501.00	\$187,951.00
Heat From Other Open Flame Or Smoking Materials	42	\$125,500.00	\$41,000.00
Heat From Powered Equipment, Other	153	\$566,402.00	\$251,114.00
Heat Source: Other	124	\$452,002.00	\$92,662.00
Hot Ember Or Ash	113	\$851,660.00	\$474,360.00
Hot Or Smoldering Object, Other	105	\$397,900.00	\$183,190.00
Radiated, Conducted Heat From Operating Equipment	201	\$881,551.00	\$518,701.00
Spark, Ember Or Flame From Operating Equipment	114	\$1,254,976.00	\$327,751.00

Most Frequent Heat Source Of Fires - Multifamily Dwellings/Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	12	\$1.00	\$1.00
Electrical Arcing	2	\$2,500.00	\$500.00
Heat From Other Open Flame Or Smoking Materials	2	\$0.00	\$0.00
Heat From Powered Equipment, Other	2	\$0.00	\$0.00
Heat Source: Other	10	\$1,500.00	\$500.00
Heat Spread From Another Fire, Other	2	\$0.00	\$0.00
Hot Ember Or Ash	7	\$1,000.00	\$0.00
Hot Or Smoldering Object, Other	7	\$0.00	\$0.00
Lighter: Cigarette, Cigar	6	\$0.00	\$0.00

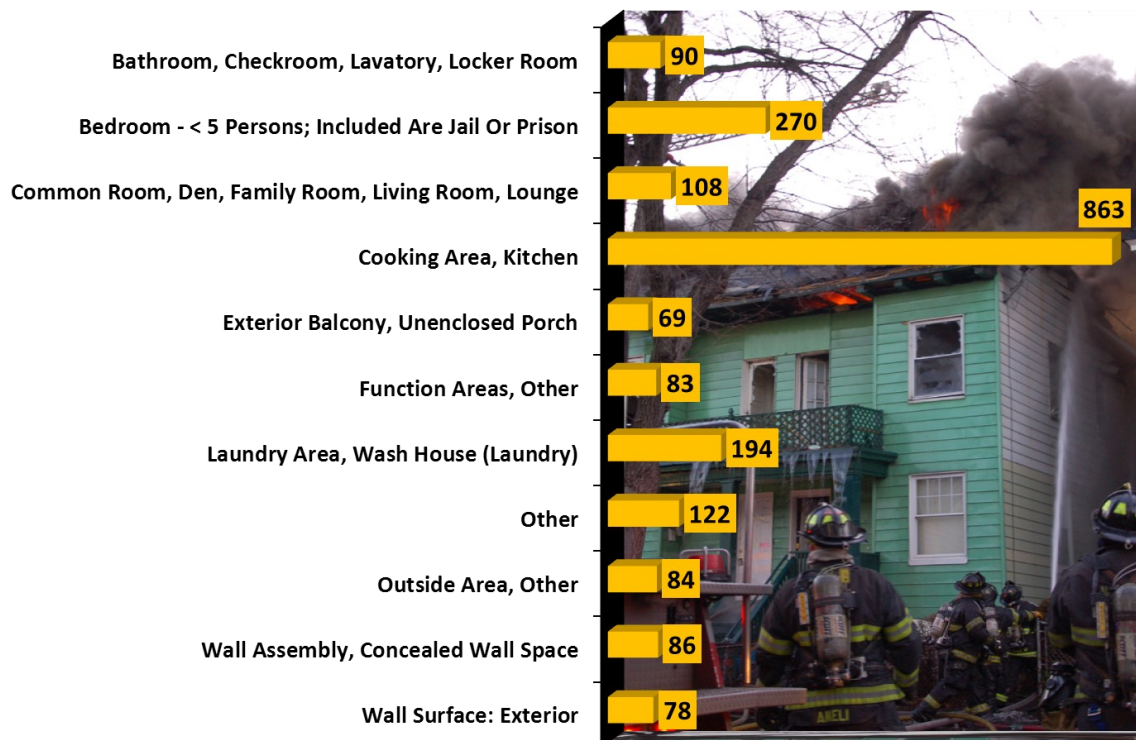
Most Frequent Heat Source Of Fires - Multifamily Dwellings/Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Candle	14	\$3,000.00	\$1,000.00
Cigarette	19	\$12,001.00	\$7,001.00
Electrical Arcing	44	\$92,030.00	\$37,000.00
Heat From Direct Flame, Convection Currents	24	\$8,501.00	\$3,701.00
Heat From Other Open Flame Or Smoking Materials	35	\$18,500.00	\$5,000.00
Heat From Powered Equipment, Other	84	\$88,603.00	\$41,378.00
Heat Source: Other	42	\$410,501.00	\$115,201.00
Hot Ember Or Ash	20	\$7,501.00	\$601.00
Hot Or Smoldering Object, Other	41	\$17,000.00	\$18,750.00
Radiated, Conducted Heat From Operating Equipment	105	\$82,502.00	\$37,318.00
Spark, Ember Or Flame From Operating Equipment	45	\$34,203.00	\$14,802.00

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Area Of Fire Origin - Non-Residential Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cargo/Trunk Area - All Vehicles	108	\$336,907.00	\$39,052.00
Courtyard, Patio, Porch, Terrace	116	\$2,750.00	\$0.00
Engine Area, Running Gear, Wheel Area	1,409	\$4,113,281.00	\$800,560.00
Highway, Parking Lot, Street: On Or Near	698	\$168,223.00	\$26,911.00
Open Area - Outside; Included Are Farmland, Field	501	\$53,925.00	\$8,000.00
Operator/Passenger Area Of Transportation Equipment	187	\$530,954.00	\$109,102.00
Other	211	\$148,652.00	\$38,952.00
Outside Area, Other	821	\$426,946.00	\$508,121.00
Vehicle Area, Other	251	\$713,003.00	\$8,303.00
Wildland, Woods	395	\$5,102.00	\$601.00

Most Frequent Area Of Fire Origin - Residential Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bathroom, Checkroom, Lavatory, Locker Room	90	\$648,850.00	\$228,210.00
Bedroom - < 5 Persons; Included Are Jail Or Prison	271	\$2,003,050.00	\$523,170.00
Common Room, Den, Family Room, Living Room, Lounge	108	\$1,454,450.00	\$565,050.00
Cooking Area, Kitchen	865	\$2,781,343.00	\$1,268,623.00
Courtyard, Patio, Porch, Terrace	172	\$503,210.00	\$200,611.00
Exterior Balcony, Unenclosed Porch	93	\$1,335,551.00	\$395,501.00
Laundry Area, Wash House (Laundry)	194	\$1,162,853.00	\$574,500.00
Open Area - Outside; Included Are Farmland, Field	140	\$12,550.00	\$1,700.00
Other	194	\$583,802.00	\$42,262.00
Outside Area, Other	420	\$291,071.00	\$213,741.00

Most Frequent Area Of Fire Origin In Residential Structure Fires



Picture courtesy of Bill Tompkins:
East Orange, New Jersey; March 17, 2013

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Area Of Fire Origin - 1 Or 2 Family Dwellings/Non-Structure Fires			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Courtyard, Patio, Porch, Terrace	88	\$31,100.00	\$501.00
Engine Area, Running Gear, Wheel Area	51	\$164,000.00	\$3,100.00
Exterior Balcony, Unenclosed Porch	18	\$0.00	\$1,000.00
Highway, Parking Lot, Street: On Or Near	9	\$250.00	\$0.00
Open Area - Outside; Included Are Farmland, Field	109	\$9,000.00	\$600.00
Other	53	\$200.00	\$0.00
Outside Area, Other	271	\$41,256.00	\$201.00
Vehicle Area, Other	10	\$30,000.00	\$500.00
Wall Surface: Exterior	8	\$2,500.00	\$500.00
Wildland, Woods	35	\$1,000.00	\$1,000.00

Most Frequent Area Of Fire Origin - 1 Or 2 Family Dwellings/Structure Fires			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bedroom - < 5 Persons; Included Are Jail Or Prison	171	\$1,405,600.00	\$362,160.00
Common Room, Den, Family Room, Living Room, Lounge	78	\$1,160,450.00	\$459,050.00
Cooking Area, Kitchen	476	\$2,019,829.00	\$909,354.00
Function Areas, Other	61	\$801,100.00	\$195,500.00
Laundry Area, Wash House (Laundry)	147	\$1,134,153.00	\$552,650.00
Other	93	\$181,501.00	\$30,261.00
Outside Area, Other	67	\$247,810.00	\$213,010.00
Vehicle Storage Area; Garage, Carport	60	\$673,100.00	\$219,150.00
Wall Assembly, Concealed Wall Space	71	\$1,517,801.00	\$374,051.00
Wall Surface: Exterior	63	\$529,000.00	\$174,500.00

Most Frequent Area Of Fire Origin - Multifamily Dwellings/Non-Structure Fires			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Courtyard, Patio, Porch, Terrace	25	\$500.00	\$0.00
Engine Area, Running Gear, Wheel Area	5	\$6,300.00	\$500.00
Exterior Balcony, Unenclosed Porch	4	\$1.00	\$1.00
Exterior Stairway, Ramp, Or Fire Escape	3	\$500.00	\$0.00
Highway, Parking Lot, Street: On Or Near	3	\$500.00	\$0.00
Open Area - Outside; Included Are Farmland, Field	13	\$1,000.00	\$0.00
Other	9	\$1,000.00	\$0.00
Outside Area, Other	42	\$1,500.00	\$500.00
Vehicle Area, Other	4	\$0.00	\$0.00
Wildland, Woods	5	\$0.00	\$0.00

Most Frequent Area Of Fire Origin - Multifamily Dwellings/Structure Fires			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bathroom, Checkroom, Lavatory, Locker Room	28	\$58,600.00	\$14,010.00
Bedroom - < 5 Persons; Included Are Jail Or Prison	80	\$576,750.00	\$154,500.00
Common Room, Den, Family Room, Living Room, Lounge	24	\$290,000.00	\$105,000.00
Cooking Area, Kitchen	318	\$756,011.00	\$357,116.00
Exterior Balcony, Unenclosed Porch	18	\$868,000.00	\$259,000.00
Exterior Stairway, Ramp, Or Fire Escape	15	\$251,000.00	\$90,000.00
Function Areas, Other	17	\$30,000.00	\$11,500.00
Hallway Corridor, Mall	13	\$15,001.00	\$6,001.00
Laundry Area, Wash House (Laundry)	34	\$26,700.00	\$18,100.00
Other	17	\$401,001.00	\$10,501.00

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Area Of Fire Origin - Assembly Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bathroom, Checkroom, Lavatory, Locker Room	7	\$4,000.00	\$20.00
Cooking Area, Kitchen	41	\$182,402.00	\$181,701.00
Courtyard, Patio, Porch, Terrace	8	\$50.00	\$0.00
Engine Area, Running Gear, Wheel Area	16	\$8,041.00	\$1,001.00
Highway, Parking Lot, Street: On Or Near	19	\$10.00	\$0.00
Open Area - Outside; Included Are Farmland, Field	22	\$200.00	\$0.00
Other	9	\$10,000.00	\$12,000.00
Outside Area, Other	58	\$10,001.00	\$1.00
Roof Surface: Exterior	7	\$0.00	\$0.00
Storage Area, Other	7	\$0.00	\$4,000.00
Wildland, Woods	8	\$0.00	\$0.00

Most Frequent Area Of Fire Origin - Educational Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Bathroom, Checkroom, Lavatory, Locker Room	9	\$0.00	\$55.00
Cooking Area, Kitchen	4	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	9	\$2,500.00	\$0.00
Hallway Corridor, Mall	5	\$650.00	\$0.00
Heating Room Or Area, Water Heater Area	3	\$0.00	\$0.00
Highway, Parking Lot, Street: On Or Near	9	\$300.00	\$300.00
Laboratory	3	\$100.00	\$50.00
Other	4	\$200.00	\$0.00
Outside Area, Other	8	\$1,020.00	\$1,000.00
Wildland, Woods	3	\$0.00	\$0.00

Most Frequent Area 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	6	\$17,000.00	\$15,000.00
Closet	3	\$0.00	\$0.00
Cooking Area, Kitchen	17	\$0.00	\$500.00
Courtyard, Patio, Porch, Terrace	3	\$500.00	\$0.00
Duct: HVAC, Cable, Exhaust, Heating, Or Air Conditioning	4	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	5	\$3,000.00	\$0.00
Entrance Way, Lobby	3	\$0.00	\$0.00
Highway, Parking Lot, Street: On Or Near	5	\$0.00	\$0.00
Laundry Area, Wash House (Laundry)	8	\$1,000.00	\$1,001.00
Outside Area, Other	11	\$0.00	\$0.00

Most Frequent Area Of Fire Origin - Industrial Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Engine Area, Running Gear, Wheel Area	6	\$2,500.00	\$0.00
Equipment Or Service Area, Other	5	\$1.00	\$1.00
Highway, Parking Lot, Street: On Or Near	3	\$0.00	\$0.00
Laboratory	4	\$10,000.00	\$35,000.00
Open Area - Outside; Included Are Farmland, Field	17	\$0.00	\$0.00
Other	3	\$0.00	\$0.00
Outside Area, Other	17	\$2,000.00	\$1,000.00
Storage Area, Other	2	\$0.00	\$0.00
Vehicle Area, Other	3	\$0.00	\$0.00
Wildland, Woods	57	\$0.00	\$0.00

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Area Of Fire Origin - Manufacturing/Processing Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Chute/Container - Trash, Rubbish, Waste	2	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	5	\$0.00	\$0.00
Function Areas, Other	4	\$0.00	\$0.00
Machinery Room Or Area; Elevator Machinery Room	2	\$0.00	\$20,000.00
Open Area - Outside; Included Are Farmland, Field	4	\$0.00	\$0.00
Operator/Passenger Area Of Transportation Equipment	2	\$0.00	\$0.00
Outside Area, Other	3	\$0.00	\$0.00
Processing/Manufacturing Area, Workroom	14	\$46,000.00	\$525,500.00
Storage Area, Other	2	\$0.00	\$0.00
Storage Room, Area, Tank, Or Bin	2	\$0.00	\$0.00

Most Frequent Area Of Fire Origin - Mercantile, Business Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cooking Area, Kitchen	33	\$58,001.00	\$30,601.00
Courtyard, Patio, Porch, Terrace	13	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	74	\$458,400.00	\$372,500.00
Equipment Or Service Area, Other	9	\$0.00	\$1,100.00
Highway, Parking Lot, Street: On Or Near	72	\$6,750.00	\$21,050.00
Laundry Area, Wash House (Laundry)	31	\$18,000.00	\$7,170.00
Open Area - Outside; Included Are Farmland, Field	11	\$0.00	\$0.00
Operator/Passenger Area Of Transportation Equipment	9	\$15,500.00	\$5,500.00
Other	26	\$3,500.00	\$0.00
Outside Area, Other	78	\$30,000.00	\$25.00

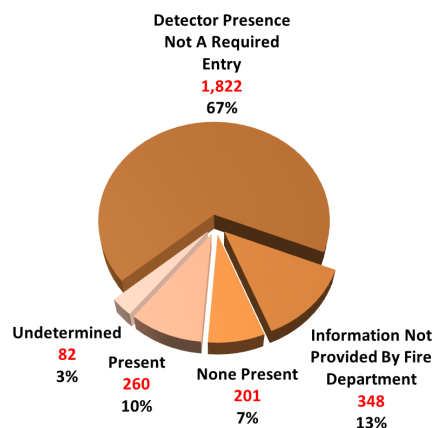
Most Frequent Area Of Fire Origin - Outside Or Special Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Cargo/Trunk Area - All Vehicles	95	\$336,907.00	\$39,052.00
Courtyard, Patio, Porch, Terrace	88	\$2,200.00	\$0.00
Engine Area, Running Gear, Wheel Area	1,243	\$3,376,339.00	\$395,408.00
Highway, Parking Lot, Street: On Or Near	574	\$156,163.00	\$5,561.00
Open Area - Outside; Included Are Farmland, Field	426	\$28,725.00	\$8,000.00
Operator/Passenger Area Of Transportation Equipment	159	\$467,953.00	\$93,102.00
Other	121	\$34,952.00	\$10,252.00
Outside Area, Other	582	\$8,424.00	\$1,044.00
Vehicle Area, Other	222	\$695,803.00	\$8,103.00
Wildland, Woods	310	\$102.00	\$101.00

Most Frequent Area Of Fire Origin - Storage Property Uses			
Area Of Fire Origin	Incidents	Property Loss	Contents Loss
Engine Area, Running Gear, Wheel Area	21	\$182,001.00	\$20,001.00
Highway, Parking Lot, Street: On Or Near	7	\$2,000.00	\$0.00
Open Area - Outside; Included Are Farmland, Field	9	\$0.00	\$0.00
Operator/Passenger Area Of Transportation Equipment	8	\$5,501.00	\$1,000.00
Other	11	\$16,000.00	\$12,000.00
Outside Area, Other	28	\$375,500.00	\$505,050.00
Roof Surface: Exterior	9	\$195,000.00	\$100,000.00
Shipping/Receiving Area; Loading Area, Dock Or Bay	7	\$0.00	\$0.00
Storage Area, Other	20	\$12,000.00	\$4,000.00
Storage: Supplies Or Tools; Dead Storage	14	\$296,000.00	\$309,500.00
Vehicle Storage Area; Garage, Carport	35	\$267,001.00	\$185,001.00
Wall Surface: Exterior	7	\$10,500.00	\$8,000.00

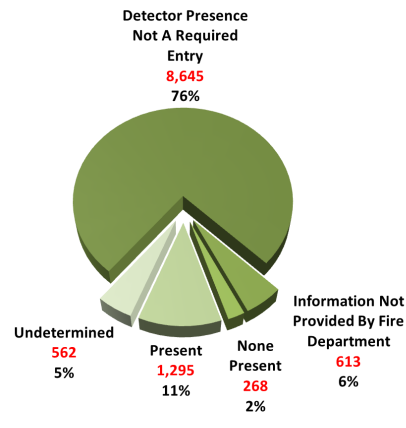
DETECTOR PRESENCE AND PERFORMANCE

Detector Presence By County	County	Detector Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
	Atlantic	637	106	21	45	36	845
Bergen	1,863	104	26	112	28	2,133	
Burlington	833	33	18	89	50	1,023	
Camden	1,048	26	28	122	30	1,254	
Cape May	301	15	15	41	18	390	
Cumberland	355	15	26	74	28	498	
Essex	2,170	39	49	135	50	2,443	
Gloucester	538	65	19	42	13	677	
Hudson	2,078	52	39	165	66	2,400	
Hunterdon	282	11	10	10	9	322	
Mercer	1,194	14	39	74	34	1,355	
Middlesex	1,645	88	36	139	46	1,954	
Monmouth	1,408	118	24	113	59	1,722	
Morris	767	41	7	39	14	868	
Ocean	781	74	21	56	35	967	
Passaic	1,289	40	30	77	52	1,488	
Salem	114	5	4	10	4	137	
Somerset	409	48	8	41	12	518	
Sussex	292	22	8	32	12	366	
Union	1,523	35	36	126	38	1,758	
Warren	246	10	5	14	10	285	
Total	19,773	961	469	1,556	644	23,403	

Detector Presence In **Non-Residential** Structure Fires



Detector Presence In **Residential** Structure Fires

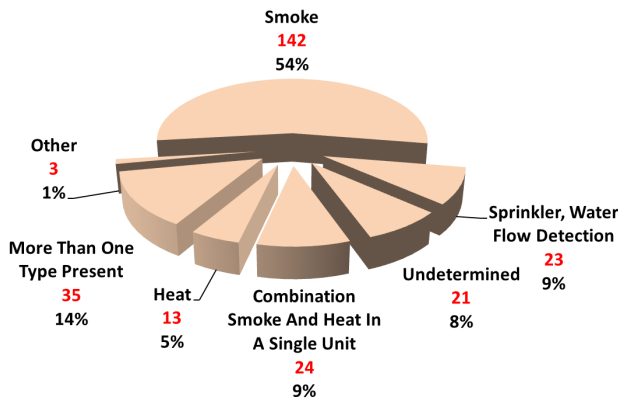


Detector Presence By Property Use Category	Property Use Category	Detector Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
	Assembly	666	40	14	62	13	795
Educational	287	8	4	28	1	328	
Health Care, Detention And Correction	370	17	2	36	2	427	
Industrial, Utility, Defense, Agriculture, Mining	179	8	7	3	3	200	
Information Not Provided By Fire Department	2	1				3	
Manufacturing, Processing	65	10	8	17	5	105	
Mercantile, Business	967	68	34	87	33	1,189	
None	117	4	3	3		127	
Other	95	29	5		1	130	
Outside Or Special Property	6,211	124	17	1	4	6,357	
Residential	10,483	613	268	1,295	562	13,221	
Storage	229	27	105	16	19	396	
Undetermined	102	12	2	8	1	125	
Total	19,773	961	469	1,556	644	23,403	

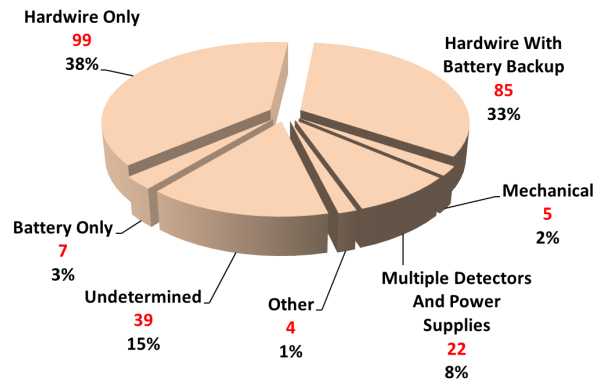
DETECTOR PRESENCE AND PERFORMANCE

Non-Residential Property Uses			
Detector Presence Not A Required Entry	Incidents	Property Loss	Contents Loss
Detector Presence Not A Required Entry	9,290	\$7,798,794.00	\$1,854,838.00
Information Not Provided By Fire Department	348	\$210,751.00	\$46,924.00
None Present	201	\$2,330,001.00	\$1,739,971.00
Present	261	\$2,876,051.00	\$2,125,361.00
Undetermined	82	\$429,701.00	\$95,651.00
Total	10,182	\$13,645,298.00	\$5,862,745.00

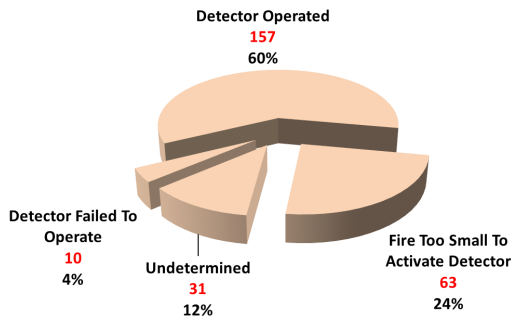
Detector Type In Non-Residential Property Uses



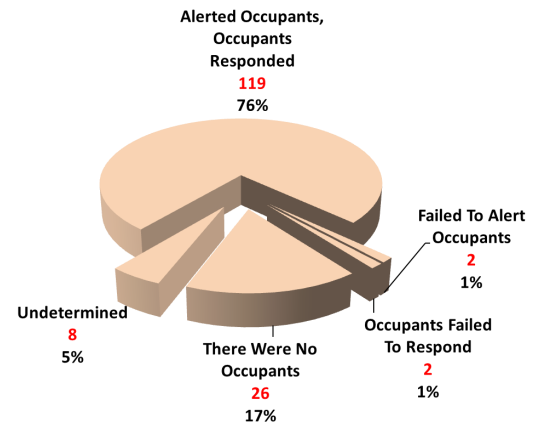
Detector Power Supply In Non-Residential Property Uses



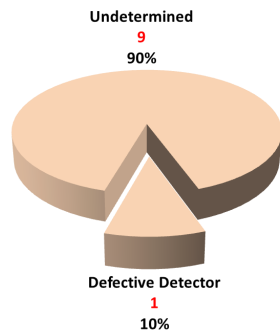
Detector Operation In Non-Residential Property Uses



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	Total
Detector Presence Not A Required Entry	10,483	\$631,243.00	\$292,678.00	\$923,921.00
Information Not Provided By Fire Department	613	\$328,514.00	\$103,615.00	\$432,129.00
None Present	268	\$3,336,980.00	\$618,550.00	\$3,955,530.00
Present	1,295	\$16,072,540.00	\$5,661,210.00	\$21,733,750.00
Undetermined	562	\$7,034,754.00	\$2,416,813.00	\$9,451,567.00
Total	13,221	\$27,404,031.00	\$9,092,866.00	\$36,496,897.00



Picture courtesy of Bill Tompkins:
Carlstadt, New Jersey; May 1, 2013



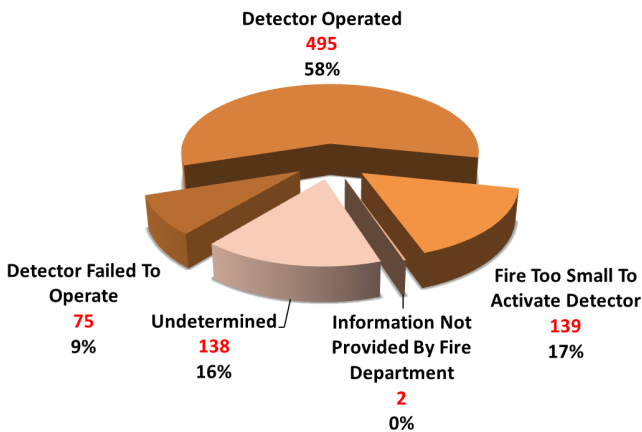
Picture courtesy of Ron Jeffers:
Jersey City, New Jersey; November 27, 2013

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	5,428	413	203	849	449	7,342
Barracks, Dormitory	39					39
Boarding/Rooming House, Residential Hotels	105	6		9		120
Dormitory-Type Residence, Other	120	6		5		131
Hotel/Motel, Commercial	195	14	4	14	4	231
Multifamily Dwelling	4,131	100	54	374	88	4,747
Residential Board And Care	94	1		3		98
Residential, Other	362	73	7	41	21	504
Sorority House, Fraternity House	9					9
Total	10,483	613	268	1,295	562	13,221

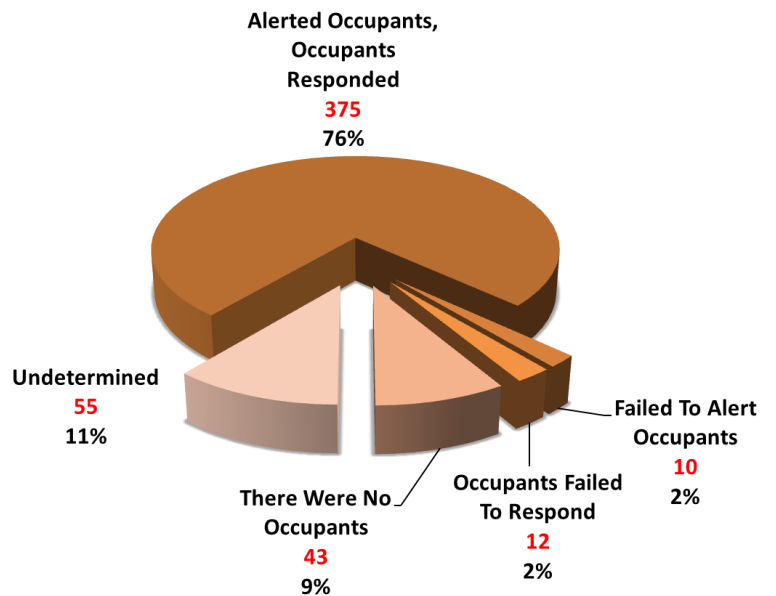
DETECTOR PRESENCE AND PERFORMANCE

1 Or 2 Family Dwellings				
Detector Presence	Incidents	Property Loss	Contents Loss	Total
Detector Presence Not A Required Entry	5,428	\$495,369.00	\$183,598.00	\$678,967.00
Information Not Provided By Fire Department	413	\$284,963.00	\$92,913.00	\$377,876.00
None Present	203	\$2,497,880.00	\$487,950.00	\$2,985,830.00
Present	849	\$12,964,803.00	\$4,620,994.00	\$17,585,797.00
Undetermined	449	\$6,034,703.00	\$2,101,462.00	\$8,136,165.00
Total	7,342	\$22,277,718.00	\$7,486,917.00	\$29,764,635.00

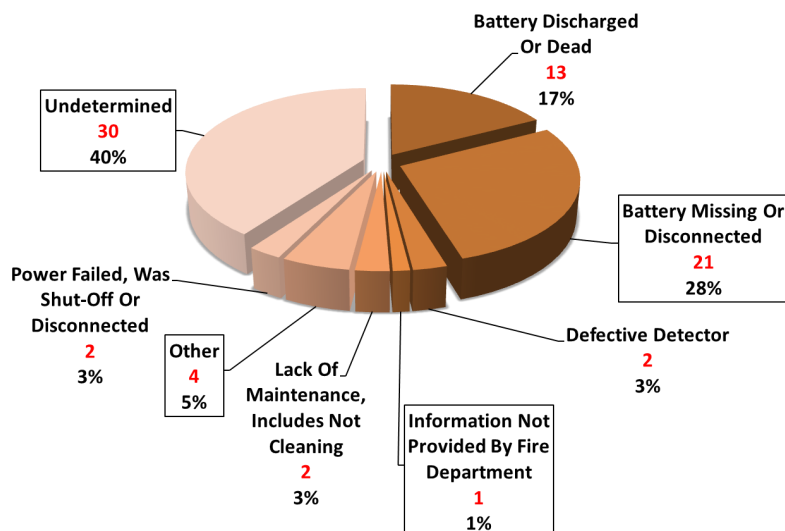
Detector Operation In 1 Or 2 Family Dwellings



Detector Effectiveness In 1 Or 2 Family Dwellings



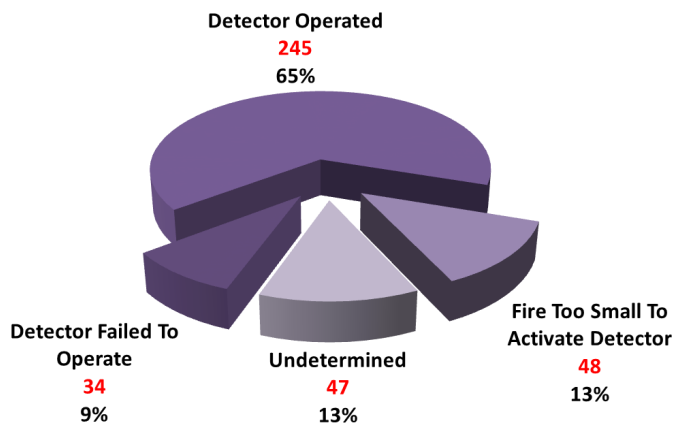
Detector Failure Reason In 1 Or 2 Family Dwellings



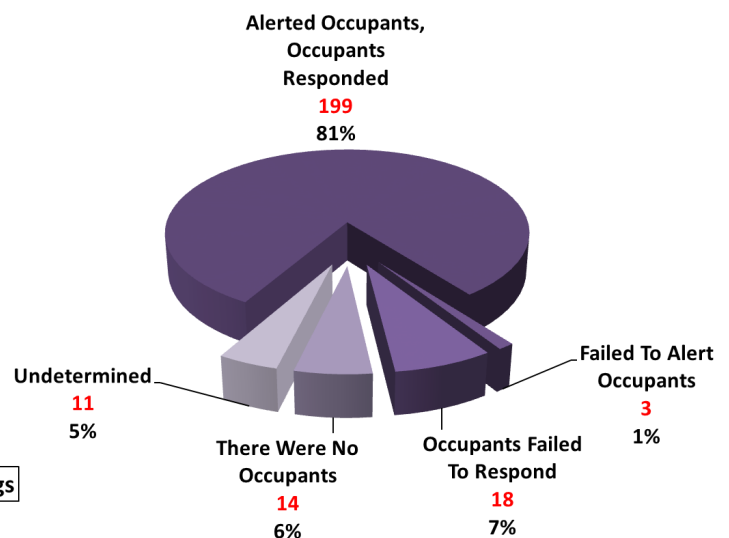
DETECTOR PRESENCE AND PERFORMANCE

Multifamily Dwellings				
Detector Presence	Incidents	Property Loss	Contents Loss	Total
Detector Presence Not A Required Entry	4,131	\$91,842.00	\$55,331.00	\$147,173.00
Information Not Provided By Fire Department	100	\$34,450.00	\$6,550.00	\$41,000.00
None Present	54	\$837,100.00	\$128,100.00	\$965,200.00
Present	374	\$2,891,531.00	\$1,005,066.00	\$3,896,597.00
Undetermined	88	\$1,000,051.00	\$314,351.00	\$1,314,402.00
Total	4,747	\$4,854,974.00	\$1,509,398.00	\$6,364,372.00

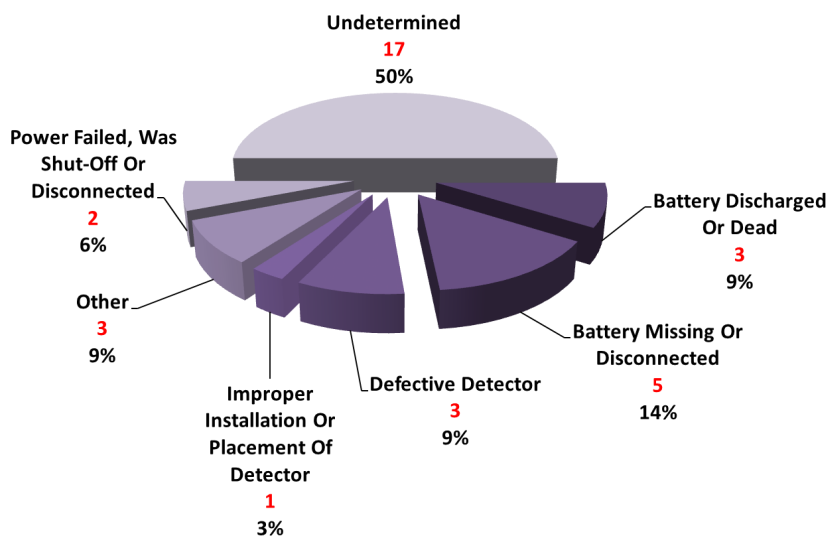
Detector Operation In Multifamily Dwellings



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	637	106	89		6	7	845
Bergen	1,863	105	135	1	22	7	2,133
Burlington	833	36	115		16	23	1,023
Camden	1,048	29	150	2	16	9	1,254
Cape May	301	15	61	1	6	6	390
Cumberland	355	15	113		5	10	498
Essex	2,170	40	204	1	21	7	2,443
Gloucester	538	66	62	2	3	6	677
Hudson	2,078	52	191	4	27	48	2,400
Hunterdon	282	11	27		1	1	322
Mercer	1,194	16	129	3	3	10	1,355
Middlesex	1,645	91	184	2	27	5	1,954
Monmouth	1,408	118	147		21	28	1,722
Morris	767	43	47		4	7	868
Ocean	781	75	96		6	9	967
Passaic	1,289	41	124	1	17	16	1,488
Salem	114	5	17		1		137
Somerset	409	48	51		4	6	518
Sussex	292	22	50			2	366
Union	1,523	37	169	2	19	8	1,758
Warren	246	10	25		1	3	285
Total	19,773	981	2,186	19	226	218	23,403

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	666	40	37	7	29	16	795	
Educational	287	9	20		9	3	328	
Health Care, Detention And Correction	370	18	14	2	20	3	427	
Industrial, Utility, Defense, Agriculture, Mining	179	8	7		4	2	200	
Information Not Provided By Fire Department	2	1					3	
Manufacturing, Processing	65	11	6	1	19	3	105	
Mercantile, Business	967	68	91	5	39	19	1,189	
None	117	4	6				127	
Other	95	29	6				130	
Outside Or Special Property	6,211	124	20		1	1	6,357	
Residential	10,483	630	1,857	4	87	160	13,221	
Storage	229	27	115		16	9	396	
Undetermined	102	12	7		2	2	125	
Total	19,773	981	2,186	19	226	218	23,403	

Type Of Automatic Extinguishment Systems Present By Property Use Category									
Property Use Category	Carbon Dioxide System	Dry Chemical System	Dry-Pipe Sprinkler System	Information Not Provided By Fire Department	Other Sprinkler Systems	Special Hazard System, Other	Undetermined	Wet-Pipe Sprinkler System	Total
Assembly	1	8	3	5	3	1	3	12	36
Educational			1	2			1	5	9
Health Care, Detention And Correction			1	9				12	22
Industrial, Utility, Defense, Agriculture, Mining				1				3	4
Manufacturing, Processing	2		2	2				14	20
Mercantile, Business			2	13	1	3	1	24	44
Outside Or Special Property								1	1
Residential		1	3	21	1	11	6	48	91
Storage				1	1	1	2	11	16
Undetermined						2			2
Total	3	9	12	54	6	18	13	130	245

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	38	\$6,350,000.00	\$89,200.00	\$3,027,000.00	\$26,050.00	\$9,261,750.00
	Information Not Provided By Fire Department	50	\$5,709,000.00	\$92,000.00	\$1,102,120.00	\$19,720.00	\$6,699,400.00
	Other	4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	System Did Not Operate	16	\$23,200,000.00	\$177,000.00	\$19,000,000.00	\$638,200.00	\$41,384,800.00
	System Operated And Was Effective	38	\$18,025,000.00	\$600,000.00	\$3,575,000.00	\$797,000.00	\$20,203,000.00
	System Operated And Was Not Effective	3	\$5,597,300.00	\$105,000.00	\$3,150,000.00	\$40,000.00	\$8,602,300.00
	Undetermined	5	\$0.00	\$2,500.00	\$0.00	\$0.00	Unknown
	Total	154	\$58,881,300.00	\$1,065,700.00	\$29,854,120.00	\$1,520,970.00	\$86,148,750.00

Non-Residential	Automatic Extinguishment Failure Reason	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
	Agent Discharged, But Did Not Reach The Fire	2	\$597,300.00	\$55,000.00	\$150,000.00	\$25,000.00	\$667,300.00
	Fire Not In Area Protected By The System	13	\$13,200,000.00	\$185,000.00	\$6,000,000.00	\$60,200.00	\$18,954,800.00
	Information Not Provided By Fire Department	1	\$5,000,000.00	\$50,000.00	\$3,000,000.00	\$15,000.00	\$7,935,000.00
	Manual Intervention Defeated The System	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Other	4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	System Shut Off	2	\$0.00	\$1,000.00	\$0.00	\$0.00	Unknown
	Undetermined	5	\$12,000,000.00	\$11,000.00	\$14,000,000.00	\$578,000.00	\$25,411,000.00
	Total	28	\$30,797,300.00	\$302,000.00	\$23,150,000.00	\$678,200.00	\$52,967,100.00

Non-Residential	Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
	1	23	\$11,000,000.00	\$120,000.00	\$5,500,000.00	\$141,000.00	\$16,239,000.00
	2	8	\$10,622,300.00	\$130,000.00	\$225,000.00	\$75,000.00	\$10,642,300.00
	3	4	\$0.00	\$100,000.00	\$0.00	\$100,000.00	Unknown
	4	2	\$0.00	\$5,000.00	\$0.00	\$1,000.00	Unknown
	5	2	\$2,000,000.00	\$350,000.00	\$1,000,000.00	\$520,000.00	\$2,130,000.00
	6	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	7	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Total	42	\$23,622,300.00	\$705,000.00	\$6,725,000.00	\$837,000.00	\$28,805,300.00



Picture courtesy of Chris Tompkins:
Landisville, New Jersey; March 27, 2013

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	22	\$350,500.00	\$29,500.00	\$31,205.00	\$6,005.00	\$346,200.00
	Information Not Provided By Fire Department	29	\$2,395,000.00	\$25,730.00	\$650,030.00	\$14,580.00	\$3,004,720.00
	Other	10	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	System Did Not Operate	4	\$0.00	\$10,000.00	\$0.00	\$10,000.00	Unknown
	System Operated And Was Effective	24	\$1,700,000.00	\$144,000.00	\$115,000.00	\$71,500.00	\$1,599,500.00
	Undetermined	2	\$0.00	\$11,500.00	\$0.00	\$500.00	Unknown
	Total	91	\$4,445,500.00	\$220,730.00	\$796,235.00	\$102,585.00	\$4,918,420.00

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	3	\$0.00	\$10,000.00	\$0.00	\$10,000.00	Unknown
	Other	11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Undetermined	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Total	15	\$0.00	\$10,000.00	\$0.00	\$10,000.00	Unknown

Residential	Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
	1	23	\$200,000.00	\$44,000.00	\$40,000.00	\$21,500.00	\$174,500.00
	2	1	\$1,500,000.00	\$100,000.00	\$75,000.00	\$50,000.00	\$1,425,000.00
	Total	24	\$1,700,000.00	\$144,000.00	\$115,000.00	\$71,500.00	\$1,599,500.00



Picture courtesy of Bill Tompkins:
Carlstadt, New Jersey; May 1, 2013

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

1 Or 2 Family Dwellings						
Automatic Extinguishment System Presence	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
AES Presence Not A Required Entry	5,428	\$22,805,647.00	\$495,369.00	\$2,996,801.00	\$183,598.00	\$25,123,481.00
Information Not Provided By Fire Department	424	\$479,000.00	\$285,963.00	\$163,100.00	\$93,413.00	\$262,724.00
None Present	1,352	\$38,660,702.00	\$20,052,486.00	\$8,099,157.00	\$6,792,206.00	\$19,915,167.00
Partial System Present	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Present	22	\$2,595,000.00	\$142,200.00	\$265,000.00	\$74,500.00	\$2,643,300.00
Undetermined	115	\$2,853,700.00	\$1,301,700.00	\$516,000.00	\$343,200.00	\$1,724,800.00
Total	7,342	\$67,394,049.00	\$22,277,718.00	\$12,040,058.00	\$7,486,917.00	\$49,669,472.00

Multifamily Dwellings						
Automatic Extinguishment System Presence	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
AES Presence Not A Required Entry	4,131	\$15,426,256.00	\$91,842.00	\$2,889,108.00	\$55,331.00	\$18,168,191.00
Information Not Provided By Fire Department	103	\$705,400.00	\$35,450.00	\$280,000.00	\$7,050.00	\$942,900.00
None Present	429	\$7,907,501.00	\$4,657,052.00	\$921,001.00	\$1,422,252.00	\$2,749,198.00
Partial System Present	3	\$0.00	\$10,000.00	\$0.00	\$10,000.00	Unknown
Present	46	\$350,500.00	\$60,530.00	\$30,605.00	\$14,655.00	\$305,920.00
Undetermined	35	\$500,100.00	\$100.00	\$200,010.00	\$110.00	\$699,900.00
Total	4,747	\$24,889,757.00	\$4,854,974.00	\$4,320,724.00	\$1,509,398.00	\$22,846,109.00



Picture courtesy of Jackie Pellek:
Byram, New Jersey; August 3, 2013

1 Or 2 Family Dwellings						
Automatic Extinguishment System Type	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Dry Chemical System	1	\$250,000.00	\$0.00	\$75,000.00	\$3,000.00	\$322,000.00
Information Not Provided By Fire Department	10	\$645,000.00	\$23,200.00	\$75,000.00	\$10,500.00	\$686,300.00
Special Hazard System, Other	6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Undetermined	10	\$10,000.00	\$11,000.00	\$5,000.00	\$6,000.00	Unknown
Wet-Pipe Sprinkler System	5	\$1,700,000.00	\$119,000.00	\$115,000.00	\$61,000.00	\$1,635,000.00
Total	32	\$2,605,000.00	\$153,200.00	\$270,000.00	\$80,500.00	\$2,641,300.00

Multifamily Dwellings						
Automatic Extinguishment System Type	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Dry-Pipe Sprinkler System	2	\$500.00	\$500.00	\$0.00	\$0.00	\$0.00
Information Not Provided By Fire Department	8	\$0.00	\$30.00	\$0.00	\$0.00	Unknown
Other Sprinkler Systems	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Special Hazard System, Other	4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Undetermined	7	\$0.00	\$11,500.00	\$0.00	\$500.00	Unknown
Wet-Pipe Sprinkler System	31	\$350,000.00	\$58,500.00	\$30,605.00	\$24,155.00	\$297,950.00
Total	53	\$350,500.00	\$70,530.00	\$30,605.00	\$24,655.00	\$285,920.00

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
Information Not Provided By Fire Department	12	\$895,000.00	\$23,200.00	\$150,000.00	\$13,500.00	\$1,008,300.00
Other	6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
System Operated And Was Effective	5	\$1,700,000.00	\$119,000.00	\$115,000.00	\$61,000.00	\$1,635,000.00
Undetermined	8	\$10,000.00	\$11,000.00	\$5,000.00	\$6,000.00	Unknown
Total	31	\$2,605,000.00	\$153,200.00	\$270,000.00	\$80,500.00	\$2,641,300.00

Multifamily Dwellings						
Automatic Extinguishment System Operation	Incidents	Property Value	Property Loss	Contents Value	Contents Loss	Total Saved
Fire Too Small To Activate The System	15	\$350,500.00	\$27,500.00	\$30,605.00	\$5,605.00	\$348,000.00
Information Not Provided By Fire Department	13	\$0.00	\$1,530.00	\$0.00	\$50.00	Unknown
Other	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
System Did Not Operate	4	\$0.00	\$10,000.00	\$0.00	\$10,000.00	Unknown
System Operated And Was Effective	14	\$0.00	\$20,000.00	\$0.00	\$8,500.00	Unknown
Undetermined	5	\$0.00	\$11,500.00	\$0.00	\$500.00	Unknown
Total	52	\$350,500.00	\$70,530.00	\$30,605.00	\$24,655.00	\$285,920.00



Picture courtesy of Chris Tompkins:
Paterson, New Jersey; January 18, 2013

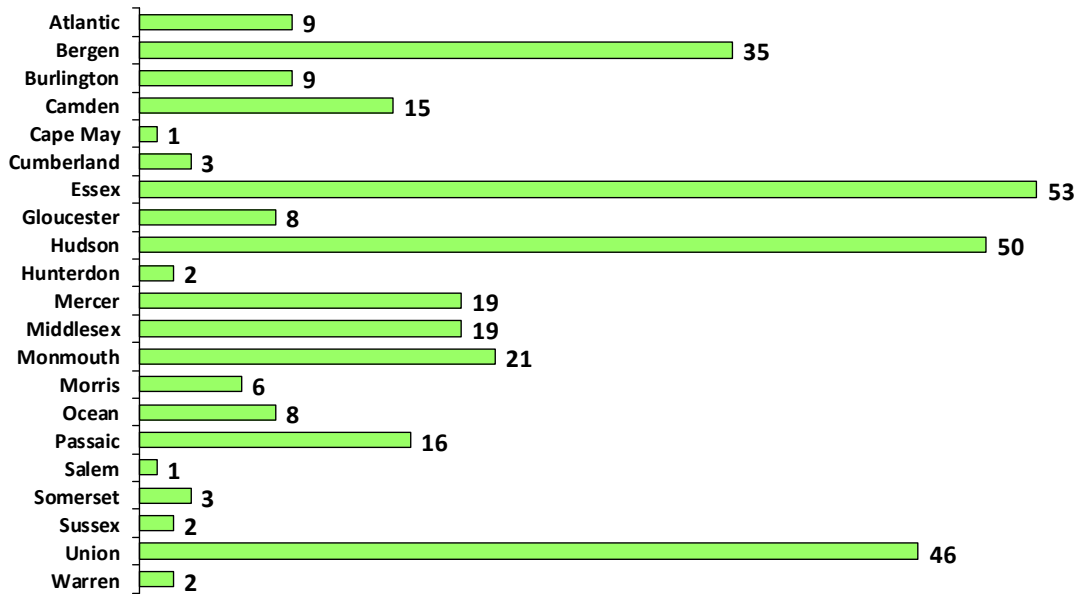


Picture courtesy of Chris Tompkins:
Pleasantville, New Jersey; January 25, 2013

Multifamily Dwellings					
Automatic Extinguishment System Failure Reason	Incidents	Property Value	Property Loss	Contents Value	Contents Loss
Fire Not In Area Protected By The System	3	\$0.00	\$10,000.00	\$0.00	\$10,000.00
Other	3	\$0.00	\$0.00	\$0.00	\$0.00
Undetermined	1	\$0.00	\$0.00	\$0.00	\$0.00
Total	7	\$0.00	\$10,000.00	\$0.00	\$10,000.00

SCHOOL FIRES

School Fires By County



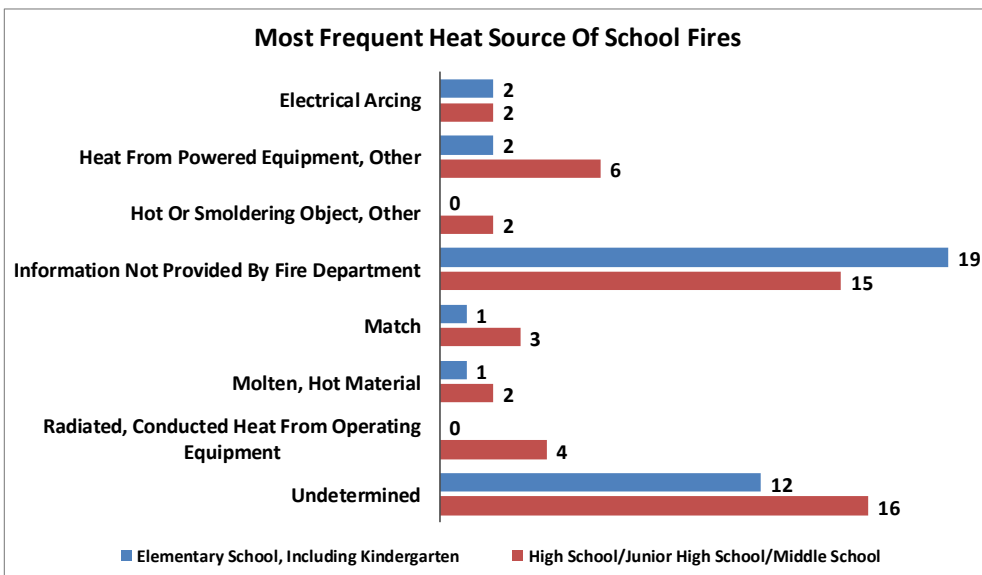
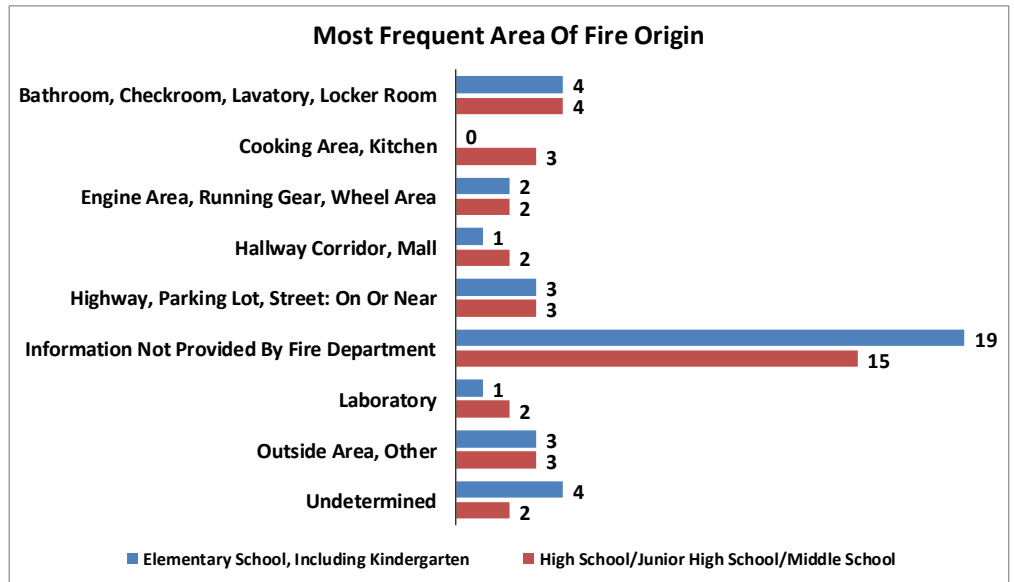
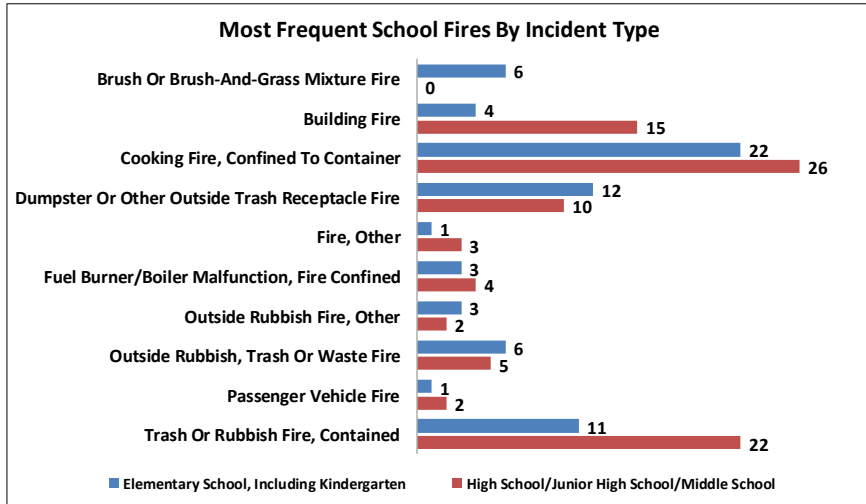
School Fires By Specific Property Use

Property Use	Incidents	Property Loss	Contents Loss
Adult Education Center, College Classroom	49	\$2,650.00	\$0.00
Day Care In Residence, Unlicensed	1	\$0.00	\$0.00
Day Care, In Commercial Property	41	\$5,050.00	\$0.00
Day Care, In Residence, Licensed	7	\$0.00	\$0.00
Educational, Other	18	\$0.00	\$0.00
Elementary School, Including Kindergarten	76	\$5,920.00	\$4,605.00
High School/Junior High School/Middle School	98	\$1,218,200.00	\$141,302.00
Preschool	24	\$0.00	\$50.00
Schools, Non-Adult, Other	14	\$0.00	\$0.00
Total	328	\$1,231,820.00	\$145,957.00



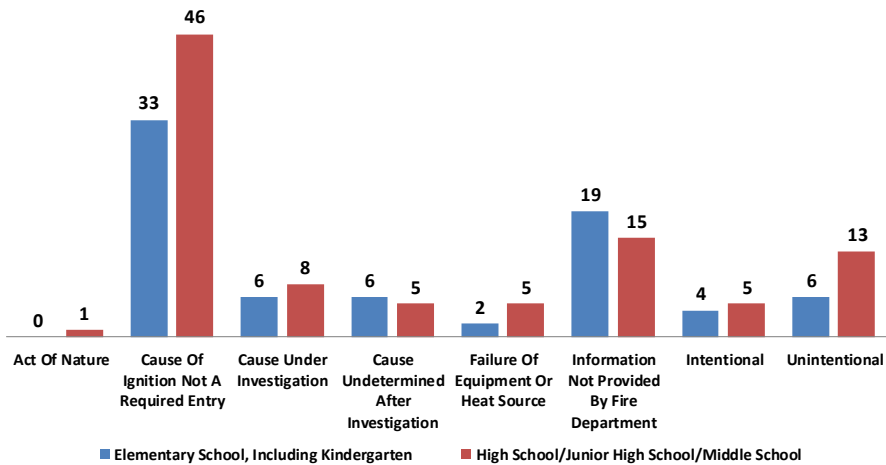
Picture courtesy of Bill Tompkins:
Nutley, New Jersey; February 17, 2013

SCHOOL FIRES

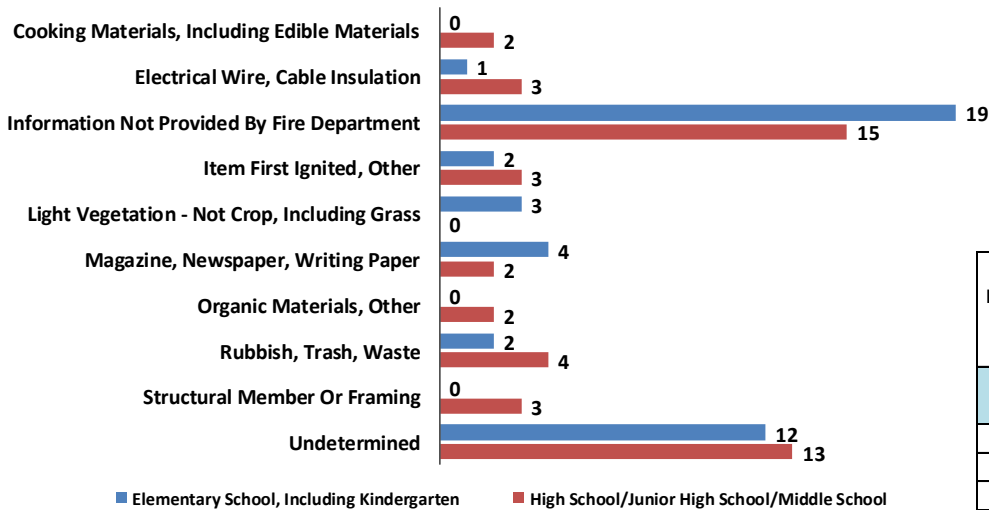


SCHOOL FIRES

Cause Of Ignition



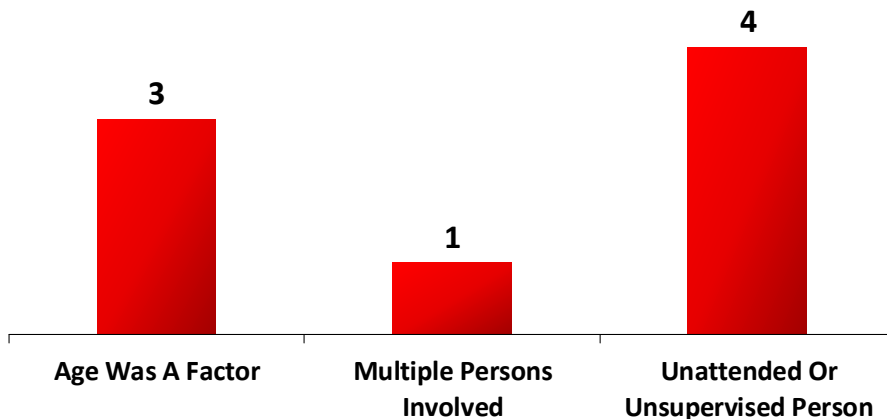
Most Frequent Item First Ignited



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	MALE	UNKNOWN	TOTAL
7	2		2
10	2		2
11	1		1
12	4		4
12-13	2		2
15	1		1
17	1		1
18	1		1
UNKNOWN	3	22	25
TOTAL	17	22	39

Human Factors Contributing To The Ignition Of School Fires



Data Collected From The NFIRS System As Submitted By Fire Departments

Age As Factor Contributing To Ignition			
Age	Female	Male	Total
10		1	1
11		1	1
15	1		1
16	1		1
Total	2	2	4

SCHOOL FIRES

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	45	1		3		49
Day Care In Residence, Unlicensed	1					1
Day Care, In Commercial Property	38			3		41
Day Care, In Residence, Licensed	7					7
Educational, Other	14	1	1	2		18
Elementary School, Including Kindergarten	70	2		4		76
High School/Junior High School/Middle School	77	3	3	15		98
Preschool	23				1	24
Schools, Non-Adult, Other	12	1		1		14
Total	287	8	4	28	1	328

Detector Operation				
Educational Property Use	Detector Operated	Fire Too Small To Activate Detector	Undetermined	Total
Adult Education Center, College Classroom	1	1	1	3
Day Care, In Commercial Property	3			3
Educational, Other	2			2
Elementary School, Including Kindergarten	3	1		4
High School/Junior High School/Middle School	11	2	2	15
Schools, Non-Adult, Other	1			1
Total	21	4	3	28

Detector Effectiveness				
Educational Property Use	Alerted Occupants, Occupants Responded	Failed To Alert Occupants	There Were No Occupants	Total
Adult Education Center, College Classroom	1	1		2
Day Care, In Commercial Property	3			3
Educational, Other	2			2
Elementary School, Including Kindergarten	3			3
High School/Junior High School/Middle School	8		3	11
Schools, Non-Adult, Other	1			1
Total	18	1	3	22

Automatic Extinguishment System Presence					
Educational Property Use	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
Adult Education Center, College Classroom	1		2	1	4
Day Care, In Commercial Property		1	1	1	3
Educational, Other	1	2	1		4
Elementary School, Including Kindergarten	2	3	1		6
High School/Junior High School/Middle School	4	13	3	1	21
Preschool		1			1
Schools, Non-Adult, Other	1		1		2
Total	9	20	9	3	41

Automatic Extinguishment System Operation					
Educational Property Use	Fire Too Small To Activate The System	Information Not Provided By Fire Department	System Operated And Was Effective	Undetermined	Total
Adult Education Center, College Classroom	1	1			2
Day Care, In Commercial Property				1	1
Educational, Other		1			1
Elementary School, Including Kindergarten			1		1
High School/Junior High School/Middle School	2		1		3
Schools, Non-Adult, Other		1			1
Total	3	3	2	1	9

OTHER PROPERTY USE FIRES

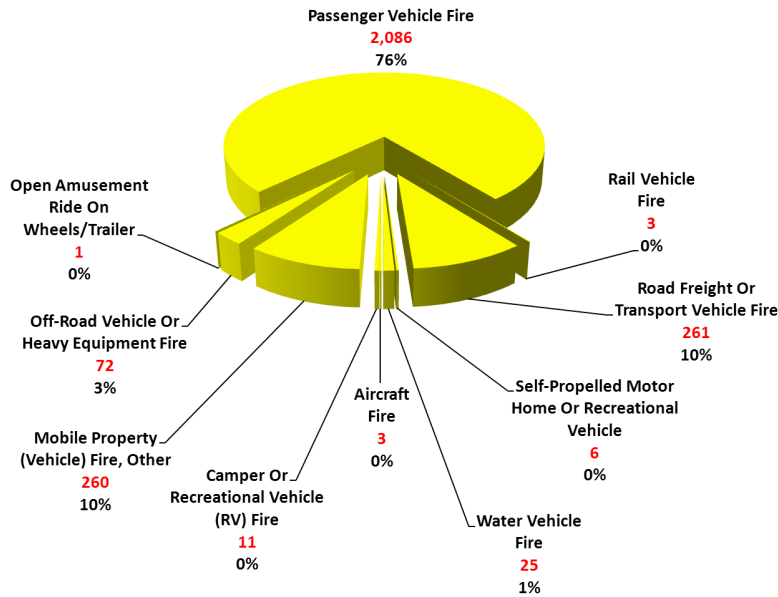
Most Frequent Nursing Home Fire Incident Types			
Incident Type	Incidents	Property Loss	Contents Loss
Brush Or Brush-And-Grass Mixture Fire	3	\$0.00	\$0.00
Building Fire	11	\$18,000.00	\$15,000.00
Cooking Fire, Confined To Container	121	\$0.00	\$1,010.00
Fire, Other	6	\$0.00	\$200.00
Fuel Burner/Boiler Malfunction, Fire Confined	3	\$0.00	\$0.00
Mulch Fire	3	\$500.00	\$0.00
Passenger Vehicle Fire	4	\$12,500.00	\$0.00
Special Outside Fire, Other	2	\$0.00	\$0.00

Most Frequent Restaurant Fire Incident Types			
Incident Type	Incidents	Property Loss	Contents Loss
Brush Or Brush-And-Grass Mixture Fire	9	\$0.00	\$0.00
Building Fire	43	\$1,246,401.00	\$1,038,001.00
Cooking Fire, Confined To Container	143	\$1,251.00	\$1,521.00
Dumpster Or Other Outside Trash Receptacle Fire	14	\$0.00	\$0.00
Fire, Other	8	\$0.00	\$0.00
Mulch Fire	11	\$0.00	\$0.00
Outside Rubbish, Trash Or Waste Fire	7	\$0.00	\$0.00
Passenger Vehicle Fire	4	\$31,500.00	\$10,000.00
Trash Or Rubbish Fire, Contained	6	\$0.00	\$0.00

Most Frequent Food And Beverage Sales/Grocery Store Fire Incident Types			
Incident Type	Incidents	Property Loss	Contents Loss
Brush Or Brush-And-Grass Mixture Fire	12	\$1,000.00	\$1,000.00
Building Fire	14	\$36,200.00	\$19,400.00
Cooking Fire, Confined To Container	109	\$1.00	\$6,601.00
Dumpster Or Other Outside Trash Receptacle Fire	9	\$500.00	\$100.00
Fire, Other	8	\$0.00	\$0.00
Fuel Burner/Boiler Malfunction, Fire Confined	6	\$0.00	\$0.00
Mulch Fire	9	\$0.00	\$0.00
Outside Rubbish, Trash Or Waste Fire	17	\$0.00	\$0.00
Passenger Vehicle Fire	5	\$101,000.00	\$1,000.00
Trash Or Rubbish Fire, Contained	9	\$0.00	\$0.00

Most Frequent Business Office Fire Incident Types			
Incident Type	Incidents	Property Loss	Contents Loss
Brush Or Brush-And-Grass Mixture Fire	13	\$0.00	\$25.00
Building Fire	20	\$290,600.00	\$208,350.00
Cooking Fire, Confined To Container	63	\$0.00	\$10.00
Dumpster Or Other Outside Trash Receptacle Fire	7	\$4,500.00	\$500.00
Fire, Other	6	\$100,000.00	\$0.00
Fuel Burner/Boiler Malfunction, Fire Confined	4	\$0.00	\$0.00
Mulch Fire	10	\$0.00	\$0.00
Outside Rubbish, Trash Or Waste Fire	16	\$0.00	\$0.00
Passenger Vehicle Fire	6	\$0.00	\$1,000.00
Trash Or Rubbish Fire, Contained	10	\$0.00	\$0.00

VEHICLE FIRES



Picture courtesy of Chris Tompkins:
Somers Point, New Jersey; February 26, 2013



Picture courtesy of Ron Jeffers:
Weehawken, New Jersey; February 18, 2013

Passenger Vehicle Fires	County	Incidents	Property Loss	Contents Loss
	Atlantic	85	\$293,000.00	\$36,300.00
	Bergen	157	\$364,580.00	\$22,500.00
	Burlington	112	\$395,651.00	\$34,031.00
	Camden	137	\$312,900.00	\$16,500.00
	Cape May	31	\$39,100.00	\$3,300.00
	Cumberland	64	\$252,025.00	\$9,370.00
	Essex	216	\$127,504.00	\$14,800.00
	Gloucester	80	\$59,005.00	\$14,000.00
	Hudson	136	\$56,404.00	\$7,304.00
	Hunterdon	46	\$45,000.00	\$500.00
	Mercer	102	\$321,500.00	\$154,250.00
	Middlesex	179	\$394,822.00	\$107,158.00
	Monmouth	147	\$213,000.00	\$4,400.00
	Morris	82	\$128,501.00	\$63,601.00
	Ocean	70	\$133,502.00	\$2,502.00
	Passaic	129	\$450,960.00	\$27,170.00
Salem	15	\$23,000.00	\$3,000.00	
Somerset	49	\$13,801.00	\$20,701.00	
Sussex	34	\$55,000.00	\$2,500.00	
Union	182	\$457,050.00	\$14,850.00	
Warren	33	\$39,000.00	\$500.00	
Total	2,086	\$4,175,305.00	\$559,237.00	

All Other Vehicle Fires	County	Incidents	Property Loss	Contents Loss
	Atlantic	21	\$18,040.00	\$1,000.00
	Bergen	50	\$157,000.00	\$52,500.00
	Burlington	22	\$147,800.00	\$8,800.00
	Camden	28	\$71,000.00	\$13,500.00
	Cape May	18	\$31,500.00	\$3,500.00
	Cumberland	15	\$318,500.00	\$4,000.00
	Essex	67	\$540,750.00	\$44,050.00
	Gloucester	18	\$64,000.00	\$25,500.00
	Hudson	54	\$205,004.00	\$51,204.00
	Hunterdon	21	\$173,500.00	\$157,000.00
	Mercer	27	\$746,000.00	\$0.00
	Middlesex	67	\$267,004.00	\$11,003.00
	Monmouth	46	\$5,700.00	\$200.00
	Morris	36	\$101,001.00	\$6,651.00
	Ocean	30	\$45,500.00	\$0.00
	Passaic	20	\$41,850.00	\$30,000.00
Salem	7	\$160,000.00	\$20,000.00	
Somerset	23	\$7,000.00	\$0.00	
Sussex	12	\$0.00	\$0.00	
Union	41	\$329,805.00	\$13,000.00	
Warren	19	\$251,500.00	\$16,500.00	
Total	642	\$3,682,454.00	\$458,408.00	

VEHICLE FIRES

Passenger Vehicle Fires	Cause Of Ignition	Incidents	Property Loss	Contents Loss
	Act Of Nature	11	\$0.00	\$0.00
	Cause Under Investigation	389	\$910,454.00	\$63,323.00
	Cause Undetermined After Investigation	514	\$935,256.00	\$178,920.00
	Failure Of Equipment Or Heat Source	398	\$784,574.00	\$84,803.00
	Information Not Provided By Fire Department	25	\$5,000.00	\$200.00
	Intentional	25	\$71,000.00	\$1,700.00
	Unintentional	724	\$1,469,021.00	\$230,291.00
	Total	2,086	\$4,175,305.00	\$559,237.00

All Other Vehicle Fires	Cause Of Ignition	Incidents	Property Loss	Contents Loss
	Act Of Nature	3	\$0.00	\$0.00
	Cause Under Investigation	98	\$361,503.00	\$20,502.00
	Cause Undetermined After Investigation	161	\$724,002.00	\$152,152.00
	Failure Of Equipment Or Heat Source	161	\$745,156.00	\$215,401.00
	Information Not Provided By Fire Department	12	\$16,500.00	\$16,500.00
	Intentional	6	\$80,000.00	\$25,000.00
	Unintentional	201	\$1,755,293.00	\$28,853.00
	Total	642	\$3,682,454.00	\$458,408.00



Picture courtesy of Chris Tompkins:
Somers Point, New Jersey; February 26, 2013



Picture courtesy of Chris Tompkins:
Somers Point, New Jersey; February 26, 2013

Passenger Vehicles	Most Frequent Area Of Fire Origin	Incidents	Property Loss	Contents Loss
	Cargo/Trunk Area - All Vehicles	61	\$118,601.00	\$6,351.00
	Engine Area, Running Gear, Wheel Area	1,178	\$2,340,939.00	\$325,558.00
	Exterior, Exposed Surface	24	\$86,750.00	\$6,500.00
	Highway, Parking Lot, Street: On Or Near	33	\$149,001.00	\$21,551.00
	Information Not Provided By Fire Department	25	\$5,000.00	\$200.00
	Operator/Passenger Area Of Transportation Equipment	153	\$390,303.00	\$48,602.00
	Other	58	\$59,301.00	\$10,701.00
	Outside Area, Other	21	\$15,305.00	\$0.00
	Undetermined	329	\$798,102.00	\$131,771.00
Vehicle Area, Other	168	\$141,803.00	\$3,603.00	

All Other Vehicles	Most Frequent Area Of Fire Origin	Incidents	Property Loss	Contents Loss
	Cargo/Trunk Area - All Vehicles	45	\$218,306.00	\$32,701.00
	Engine Area, Running Gear, Wheel Area	268	\$1,667,942.00	\$258,202.00
	Exterior, Exposed Surface	24	\$5,200.00	\$0.00
	Highway, Parking Lot, Street: On Or Near	15	\$5,000.00	\$3,000.00
	Information Not Provided By Fire Department	11	\$16,500.00	\$16,500.00
	Operator/Passenger Area Of Transportation Equipment	36	\$157,501.00	\$67,500.00
	Other	22	\$8,500.00	\$1,000.00
	Outside Area, Other	16	\$5,500.00	\$0.00
	Undetermined	108	\$339,003.00	\$10,503.00
Vehicle Area, Other	65	\$575,701.00	\$30,201.00	



Picture courtesy of Bill Tompkins:
Paramus, New Jersey; December 6, 2013



Picture courtesy of Bill Tompkins:
Paramus, New Jersey; December 6, 2013

Passenger Vehicles	Most Frequent Heat Source	Incidents	Property Loss	Contents Loss
	Electrical Arcing	127	\$110,403.00	\$12,253.00
	Heat From Powered Equipment, Other	178	\$472,604.00	\$36,002.00
	Heat Source: Other	82	\$188,006.00	\$17,751.00
	Heat, Spark From Friction	39	\$22,200.00	\$800.00
	Hot Or Smoldering Object, Other	54	\$45,501.00	\$15,400.00
	Information Not Provided By Fire Department	25	\$5,000.00	\$200.00
	Radiated, Conducted Heat From Operating Equipment	123	\$127,971.00	\$4,621.00
	Spark, Ember Or Flame From Operating Equipment	66	\$91,937.00	\$11,104.00
	Undetermined	1,331	\$3,040,583.00	\$459,106.00

All Other Vehicles	Most Frequent Heat Source	Incidents	Property Loss	Contents Loss
	Electrical Arcing	35	\$31,700.00	\$15,900.00
	Heat From Powered Equipment, Other	58	\$192,051.00	\$163,301.00
	Heat Source: Other	33	\$31,001.00	\$56,001.00
	Heat, Spark From Friction	31	\$69,841.00	\$1.00
	Hot Or Smoldering Object, Other	17	\$42,000.00	\$1,550.00
	Information Not Provided By Fire Department	11	\$16,500.00	\$16,500.00
	Radiated, Conducted Heat From Operating Equipment	49	\$235,550.00	\$3,000.00
	Spark, Ember Or Flame From Operating Equipment	20	\$106,501.00	\$4,501.00
	Undetermined	359	\$2,062,060.00	\$189,654.00

VEHICLE FIRES

Mobile Property Involvement						
Incident Type	Information Not Provided By Fire Department	Mobile Property Involved In Ignition, And Burned	Mobile Property Not Involved In Ignition, But Burned In Fire Following Ignition	Mobile Property Was Involved In Ignition, But Did Not Burn	Undetermined	Total
Aircraft Fire		2	1			3
Camper Or Recreational Vehicle (RV) Fire		8	1	2		11
Mobile Property (Vehicle) Fire, Other	5	168	43	44		260
Off-Road Vehicle Or Heavy Equipment Fire	3	55	9	5		72
Open Amusement Ride On Wheels/Trailer		1				1
Passenger Vehicle Fire	29	1,592	228	231	6	2,086
Rail Vehicle Fire		1		2		3
Road Freight Or Transport Vehicle Fire	5	163	38	55		261
Self-Propelled Motor Home Or Recreational Vehicle		4	1	1		6
Water Vehicle Fire		22	3			25
Total	42	2,016	324	340	6	2,728



Picture courtesy of Chris Tompkins:
Somers Point, New Jersey; February 26, 2013



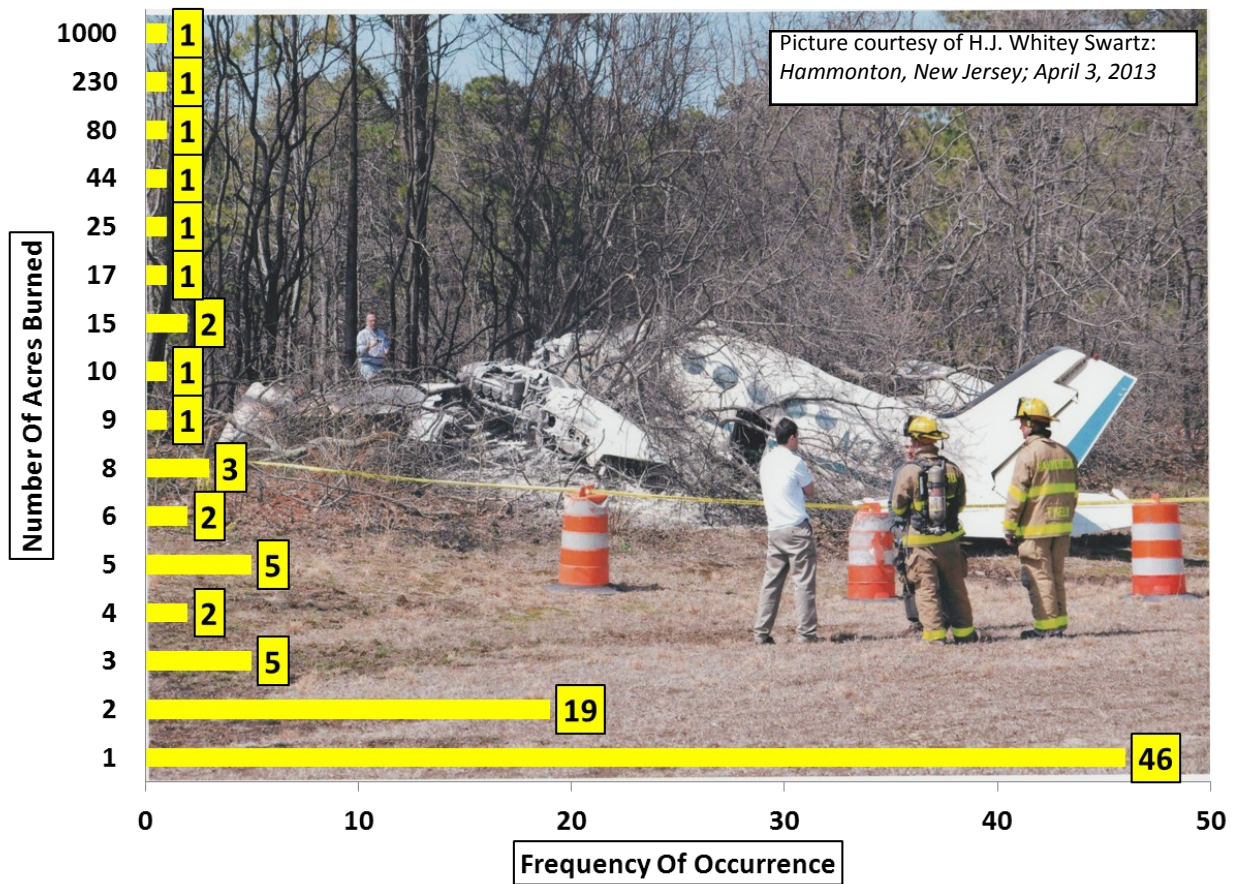
Picture courtesy of Chris Tompkins:
Rahway, New Jersey; January 18, 2013

Passenger Vehicles			
Mobile Property Involvement	Incidents	Property Loss	Contents Loss
Information Not Provided By Fire Department	29	\$5,000.00	\$200.00
Mobile Property Involved In Ignition, And Burned	1,592	\$3,991,121.00	\$533,433.00
Mobile Property Not Involved In Ignition, But Burned In Fire Following Ignition	228	\$116,611.00	\$14,411.00
Mobile Property Was Involved In Ignition, But Did Not Burn	231	\$37,573.00	\$11,193.00
Undetermined	6	\$25,000.00	\$0.00
Total	2,086	\$4,175,305.00	\$559,237.00

All Other Vehicles			
Mobile Property Involvement	Incidents	Property Loss	Contents Loss
Information Not Provided By Fire Department	13	\$16,500.00	\$16,500.00
Mobile Property Involved In Ignition, And Burned	424	\$3,420,161.00	\$375,155.00
Mobile Property Not Involved In Ignition, But Burned In Fire Following Ignition	96	\$233,801.00	\$61,551.00
Mobile Property Was Involved In Ignition, But Did Not Burn	109	\$11,992.00	\$5,202.00
Total	642	\$3,682,454.00	\$458,408.00

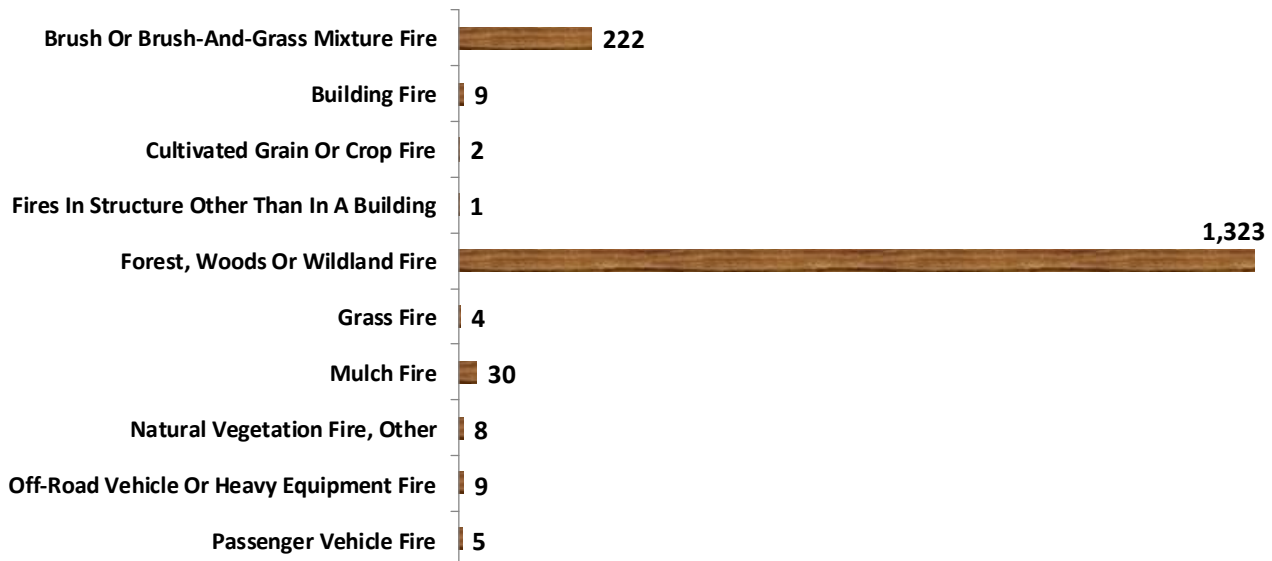
WILDLAND FIRES

Acres Burned



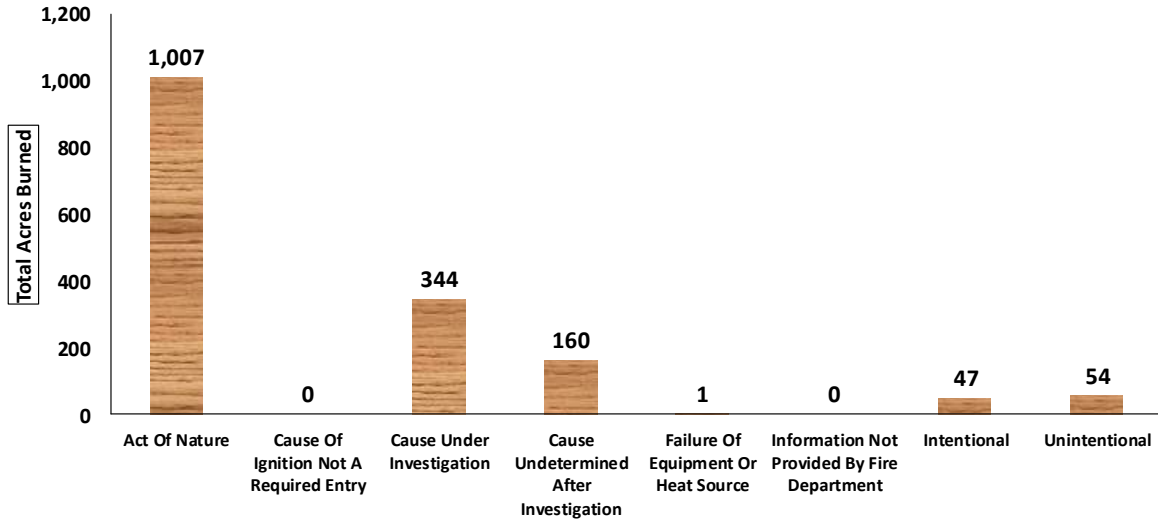
Statewide, 92 fire incidents burned 1,613 acres.

Total Acres Burned By Incident Type

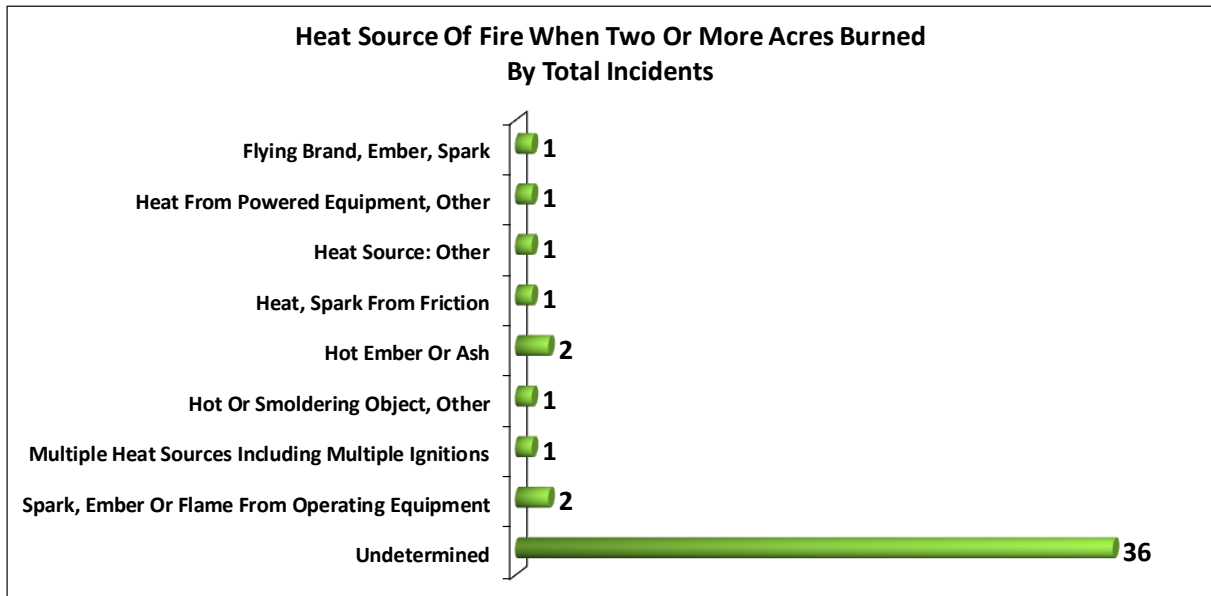


WILDLAND FIRES

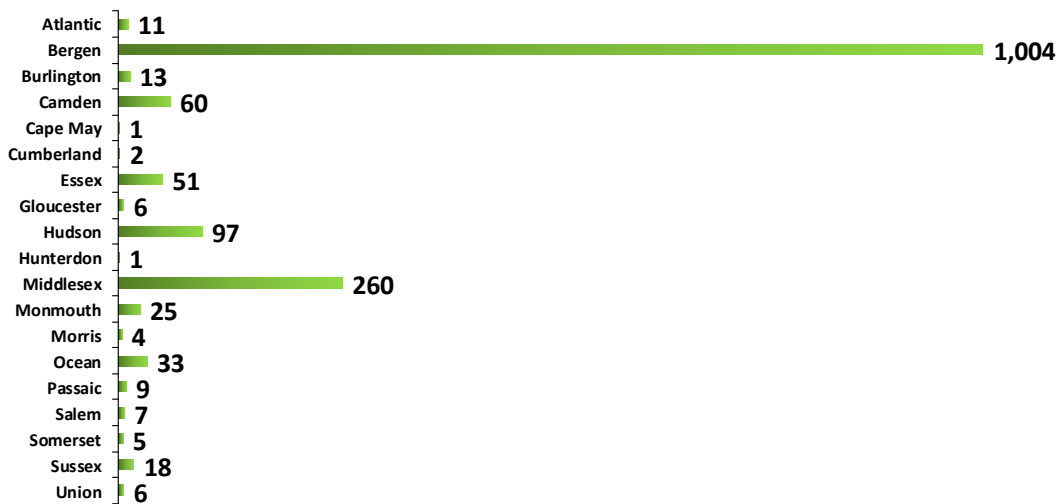
Cause Of Ignition



Heat Source Of Fire When Two Or More Acres Burned By Total Incidents



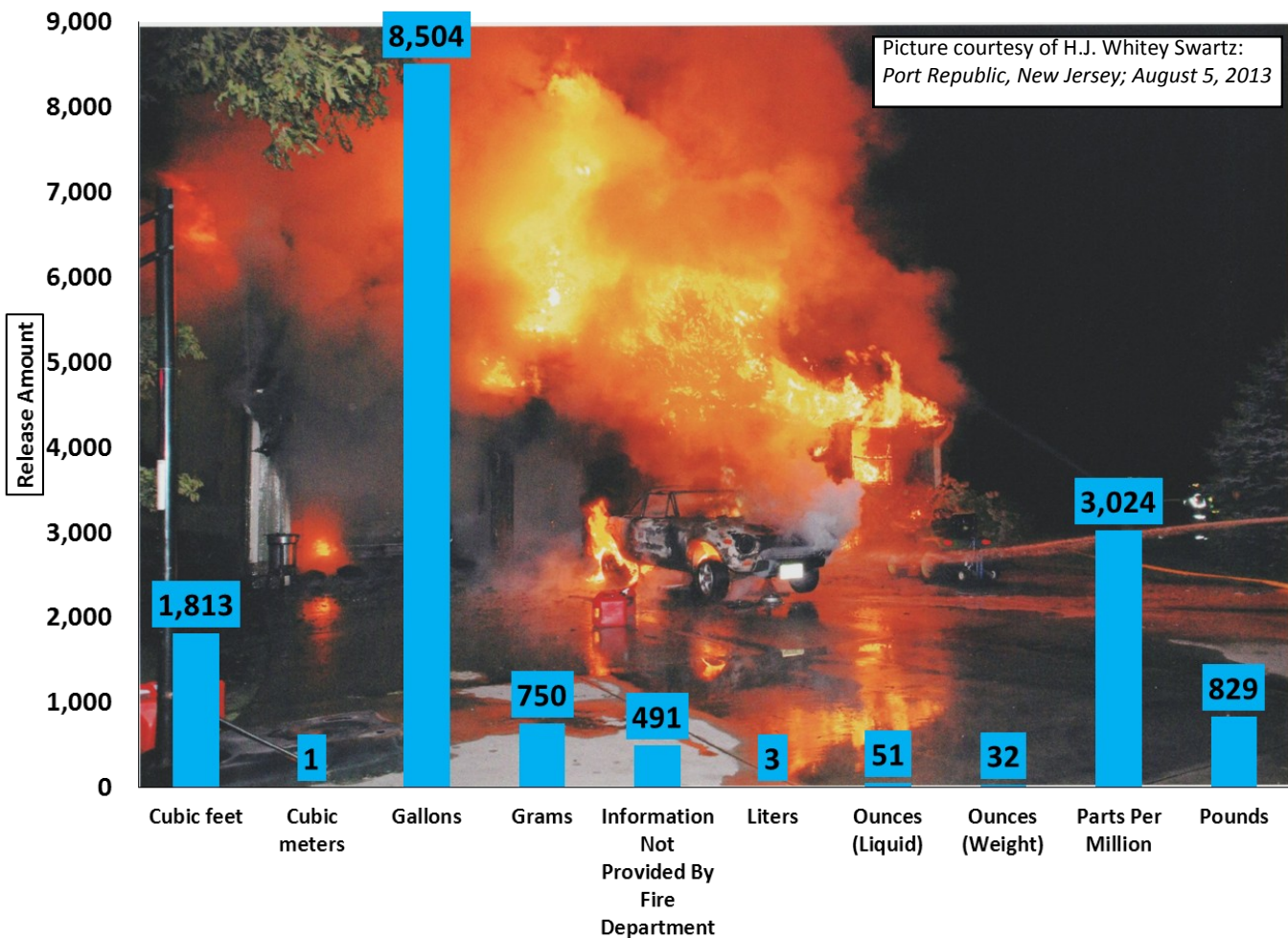
Total Acres Burned By County



HAZARDOUS MATERIALS RELEASES

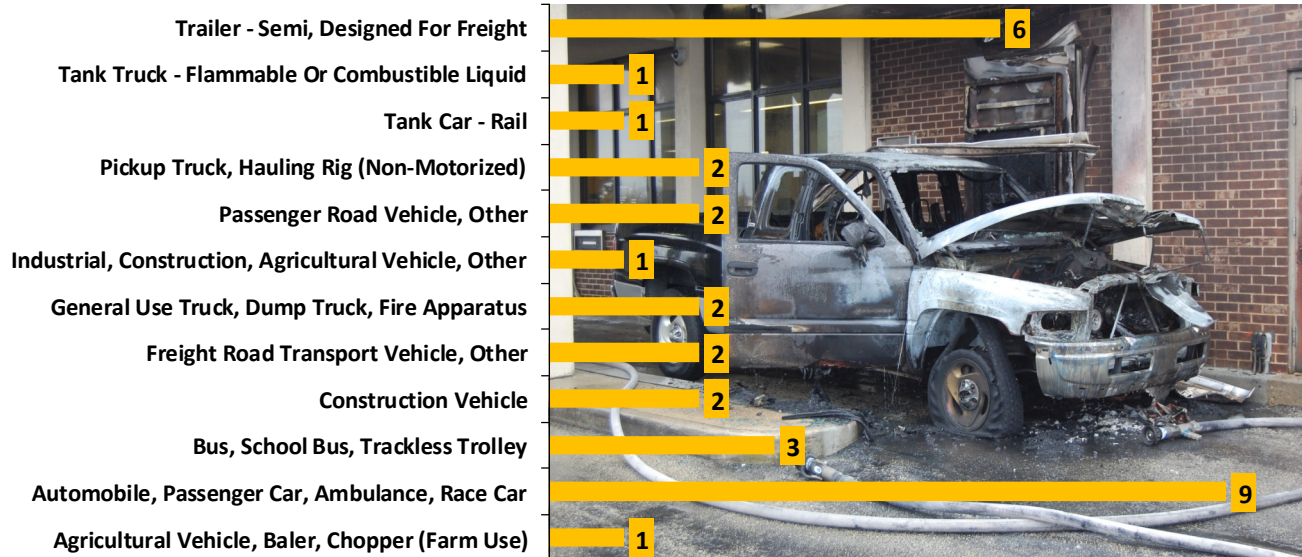
Container Types Involved In Hazardous Materials Release Incidents And Type Of Environment										
Hazardous Materials Released Into										
Container Type	Air	Air And Ground	Air, Water, And Ground	Confined, No Environmental Impact	Ground	Information Not Provided By Fire Department	Water	Water And Air	Water And Ground	Total
Can Or Bottle	1			1	1					3
Container Type, Other				1	1					2
Cylinder	3									3
Drum					3					3
Fixed Container, Other					2	1				3
Information Not Provided By Fire Department	13	2	2	3	5	33	2			60
Machinery Or Process Equipment	8				2					10
Mobile Container, Other	2				2					4
None	1				1		1			3
Pipe Or Pipeline	11	5								16
Portable Container, Other	2	1		2	3				1	9
Product Tank On Or Towed By Vehicle			1		1					2
Tank Or Silo		1		2	4			1		8
Undetermined	2				1					3
Vehicle Fuel Tank And Associated Piping	1	3	1	4	12					21
Total	44	12	4	13	38	34	3	1	1	150

Release Amount Totals Of Hazardous Materials



HAZARDOUS MATERIALS RELEASES

Mobile Properties Involved In Hazardous Materials Incidents



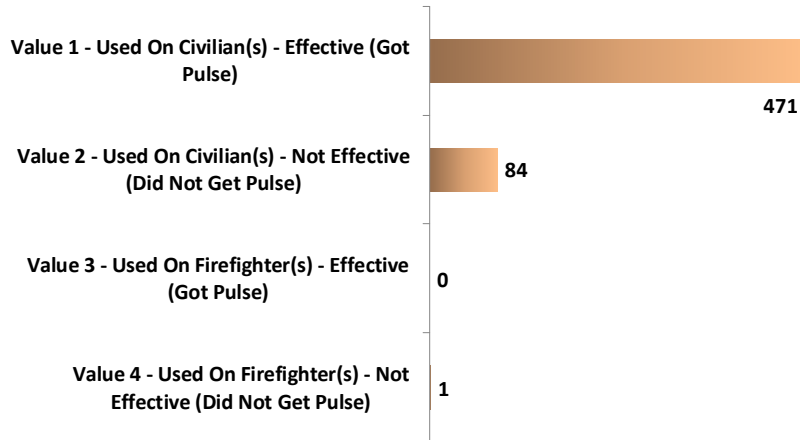
Picture courtesy of Chris Tompkins:
Somers Point, New Jersey; February 26, 2013

Incident Types At Which Hazardous Materials Releases Occurred	Frequency
Biological Hazard, Confirmed Or Suspected	1
Carbon Monoxide Incident	13
Chemical Hazard (No Spill Or Leak)	3
Chemical Spill Or Leak	18
Combustible/Flammable Gas/Liquid Condition, Other	1
Dumpster Or Other Outside Trash Receptacle Fire	2
EMS Call, Excluding Vehicle Accident With Injury	1
Fire, Other	2
Gas Leak (Natural Gas Or LPG)	41
Gasoline Or Other Flammable Liquid Spill	32
Hazardous Condition, Other	1
Motor Vehicle Accident With Injuries	3
Motor Vehicle Accident With No Injuries	1
Motor Vehicle/Pedestrian Accident (MV Ped)	1
Off-Road Vehicle Or Heavy Equipment Fire	2
Oil Or Other Combustible Liquid Spill	20
Outside Equipment Fire	2
Road Freight Or Transport Vehicle Fire	1
Special Type Of Incident, Other	2
Toxic Condition, Other	1
Vehicle Accident, General Cleanup	2
Total	150

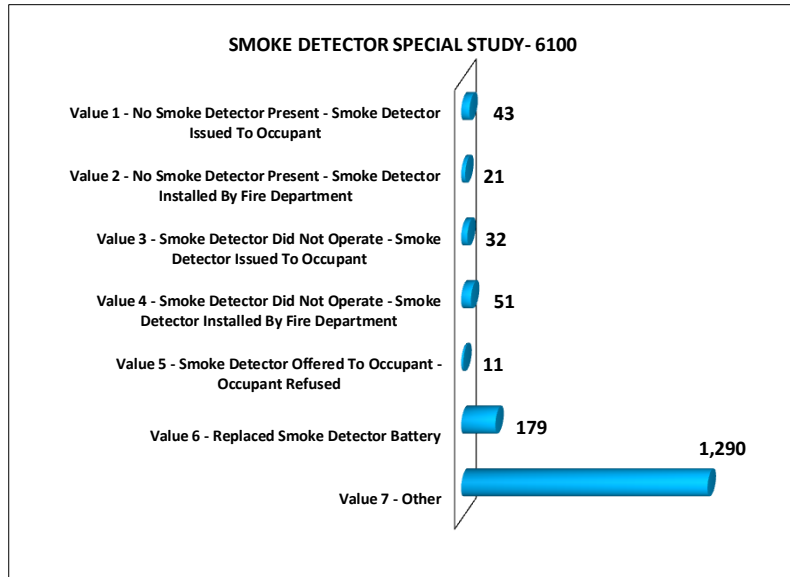
Most Frequent Hazardous Material/Chemical Releases	Occurrence Of Release	Sum Of Release Amount	Unit Type Of Release And Amount
Carbon Monoxide	11	3,076	Cubic Feet = 54 Parts Per Million = 3,022
Diesel Fuel	13	1,484	Gallons = 1,484
Fuel Oil #2	4	135	Gallons = 135
Gasoline	22	916	Gallons = 856 Ounces (Liquid) = 28 Ounces (Weight) = 32
Mercury	2	13	Ounces (Liquid) = 13
Natural Gas	33	2,063	Cubic Feet = 1,759 Cubic Meters = 1 Gallons = 1 Parts Per Million = 1 Pounds = 300
Oil	2	5,005	Gallons = 5,005
Propane	2	26	Pounds = 26

SPECIAL STUDIES

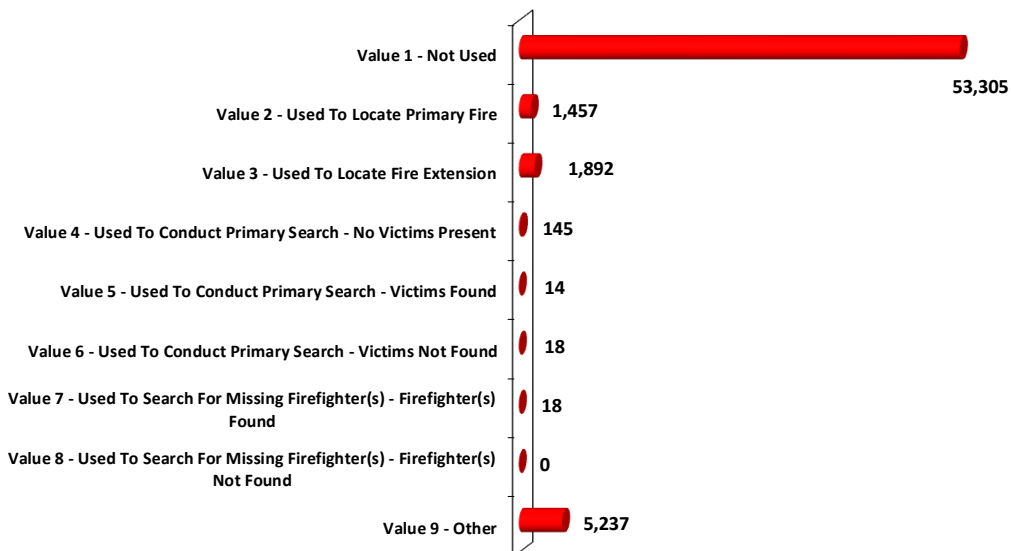
Automatic External Defibrillator Special Study - 7000



SMOKE DETECTOR SPECIAL STUDY- 6100



Thermal Imaging Camera Special Study - 6000



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.

INCIDENT TYPE CODES

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.

INCIDENT TYPE CODES

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.

INCIDENT TYPE CODES

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.

INCIDENT TYPE CODES

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.

INCIDENT TYPE CODES

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.