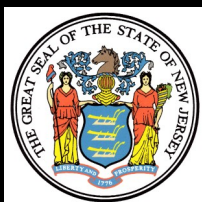
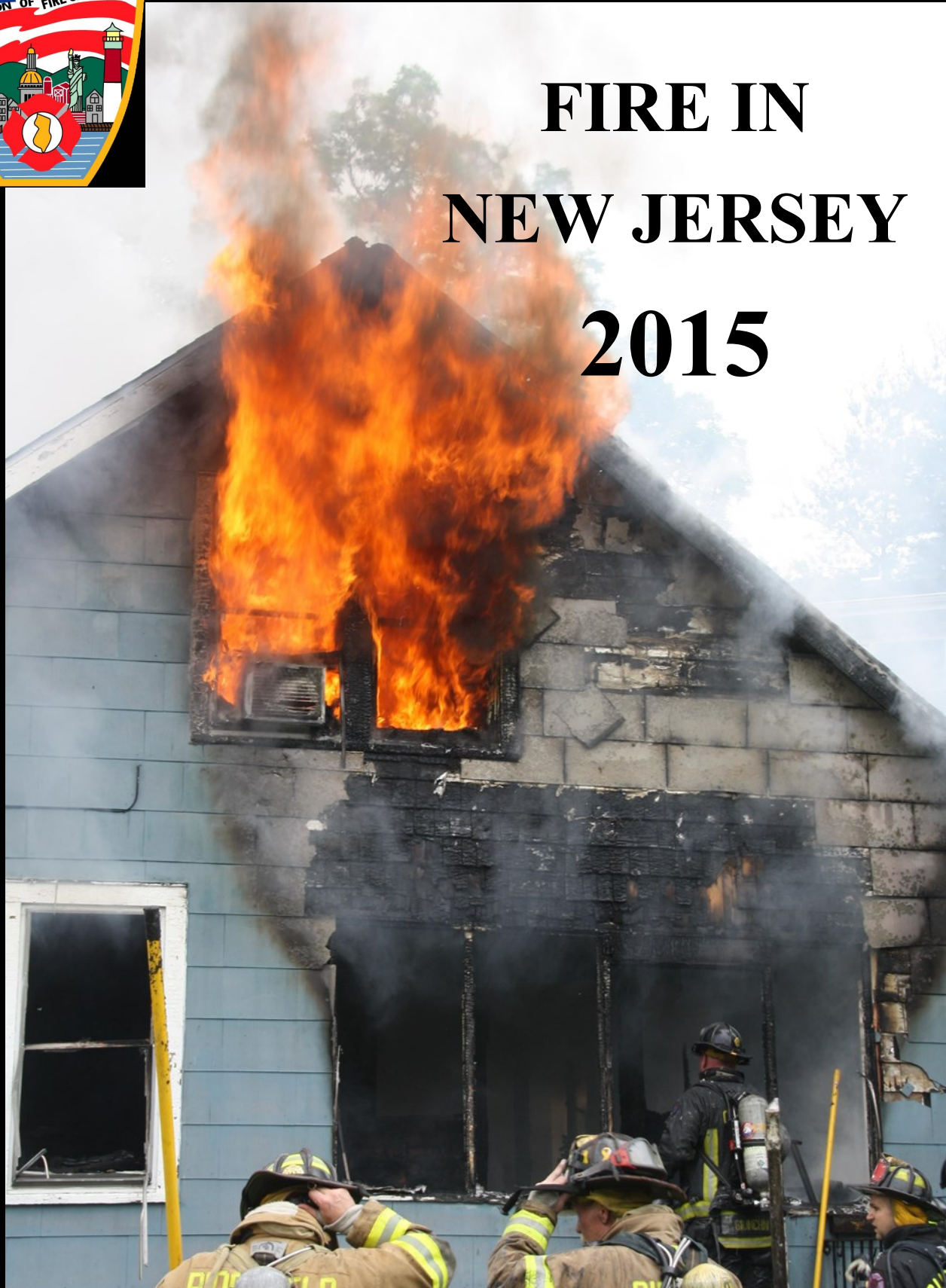




FIRE IN NEW JERSEY 2015



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



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State of New Jersey

DEPARTMENT OF COMMUNITY AFFAIRS

101 SOUTH BROAD STREET

PO Box 800

TRENTON, NJ 08625-0051

CHRIS CHRISTIE

Governor

KIM GUADAGNO

Lt. Governor

CHARLES A. RICHMAN

Commissioner

June, 2016

The Department of Community Affairs' Division of Fire Safety is pleased to present *Fire in New Jersey, 2015*.

This report details the activities of the 625 New Jersey Fire Departments that voluntarily submitted data on their responses to emergency situations. Among others, these incidents include structural, vehicle, and wildland fires in addition to hazardous materials releases and medical emergencies.

The Division of Fire Safety is particularly grateful to the participating Fire Departments, the staff of the Division's Fire Incident Reporting Unit, and the New Jersey Fire Safety Commission's Statistics and Information Advisory Council for their efforts and support. With the help of their data, expertise, and guidance, we can identify where and why fires occur as a basis for examining the efficacy of fire codes and improving and expanding our fire safety education curriculum.

We honor those firefighters who have died in the line of duty and offer our sincere thanks to all members of the fire service who protect the lives and property of the residents of New Jersey.

Charles A. Richman
Commissioner

William Kramer, Jr.
Acting Director/State Fire Marshal





DEDICATION

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

Barry Van Horn
Somerville Fire Department

Thomas Miserendino
Beachwood Volunteer Fire Company #1

Thomas Kolarick
Keasbey Fire Department

Sean Benson
Paramus Fire Department

Gerald Celecki
South Amboy Fire Department

FIRE IN NEW JERSEY

2015

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

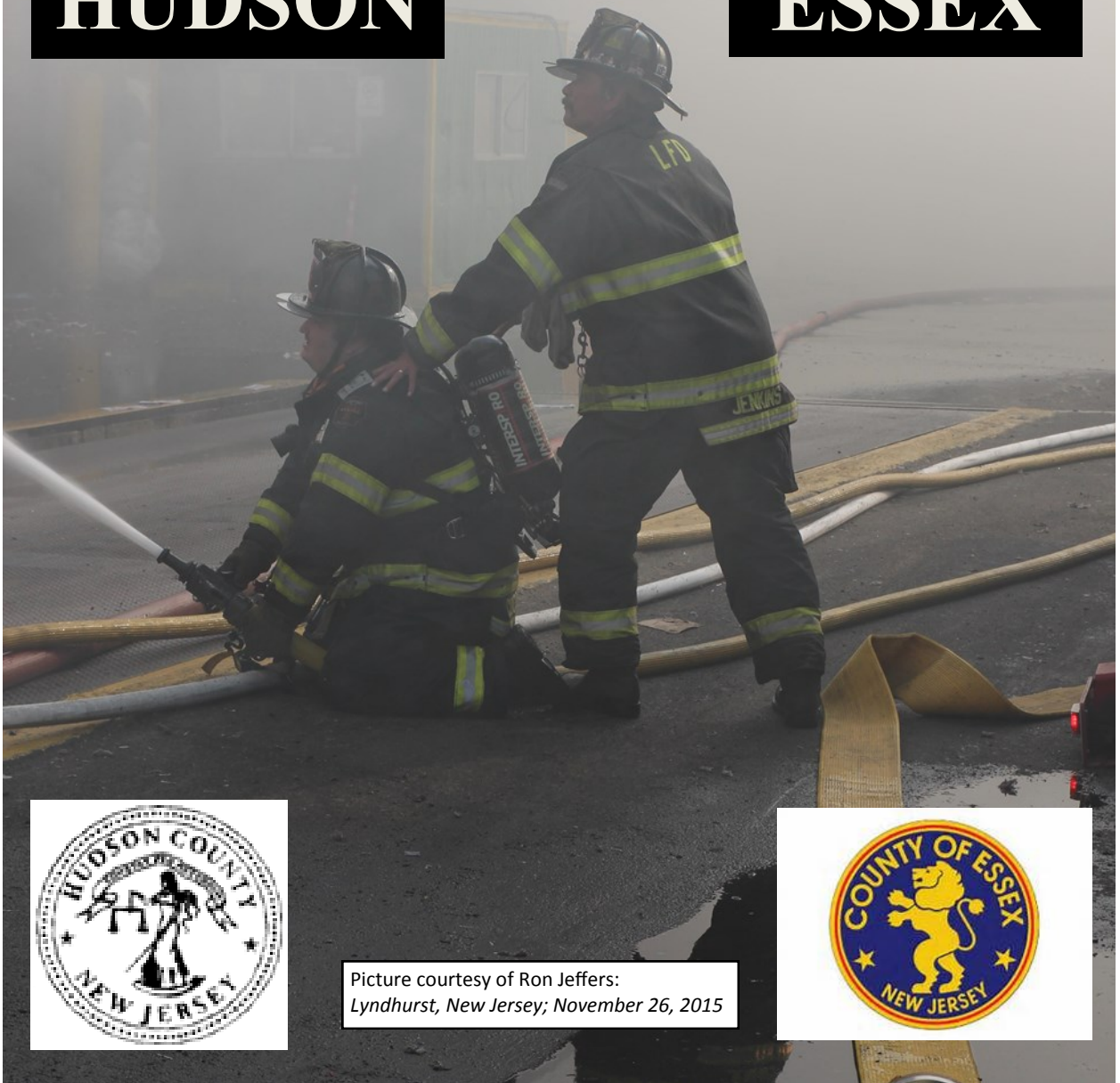
CONGRATULATIONS

TO THE FOLLOWING COUNTIES

FOR **100%** PARTICIPATION

HUDSON

ESSEX



Picture courtesy of Ron Jeffers:
Lyndhurst, New Jersey; November 26, 2015



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INTRODUCTION

FIRE IN NEW JERSEY 2015 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 Ron Jeffers:
Kearny, New Jersey; January 31, 2015

Front cover picture courtesy of Ron Jeffers—*Cliffside Park, New Jersey; June 16, 2015*

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 the NFIRS Unit for assistance.

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

REPORT CONTENTS

The 2015 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 23, 2016. 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 429,618 times to 376,731 incidents in 2015.

Data submission is broken down as follows:

Of the 718 fire departments in the state, 625 (87%) submitted data.

Note: 28 fire departments submitted less than six months of data.

93 fire departments did not submit any data.

Please Note: 244 (39%) of the 625 fire departments that reported, submitted dollar loss information.

Fire Department Changes:

Mercer County - Hamilton Fire District #2 (FDID# 11012), DeCou Fire Company (FDID# 11015), White Horse Fire Company #1 (FDID# 11016), Nottingham Volunteer Fire Company (FDID# 11017), Colonial Volunteer Fire Company (FDID# 11018), and Hamilton Township Fire District #9 (FDID# 11019) all merged into Hamilton Township Fire Districts (FDID# 11001).

Ocean County - The Brick Township Fire Department FDID number was changed from 15077 to 15120.

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 2015 totals unless otherwise specified.

FAST STATS FOR 2015

- ♦ **5** firefighters died in the line of duty. ([Page 13](#))
- ♦ **648** firefighter injuries were reported. ([Page 14](#))
- ♦ **77** civilians lost their lives as a result of fire. ([Page 19](#))
- ♦ **59 (77%)** of all civilian fire fatalities occurred in residential properties. ([Page 21](#))
 - **33 (43%)** in 1 or 2 family dwellings
 - **26 (33%)** in multifamily dwellings
- ♦ **260** civilians were reported injured as a result of fire. ([Page 24](#))
- ♦ **581** civilians were reported revived by fire departments using an automatic external defibrillator. ([Page 74](#))
- ♦ **27,409** fires were reported. ([Page 33](#))
- ♦ **15,514** structure fires were reported. ([Page 34](#))
- ♦ **79%** of all reported structure fires involved residential properties. ([Page 37](#))
- ♦ **56%** of reported residential fires occurred in 1 or 2 family dwellings. ([Page 35](#))
- ♦ **282** fires were reported intentionally set in residential properties. ([Page 39](#))
- ♦ **77%** of all reported vehicle fires involved passenger vehicles. ([Page 67](#))
- ♦ **14 (18%)** civilian fire fatalities occurred in vehicles. ([Page 21](#))
- ♦ **40** passenger vehicle fires were reported intentionally set. ([Page 68](#))
- ♦ **2,352** acres were reported burned. ([Page 70](#))
- ♦ **358** school fires were reported. ([Page 62](#))
- ♦ **8%** of all reported incident responses were fire incidents. ([Page 30](#))

2015 FIRE CLOCK

One firefighter injury
occurred every
13 hours 30 minutes



One fire
occurred every
**19 minutes
10 seconds**



One civilian fire injury
occurred every
**33 hours
40 minutes**

One structure fire
occurred every
**33 minutes
52 seconds**



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

One vehicle fire
occurred every
**2 hours
42 minutes**



One school fire
occurred every
**24 hours
27 minutes**

Fire departments responded
to fire incidents every
14 minutes 32 seconds



Fire departments responded
to incidents every
1 minute 13 seconds



Pictures courtesy of Bill & Chris Tompkins

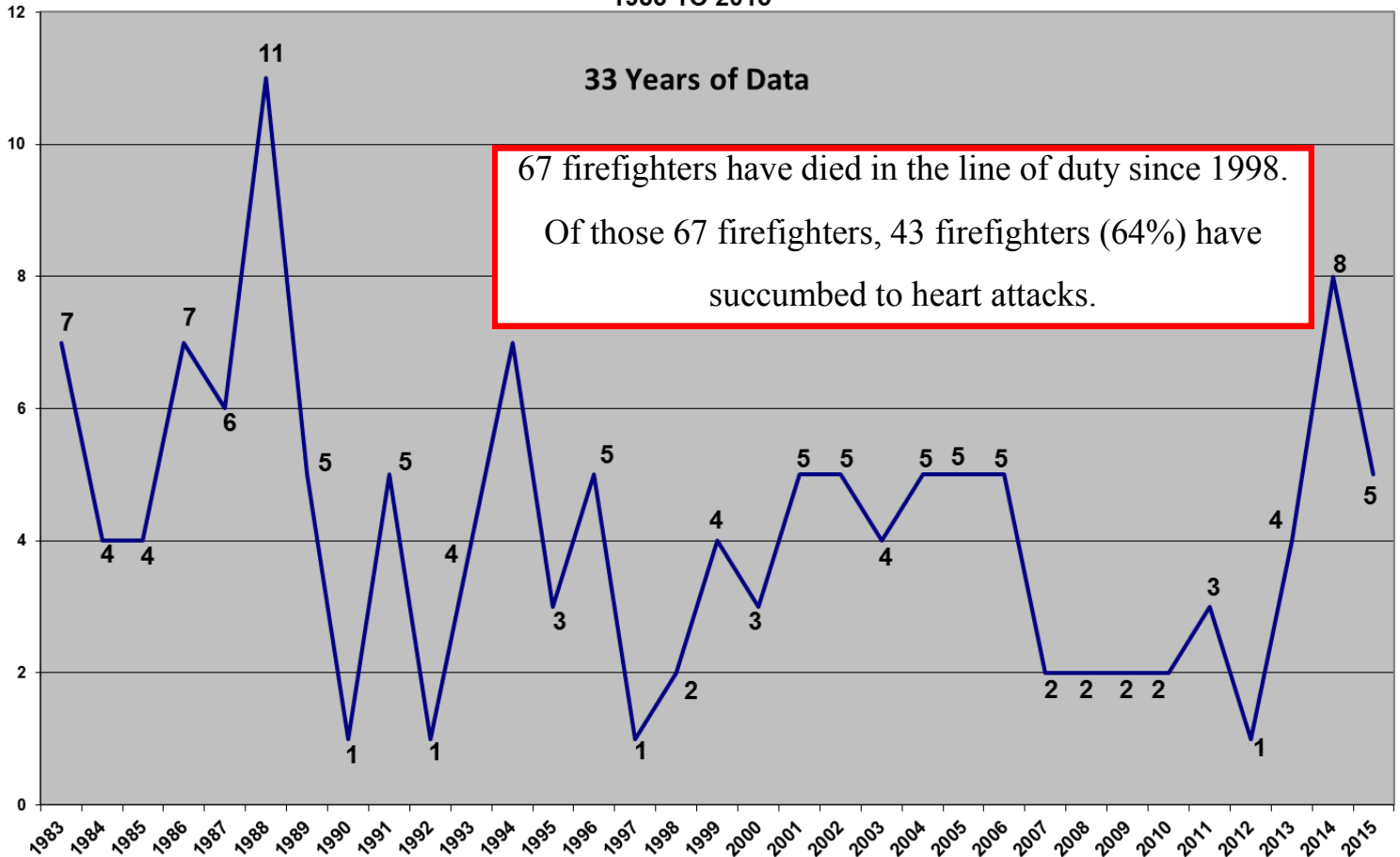


FIREFIGHTER LINE-OF-DUTY DEATHS

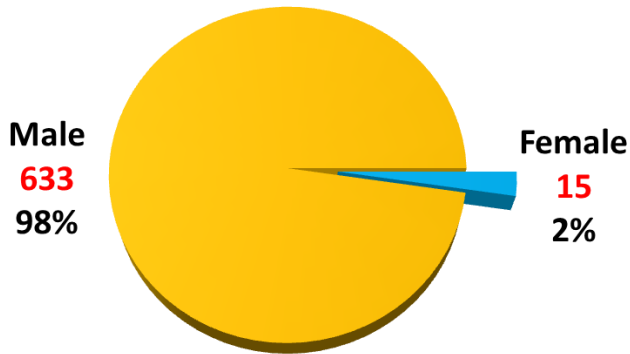


FIREFIGHTER LINE-OF-DUTY DEATHS 2015						
NAME	AGE	STATUS AT TIME OF DEATH	YEARS OF SERVICE	FIRE DEPARTMENT	CAUSE OF DEATH	INCIDENT TYPE
Barry Van Horn	66	Volunteer	40+	Somerville FD	Heart Attack	False Alarm
Thomas D. Miserendino	71	Volunteer	44	Beachwood VFC	Heart Attack	Canceled Enroute
Thomas J. Kolarick	59	Volunteer	40	Keasbey FD	Heart Attack	Information Not Provided By Fire Department
Sean Benson	50	Volunteer	32	Paramus FD	Heart Attack	False Alarm
Gerald Celecki	70	Volunteer	50	South Amboy FD	Heart Attack	Hazardous Condition

**FIREFIGHTER LINE-OF-DUTY DEATHS
1983 TO 2015**



FIREFIGHTER INJURIES



NUMBER OF REPORTED FIREFIGHTER INJURIES IN 2015	NUMBER OF FIREFIGHTERS INJURED TWICE IN 2015
648 (633 Male, 15 Female)	29 (29 Male)

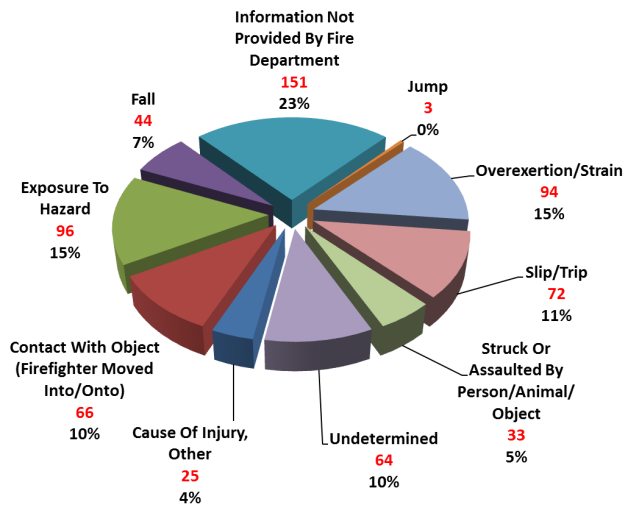
Year	Number Of Firefighter Injuries	Number Of Fire Departments Reporting
2015	648	625
2014	589	636
2013	453	646
2012	398	670
2011	516	682
2010	737	688
2009	717	687
2008	856	691
2007	864	715
2006	920	719
2005	863	675
2004	682	656
2003	712	576
2002	719	594
2001	596	586
2000	333	356

Most Frequent Incident Types When Firefighter Injuries Occurred



FIREFIGHTER INJURIES

Cause Of Firefighter Injuries

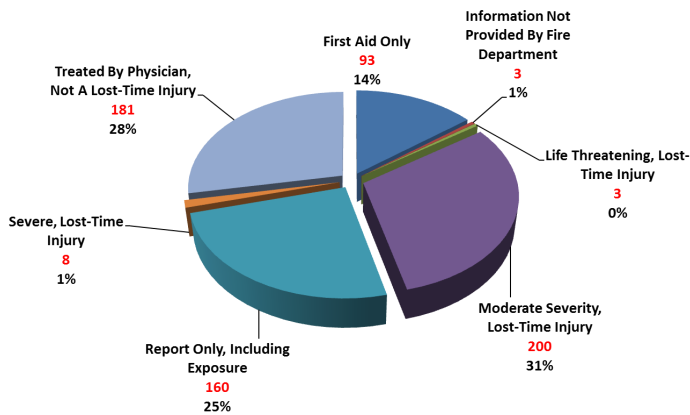


Picture courtesy of Ron Jeffers:
Edgewater, New Jersey; January 21, 2015

Cause Of Firefighter Injuries By County	County	Cause Of Injury, Other	Contact With Object (Firefighter Moved Into/Onto)	Exposure To Hazard	Fall	Information Not Provided By Fire Department	Jump	Overexertion/Strain	Slip/Trip	Struck Or Assaulted By Person/Animal/Object	Undetermined	Total
	Atlantic	1	2	2	3	2	3	2	1			
Bergen	3	8	5	5	17		10	8	1	9		66
Burlington	2	4	2	13			7	3	1	2		34
Camden	1	2	4	21			7	3	1	1		40
Cape May		1	1	1	1			1				5
Cumberland		1	1	5			3			1		11
Essex	4	8	12	9	5		24	11	9	19		101
Gloucester	1	1		5			1					8
Hudson	2	8	8	7	29	1	3	3	8	5		74
Hunterdon		1		1				2				4
Mercer	3	3	42	1	8		4	2	2	2		67
Middlesex	1	5	2	4	4	1	6	11	1	9		44
Monmouth	1	2	5	5	15		6	2		2		38
Morris			1	1			1	2	1	3		9
Ocean	1	1	1	10			2	7	1			23
Passaic	1	5	1	1	8		3	2	2	1		24
Salem		1										1
Somerset	1	2	2	1	5		2	3	1	4		21
Sussex							1	1				2
Union	3	11	9	6	1	1	10	10	5	6		62
Warren				1			2					3
Total		25	66	96	44	151	3	94	72	33	64	648

FIREFIGHTER INJURIES

Severity Of Firefighter Injuries



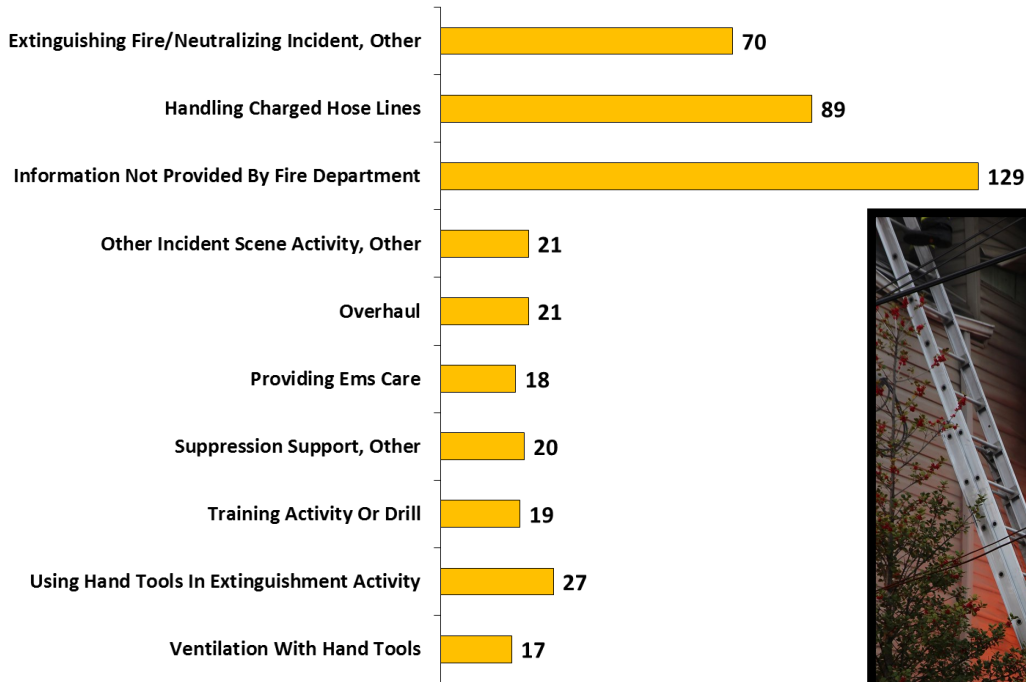
Picture courtesy of Bill Tompkins:
Paterson, New Jersey; May 31, 2015

Severity Of Firefighter Injuries	Average Age Of Firefighters Injured
First Aid Only	37
Information Not Provided By Fire Department	37
Life Threatening, Lost-Time Injury	50
Moderate Severity, Lost-Time Injury	41
Report Only, Including Exposure	40
Severe, Lost-Time Injury	46
Treated By Physician, Not A Lost-Time Injury	36
Average Age Of All Firefighters Injured	39

Severity Of Firefighter Injuries By County	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					3	3		5
Bergen	17			1	11	13	1	23	66
Burlington	6				13	5	1	9	34
Camden	6				12	13	2	7	40
Cape May					2			3	5
Cumberland	1				3	2		5	11
Essex	15	1			32	30		23	101
Gloucester	2				3	1		2	8
Hudson	6				42	15		11	74
Hunterdon					3			1	4
Mercer	3	1			13	12		38	67
Middlesex	7			2	14	8	2	11	44
Monmouth	2				6	15		15	38
Morris	1				4	1		3	9
Ocean	6				10	4	1	2	23
Passaic	10	1			4	3		6	24
Salem								1	1
Somerset	1				4	9		7	21
Sussex					1			1	2
Union	9				20	26	1	6	62
Warren	1							2	3
Total		93	3	3	200	160	8	181	648

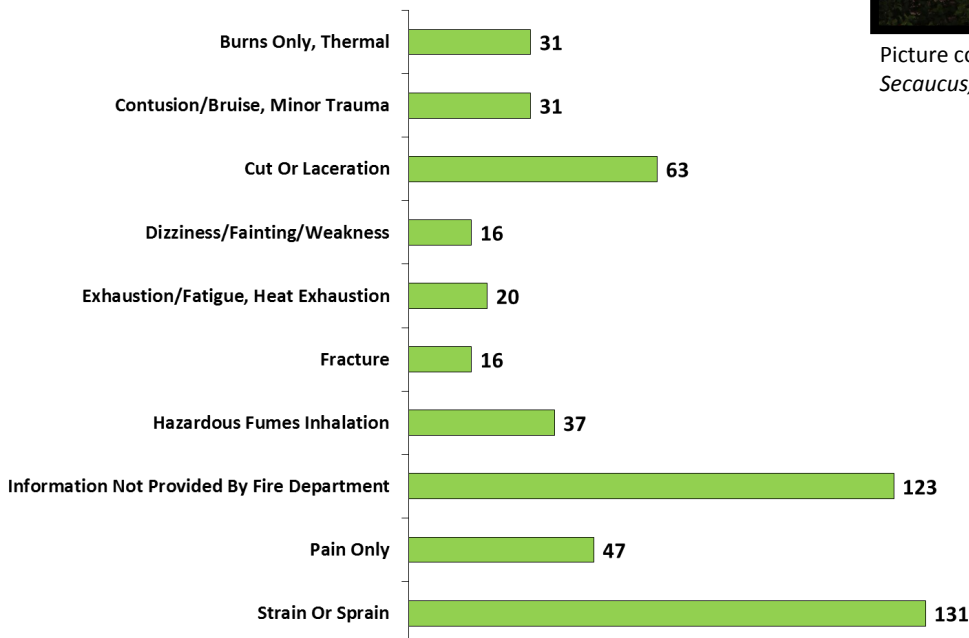
FIREFIGHTER INJURIES

Most Frequent Firefighter Activity When Injuries Occurred



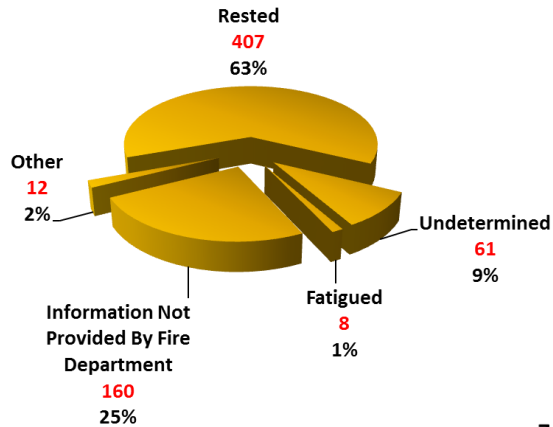
Picture courtesy of Ron Jeffers:
Secaucus, New Jersey; December 25, 2015

Most Frequent Primary Apparent Symptoms Of Firefighter Injuries

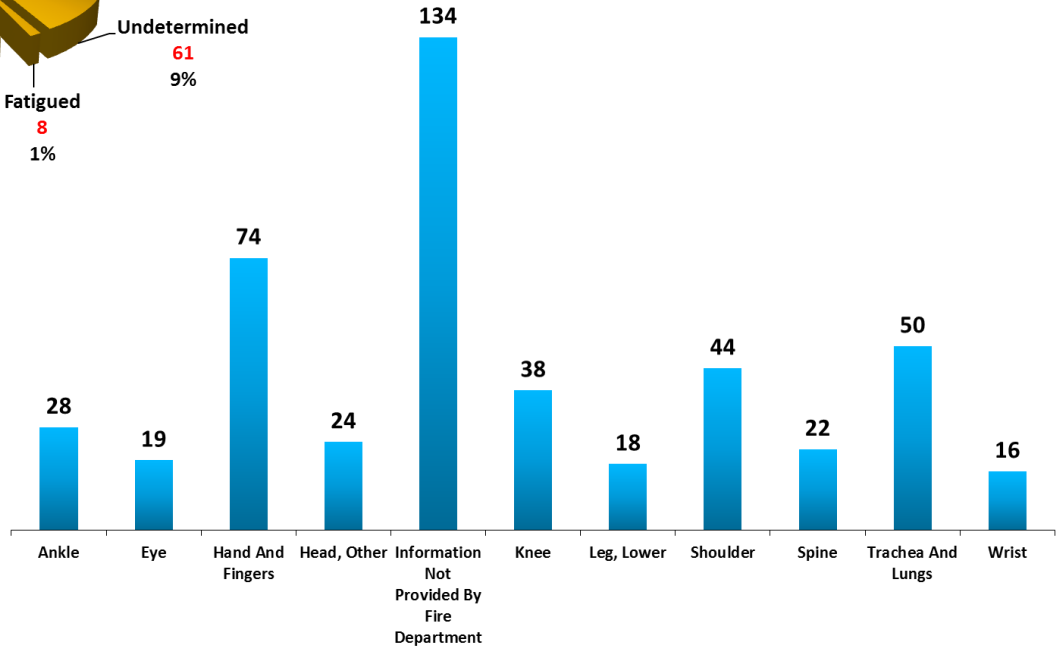


FIREFIGHTER INJURIES

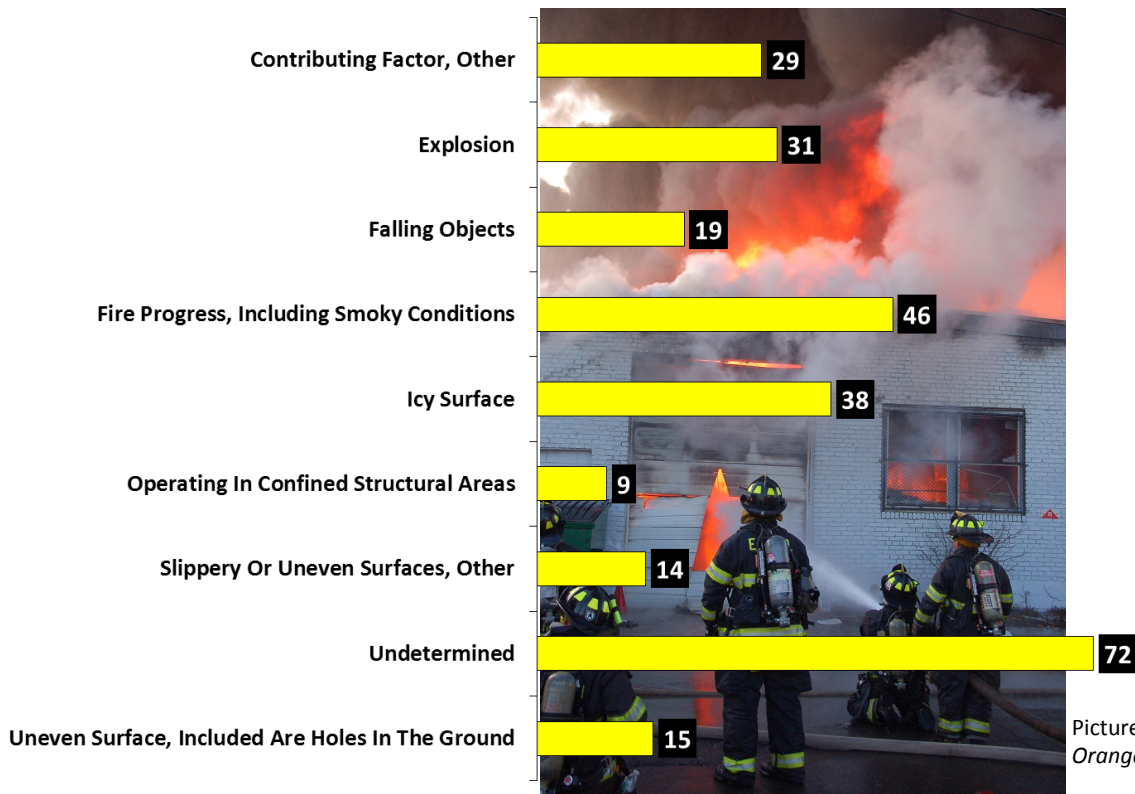
Physical Condition Of Firefighters Just Prior To Injury



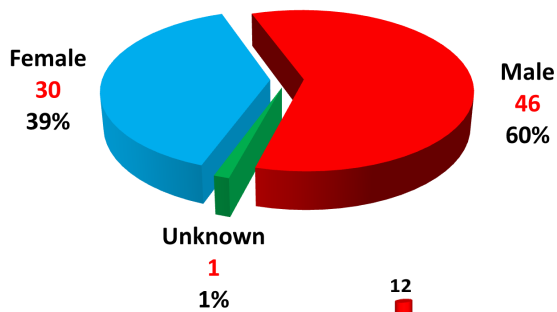
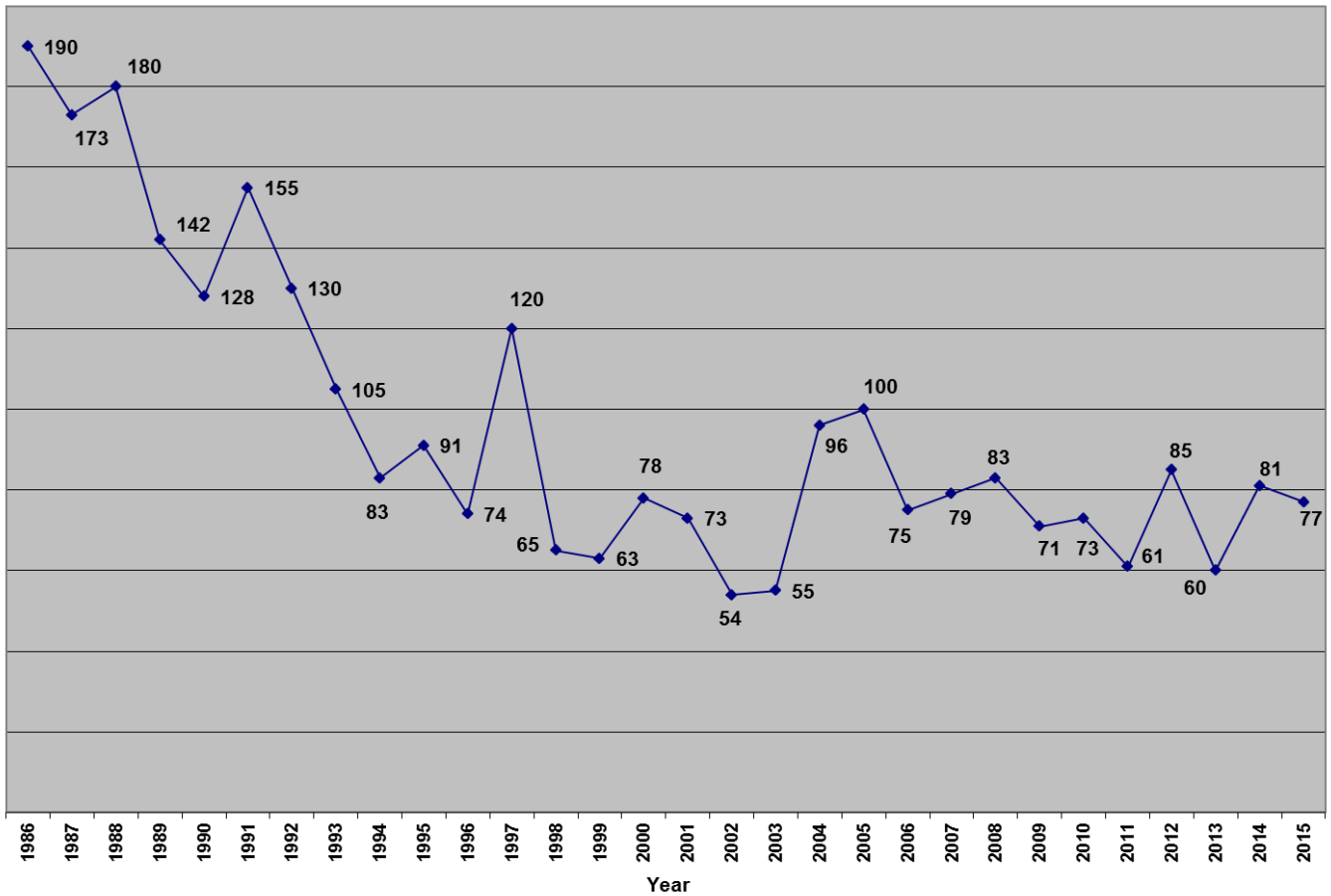
Most Frequent Primary Area Of Body Injured



Most Frequent Factors Contributing To Firefighter Injuries

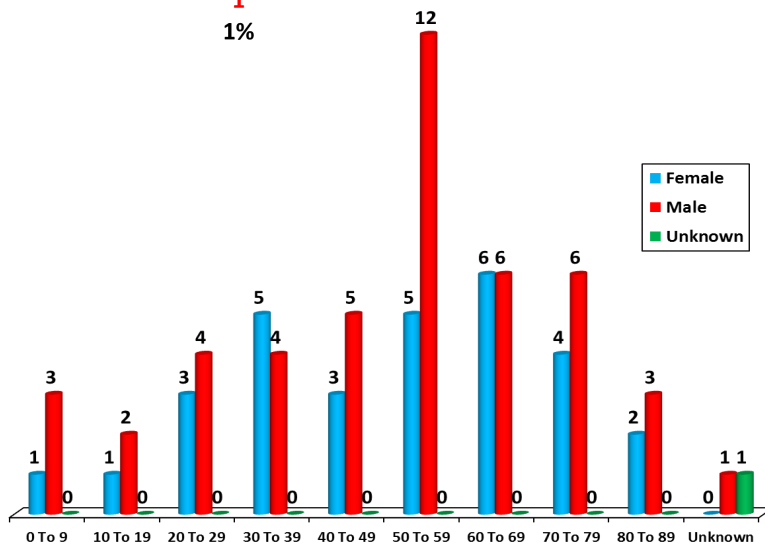


CIVILIAN FIRE FATALITIES

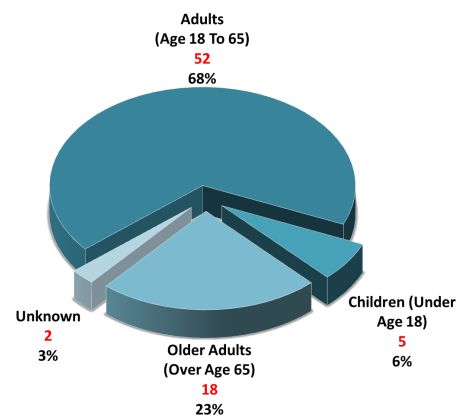


62 FIRE INCIDENTS LED TO 77 CIVILIAN FATALITIES

46 RESIDENTIAL FIRE INCIDENTS LED TO 59 CIVILIAN FATALITIES

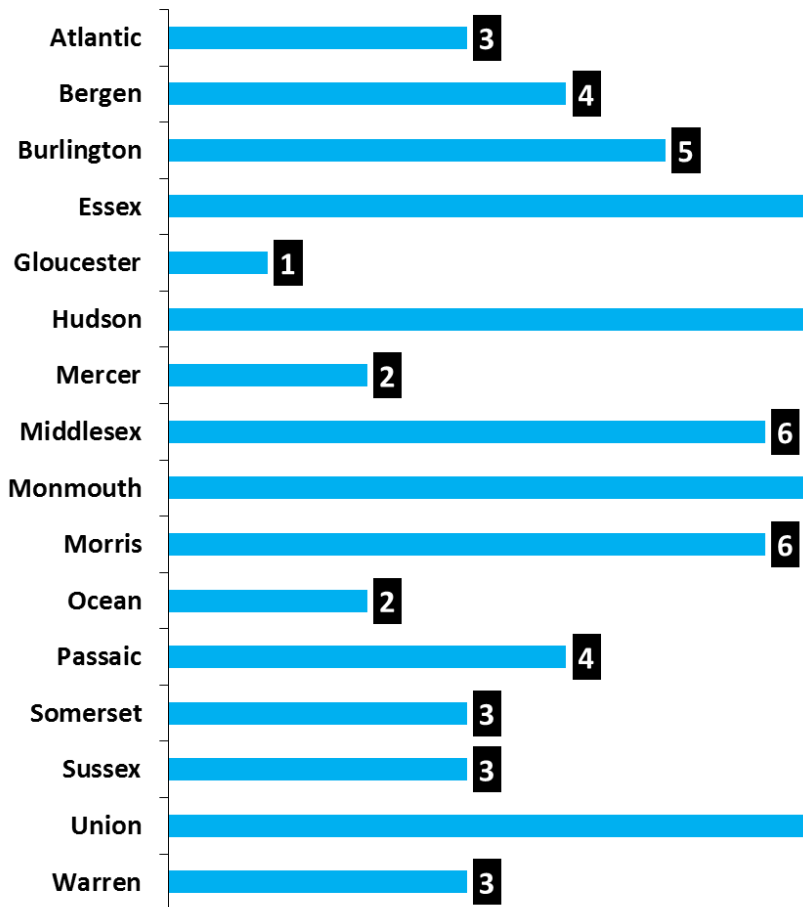


Civilian Fire Fatalities By Age Group



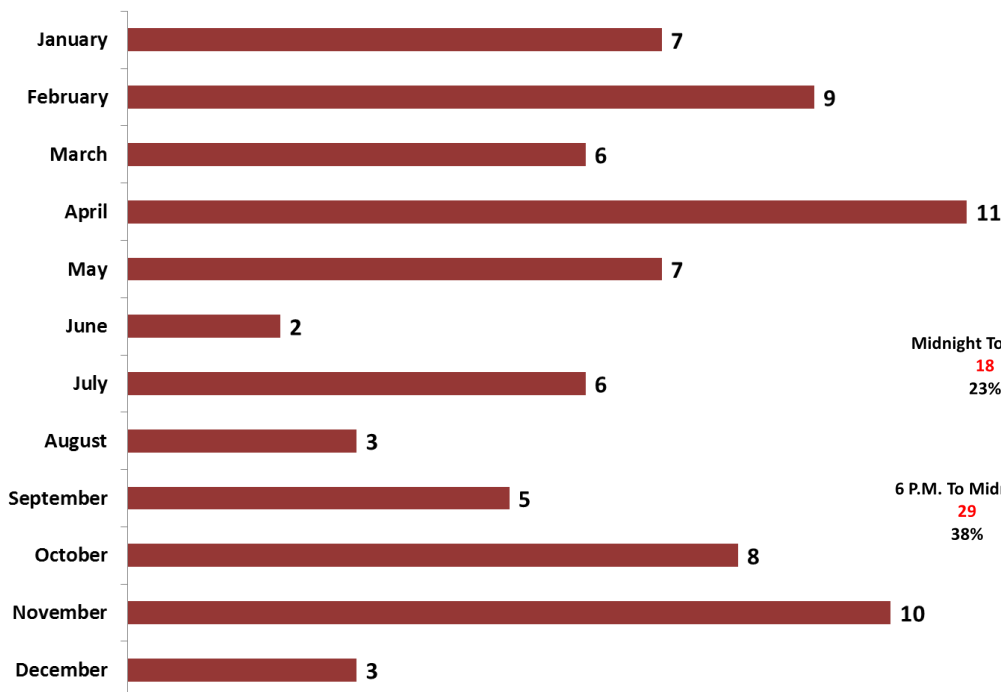
CIVILIAN FIRE FATALITIES

Civilian Fire Fatalities By County

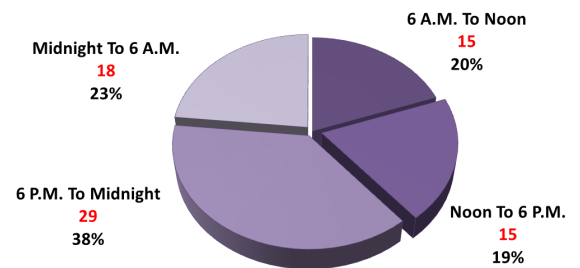


Picture courtesy of Chris Tompkins:
Garfield, New Jersey; March 29, 2015

Civilian Fire Fatalities By Month

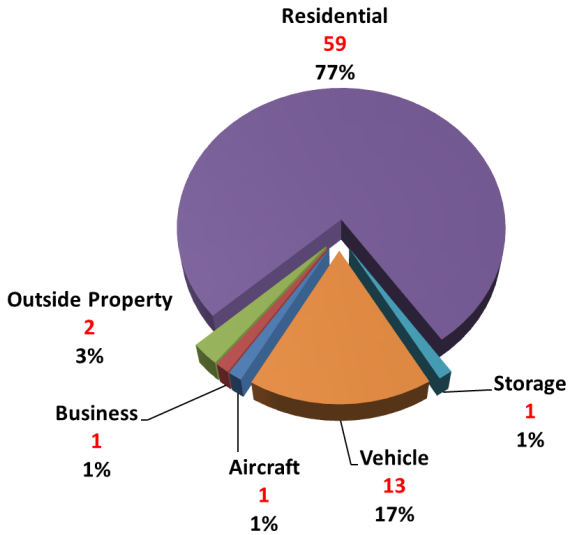


Civilian Fire Fatalities By Time Of Day

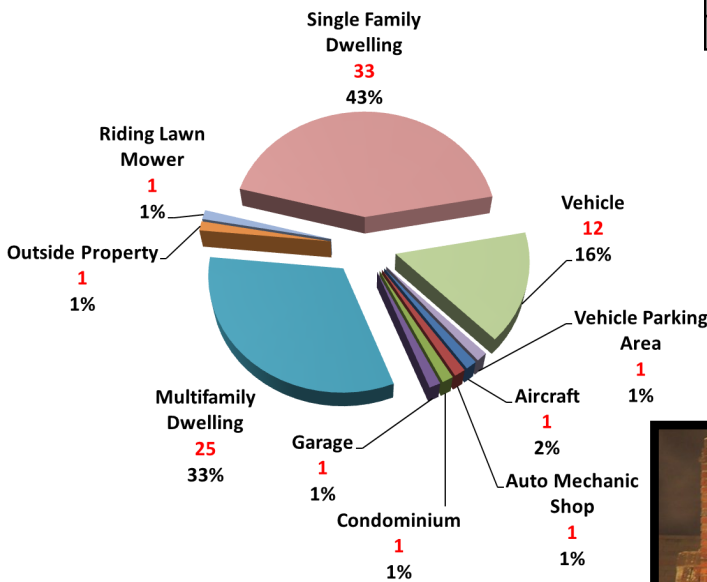


CIVILIAN FIRE FATALITIES

**Civilian Fire Fatalities
By Property Use Category**



Civilian Fire Fatalities By Specific Property Use



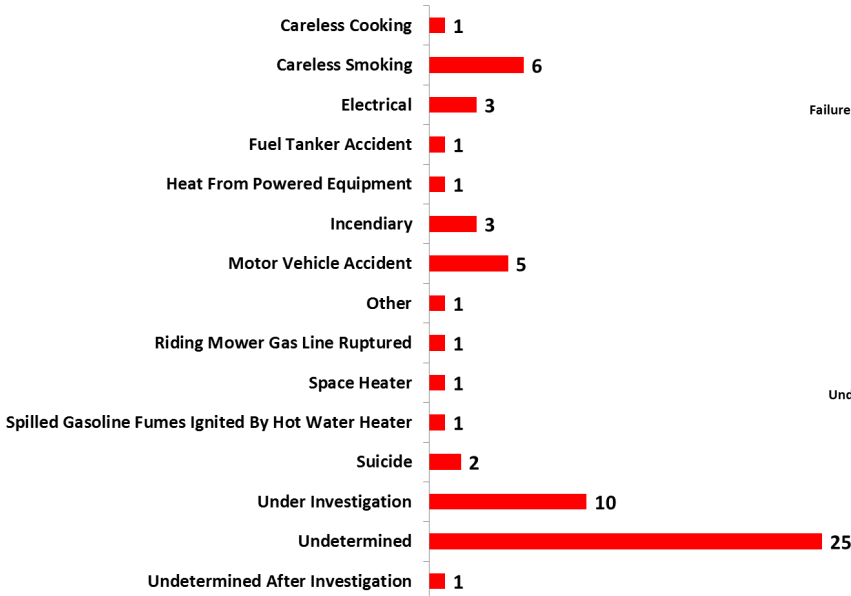
YEAR	TOTAL CIVILIAN FIRE FATALITIES	TOTAL CIVILIAN FIRE FATALITIES IN RESIDENTIAL STRUCTURES & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN 1 OR 2 FAMILY DWELLINGS & PERCENTAGE OF ALL CIVILIAN FIRE FATALITIES	CIVILIAN FIRE FATALITIES IN MULTIFAMILY DWELLINGS & PERCENTAGE OF 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	79	67 = 84%	52 = 65%	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%
2014	81	64 = 79%	46 = 56%	17 = 21%
2015	77	59 = 77%	33 = 43%	26 = 33%



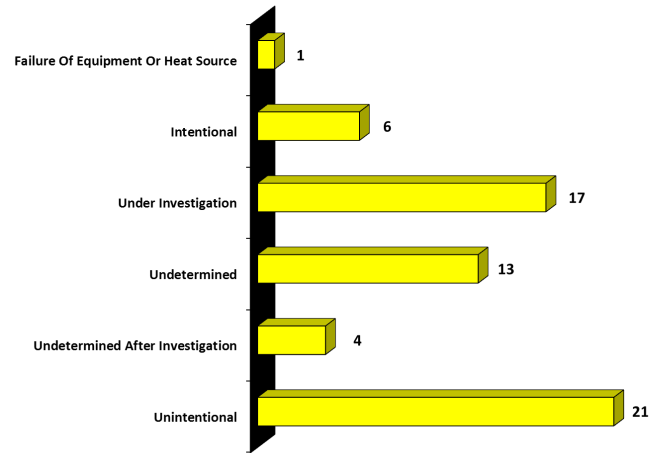
Picture courtesy of Bill Tompkins:
Fair Lawn, New Jersey; November 24, 2015

CIVILIAN FIRE FATALITIES

Specific Causes Of Fatal Fires Per Fire Incident

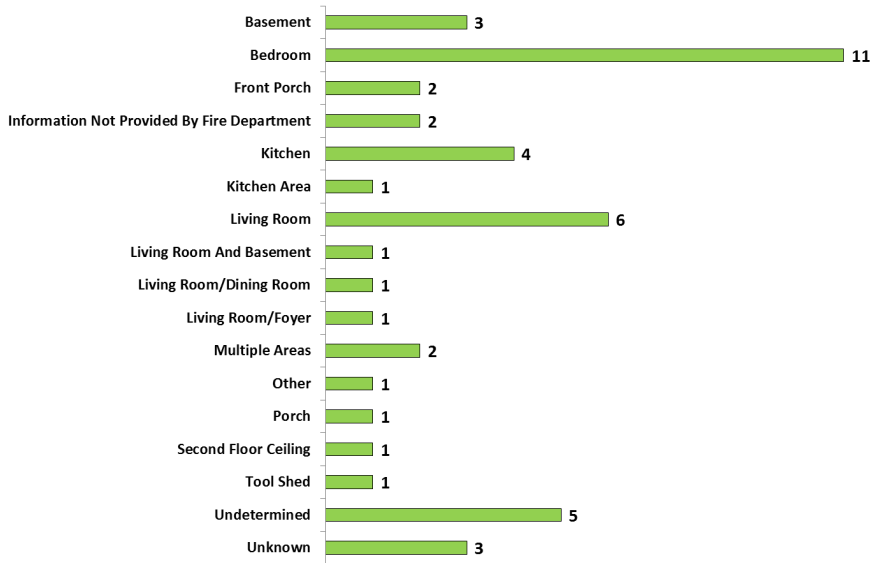


Cause Of Ignition Of Fatal Fires Per Fire Incident



Room Of Origin Per Fire Incident

Residential Property Uses



Picture courtesy of Bill Tompkins:
Totowa, New Jersey; May 10, 2015

Specific Causes Of Fatal Fires By Room Of Origin Per Fire Incident

Cause of Fire	Room Of Origin																Total	
	Basement	Bedroom	Front Porch	Information Not Provided By Fire Department	Kitchen	Kitchen Area	Living Room	Living Room And Basement	Living Room/Dining Room	Living Room/Foyer	Multiple Areas	Other	Porch	Second Floor Ceiling	Tool Shed	Undetermined		Unknown
Careless Cooking					1													1
Careless Smoking		2					3										1	6
Electrical		1			1									1				3
Incendiary								1				2						3
Other		1																1
Space Heater		1																1
Spilled Gasoline Fumes Ignited By Hot Water Heater	1																	1
Suicide	1						1											2
Under Investigation	1		2				2		1								2	8
Undetermined		6		2	2	1	2			1		1		1		5		19
Undetermined After Investigation													1					1
Total	3	11	2	2	4	1	6	1	1	1	2	1	1	1	1	5	3	46

CIVILIAN FIRE FATALITIES

Detector Presence By Residential Property Use Per Fire Incident					
Property Use	None Present	Present	Undetermined	Unknown	Total
Condominium		1			1
Multifamily Dwelling	5	10	1	1	17
Single Family Dwelling	11	8	6	3	28
Total	16	19	7	4	46

Detector Operation When Present By Residential Property Use Per Fire Incident					
Property Use	Detector Did Not Operate	Detector Operated	Information Not Provided By Fire Department	Unknown	Total
Condominium				1	1
Multifamily Dwelling	1	7	1	1	10
Single Family Dwelling	1	5	1	1	8
Total	2	12	2	3	19

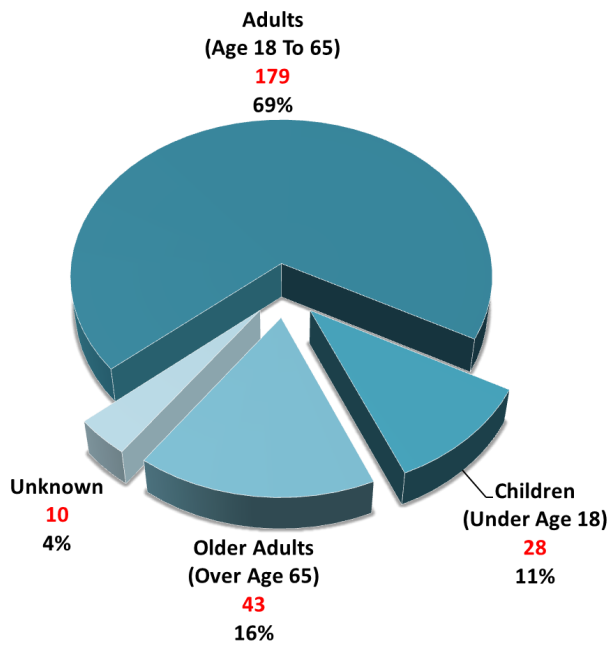
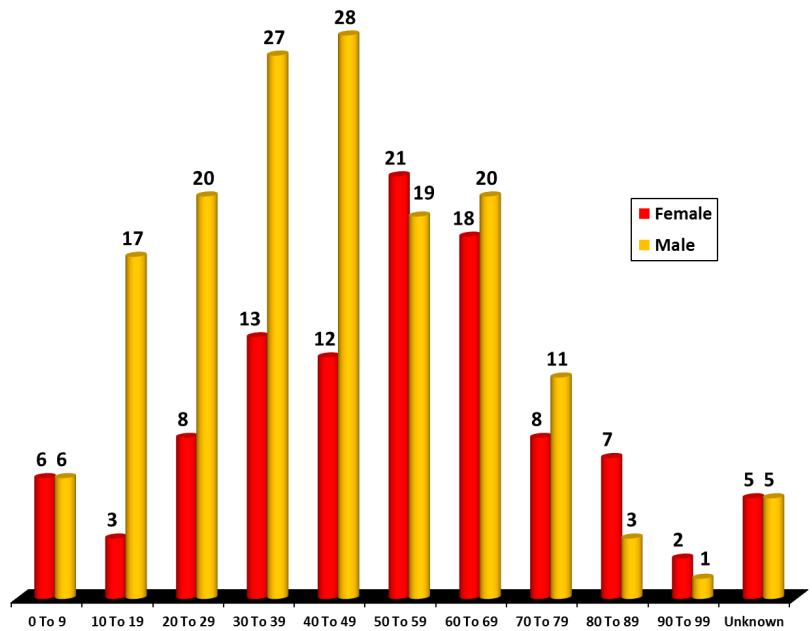
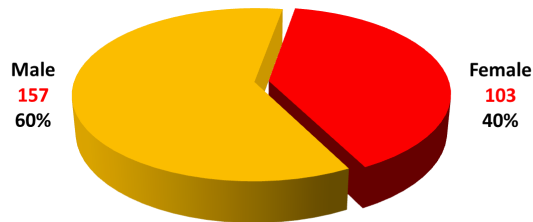


Picture courtesy of Bill Tompkins:
Little Falls, New Jersey; May 5, 2015

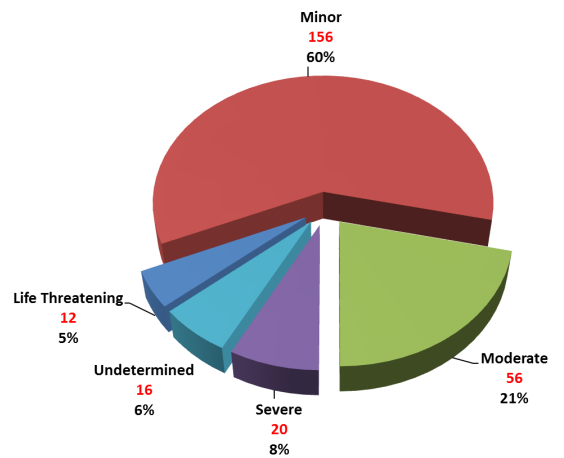
Fire Incidents Resulting In Multiple Civilian Fire Fatalities

Date	Alarm Time	Municipality	County	Age	Gender	Cause of Fire	Property Use	Room of Origin	Detector Presence	Detector Operation
2/1/15	21:55	Elizabeth	Union	85	Male	Under Investigation	Multifamily Dwelling	Front Porch	None Present	Not Applicable
2/1/15	21:55	Elizabeth	Union	65	Female	Under Investigation	Multifamily Dwelling	Front Porch	None Present	Not Applicable
2/20/15	20:36	Orange	Essex	1	Male	Undetermined	Single Family Dwelling	Undetermined	Undetermined	Undetermined
2/20/15	20:36	Orange	Essex	6	Female	Undetermined	Single Family Dwelling	Undetermined	Undetermined	Undetermined
4/15/15	23:45	Laurence Harbor	Middlesex	72	Male	Careless Smoking	Single Family Dwelling	Unknown	None Present	Not Applicable
4/15/15	23:45	Laurence Harbor	Middlesex	70	Female	Careless Smoking	Single Family Dwelling	Unknown	None Present	Not Applicable
5/27/15	4:48	Borough of Manville	Somerset	80	Female	Under Investigation	Single Family Dwelling	Basement	None Present	Not Applicable
5/27/15	4:48	Borough of Manville	Somerset	53	Female	Under Investigation	Single Family Dwelling	Basement	None Present	Not Applicable
7/11/15	1:36	Rockaway Twp	Morris	24	Male	Undetermined	Vehicle	Not Applicable	Not Applicable	Not Applicable
7/11/15	1:36	Rockaway Twp	Morris	21	Female	Undetermined	Vehicle	Not Applicable	Not Applicable	Not Applicable
7/11/15	1:36	Rockaway Twp	Morris	18	Female	Undetermined	Vehicle	Not Applicable	Not Applicable	Not Applicable
7/11/15	3:37	Bayonne	Hudson	65	Female	Undetermined	Multifamily Dwelling	Undetermined	Unknown	Unknown
7/11/15	3:37	Bayonne	Hudson	64	Male	Undetermined	Multifamily Dwelling	Undetermined	Unknown	Unknown
9/1/15	23:49	Long Branch	Monmouth	29	Female	Incendiary	Multifamily Dwelling	Multiple Areas	Present	Information Not Provided By Fire Department
9/1/15	23:49	Long Branch	Monmouth	35	Male	Incendiary	Multifamily Dwelling	Multiple Areas	Present	Information Not Provided By Fire Department
9/1/15	23:49	Long Branch	Monmouth	7	Male	Incendiary	Multifamily Dwelling	Multiple Areas	Present	Information Not Provided By Fire Department
9/1/15	23:49	Long Branch	Monmouth	4	Male	Incendiary	Multifamily Dwelling	Multiple Areas	Present	Information Not Provided By Fire Department
10/16/15	22:51	Pleasantville	Atlantic	74	Female	Under Investigation	Single Family Dwelling	Living Room	None Present	Not Applicable
10/16/15	22:51	Pleasantville	Atlantic	48	Female	Under Investigation	Single Family Dwelling	Living Room	None Present	Not Applicable
11/11/15	7:56	Elizabeth	Union	30	Female	Under Investigation	Multifamily Dwelling	Unknown	Present	Detector Operated
11/11/15	7:56	Elizabeth	Union	24	Male	Under Investigation	Multifamily Dwelling	Unknown	Present	Detector Operated
11/11/15	7:56	Elizabeth	Union	13	Male	Under Investigation	Multifamily Dwelling	Unknown	Present	Detector Operated
11/11/15	7:56	Elizabeth	Union	35	Female	Under Investigation	Multifamily Dwelling	Unknown	Present	Detector Operated
11/23/15	23:52	Fair Lawn	Bergen	67	Female	Space Heater	Single Family Dwelling	Bedroom	Present	Detector Operated
11/23/15	23:52	Fair Lawn	Bergen	60	Female	Space Heater	Single Family Dwelling	Bedroom	Present	Detector Operated

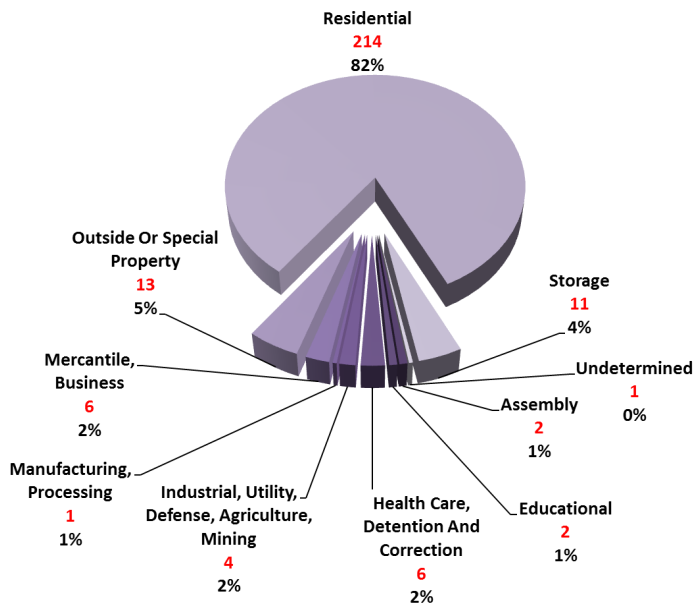
CIVILIAN FIRE INJURIES



Severity Of Civilian Fire Injuries

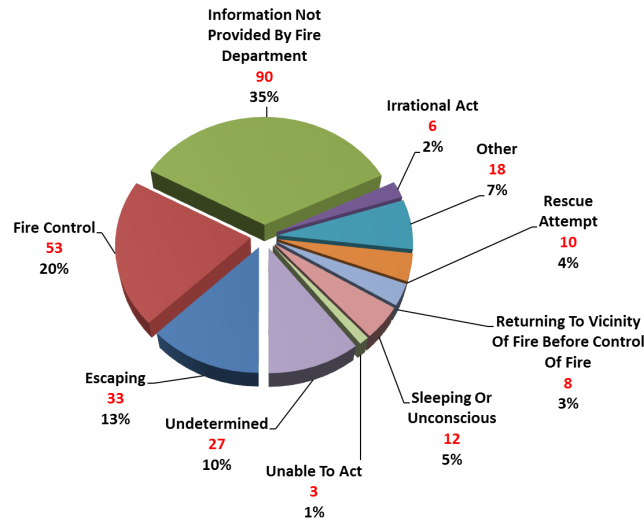


Civilian Fire Injuries By Property Use Category

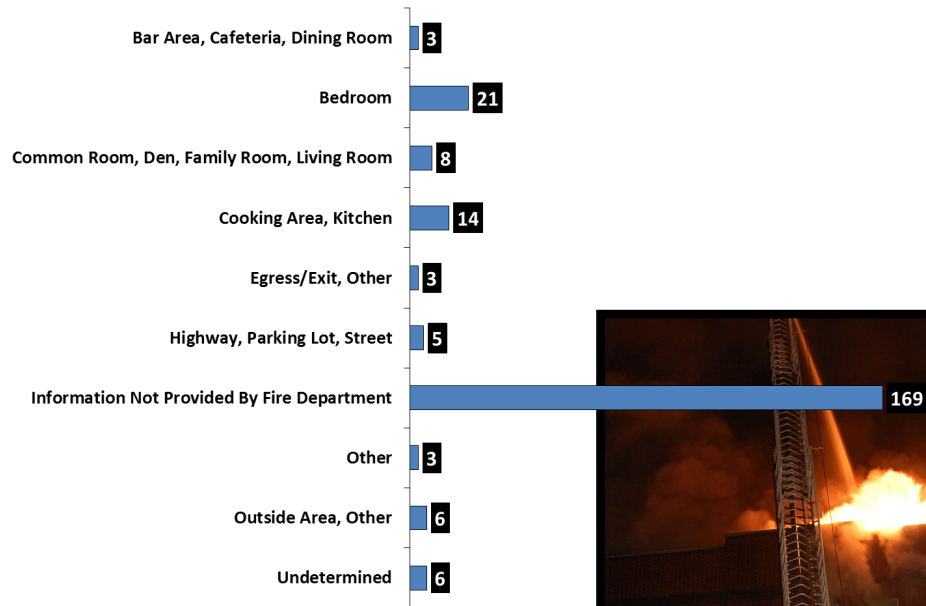


CIVILIAN FIRE INJURIES

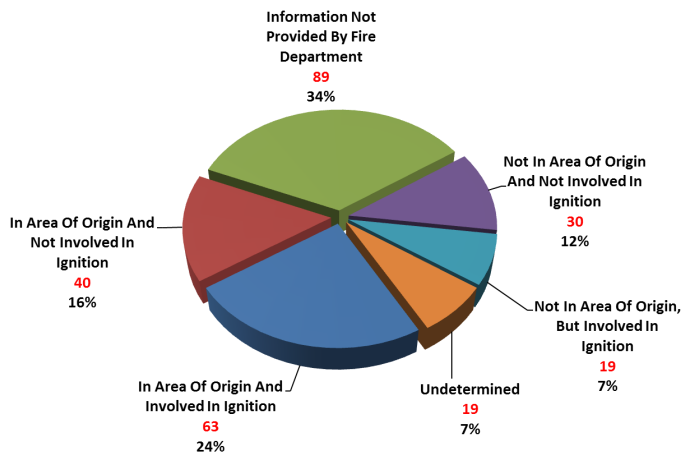
Activity Of Civilians When Fire Injuries Occurred



Most Frequent Specific Location Of Civilians At Time Of Injury



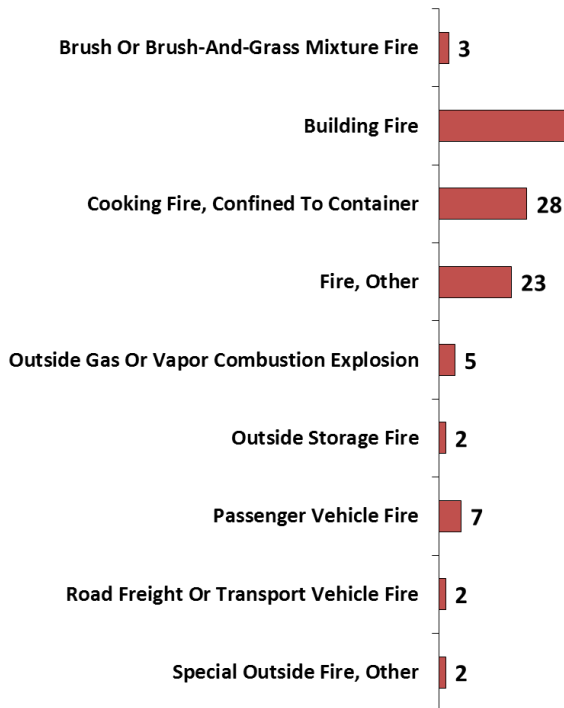
Location Of Injured Civilian At Time Of Fire Incident



Picture courtesy of Chris Tompkins:
Passaic, New Jersey; October 21, 2015

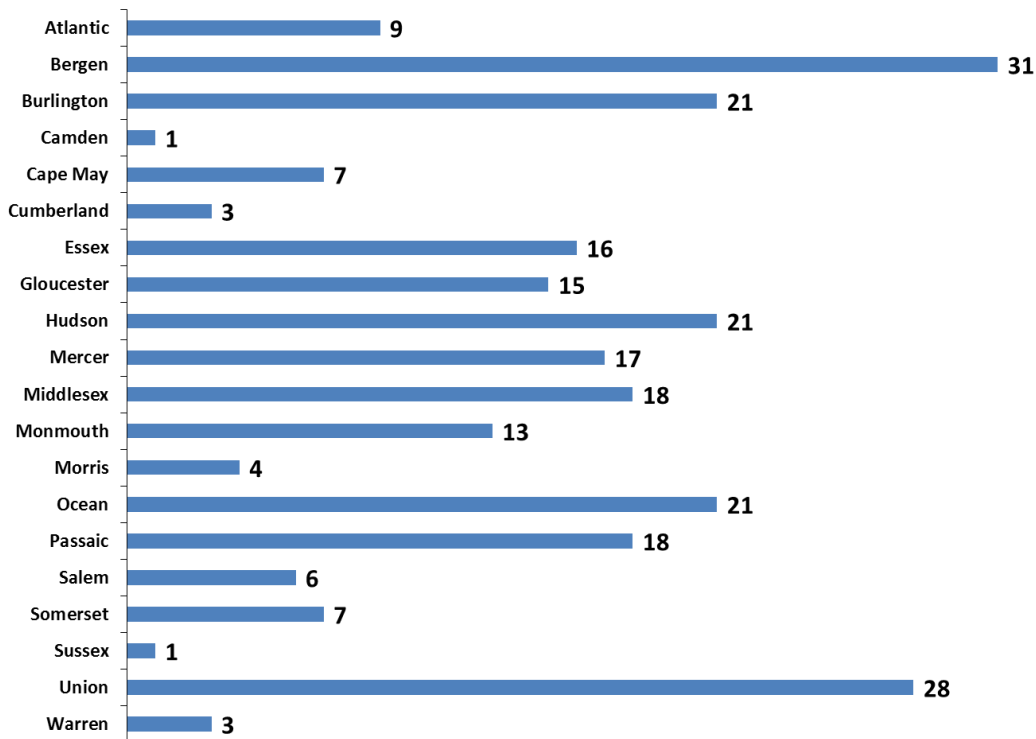
CIVILIAN FIRE INJURIES

Most Frequent Fire Incidents Resulting In Civilian Fire Injuries



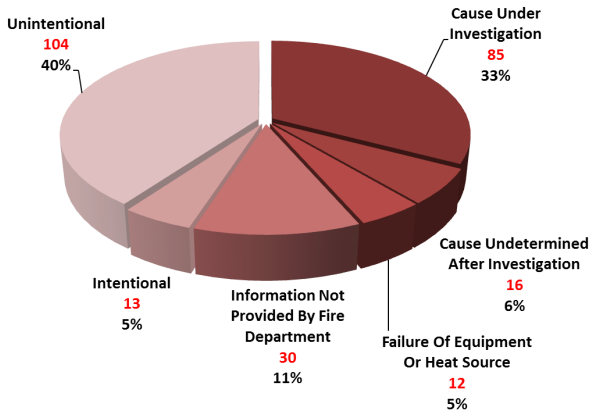
Picture courtesy of Bill Tompkins:
Secaucus, New Jersey; December 25, 2015

Civilian Fire Injuries By County

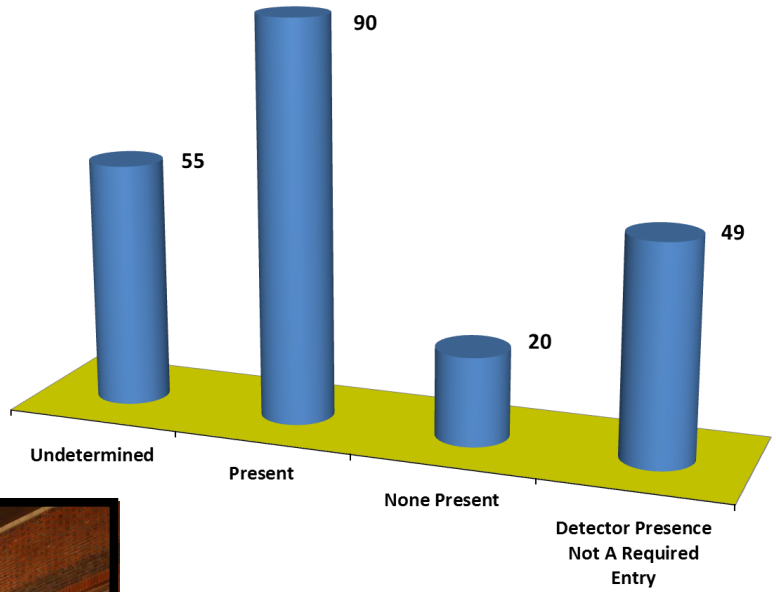


CIVILIAN FIRE INJURIES

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



**Presence Of Detectors In Residential Property Uses
When Civilian Fire Injuries Occurred**



Picture courtesy of Bill Tompkins:
Passaic, New Jersey; October 21, 2015

Structure Type	Civilian Fire Injuries
Enclosed Building	181
Information Not Provided By Fire Department	24
Other	5
Portable Or Mobile Structure	1
Structure Type Not A Required Entry	49
Total	260



Building Status Of Enclosed Buildings	Civilian Fire Injuries
Being Demolished	6
Idle, Not Routinely Used	2
Occupied And Operating	168
Under Major Renovation	3
Undetermined	1
Vacant And Unsecured	1
Total	181

CIVILIAN FIRE INJURIES

Most Frequent Area Of Fire Origin When Civilian Fire Injuries Occurred						
Non-Residential Property Uses	Area Of Fire Origin	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
		Cooking Area, Kitchen	1	1		
	Engine Area, Running Gear, Wheel Area	5				5
	Equipment Or Service Area, Other	2				2
	Laundry Area, Wash House (Laundry)	2				2
	Operator/Passenger Area Of Transportation Equipment	1		1		2
	Other	2				2
	Outside Area, Other	4				4
	Undetermined	5				5
	Vehicle Area, Other	2				2
	Vehicle Storage Area; Garage, Carport	9			1	10



Picture courtesy of Chris Tompkins:
Passaic, New Jersey; October 21, 2015

Most Frequent Area Of Fire Origin When Civilian Fire Injuries Occurred						
Residential Property Uses	Area Of Fire Origin	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
		Bedroom - < 5 Persons; Included Are Jail Or Prison	21	5	9	5
	Ceiling & Floor Assembly, Crawl Space Between Stories	3		2		5
	Common Room, Den, Family Room, Living Room, Lounge	14	1	5	1	21
	Cooking Area, Kitchen	24	6	8		38
	Exterior Balcony, Unenclosed Porch	2		2	1	5
	Information Not Provided By Fire Department	18	2	2		22
	Laundry Area, Wash House (Laundry)	6	1	2		9
	Other	7	2	1		10
	Outside Area, Other	3	1	1		5
	Undetermined	15	7	1	1	24

CIVILIAN FIRE INJURIES

Non-Residential Property Uses	Most Frequent Item First Ignited When Civilian Fire Injuries Occurred					
	Item First Ignited	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
	Atomized Liquid, Vaporized Liquid, Aerosol	2				2
	Flammable Liquid/Gas - Uncontained	2				2
	Soft Goods, Wearing Apparel, Other	2				2
	Undetermined	22	2		1	25
	Wearing Apparel On A Person			2		2

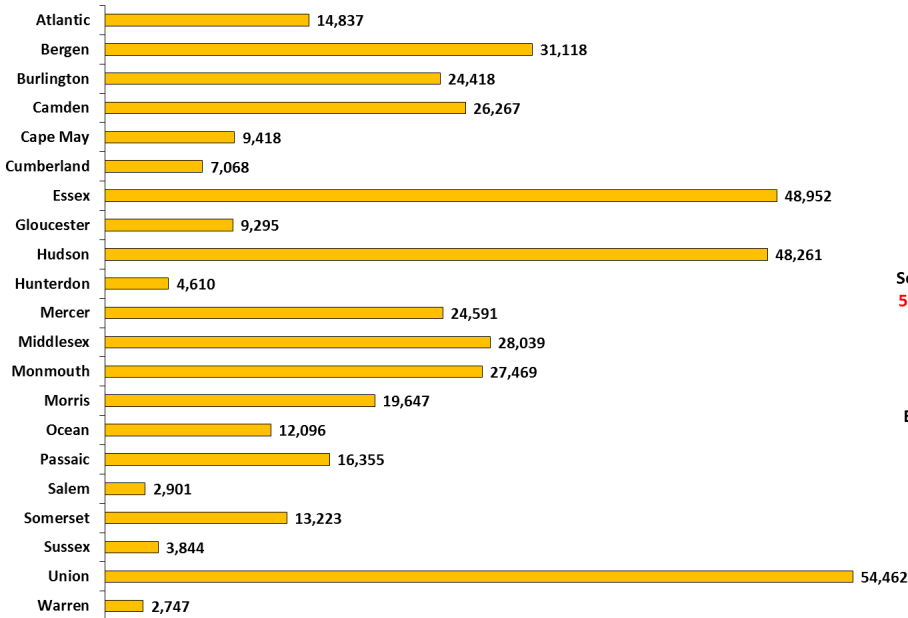
Residential Property Uses	Most Frequent Item First Ignited When Civilian Fire Injuries Occurred					
	Item First Ignited	Adults (Age 18 To 65)	Children (Under Age 18)	Older Adults (Over Age 65)	Unknown	Total
	Bedding; Blanket, Sheet, Comforter	1	1	4		6
	Cooking Materials, Including Edible Materials	7	2	4		13
	Electrical Wire, Cable Insulation	3	1	1		5
	Exterior Wall Covering Or Finish	4			1	5
	Item First Ignited, Other	7	3	3		13
	Light Vegetation - Not Crop, Including Grass	5				5
	Mattress, Pillow	7			1	8
	Undetermined	48	14	14	6	82
	Upholstered Sofa, Chair, Vehicle Seats	10		1		11

Primary Apparent Symptoms 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
Abrasion	2				2
Breathing Difficulty Or Shortness Of Breath	5	2	3		10
Burn, Scald	6		2		8
Burns And Smoke Inhalation	18	2	8	1	29
Burns Only, Thermal	25	6	5		36
Cardiac Symptoms	2				2
Contusion/Bruise, Minor Trauma			1		1
Cut Or Laceration	5				5
Emotional/Psychological Stress	1				1
Exhaustion/Fatigue, Including Heat Exhaustion	1				1
Frostbite	2	1			3
Hazardous Fumes Inhalation	7		1		8
Information Not Provided By Fire Department	55	7	12	5	79
None	2		1		3
Primary Apparent Symptom, Other		1			1
Smoke Inhalation	46	9	9	3	67
Strain Or Sprain	1			1	2
Unconscious	1				1
Undetermined			1		1
Total	179	28	43	10	260

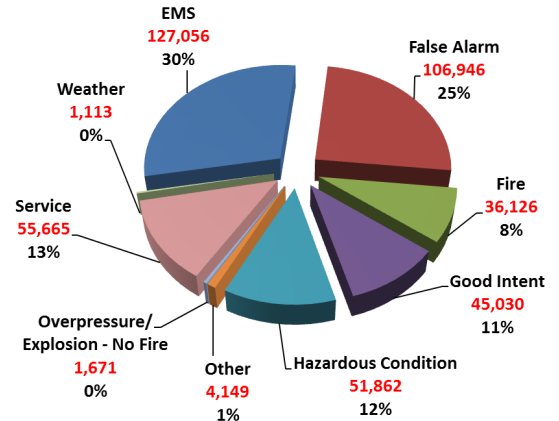
FIRE DEPARTMENT RESPONSES

The two charts below represent the number of incidents that fire departments responded to in 2015. Totals include “aid given” and “aid received” incidents.

Total Incident Responses By County



Incident Type Summary



COUNTY STATS

	LAND AREA, SQUARE MILES	TOTAL 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	244,224	866	3.5
Bergen	234.17	70	905,116	62	804,558	2,562	3.1
Burlington	804.57	46	448,734	40	423,159	1,151	2.7
Camden	222.30	41	513,657	37	478,008	1,586	3.3
Cape May	255.19	26	97,265	23	92,856	466	5.0
Cumberland	489.30	21	156,898	19	154,100	552	3.5
Essex	126.27	21	783,969	21	783,969	3,252	4.1
Gloucester	324.72	34	288,288	26	234,643	707	3.0
Hudson	46.69	8	634,266	8	634,266	2,855	4.5
Hunterdon	429.94	27	128,349	23	89,552	309	3.4
Mercer	225.93	20	366,513	19	352,930	1,784	5.0
Middlesex	309.72	48	809,858	44	754,516	2,398	3.1
Monmouth	471.94	69	630,380	60	575,204	1,758	3.0
Morris	468.99	54	492,276	51	446,549	1,050	2.3
Ocean	636.28	43	576,567	31	386,442	1,111	2.8
Passaic	185.29	23	501,226	22	492,908	1,457	2.9
Salem	337.88	19	66,083	16	57,733	221	3.8
Somerset	304.69	36	323,444	28	250,645	654	2.6
Sussex	521.26	27	149,265	24	129,885	322	2.4
Union	103.29	21	536,499	19	527,114	2,082	3.9
Warren	357.87	22	108,692	19	97,434	266	2.7
TOTAL	7,417.36	718	8,791,894	625	8,010,695	27,409	

* 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

24 of 27 fire departments submitted data.
3,844 responses were made to
3,109 incidents.

Morris County

Population: 492,276

51 of 54 fire departments submitted data.
19,647 responses were made to
16,838 incidents.

Passaic County

Population: 501,226

22 of 23 fire departments submitted data.
16,355 responses were made to
14,793 incidents.

Bergen County

Population: 905,116

62 of 70 fire departments submitted data.
31,118 responses were made to
29,260 incidents.

Warren County

Population: 108,692

19 of 22 fire departments submitted data.
2,747 responses were made to
1,988 incidents.

Hudson County

Population: 634,266

8 of 8 fire departments submitted data.
48,261 responses were made to
47,730 incidents.

Hunterdon County

Population: 128,349

23 of 27 fire departments submitted data.
4,610 responses were made to
2,613 incidents.

Essex County

Population: 783,969

21 of 21 fire departments submitted data.
48,952 responses were made to
45,926 incidents.

Somerset County

Population: 323,444

28 of 36 fire departments submitted data.
13,223 responses were made to
9,571 incidents.

Union County

Population: 536,499

19 of 21 fire departments submitted data.
54,462 responses were made to
52,386 incidents.

Mercer County

Population: 366,513

19 of 20 fire departments submitted data.
24,591 responses were made to
19,538 incidents.

Middlesex County

Population: 809,858

44 of 48 fire departments submitted data.
28,039 responses were made to
24,446 incidents.

Burlington County

Population: 448,734

40 of 46 fire departments submitted data.
24,418 responses were made to
17,362 incidents.

Monmouth County

Population: 630,380

60 of 69 fire departments submitted data.
27,469 responses were made to
23,986 incidents.

Camden County

Population: 513,657

37 of 41 fire departments submitted data.
26,267 responses were made to
20,584 incidents.

Ocean County

Population: 576,567

31 of 43 fire departments submitted data.
12,096 responses were made to
10,526 incidents.

Gloucester County

Population: 288,288

26 of 34 fire departments submitted data.
9,295 responses were made to
7,167 incidents.

Atlantic County

Population: 274,549

33 of 42 fire departments submitted data.
14,837 responses were made to
12,934 incidents.

Salem County

Population: 66,083

16 of 19 fire departments submitted data.
2,901 responses were made to
1,731 incidents.

Cumberland County

Population: 156,898

19 of 21 fire departments submitted data.
7,068 responses were made to
6,009 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		277	73	133	37	1,650	2,170
	February	2	242	53	94	29	1,514	1,934
	March	1	290	167	178	36	1,479	2,151
	April	7	272	903	344	63	1,419	3,008
	May	7	304	1,450	475	114	1,440	3,790
	June	5	303	206	212	62	1,128	1,916
	July	1	280	348	267	69	1,146	2,111
	August	6	277	764	314	71	1,053	2,485
	September	4	270	636	279	42	1,040	2,271
October	1	232	192	181	41	1,179	1,826	
November	1	252	273	218	43	1,307	2,094	
December		222	110	125	37	1,159	1,653	
Total	35	3,221	5,175	2,820	644	15,514	27,409	

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	114	3	805	135	1	69	1,127
	February	90	2	742	134	4	71	1,043
	March	73	3	781	80	5	65	1,007
	April	22	2	779	38	2	103	946
	May	9	4	705	17	2	131	868
	June	8	1	673	10	1	66	759
	July	9	2	613	14	1	98	737
	August	4	1	581	7	4	109	706
	September	8	1	600	16	1	90	716
October	33	2	660	85	2	74	856	
November	34	4	778	66	3	77	962	
December	33	2	716	50	5	54	860	
Total	437	27	8,433	652	31	1,007	10,587	

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	53	34	33	6		8	87	2	3	32	1,358	24	10	1,650
	February	59	28	30	8	1	7	95	1	3	18	1,232	25	7	1,514
	March	59	31	26	8		7	86	2	3	32	1,203	18	4	1,479
	April	52	23	31	4		7	63	3	4	63	1,139	22	8	1,419
	May	58	20	30	4	1	10	79		6	96	1,090	39	7	1,440
	June	41	22	25	8		11	51	3	6	42	894	18	7	1,128
	July	47	11	23	2		13	72	3	5	76	865	20	9	1,146
	August	42	16	16	1		8	58	1	3	73	803	21	11	1,053
	September	44	21	27	4		7	53	1	7	46	803	21	6	1,040
October	47	17	25	2		6	71	1	6	33	951	12	8	1,179	
November	37	21	27	6	1	8	52	4	3	40	1,088	15	5	1,307	
December	35	11	25	1		6	65	2		29	955	20	10	1,159	
Total	574	255	318	54	3	98	832	23	49	580	12,381	255	92	15,514	

Confined 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	39	25	27			3	52		3	21	945	3	9	1,127
	February	43	20	20	2		1	55		2	13	875	8	4	1,043
	March	42	28	20	1		1	46		1	23	839	4	2	1,007
	April	38	17	26	2		2	30	1	2	45	772	5	6	946
	May	40	14	19	1	1	3	24		1	65	690	5	5	868
	June	20	15	16	4		1	26	2	2	27	638	2	6	759
	July	38	8	16	1		4	37	2	1	49	572	3	6	737
	August	31	11	12	1		3	39	1	1	47	548	4	8	706
	September	30	19	21			3	27	1	4	29	574	4	4	716
October	34	13	21			1	40	1	1	22	713	3	7	856	
November	24	17	20	1	1	3	32	1	1	30	828	1	3	962	
December	28	9	24			1	38	1		15	728	7	9	860	
Total	407	196	242	13	2	26	446	10	19	386	8,722	49	69	10,587	

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	421	396	368	361	430	286	309	246	231	247	247	244	3,786
Chimney Or Flue Fire, Confined To Chimney Or Flue	114	90	73	22	9	8	9	4	8	33	34	33	437
Commercial Compactor Fire, Confined To Rubbish	3	2	3	2	4	1	2	1	1	2	4	2	27
Cooking Fire, Confined To Container	805	742	781	779	705	673	613	581	600	660	778	716	8,433
Fire In Mobile Home Used As Fixed Residence	1	2	2	1	4	1			1	2	5		19
Fire In Mobile Property Used As A Fixed Structure, Other	3	1		1			1	1	1		1		9
Fire In Motor Home, Camper, Recreational Vehicle			2		1		1		1			1	6
Fire In Portable Building, Fixed Location	1	2	1	1	1		1	5	1	2	1		16
Fire, Other	66	57	81	84	101	65	83	76	62	66	78	41	860
Fires In Structure Other Than In A Building	31	13	18	25	35	17	14	19	27	5	12	13	229
Fuel Burner/Boiler Malfunction, Fire Confined	135	134	80	38	17	10	14	7	16	85	66	50	652
Incinerator Overload Or Malfunction, Fire Confined	1	4	5	2	2	1	1	4	1	2	3	5	31
Structure Fire, Other (Conversion Only)										1	1		2
Trash Or Rubbish Fire, Contained	69	71	65	103	131	66	98	109	90	74	77	54	1,007
Total	1,650	1,514	1,479	1,419	1,440	1,128	1,146	1,053	1,040	1,179	1,307	1,159	15,514

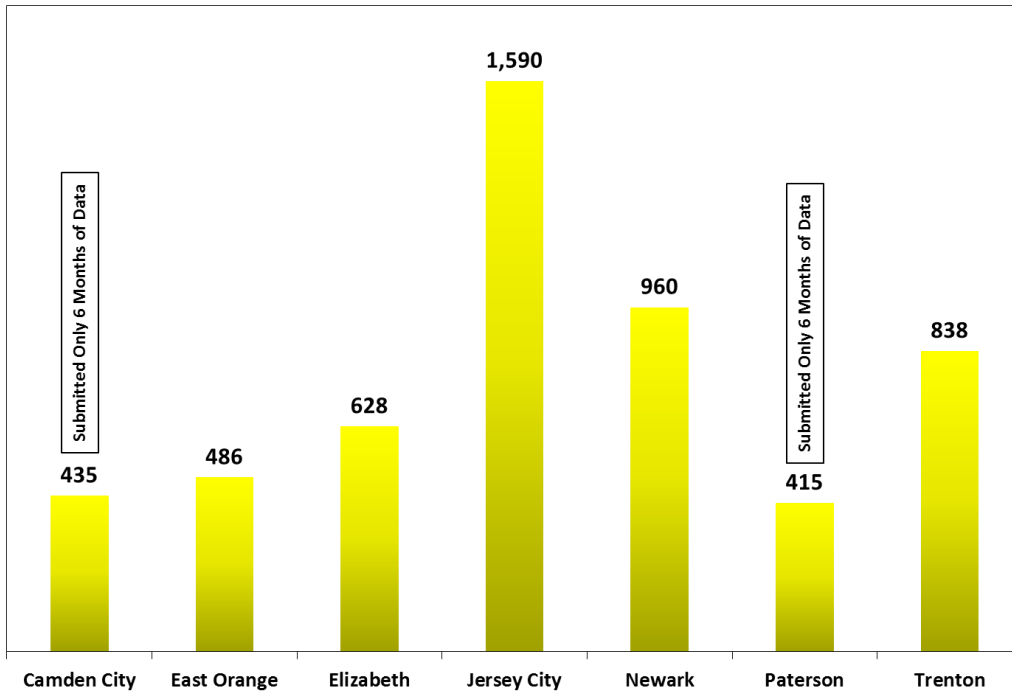


Picture courtesy of Paul Allen:
Tabernacle, New Jersey; April 17, 2015

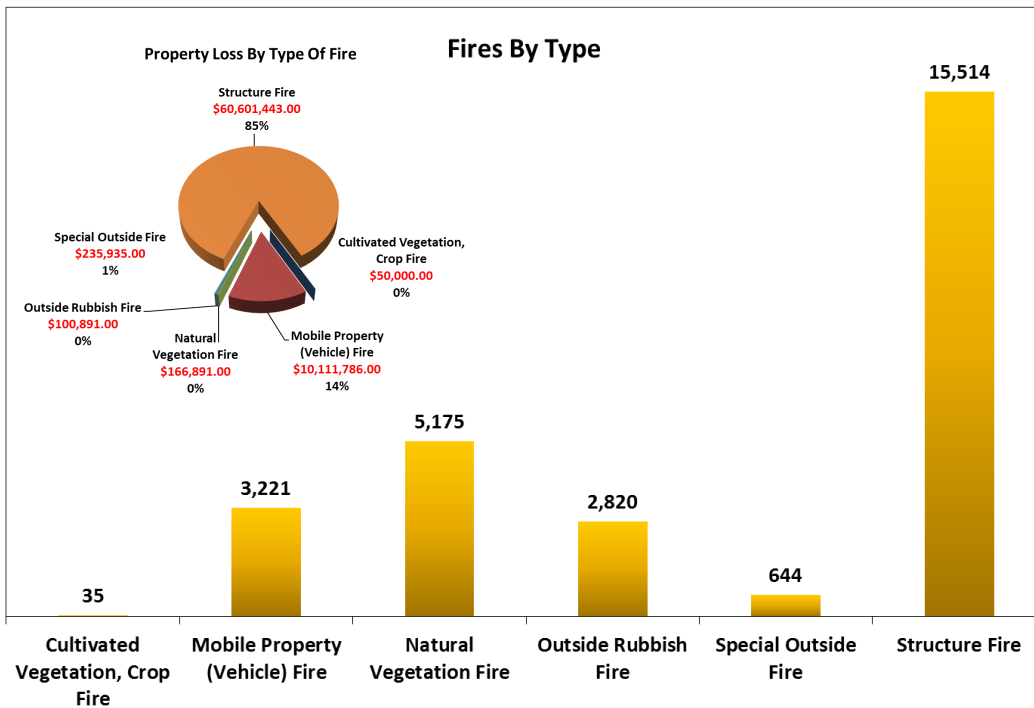
Month	Fire		Civilian		Property Loss	Contents Loss
	Total Fires	Service Injuries	Civilian Fire Fatalities	Civilian Fire Injuries		
January	2,170	59	7	23	\$7,262,276.00	\$2,370,232.00
February	1,934	73	9	35	\$6,612,255.00	\$2,286,269.00
March	2,151	59	6	18	\$10,165,522.00	\$3,179,068.00
April	3,008	61	11	28	\$7,569,216.00	\$2,619,966.00
May	3,790	111	7	37	\$7,418,911.00	\$1,674,780.00
June	1,916	35	2	16	\$3,111,894.00	\$1,696,167.00
July	2,111	46	6	22	\$5,614,301.00	\$3,776,915.00
August	2,485	38	3	18	\$6,177,424.00	\$3,512,155.00
September	2,271	50	5	8	\$6,109,672.00	\$962,023.00
October	1,826	40	8	22	\$3,678,854.00	\$647,793.00
November	2,094	46	10	13	\$3,966,003.00	\$1,701,344.00
December	1,653	30	3	20	\$3,580,618.00	\$1,464,437.00
Total	27,409	648	77	260	\$71,266,946.00	\$25,891,149.00

FIRE INCIDENTS

Cities With Over 400 Fire Incidents



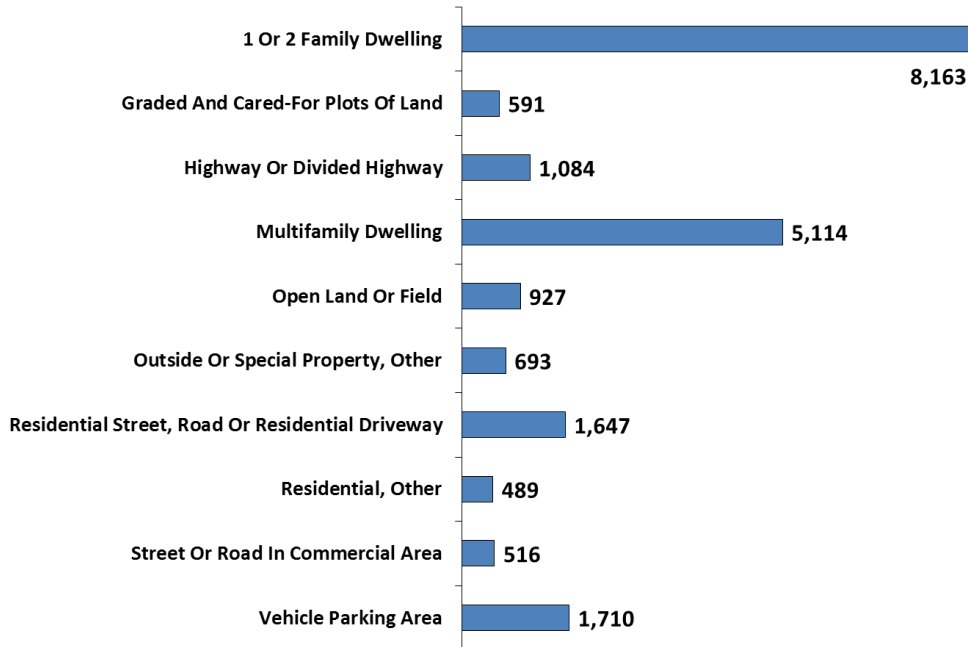
INCIDENT TYPES	2010	2011	2012	2013	2014	2015
	FIRE DEPARTMENTS SUBMITTED DATA	FIRE DEPARTMENTS SUBMITTED DATA	FIRE DEPARTMENTS SUBMITTED DATA	FIRE DEPARTMENTS SUBMITTED DATA	FIRE DEPARTMENTS SUBMITTED DATA	FIRE DEPARTMENTS SUBMITTED DATA
Structure Fires	16,477	15,291	14,443	14,096	16,557	15,514
Vehicle Fires	3,581	3,138	2,522	2,728	3,395	3,221
All Other Fires	10,783	7,119	7,755	6,579	7,534	8,674
TOTAL FIRES	30,841	25,548	24,720	23,403	27,486	27,409



FIRE INCIDENTS

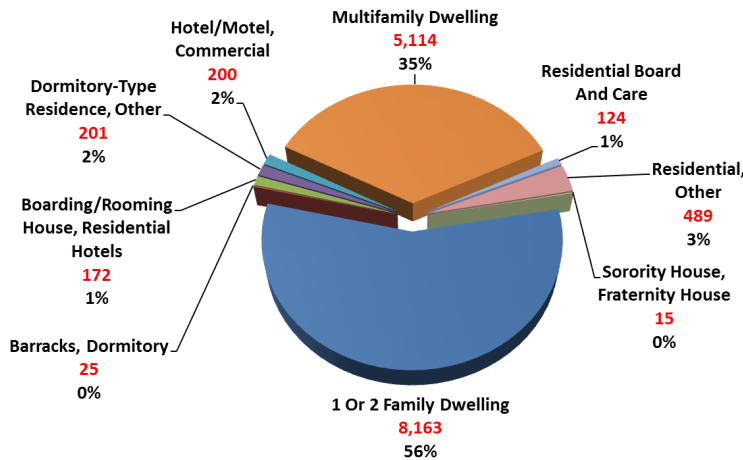
Property Use Category	Cultivated Vegetation, Crop Fire	Mobile Property (Vehicle) Fire	Natural Vegetation Fire	Outside Rubbish Fire	Special Outside Fire	Structure Fire	Total
Assembly	3	30	222	121	27	574	977
Educational	1	19	44	32	7	255	358
Health Care, Detention, And Correction	1	10	56	25	2	318	412
Industrial, Utility, Defense, Agriculture, Mining	8	20	95	13	18	54	208
Information Not Provided By Fire Department						3	3
Manufacturing, Processing		5	12	27	6	98	148
Mercantile, Business		165	504	210	35	832	1,746
None		55	32	16	7	23	133
Other		27	33	11	3	49	123
Outside Or Special Property	15	2,637	3,228	1,422	240	580	8,122
Residential	7	152	833	866	264	12,381	14,503
Storage		85	70	53	31	255	494
Undetermined		16	46	24	4	92	182
Total	35	3,221	5,175	2,820	644	15,514	27,409

Most Frequent Property Uses Involving Fire Incidents By Specific Property Use



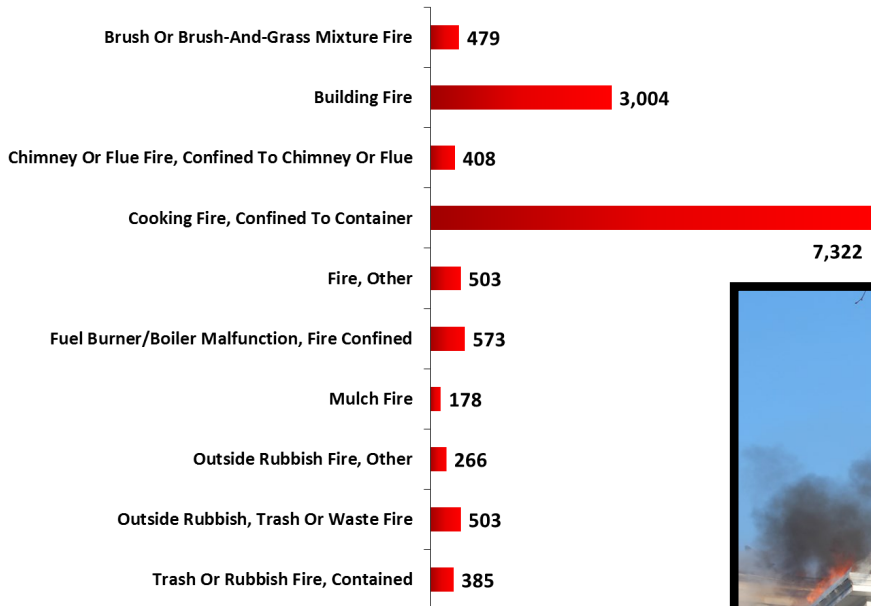
Picture courtesy of Ron Jeffers:
East Newark, New Jersey; July 28, 2015

Residential Property Use Fires



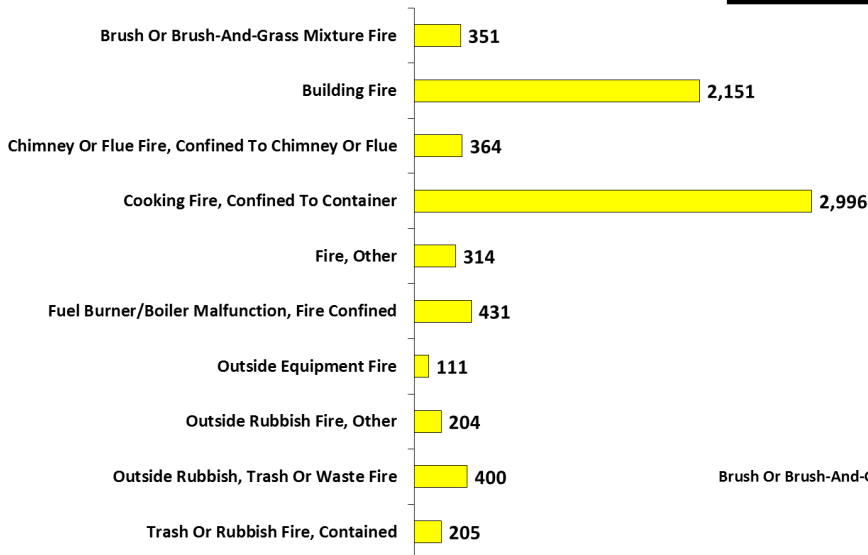
FIRE INCIDENTS

Most Frequent Fire Incident Types Involving Residential Property Uses

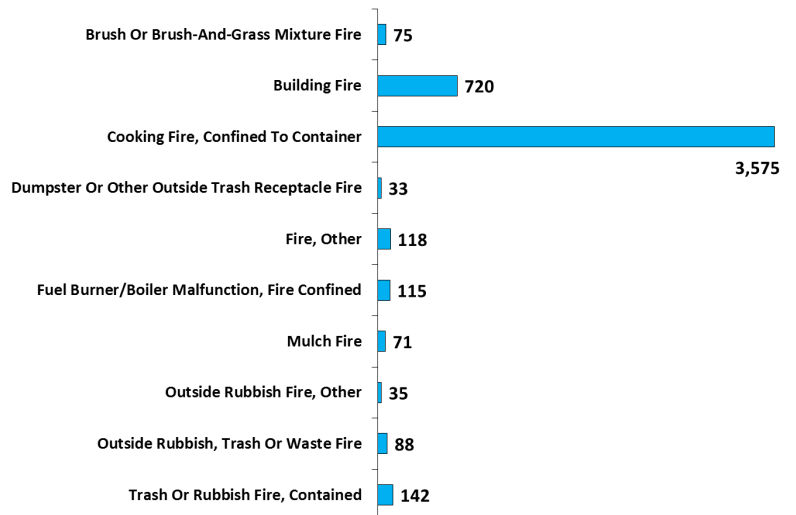


Picture courtesy of Ron Jeffers:
Passaic, New Jersey; January 10, 2015

Most Frequent Fire Incident Types Involving 1 Or 2 Family Dwellings



Most Frequent Fire Incident Types Involving Multifamily Dwellings



STRUCTURE FIRE INCIDENTS

County	Total Fires	Structure Fires	Acres Burned	Property Loss	Contents Loss
Atlantic	866	463	5	\$3,224,333.00	\$852,570.00
Bergen	2,562	1,601	3	\$6,846,160.00	\$2,153,483.00
Burlington	1,151	437	1,742	\$6,798,307.00	\$3,349,027.00
Camden	1,586	808	12	\$1,780,062.00	\$629,657.00
Cape May	466	274	2	\$3,147,600.00	\$432,910.00
Cumberland	552	284	13	\$2,270,884.00	\$2,500,750.00
Essex	3,252	2,116	8	\$6,971,967.00	\$2,870,138.00
Gloucester	707	297	129	\$3,162,320.00	\$1,237,700.00
Hudson	2,855	2,151	15	\$1,475,851.00	\$754,352.00
Hunterdon	309	128	37	\$309,700.00	\$25,900.00
Mercer	1,784	1,153	3	\$4,513,250.00	\$803,279.00
Middlesex	2,398	1,007	139	\$8,765,728.00	\$4,589,063.00
Monmouth	1,758	872	12	\$8,152,601.00	\$2,030,701.00
Morris	1,050	530	8	\$1,425,358.00	\$391,807.00
Ocean	1,111	551	130	\$433,201.00	\$40,106.00
Passaic	1,457	1,006	10	\$4,135,054.00	\$1,208,289.00
Salem	221	140	0	\$1,040,700.00	\$204,850.00
Somerset	654	269	36	\$472,948.00	\$120,398.00
Sussex	322	179	19	\$151,601.00	\$27,904.00
Union	2,082	1,123	12	\$5,621,322.00	\$1,593,465.00
Warren	266	125	17	\$567,999.00	\$74,800.00
Total	27,409	15,514	2,352	\$71,266,946.00	\$25,891,149.00

Property Use Category	Total Structure Fires	% Of Total	Property Loss	Contents Loss
Assembly	574	3.70%	\$5,222,769.00	\$1,304,148.00
Educational	255	1.64%	\$42,708.00	\$5,014.00
Health Care, Detention, And Correction	318	2.05%	\$36,921.00	\$29,626.00
Industrial, Utility, Defense, Agriculture, Mining	54	0.35%	\$235,010.00	\$340,010.00
Information Not Provided By Fire Department	3	0.02%	\$0.00	\$0.00
Manufacturing, Processing	98	0.63%	\$5,498,003.00	\$5,536,001.00
Mercantile, Business	832	5.36%	\$4,672,366.00	\$3,145,867.00
None	23	0.15%	\$109,750.00	\$82,750.00
Other	49	0.32%	\$31,001.00	\$6,101.00
Outside Or Special Property	580	3.74%	\$564,661.00	\$38,681.00
Residential	12,381	79.81%	\$42,839,247.00	\$13,696,939.00
Storage	255	1.64%	\$1,297,007.00	\$527,806.00
Undetermined	92	0.59%	\$52,000.00	\$11,000.00
Total	15,514	100.00%	\$60,601,443.00	\$24,723,943.00

STRUCTURE FIRE INCIDENTS

Residential Structure Fires				
Incident Type	Total	% Of	Property Loss	Contents Loss
	Structure	Total		
Building Fire	3,004	24.26%	\$41,877,005.00	\$13,232,491.00
Chimney Or Flue Fire, Confined To Chimney Or Flue	408	3.30%	\$51,501.00	\$14,201.00
Commercial Compactor Fire, Confined To Rubbish	14	0.11%	\$0.00	\$0.00
Cooking Fire, Confined To Container	7,322	59.14%	\$116,895.00	\$114,008.00
Fire In Mobile Home Used As Fixed Residence	18	0.15%	\$286,500.00	\$85,500.00
Fire In Motor Home, Camper, Recreational Vehicle	1	0.01%	\$3,500.00	\$1,500.00
Fire In Portable Building, Fixed Location	3	0.02%	\$0.00	\$0.00
Fire, Other	503	4.06%	\$164,304.00	\$62,563.00
Fires In Structure Other Than In A Building	129	1.04%	\$276,126.00	\$123,446.00
Fuel Burner/Boiler Malfunction, Fire Confined	573	4.63%	\$51,853.00	\$55,352.00
Incinerator Overload Or Malfunction, Fire Confined	20	0.16%	\$6,000.00	\$5,000.00
Structure Fire, Other (Conversion Only)	1	0.01%	\$0.00	\$0.00
Trash Or Rubbish Fire, Contained	385	3.11%	\$5,563.00	\$2,878.00
Total	12,381	100.00%	\$42,839,247.00	\$13,696,939.00



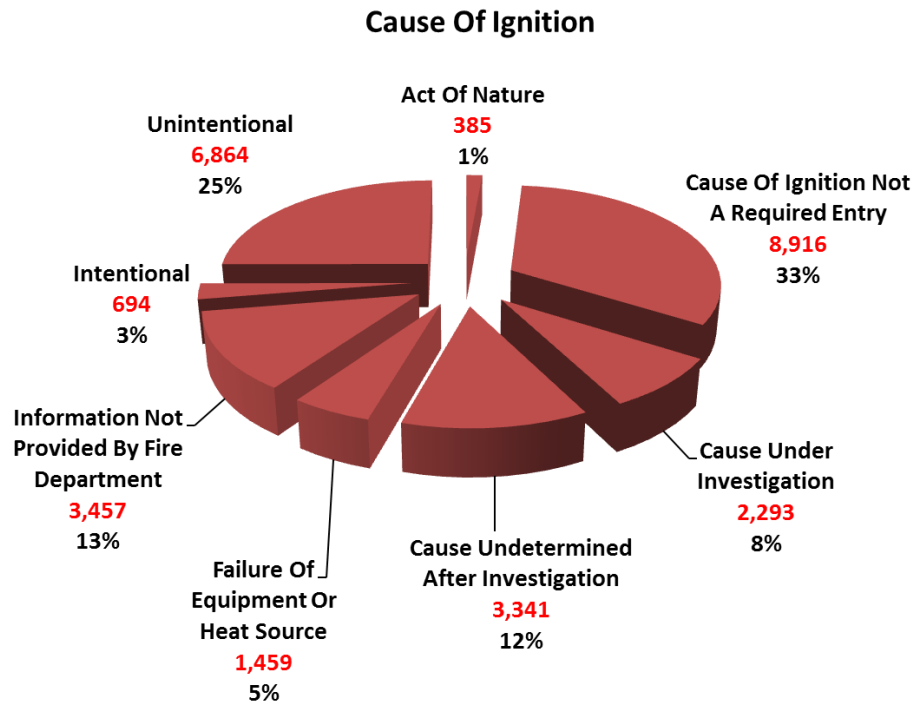
Picture courtesy of Bill Tompkins:
Lodi, New Jersey; October 20, 2015

Structure Type of Structure Fires	Total
Connective Structure	20
Enclosed Building	3,780
Information Not Provided By Fire Department	899
Open Platform	22
Open Structure	48
Other	248
Portable Or Mobile Structure	62
Structure Type Not A Required Entry	10,431
Tent	1
Underground Structure Work Areas	3
Total	15,514



Status Of Enclosed Building Structure Fires	Total
Being Demolished	11
Idle, Not Routinely Used	26
Illegal Residential Conversion	6
Occupied And Operating	3,301
Other	45
Overcrowding	3
Under Construction	50
Under Major Renovation	36
Undetermined	58
Vacant And Secured	128
Vacant And Unsecured	116
Total	3,780

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	19	329	59	123	54	124	23	246	977
Educational	2	170	26	31	26	37	10	56	358
Health Care, Detention, And Correction	4	211	17	24	21	27	11	97	412
Industrial, Utility, Defense, Agriculture, Mining	9	9	28	38	25	28	13	58	208
Information Not Provided By Fire Department		2	1						3
Manufacturing, Processing	3	22	19	17	22	28	5	32	148
Mercantile, Business	28	360	169	262	91	265	23	548	1,746
None	4	5	14	22	8	23	3	54	133
Other	1	12	7	14	9	32	7	41	123
Outside Or Special Property	220	256	705	1,911	604	1,549	302	2,575	8,122
Residential	72	7,439	1,123	792	560	1,220	282	3,015	14,503
Storage	20	40	110	77	35	83	13	116	494
Undetermined	3	61	15	30	4	41	2	26	182
Total	385	8,916	2,293	3,341	1,459	3,457	694	6,864	27,409

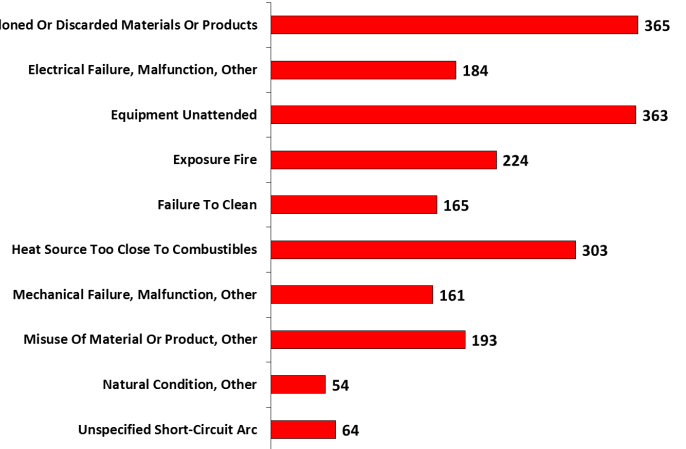
Structure Fires - Cause Of Ignition					
Cause Of Ignition	Incidents	% Of Total	Property Loss	Contents Loss	Total Dollar Loss
Act Of Nature	37	0.24%	\$688,500.00	\$144,050.00	\$832,550.00
Cause Of Ignition Not A Required Entry	8,916	57.47%	\$162,064.00	\$148,071.00	\$310,135.00
Cause Under Investigation	1,331	8.58%	\$24,945,434.00	\$11,707,601.00	\$36,653,035.00
Cause Undetermined After Investigation	686	4.42%	\$9,575,217.00	\$2,496,856.00	\$12,072,073.00
Failure Of Equipment Or Heat Source	687	4.43%	\$2,929,330.00	\$1,571,401.00	\$4,500,731.00
Information Not Provided By Fire Department	635	4.09%	\$2,777,961.00	\$934,890.00	\$3,712,851.00
Intentional	197	1.27%	\$2,424,364.00	\$1,111,754.00	\$3,536,118.00
Unintentional	3,025	19.50%	\$17,098,573.00	\$6,609,320.00	\$23,707,893.00
Total	15,514	100.00%	\$60,601,443.00	\$24,723,943.00	\$85,325,386.00

FIRE INCIDENTS - FACTORS CONTRIBUTING TO IGNITION

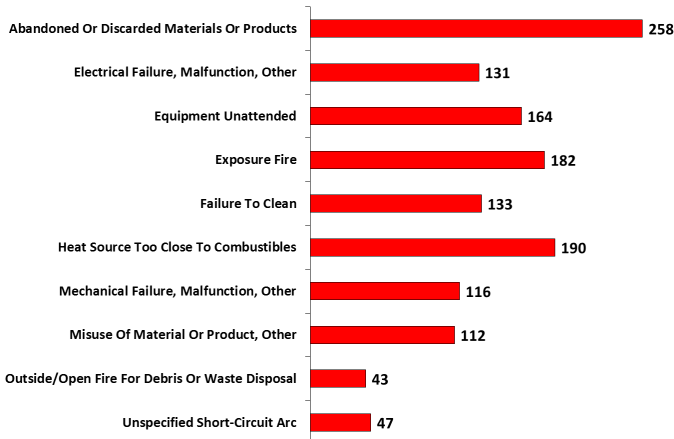
**Most Frequent Factors Contributing To Ignition
Non-Residential Property Uses**



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



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



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

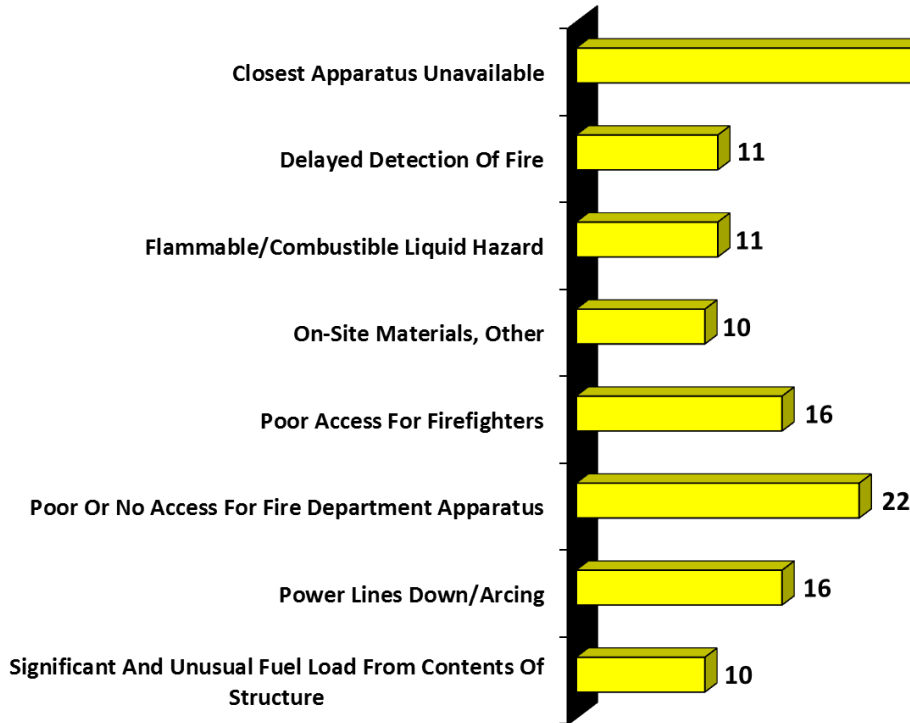


Non-Residential Property Uses	Human Factors Contributing To Ignition			
	Human Factor	Incidents	Property Loss	Contents Loss
Age Was A Factor		24	\$5,700.00	\$1,000.00
Fell Asleep		50	\$92,800.00	\$202,000.00
Multiple Persons Involved		60	\$47,500.00	\$5,000.00
Possibly Impaired By Alcohol Or Drugs		52	\$47,000.00	\$1,400.00
Possibly Mentally Disabled		6	\$0.00	\$0.00
Unattended Or Unsupervised Person		224	\$187,517.00	\$31,142.00
Total		416	\$380,517.00	\$240,542.00

Residential Property Uses	Human Factors Contributing To Ignition			
	Human Factor	Incidents	Property Loss	Contents Loss
Age Was A Factor		41	\$31,503.00	\$20,546.00
Asleep		141	\$1,937,002.00	\$589,647.00
Multiple Persons Involved		55	\$41,015.00	\$23,015.00
Physically Disabled		6	\$122,200.00	\$31,000.00
Possibly Impaired By Alcohol Or Drugs		75	\$1,284,300.00	\$285,450.00
Possibly Mentally Disabled		29	\$217,000.00	\$144,500.00
Unattended Or Unsupervised Person		419	\$1,059,955.00	\$263,555.00
Total		766	\$4,692,975.00	\$1,357,713.00

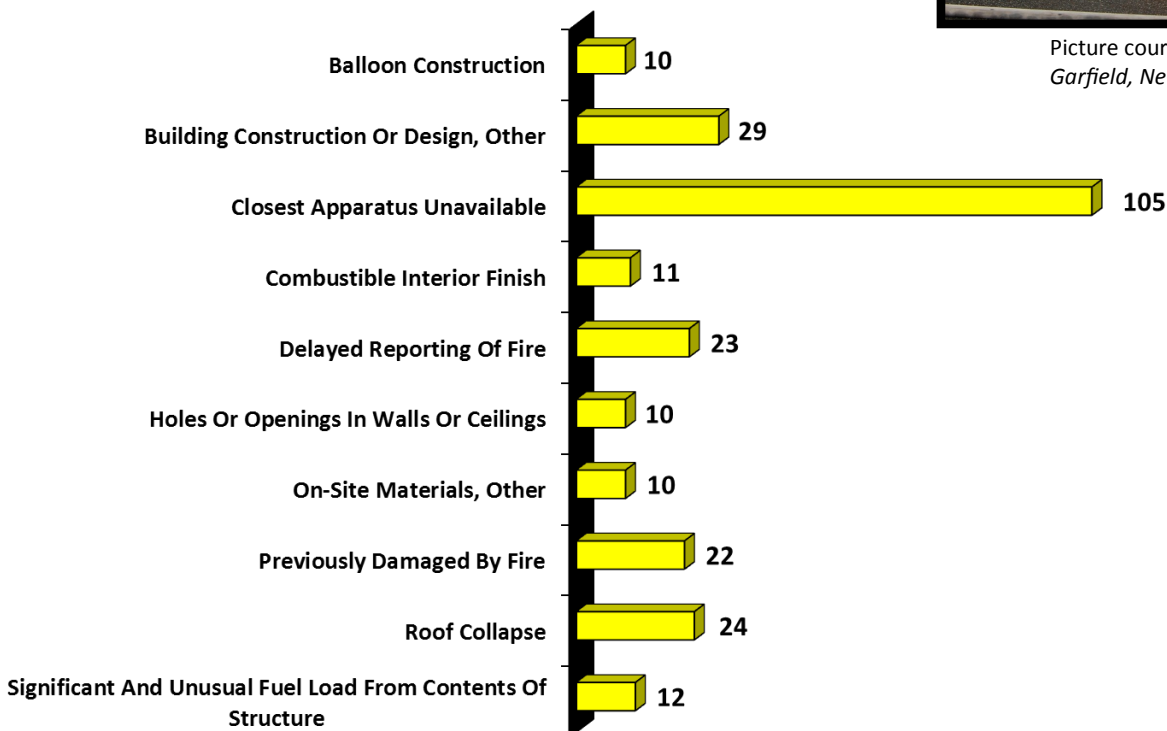
FIRE INCIDENTS - FIRE SUPPRESSION FACTORS

Most Frequent Fire Suppression Factors Non-Residential Property Uses



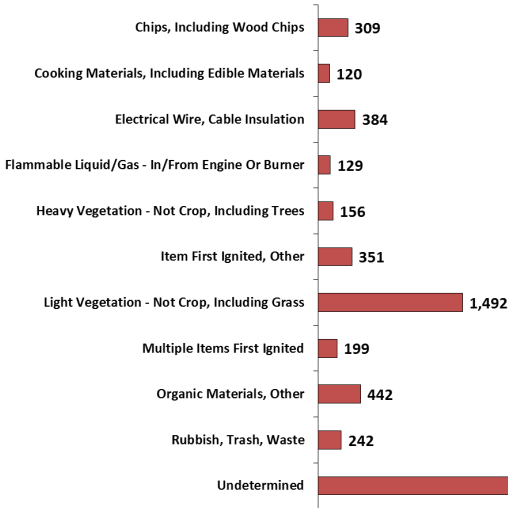
Picture courtesy of Chris Tompkins:
Garfield, New Jersey; October 25, 2015

Most Frequent Fire Suppression Factors Residential Property Use



FIRE INCIDENTS - ITEM FIRST IGNITED

Most Frequent Item First Ignited Non-Residential Property Uses

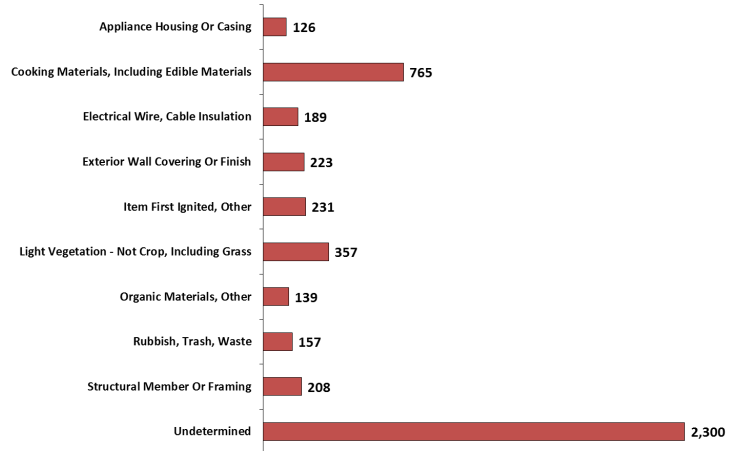


Picture courtesy of Bill Tompkins:
Ridgefield Park, New Jersey; May 31, 2015

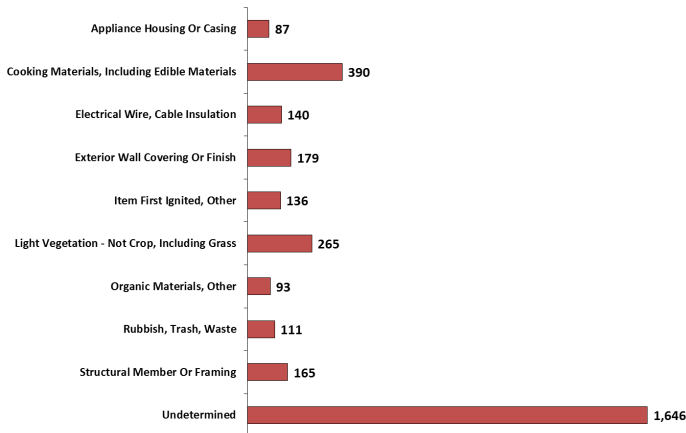


Picture courtesy of Bill Tompkins:
Ridgefield Park, New Jersey; May 31, 2015

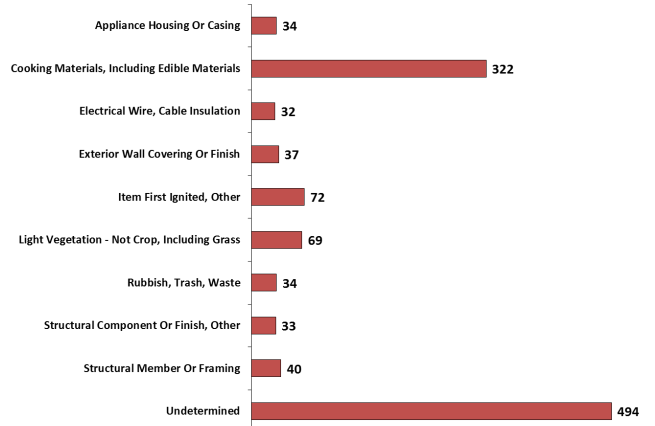
Most Frequent Item First Ignited Residential Property Uses



Most Frequent Item First Ignited 1 Or 2 Family Dwellings



Most Frequent Item First Ignited Multifamily Dwellings

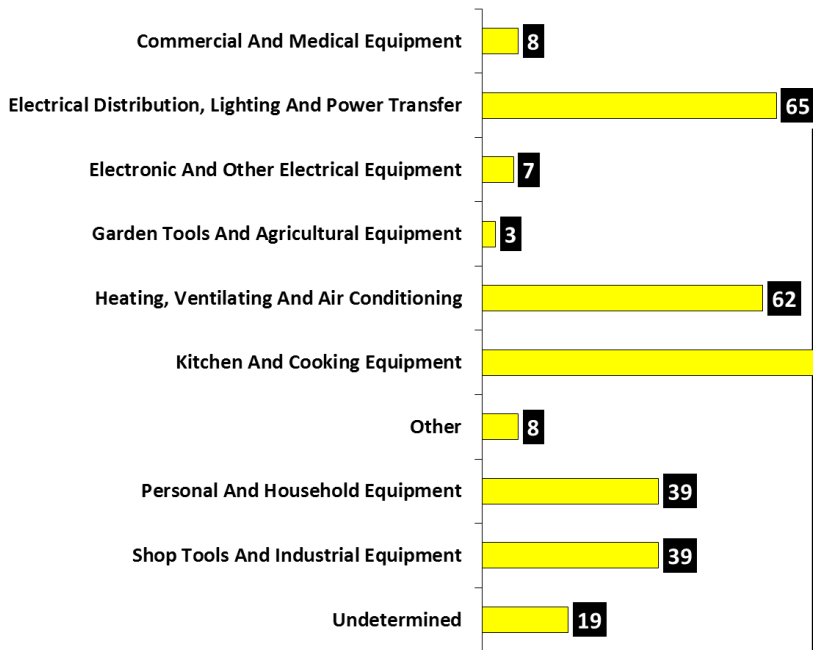


FIRE INCIDENTS - EQUIPMENT INVOLVED

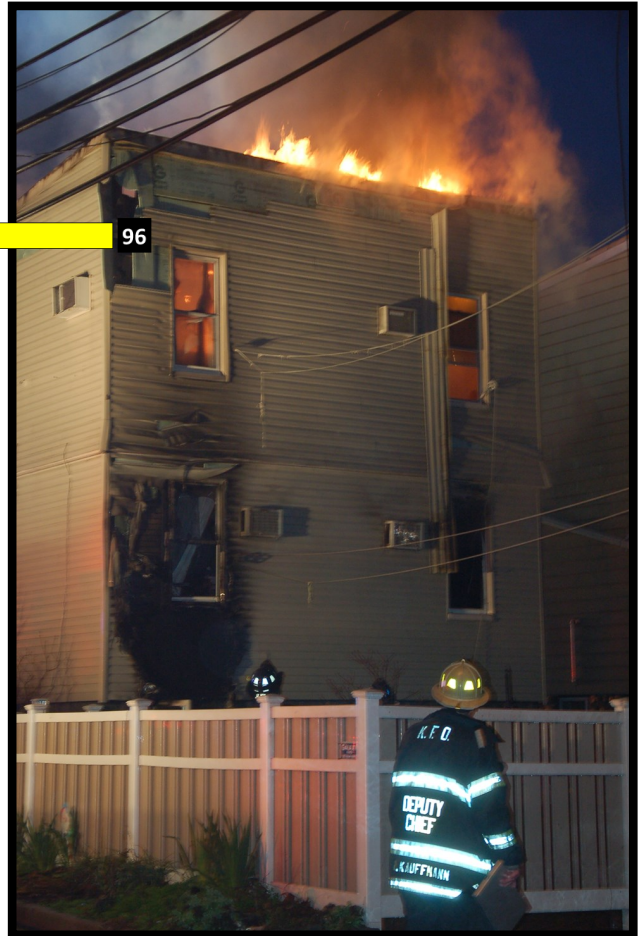
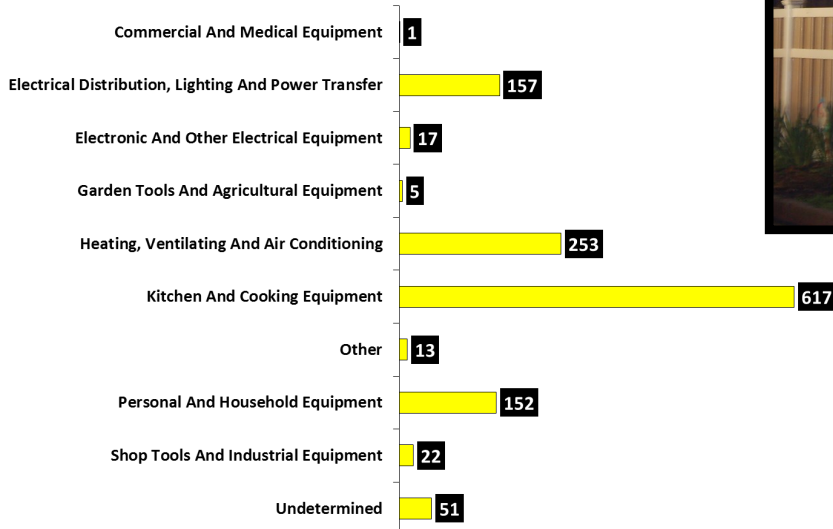
Structure Fires = 15,514
 Equipment Involved In Ignition = 1,564
 Equipment Brand Identified = 316

Of the 15,514 reported structure fire incidents, 1,564 (10%) of those incidents were identified as having equipment involved in ignition. Of those 1,564 incidents, only 316 (20%) were identified by the product brand name. Of the 15,514 structure fire incidents, fire departments did not provide information for 3,222 (20%) 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

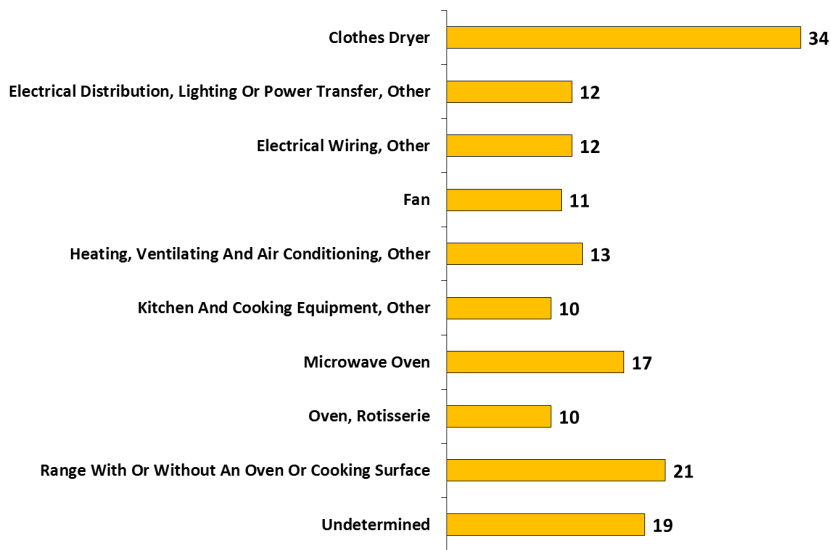


Picture courtesy of Bill Tompkins:
 Secaucus, New Jersey; December 25, 2015

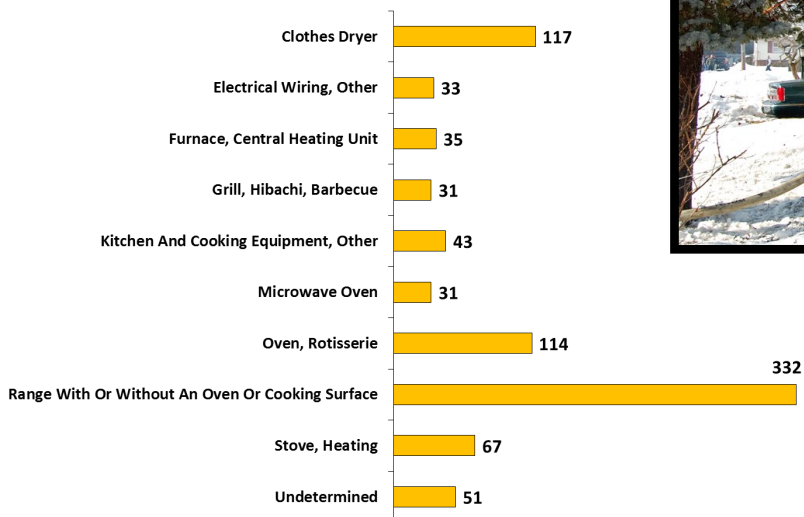
FIRE INCIDENTS - EQUIPMENT INVOLVED

Most Frequent Equipment Involved In Ignition													
Equipment Involved	January	February	March	April	May	June	July	August	September	October	November	December	Total
Clothes Dryer	16	9	19	14	14	12	8	11	7	17	10	14	151
Electrical Wiring, Other	7	7	8	3	3	4	4	2		1	3	3	45
Fan		6	2	3	4		5	5	2	7	5	1	40
Furnace, Central Heating Unit	11	14	2	3	1	3		1		4	2	1	42
Grill, Hibachi, Barbecue	3	1		2	4	1	5	9	8	2	1	1	37
Heating, Ventilating And Air Conditioning, Other	6	6	4	2	1	2	1	2	1	1	4	2	32
Kitchen And Cooking Equipment, Other	6	2	6	6	2	4	7	4	2	7	3	4	53
Microwave Oven	6	5	5	3	6	9	4	1	1	2	3	3	48
Oven, Rotisserie	10	11	17	13	12	11	10	6	7	6	11	10	124
Range With Or Without An Oven Or Cooking Surface	38	25	25	27	29	49	33	20	20	22	27	38	353
Stove, Heating	9	3	4	5	6	6	9	4	7	7	6	5	71
Undetermined	11	7	6	2	10	8	6	4	9	4	2	1	70

Most Frequent Equipment Involved In Ignition Non-Residential Property Uses



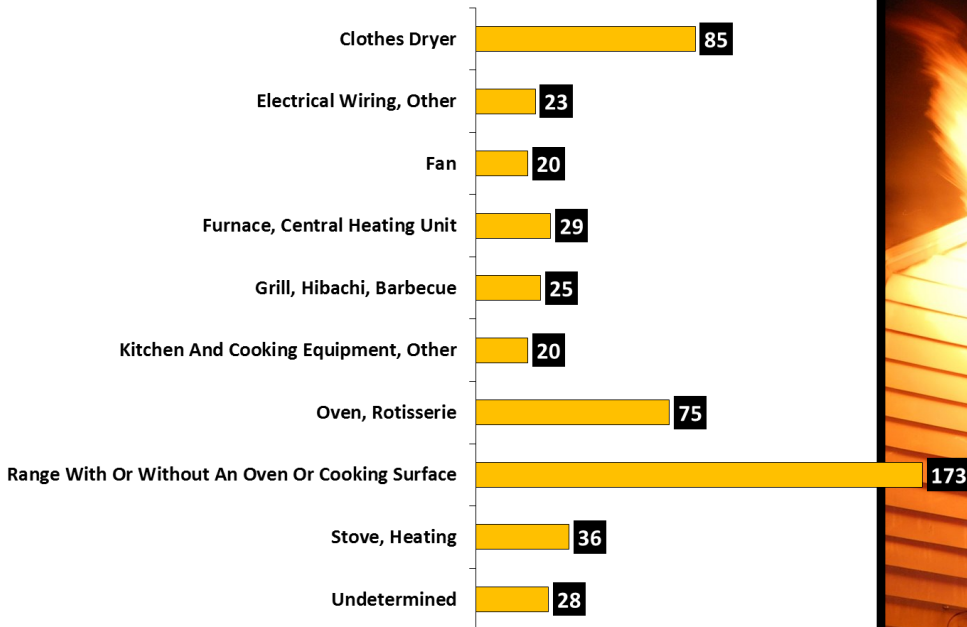
Most Frequent Equipment Involved In Ignition Residential Property Uses



Picture courtesy of Chris Tompkins:
Clifton, New Jersey; February 22, 2015

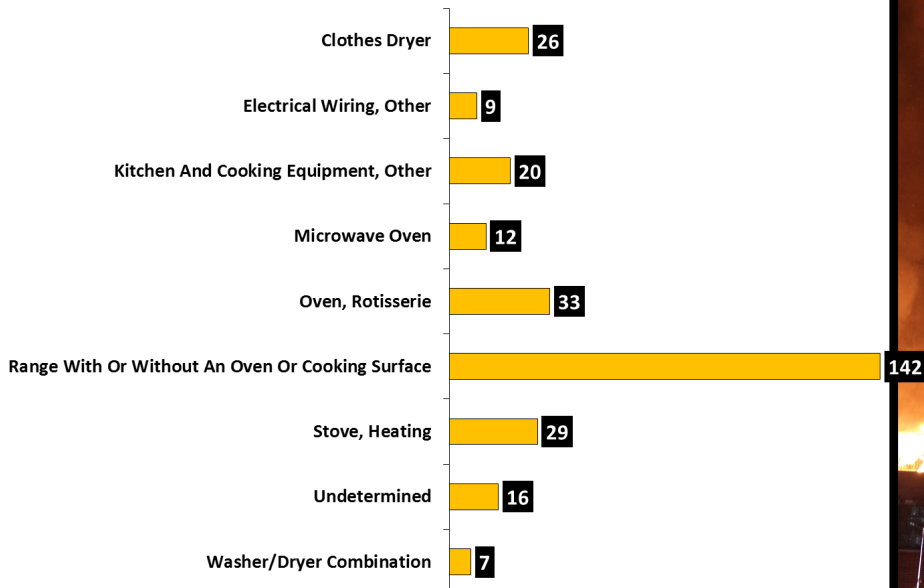
FIRE INCIDENTS - EQUIPMENT INVOLVED

Most Frequent Equipment Involved In Ignition 1 Or 2 Family Dwellings



Picture provided by Chris Tompkins:
Belleville, New Jersey; November 14, 2015

Most Frequent Equipment Involved In Ignition Multifamily Dwellings



Picture courtesy of Ron Jeffers:
Edgewater, New Jersey; January 21, 2015

FIRE INCIDENTS - HEAT SOURCE

Most Frequent Heat Source Of Fires	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Cigarette	568	\$985,431.00	\$343,138.00	\$1,328,569.00
Electrical Arcing	844	\$4,458,019.00	\$1,656,015.00	\$6,114,034.00
Heat From Direct Flame, Convection Currents	229	\$639,712.00	\$277,473.00	\$917,185.00
Heat From Other Open Flame Or Smoking Materials	212	\$641,244.00	\$1,175,435.00	\$1,816,679.00
Heat From Powered Equipment, Other	770	\$3,425,908.00	\$1,098,589.00	\$4,524,497.00
Heat Source: Other	688	\$1,716,083.00	\$688,147.00	\$2,404,230.00
Hot Ember Or Ash	630	\$1,781,161.00	\$377,811.00	\$2,158,972.00
Hot Or Smoldering Object, Other	568	\$2,142,531.00	\$640,591.00	\$2,783,122.00
Radiated, Conducted Heat From Operating Equipment	1,083	\$3,211,298.00	\$1,423,465.00	\$4,634,763.00
Spark, Ember Or Flame From Operating Equipment	516	\$3,284,369.00	\$1,771,499.00	\$5,055,868.00



Picture courtesy of Chris Tompkins:
Harrison, New Jersey; January 11, 2015

Most Frequent Heat Source Of Fires	January	February	March	April	May	June	July	August	September	October	November	December	Total
Cigarette	21	20	24	108	136	29	41	79	70	14	13	13	568
Electrical Arcing	82	67	75	71	97	87	75	62	57	56	57	58	844
Heat From Direct Flame, Convection Currents	23	18	19	24	30	28	20	14	8	20	15	10	229
Heat From Other Open Flame Or Smoking Materials	18	10	16	25	20	12	20	26	19	10	18	18	212
Heat From Powered Equipment, Other	68	73	68	66	69	61	75	54	57	61	64	54	770
Heat Source: Other	49	53	58	78	76	47	71	74	62	34	57	29	688
Hot Ember Or Ash	44	40	33	95	151	41	46	58	50	22	29	21	630
Hot Or Smoldering Object, Other	30	21	30	63	114	33	47	69	61	37	38	25	568
Radiated, Conducted Heat From Operating Equipment	121	132	134	97	89	102	76	58	62	68	75	69	1,083
Spark, Ember Or Flame From Operating Equipment	43	57	46	49	41	45	45	53	35	38	33	31	516

FIRE INCIDENTS - HEAT SOURCE

Most Frequent Heat Source Of Fires - Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	52	\$15,550.00	\$5,050.00
Electrical Arcing	132	\$1,038,322.00	\$350,122.00
Heat From Direct Flame, Convection Currents	31	\$74,510.00	\$7,000.00
Heat From Other Open Flame Or Smoking Materials	30	\$8,122.00	\$903,022.00
Heat From Powered Equipment, Other	109	\$152,704.00	\$127,224.00
Heat Source: Other	70	\$86,003.00	\$10,503.00
Hot Ember Or Ash	60	\$650,700.00	\$78,300.00
Hot Or Smoldering Object, Other	55	\$123,010.00	\$15,560.00
Radiated, Conducted Heat From Operating Equipment	142	\$263,053.00	\$365,694.00
Spark, Ember Or Flame From Operating Equipment	72	\$1,032,839.00	\$751,395.00

Non-Residential Property Uses

Most Frequent Heat Source Of Fires - Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	339	\$12,678.00	\$3,785.00
Electrical Arcing	320	\$367,653.00	\$84,603.00
Heat From Powered Equipment, Other	250	\$2,027,615.00	\$85,359.00
Heat Source: Other	267	\$85,512.00	\$53,513.00
Heat, Spark From Friction	81	\$28,151.00	\$88,501.00
Hot Ember Or Ash	308	\$2,561.00	\$511.00
Hot Or Smoldering Object, Other	265	\$28,152.00	\$2,652.00
Match	81	\$3,001.00	\$1.00
Radiated, Conducted Heat From Operating Equipment	238	\$440,063.00	\$236,613.00
Spark, Ember Or Flame From Operating Equipment	120	\$215,525.00	\$11,250.00

Most Frequent Heat Source Of Fires - Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	114	\$951,603.00	\$333,303.00
Electrical Arcing	351	\$3,023,644.00	\$1,219,290.00
Heat From Direct Flame, Convection Currents	174	\$550,203.00	\$269,223.00
Heat From Other Open Flame Or Smoking Materials	103	\$627,612.00	\$271,062.00
Heat From Powered Equipment, Other	375	\$1,227,389.00	\$885,406.00
Heat Source: Other	271	\$1,544,318.00	\$623,881.00
Hot Ember Or Ash	174	\$1,066,400.00	\$288,300.00
Hot Or Smoldering Object, Other	187	\$1,963,654.00	\$622,264.00
Radiated, Conducted Heat From Operating Equipment	674	\$2,489,682.00	\$819,158.00
Spark, Ember Or Flame From Operating Equipment	280	\$2,024,255.00	\$1,008,354.00

Residential Property Uses

Most Frequent Heat Source Of Fires - Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	63	\$5,600.00	\$1,000.00
Electrical Arcing	41	\$28,400.00	\$2,000.00
Heat From Other Open Flame Or Smoking Materials	31	\$510.00	\$501.00
Heat From Powered Equipment, Other	36	\$18,200.00	\$600.00
Heat Source: Other	80	\$250.00	\$250.00
Hot Ember Or Ash	88	\$61,500.00	\$10,700.00
Hot Or Smoldering Object, Other	61	\$27,715.00	\$115.00
Lighter: Cigarette, Cigar	45	\$1.00	\$1.00
Match	52	\$1,001.00	\$1.00
Spark, Ember Or Flame From Operating Equipment	44	\$11,750.00	\$500.00

FIRE INCIDENTS - HEAT SOURCE

Most Frequent Heat Source Of Fires - Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	72	\$748,501.00	\$283,301.00
Electrical Arcing	255	\$2,323,043.00	\$990,938.00
Heat From Direct Flame, Convection Currents	120	\$382,200.00	\$187,420.00
Heat From Other Open Flame Or Smoking Materials	68	\$609,012.00	\$251,562.00
Heat From Powered Equipment, Other	244	\$616,680.00	\$345,800.00
Heat Source: Other	150	\$1,126,913.00	\$344,606.00
Hot Ember Or Ash	142	\$1,043,400.00	\$273,300.00
Hot Or Smoldering Object, Other	122	\$1,625,952.00	\$604,062.00
Radiated, Conducted Heat From Operating Equipment	376	\$1,907,977.00	\$562,003.00
Spark, Ember Or Flame From Operating Equipment	168	\$1,942,251.00	\$950,950.00

1 Or 2 Family Dwellings

Most Frequent Heat Source Of Fires - Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	35	\$100.00	\$0.00
Electrical Arcing	34	\$22,400.00	\$2,000.00
Heat From Other Open Flame Or Smoking Materials	30	\$510.00	\$501.00
Heat From Powered Equipment, Other	33	\$18,200.00	\$600.00
Heat Source: Other	53	\$0.00	\$0.00
Hot Ember Or Ash	69	\$61,300.00	\$10,700.00
Hot Or Smoldering Object, Other	35	\$12,715.00	\$15.00
Lighter: Cigarette, Cigar	39	\$1.00	\$1.00
Match	47	\$1,001.00	\$1.00
Spark, Ember Or Flame From Operating Equipment	37	\$7,250.00	\$500.00

Most Frequent Heat Source Of Fires - Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Candle	28	\$203,000.00	\$116,025.00
Cigarette	33	\$102,602.00	\$50,002.00
Electrical Arcing	73	\$295,601.00	\$163,552.00
Heat From Direct Flame, Convection Currents	50	\$168,003.00	\$81,803.00
Heat From Other Open Flame Or Smoking Materials	32	\$18,600.00	\$19,500.00
Heat From Powered Equipment, Other	104	\$19,207.00	\$5,956.00
Heat Source: Other	98	\$417,404.00	\$279,274.00
Hot Or Smoldering Object, Other	54	\$137,702.00	\$15,202.00
Radiated, Conducted Heat From Operating Equipment	247	\$574,703.00	\$249,153.00
Spark, Ember Or Flame From Operating Equipment	95	\$82,003.00	\$57,403.00

Multifamily Dwellings

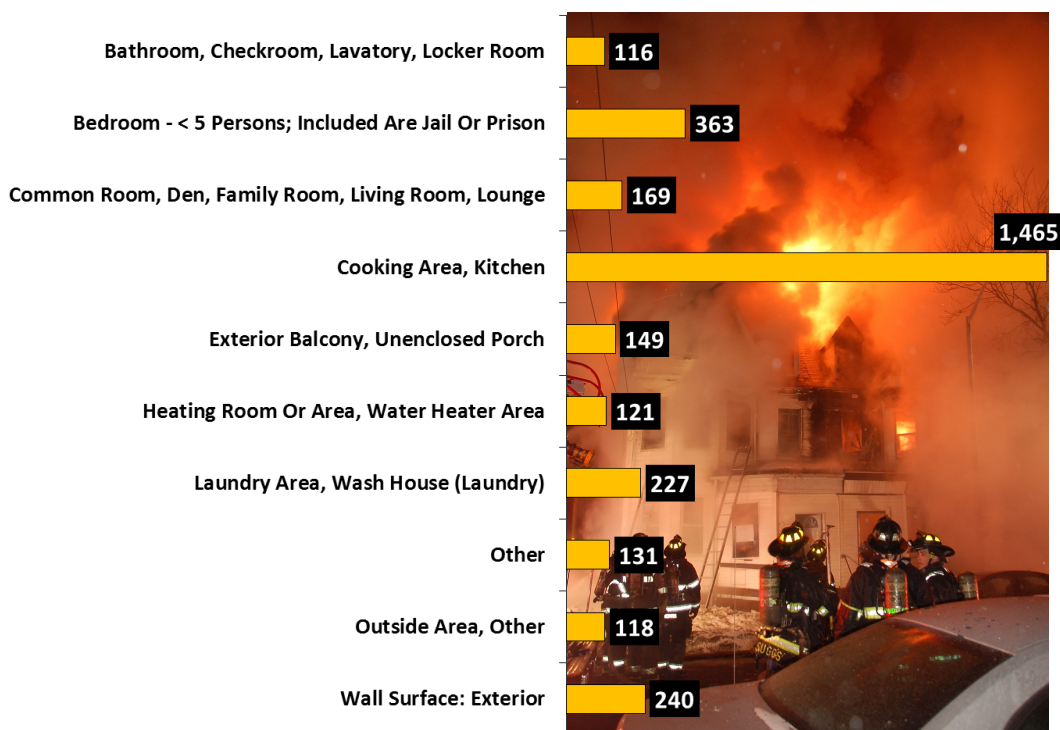
Most Frequent Heat Source Of Fires - Non-Structure Fires			
Heat Source	Incidents	Property Loss	Contents Loss
Cigarette	22	\$1,000.00	\$0.00
Electrical Arcing	4	\$0.00	\$0.00
Heat Source: Other	16	\$250.00	\$250.00
Hot Ember Or Ash	14	\$200.00	\$0.00
Hot Or Smoldering Object, Other	15	\$0.00	\$0.00
Lighter: Cigarette, Cigar	5	\$0.00	\$0.00
Match	4	\$0.00	\$0.00
Spark, Ember Or Flame From Operating Equipment	5	\$4,500.00	\$0.00
Spontaneous Combustion, Chemical Reaction	4	\$0.00	\$0.00

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	Total Dollar Loss
Cooking Area, Kitchen	192	\$350,456.00	\$298,247.00	\$648,703.00
Courtyard, Patio, Porch, Terrace	188	\$112,322.00	\$82,522.00	\$194,844.00
Engine Area, Running Gear, Wheel Area	1,561	\$5,714,101.00	\$270,036.00	\$5,984,137.00
Highway, Parking Lot, Street: On Or Near	1,270	\$105,991.00	\$8,594.00	\$114,585.00
Open Area - Outside; Included Are Farmland, Field	753	\$21,303.00	\$5,503.00	\$26,806.00
Operator/Passenger Area Of Transportation Equipment	194	\$671,003.00	\$23,678.00	\$694,681.00
Other	336	\$60,921.00	\$2,772.00	\$63,693.00
Outside Area, Other	1,296	\$152,815.00	\$27,119.00	\$179,934.00
Vehicle Area, Other	305	\$533,918.00	\$556,066.00	\$1,089,984.00
Wildland, Woods	369	\$51,150.00	\$500.00	\$51,650.00

Most Frequent Area Of Fire Origin - Residential Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Bedroom - <5 Persons; Included Are Jail Or Prison	365	\$4,231,805.00	\$1,260,893.00	\$5,492,698.00
Common Room, Den, Family Room, Living Room, Lounge	169	\$2,598,527.00	\$712,227.00	\$3,310,754.00
Cooking Area, Kitchen	1,467	\$4,704,596.00	\$1,442,027.00	\$6,146,623.00
Courtyard, Patio, Porch, Terrace	274	\$692,917.00	\$339,317.00	\$1,032,234.00
Exterior Balcony, Unenclosed Porch	174	\$1,853,452.00	\$360,902.00	\$2,214,354.00
Laundry Area, Wash House (Laundry)	227	\$637,902.00	\$320,878.00	\$958,780.00
Open Area - Outside; Included Are Farmland, Field	199	\$1,734,351.00	\$3,001.00	\$1,737,352.00
Other	220	\$975,713.00	\$536,173.00	\$1,511,886.00
Outside Area, Other	553	\$880,715.00	\$126,875.00	\$1,007,590.00
Wall Surface: Exterior	247	\$2,132,352.00	\$581,656.00	\$2,714,008.00

Most Frequent Area Of Fire Origin In Residential Structure Fires



Picture courtesy of Bill Tompkins:
Orange, New Jersey; February 18, 2015

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Area Of Fire Origin - Structure Fires				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Attic: Vacant, Crawl Space Above Top Story, Cupola	84	\$882,602.00	\$581,276.00	\$1,463,878.00
Bedroom - < 5 Persons; Included Are Jail Or Prison	251	\$3,311,802.00	\$903,065.00	\$4,214,867.00
Common Room, Den, Family Room, Living Room, Lounge	122	\$2,078,527.00	\$605,577.00	\$2,684,104.00
Cooking Area, Kitchen	788	\$3,559,821.00	\$1,009,120.00	\$4,568,941.00
Exterior Balcony, Unenclosed Porch	110	\$1,314,901.00	\$317,701.00	\$1,632,602.00
Heating Room Or Area, Water Heater Area	99	\$226,873.00	\$135,636.00	\$362,509.00
Laundry Area, Wash House (Laundry)	150	\$584,500.00	\$299,176.00	\$883,676.00
Other	84	\$576,751.00	\$194,811.00	\$771,562.00
Outside Area, Other	86	\$721,000.00	\$98,020.00	\$819,020.00
Vehicle Storage Area; Garage, Carport	92	\$2,138,002.00	\$777,277.00	\$2,915,279.00
Wall Surface: Exterior	191	\$1,717,751.00	\$521,355.00	\$2,239,106.00

1 Or 2 Family Dwellings

Most Frequent Area Of Fire Origin - Non-Structure Fires				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Courtyard, Patio, Porch, Terrace	146	\$6,115.00	\$1,815.00	\$7,930.00
Engine Area, Running Gear, Wheel Area	48	\$69,700.00	\$5,800.00	\$75,500.00
Exterior Balcony, Unenclosed Porch	20	\$41,550.00	\$200.00	\$41,750.00
Highway, Parking Lot, Street: On Or Near	32	\$1,400.00	\$0.00	\$1,400.00
Open Area - Outside; Included Are Farmland, Field	146	\$16,251.00	\$1.00	\$16,252.00
Operator/Passenger Area Of Transportation Equipment	11	\$133,000.00	\$105,500.00	\$238,500.00
Other	52	\$10.00	\$10.00	\$20.00
Outside Area, Other	322	\$137,964.00	\$23,554.00	\$161,518.00
Vehicle Area, Other	19	\$34,000.00	\$0.00	\$34,000.00
Wildland, Woods	31	\$100.00	\$0.00	\$100.00

Most Frequent Area Of Fire Origin - Structure Fires				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Bathroom, Checkroom, Lavatory, Locker Room	34	\$190,750.00	\$60,600.00	\$251,350.00
Bedroom - < 5 Persons; Included Are Jail Or Prison	91	\$911,503.00	\$340,528.00	\$1,252,031.00
Common Room, Den, Family Room, Living Room, Lounge	43	\$320,000.00	\$103,650.00	\$423,650.00
Cooking Area, Kitchen	587	\$1,094,770.00	\$414,004.00	\$1,508,774.00
Exterior Balcony, Unenclosed Porch	33	\$193,501.00	\$22,001.00	\$215,502.00
Function Areas, Other	22	\$1,357,501.00	\$321,251.00	\$1,678,752.00
Laundry Area, Wash House (Laundry)	62	\$36,901.00	\$21,051.00	\$57,952.00
Other	28	\$328,202.00	\$316,002.00	\$644,204.00
Wall Assembly, Concealed Wall Space	24	\$121,000.00	\$37,000.00	\$158,000.00
Wall Surface: Exterior	41	\$404,101.00	\$60,001.00	\$464,102.00

Multifamily Dwellings

Most Frequent Area Of Fire Origin - Non-Structure Fires				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Courtyard, Patio, Porch, Terrace	46	\$50.00	\$500.00	\$550.00
Engine Area, Running Gear, Wheel Area	10	\$78,200.00	\$0.00	\$78,200.00
Exterior Stairway, Ramp, Or Fire Escape	5	\$700.00	\$0.00	\$700.00
Exterior, Exposed Surface	5	\$0.00	\$0.00	\$0.00
Highway, Parking Lot, Street: On Or Near	10	\$1.00	\$1.00	\$2.00
Open Area - Outside; Included Are Farmland, Field	23	\$100.00	\$0.00	\$100.00
Other	21	\$250.00	\$250.00	\$500.00
Outside Area, Other	73	\$50.00	\$300.00	\$350.00
Vehicle Area, Other	5	\$0.00	\$0.00	\$0.00
Wildland, Woods	5	\$0.00	\$0.00	\$0.00

FIRE INCIDENTS - AREA OF FIRE ORIGIN

Most Frequent Area Of Fire Origin - Assembly Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Bathroom, Checkroom, Lavatory, Locker Room	11	\$30,500.00	\$18,000.00	\$48,500.00
Cooking Area, Kitchen	75	\$210,602.00	\$137,042.00	\$347,644.00
Courtyard, Patio, Porch, Terrace	15	\$0.00	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	13	\$28,500.00	\$200.00	\$28,700.00
Highway, Parking Lot, Street: On Or Near	41	\$3,301.00	\$1.00	\$3,302.00
Open Area - Outside; Included Are Farmland, Field	35	\$201.00	\$1.00	\$202.00
Other	19	\$20,100.00	\$500.00	\$20,600.00
Outside Area, Other	94	\$5.00	\$104.00	\$109.00
Roof Surface: Exterior	14	\$946,601.00	\$128,751.00	\$1,075,352.00
Wildland, Woods	10	\$0.00	\$0.00	\$0.00

Most Frequent Area Of Fire Origin - Educational Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Assembly Area - Less Than 100 Persons	7	\$2,500.00	\$1,050.00	\$3,550.00
Bathroom, Checkroom, Lavatory, Locker Room	11	\$100.00	\$105.00	\$205.00
Cooking Area, Kitchen	14	\$1.00	\$3,501.00	\$3,502.00
Engine Area, Running Gear, Wheel Area	10	\$4,500.00	\$0.00	\$4,500.00
Heating Room Or Area, Water Heater Area	4	\$1,000.00	\$0.00	\$1,000.00
Highway, Parking Lot, Street: On Or Near	7	\$0.00	\$0.00	\$0.00
Open Area - Outside; Included Are Farmland, Field	9	\$0.00	\$0.00	\$0.00
Other	6	\$3,000.00	\$0.00	\$3,000.00
Outside Area, Other	23	\$0.00	\$0.00	\$0.00
Wall Surface: Exterior	4	\$25,001.00	\$1.00	\$25,002.00

Most Frequent Area Of Fire Origin - Health Care, Detention, And Correction Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Bedroom - < 5 Persons; Included Are Jail Or Prison	9	\$0.00	\$1,300.00	\$1,300.00
Cooking Area, Kitchen	30	\$401.00	\$351.00	\$752.00
Courtyard, Patio, Porch, Terrace	7	\$8,000.00	\$2,500.00	\$10,500.00
Engine Area, Running Gear, Wheel Area	5	\$0.00	\$0.00	\$0.00
Highway, Parking Lot, Street: On Or Near	17	\$0.00	\$0.00	\$0.00
Laundry Area, Wash House (Laundry)	10	\$6,500.00	\$1,375.00	\$7,875.00
Open Area - Outside; Included Are Farmland, Field	6	\$0.00	\$0.00	\$0.00
Other	5	\$0.00	\$500.00	\$500.00
Outside Area, Other	25	\$0.00	\$0.00	\$0.00
Roof Surface: Exterior	5	\$0.00	\$0.00	\$0.00

Most Frequent Area Of Fire Origin - Industrial, Utility, Defense, Agriculture, Mining Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Engine Area, Running Gear, Wheel Area	8	\$0.00	\$0.00	\$0.00
Highway, Parking Lot, Street: On Or Near	4	\$15,000.00	\$0.00	\$15,000.00
Laboratory	4	\$0.00	\$0.00	\$0.00
Machinery Room Or Area; Elevator Machinery Room	4	\$0.00	\$5,000.00	\$5,000.00
Open Area - Outside; Included Are Farmland, Field	13	\$0.00	\$0.00	\$0.00
Other	5	\$0.00	\$0.00	\$0.00
Outside Area, Other	16	\$500.00	\$500.00	\$1,000.00
Storage Area, Other	4	\$0.00	\$0.00	\$0.00
Switchgear Area, Transformer Vault	5	\$0.00	\$0.00	\$0.00
Wildland, Woods	45	\$50,000.00	\$500.00	\$50,500.00

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	Total Dollar Loss
Duct: HVAC, Cable, Exhaust, Heating, Or AC	5	\$0.00	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	4	\$650,000.00	\$0.00	\$650,000.00
Highway, Parking Lot, Street: On Or Near	5	\$0.00	\$0.00	\$0.00
Machinery Room Or Area; Elevator Machinery Room	6	\$0.00	\$0.00	\$0.00
Open Area - Outside; Included Are Farmland, Field	4	\$0.00	\$0.00	\$0.00
Outside Area, Other	12	\$3,500.00	\$0.00	\$3,500.00
Processing/Manufacturing Area, Workroom	18	\$1,124,000.00	\$615,500.00	\$1,739,500.00
Roof Surface: Exterior	6	\$102,001.00	\$50,001.00	\$152,002.00
Storage Room, Area, Tank, Or Bin	4	\$50,000.00	\$15,000.00	\$65,000.00
Technical Processing Areas, Other	4	\$20,002.00	\$2,000.00	\$22,002.00

Most Frequent Area Of Fire Origin - Mercantile/Business Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Cooking Area, Kitchen	57	\$122,952.00	\$150,003.00	\$272,955.00
Courtyard, Patio, Porch, Terrace	26	\$0.00	\$0.00	\$0.00
Engine Area, Running Gear, Wheel Area	81	\$260,001.00	\$13,251.00	\$273,252.00
Equipment Or Service Area, Other	18	\$1,500.00	\$10,500.00	\$12,000.00
Highway, Parking Lot, Street: On Or Near	149	\$3,500.00	\$200.00	\$3,700.00
Laundry Area, Wash House (Laundry)	45	\$19,500.00	\$15,450.00	\$34,950.00
Open Area - Outside; Included Are Farmland, Field	48	\$1,000.00	\$0.00	\$1,000.00
Other	39	\$8,000.00	\$0.00	\$8,000.00
Outside Area, Other	174	\$18,075.00	\$1,115.00	\$19,190.00
Vehicle Area, Other	27	\$287,101.00	\$429,001.00	\$716,102.00

Most Frequent Area Of Fire Origin - Outside Or Special Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Courtyard, Patio, Porch, Terrace	127	\$4,322.00	\$22.00	\$4,344.00
Engine Area, Running Gear, Wheel Area	1,366	\$4,048,599.00	\$244,984.00	\$4,293,583.00
Highway, Parking Lot, Street: On Or Near	1,018	\$84,190.00	\$7,893.00	\$92,083.00
Open Area - Outside; Included Are Farmland, Field	607	\$11,602.00	\$4,402.00	\$16,004.00
Operator/Passenger Area Of Transportation Equipment	170	\$536,101.00	\$17,726.00	\$553,827.00
Other	221	\$14,520.00	\$1,271.00	\$15,791.00
Outside Area, Other	881	\$21,424.00	\$18,498.00	\$39,922.00
Railroad Right Of Way: On Or Near	105	\$503.00	\$1.00	\$504.00
Vehicle Area, Other	242	\$236,216.00	\$124,564.00	\$360,780.00
Wildland, Woods	291	\$1,000.00	\$0.00	\$1,000.00

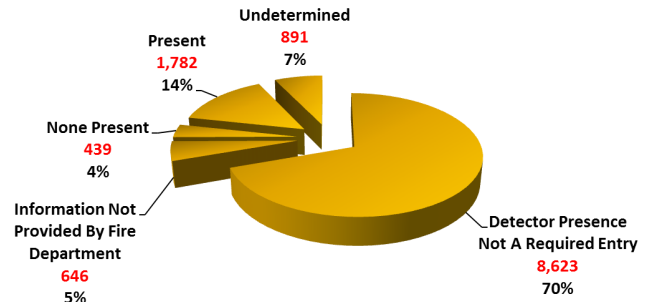
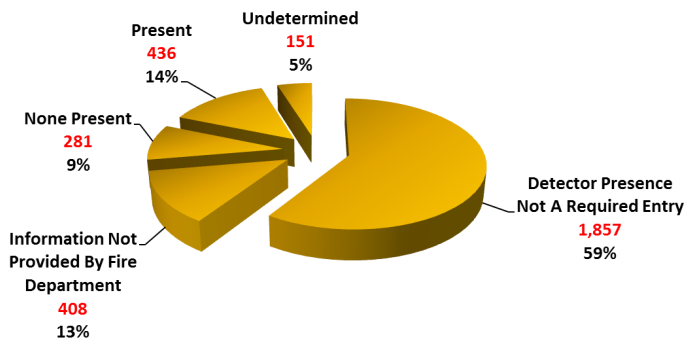
Most Frequent Area Of Fire Origin - Storage Property Uses				
Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Engine Area, Running Gear, Wheel Area	34	\$151,501.00	\$7,001.00	\$158,502.00
Highway, Parking Lot, Street: On Or Near	22	\$0.00	\$500.00	\$500.00
Open Area - Outside; Included Are Farmland, Field	17	\$8,500.00	\$1,100.00	\$9,600.00
Other	9	\$15,001.00	\$501.00	\$15,502.00
Outside Area, Other	30	\$108,711.00	\$6,901.00	\$115,612.00
Roof Surface: Exterior	9	\$255,000.00	\$30,000.00	\$285,000.00
Storage Area, Other	26	\$245,400.00	\$171,000.00	\$416,400.00
Storage: Supplies Or Tools; Dead Storage	28	\$35,601.00	\$27,500.00	\$63,101.00
Vehicle Area, Other	10	\$8,001.00	\$1.00	\$8,002.00
Vehicle Storage Area; Garage, Carport	50	\$262,601.00	\$190,301.00	\$452,902.00
Wall Surface: Exterior	9	\$20,000.00	\$1,000.00	\$21,000.00

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	633	92	23	68	50	866
Bergen	2,212	86	53	164	47	2,562	
Burlington	941	39	31	108	32	1,151	
Camden	1,258	12	71	156	89	1,586	
Cape May	326	25	14	69	32	466	
Cumberland	408	9	23	71	41	552	
Essex	2,685	114	95	220	138	3,252	
Gloucester	538	43	18	74	34	707	
Hudson	2,446	65	60	178	106	2,855	
Hunterdon	258	10	9	25	7	309	
Mercer	1,500	19	60	151	54	1,784	
Middlesex	2,020	92	58	172	56	2,398	
Monmouth	1,349	143	32	169	65	1,758	
Morris	887	46	23	71	23	1,050	
Ocean	837	50	23	140	61	1,111	
Passaic	1,230	30	33	93	71	1,457	
Salem	153	10	18	31	9	221	
Somerset	541	35	16	37	25	654	
Sussex	245	28	7	26	16	322	
Union	1,698	80	49	183	72	2,082	
Warren	205	26	6	14	15	266	
Total	22,370	1,054	722	2,220	1,043	27,409	

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

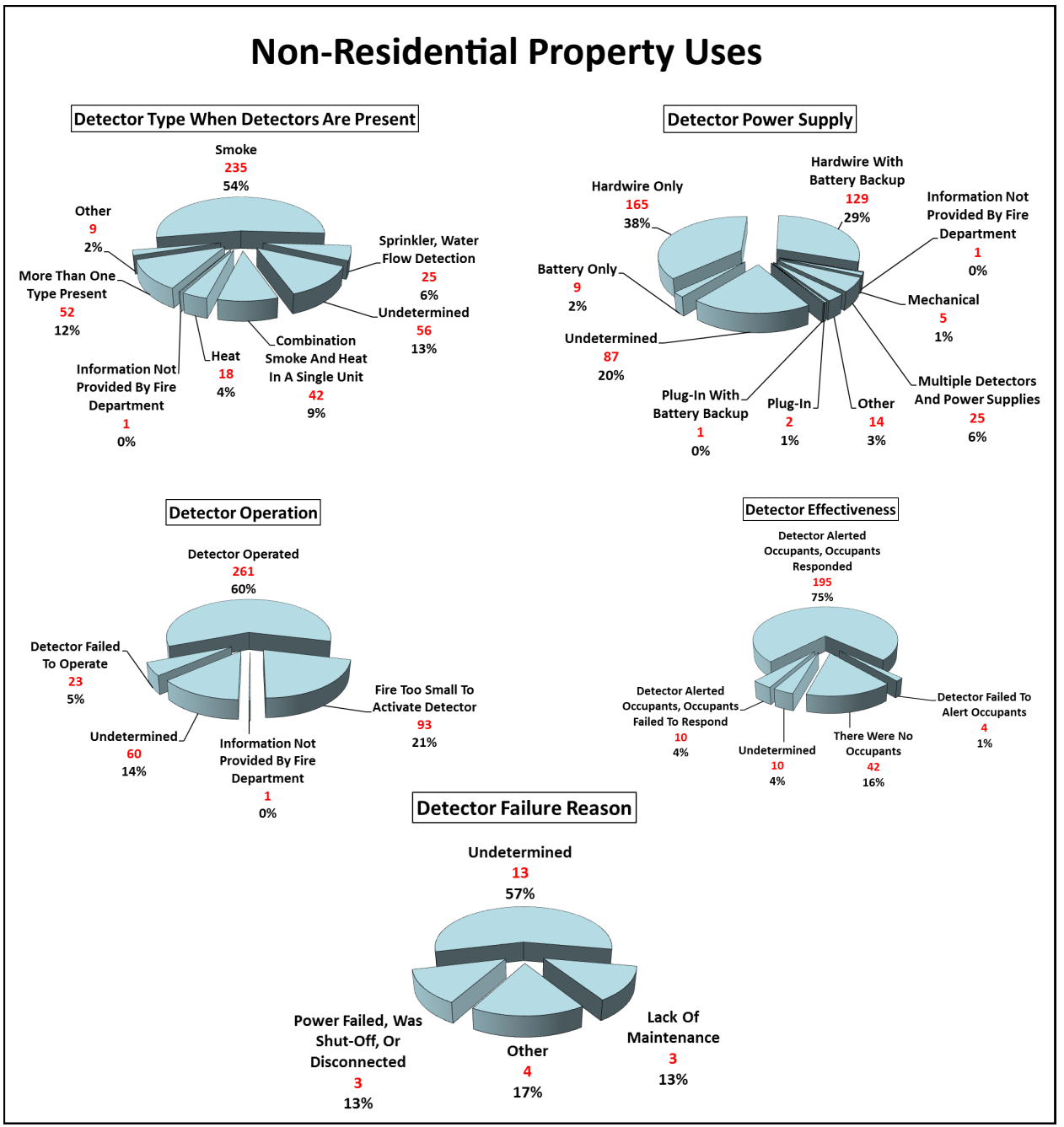
Detector Presence In **Residential** Structure Fires



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	808	35	25	88	21	977
Educational	294	13	2	47	2	358	
Health Care, Detention, And Correction	330	21	5	55	1	412	
Industrial, Utility, Defense, Agriculture, Mining	167	13	12	12	4	208	
Information Not Provided By Fire Department	2				1	3	
Manufacturing, Processing	77	14	16	34	7	148	
Mercantile, Business	1,353	112	56	152	73	1,746	
None	121	8	1	3		133	
Other	93	26	2	2		123	
Outside Or Special Property	7,935	133	33	9	12	8,122	
Residential	10,744	646	439	1,782	892	14,503	
Storage	292	28	128	19	27	494	
Undetermined	154	5	3	17	3	182	
Total	22,370	1,054	722	2,220	1,043	27,409	

DETECTOR PRESENCE AND PERFORMANCE

Non-Residential Property Uses				
Detector Presence	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Detector Presence Not A Required Entry	11,626	\$10,053,157.00	\$1,178,525.00	\$11,231,682.00
Information Not Provided By Fire Department	408	\$488,653.00	\$290,203.00	\$778,856.00
None Present	283	\$1,686,303.00	\$1,260,101.00	\$2,946,404.00
Present	438	\$11,365,282.00	\$8,150,420.00	\$19,515,702.00
Undetermined	151	\$4,118,206.00	\$1,166,503.00	\$5,284,709.00
Total	12,906	\$27,711,601.00	\$12,045,752.00	\$39,757,353.00



DETECTOR PRESENCE AND PERFORMANCE

Residential Property Uses				
Detector Presence	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Detector Presence Not A Required Entry	10,744	\$947,411.00	\$337,448.00	\$1,284,859.00
Information Not Provided By Fire Department	646	\$388,005.00	\$222,514.00	\$610,519.00
None Present	439	\$6,797,608.00	\$1,874,428.00	\$8,672,036.00
Present	1,782	\$22,583,951.00	\$7,565,550.00	\$30,149,501.00
Undetermined	892	\$12,838,370.00	\$3,845,457.00	\$16,683,827.00
Total	14,503	\$43,555,345.00	\$13,845,397.00	\$57,400,742.00



Picture courtesy of Ron Jeffers:
Hackensack, New Jersey; April 25, 2015



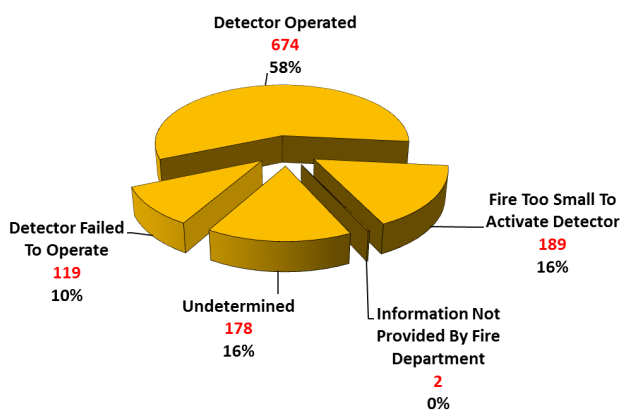
Picture courtesy of Chris Tompkins:
Englewood, New Jersey; March 9, 2015

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	5,536	410	359	1,162	696	8,163
Barracks, Dormitory	23			2		25
Boarding/Rooming House, Residential Hotels	145	7	2	15	3	172
Dormitory-Type Residence, Other	196			5		201
Hotel/Motel, Commercial	157	13	2	24	4	200
Multifamily Dwelling	4,207	155	67	527	158	5,114
Residential Board And Care	110	3		9	2	124
Residential, Other	355	58	9	38	29	489
Sorority House, Fraternity House	15					15
Total	10,744	646	439	1,782	892	14,503

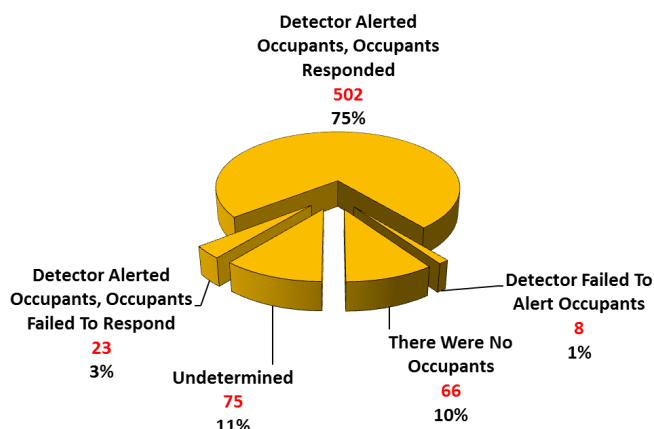
DETECTOR PRESENCE AND PERFORMANCE

1 Or 2 Family Dwellings				
Detector Presence	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Detector Presence Not A Required Entry	5,536	\$747,109.00	\$278,448.00	\$1,025,557.00
Information Not Provided By Fire Department	410	\$291,003.00	\$201,838.00	\$492,841.00
None Present	359	\$6,123,107.00	\$1,743,402.00	\$7,866,509.00
Present	1,162	\$14,560,080.00	\$4,985,253.00	\$19,545,333.00
Undetermined	696	\$11,317,813.00	\$3,383,341.00	\$14,701,154.00
Total	8,163	\$33,039,112.00	\$10,592,282.00	\$43,631,394.00

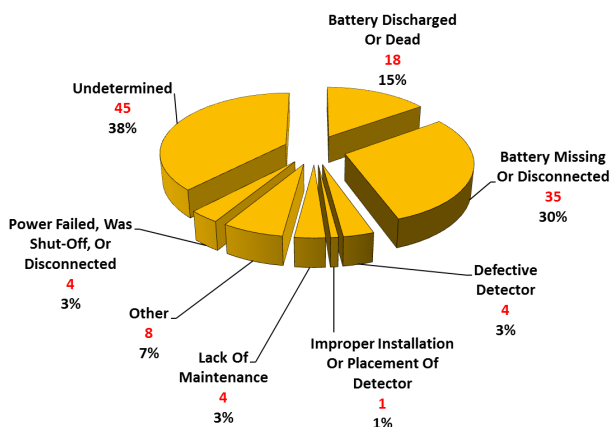
Detector Operation When Detectors Are Present



Detector Effectiveness



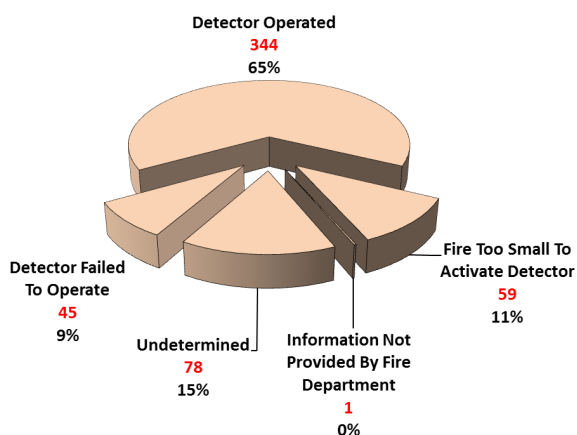
Detector Failure Reason



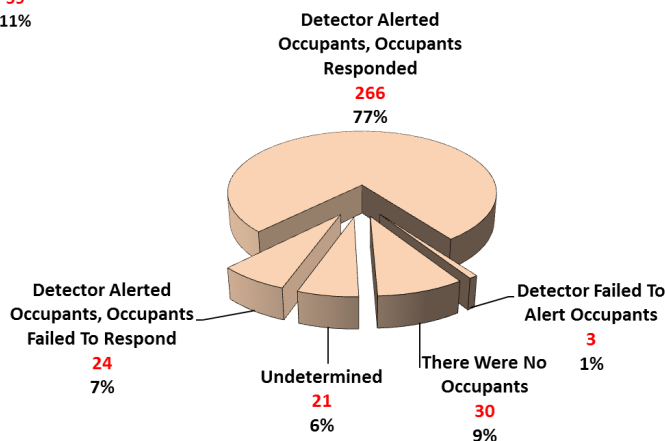
DETECTOR PRESENCE AND PERFORMANCE

Multifamily Dwellings				
Detector Presence	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Detector Presence Not A Required Entry	4,207	\$165,997.00	\$53,206.00	\$219,203.00
Information Not Provided By Fire Department	155	\$51,900.00	\$19,551.00	\$71,451.00
None Present	67	\$549,001.00	\$130,026.00	\$679,027.00
Present	527	\$6,958,370.00	\$1,960,646.00	\$8,919,016.00
Undetermined	158	\$1,248,055.00	\$446,215.00	\$1,694,270.00
Total	5,114	\$8,973,323.00	\$2,609,644.00	\$11,582,967.00

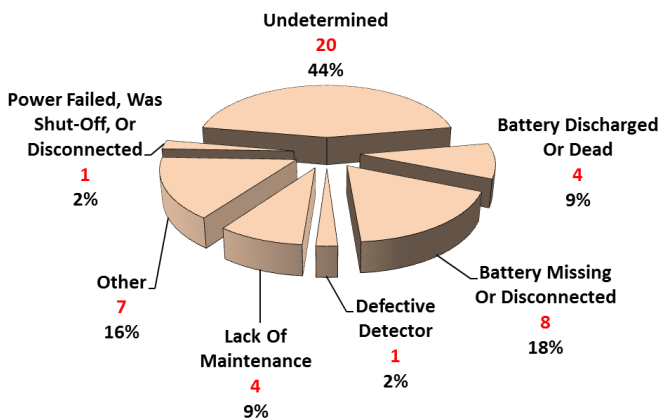
Detector Operation When Detectors Are Present



Detector Effectiveness



Detector Failure Reason



AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

Automatic Extinguishment System Presence By County - Structure Fires							
County	AES Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Partial System Present	Present	Undetermined	Total
Atlantic	224	100	109		12	18	463
Bergen	1,247	92	209	3	39	11	1,601
Burlington	224	45	154		9	5	437
Camden	478	14	257	3	22	34	808
Cape May	134	26	104		5	5	274
Cumberland	140	9	118	1	6	10	284
Essex	1,546	123	378	1	45	23	2,116
Gloucester	124	46	93	2	9	23	297
Hudson	1,736	71	260	8	32	44	2,151
Hunterdon	75	12	33	1	2	5	128
Mercer	867	21	221	1	37	6	1,153
Middlesex	629	94	232	1	44	7	1,007
Monmouth	463	144	201		46	18	872
Morris	366	47	100	1	9	7	530
Ocean	276	52	160		23	40	551
Passaic	776	32	162	1	24	11	1,006
Salem	71	11	52		4	2	140
Somerset	156	35	62		8	8	269
Sussex	102	28	43		3	3	179
Union	738	83	250	1	34	17	1,123
Warren	64	26	29	1	3	2	125
Total	10,436	1,111	3,227	25	416	299	15,514

Automatic Extinguishment System Presence By Property Use Category - Structure Fires								
Property Use Category	AES Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Partial System Present	Present	Undetermined	Total	
Assembly	402	39	62	4	44	23	574	
Educational	191	13	23		23	5	255	
Health Care, Detention, And Correction	236	21	13	3	40	5	318	
Industrial, Utility, Defense, Agriculture, Mining	13	15	11		11	4	54	
Information Not Provided By Fire Department	2					1	3	
Manufacturing, Processing	25	15	13	1	41	3	98	
Mercantile, Business	439	113	146	4	81	49	832	
None	10	9	4				23	
Other	19	26	4				49	
Outside Or Special Property	385	142	47		3	3	580	
Residential	8,601	678	2,749	12	143	198	12,381	
Storage	49	35	140		24	7	255	
Undetermined	64	5	15	1	6	1	92	
Total	10,436	1,111	3,227	25	416	299	15,514	

Type Of Automatic Extinguishment System When Present By Property Use Category											
Property Use Category	Carbon Dioxide System	Dry Chemical System	Dry-Pipe Sprinkler System	Foam System	Halogen Type System	Information Not Provided By Fire Department	Other	Other Sprinkler System, Includes Deluge And Pre-Action	Undetermined	Wet-Pipe Sprinkler System	Total
Assembly	1	4	1			11	8	2	2	19	48
Educational		2	2			6			1	12	23
Health Care, Detention, And Correction			3			9	1	3	1	26	43
Industrial, Utility, Defense, Agriculture, Mining			1			1	1			8	11
Manufacturing, Processing	4		3			6		2	1	26	42
Mercantile, Business		1	6		1	21	2		5	49	85
Outside Or Special Property						1	1			1	3
Residential			8		1	34	16	5	1	90	155
Storage			5			6		1	1	11	24
Undetermined				1		1	4			1	7
Total	5	7	29	1	2	96	33	13	12	243	441

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

Non-Residential	Automatic Extinguishment System Operation		Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
	Fire Too Small To Activate The System		96	\$25,226,000.00	\$153,801,800.00	\$189,300.00	\$122,495.00	\$311,795.00	\$178,716,005.00
	Information Not Provided By Fire Department		81	\$3,705,800.00	\$530,000.00	\$94,100.00	\$69,100.00	\$163,200.00	\$4,072,600.00
	Other		9	\$0.00	\$0.00	\$2,500.00	\$0.00	\$2,500.00	Unknown
	System Did Not Operate		30	\$5,301,000.00	\$1,200,000.00	\$1,463,004.00	\$758,002.00	\$2,221,006.00	\$4,279,994.00
	System Operated And Was Effective		58	\$22,155,001.00	\$12,486,001.00	\$1,109,001.00	\$2,381,001.00	\$3,490,002.00	\$31,151,000.00
	System Operated And Was Not Effective		4	\$2,000,000.00	\$7,000,000.00	\$0.00	\$40,000.00	\$40,000.00	\$8,960,000.00
	Undetermined		8	\$3,000,000.00	\$1,000,000.00	\$2,102,500.00	\$1,050,000.00	\$3,152,500.00	\$847,500.00
	Total		286	\$61,387,801.00	\$176,017,801.00	\$4,960,405.00	\$4,420,598.00	\$9,381,003.00	\$228,024,599.00
	Automatic Extinguishment System Failure Reason		Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
Fire Not In Area Protected By The System		9	\$10,000.00	\$0.00	\$110,002.00	\$53,002.00	\$163,004.00	Unknown	
Information Not Provided By Fire Department		7	\$291,000.00	\$200,000.00	\$250,000.00	\$100,000.00	\$350,000.00	\$141,000.00	
Other		3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
System Shut Off		3	\$5,000,000.00	\$1,000,000.00	\$1,080,000.00	\$600,000.00	\$1,680,000.00	\$4,320,000.00	
Undetermined		8	\$0.00	\$0.00	\$23,002.00	\$5,000.00	\$28,002.00	Unknown	
Total		30	\$5,301,000.00	\$1,200,000.00	\$1,463,004.00	\$758,002.00	\$2,221,006.00	\$4,279,994.00	
		Frequency Of Occurrence	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved	
Number Of Sprinkler Heads Activated									
1		34	\$23,100,000.00	\$17,430,000.00	\$1,002,000.00	\$365,000.00	\$1,367,000.00	\$39,163,000.00	
2		12	\$0.00	\$0.00	\$51,000.00	\$1,000.00	\$52,000.00	Unknown	
3		6	\$1,005,000.00	\$2,006,000.00	\$5,000.00	\$2,000,000.00	\$2,005,000.00	\$1,006,000.00	
4		5	\$50,000.00	\$50,000.00	\$51,000.00	\$55,000.00	\$106,000.00	Unknown	
5		1	\$1.00	\$1.00	\$1.00	\$1.00	\$2.00	\$0.00	
6		2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
15		1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
42		1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total		62	\$24,155,001.00	\$19,486,001.00	\$1,109,001.00	\$2,421,001.00	\$3,530,002.00	\$40,111,000.00	



Picture courtesy of Chris Tompkins:
Clifton, New Jersey; February 22, 2015

AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

Residential

Automatic Extinguishment System Operation	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
Fire Too Small To Activate The System	47	\$15,239,200.00	\$3,338,200.00	\$73,801.00	\$32,752.00	\$106,553.00	\$18,470,847.00
Information Not Provided By Fire Department	40	\$141,001.00	\$30,501.00	\$147,001.00	\$33,201.00	\$180,202.00	Unknown
Other	14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
System Did Not Operate	12	\$0.00	\$0.00	\$3,700.00	\$250.00	\$3,950.00	Unknown
System Operated And Was Effective	36	\$34,485,001.00	\$150,001.00	\$138,502.00	\$94,702.00	\$233,204.00	\$34,401,798.00
System Operated And Was Not Effective	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Undetermined	5	\$600,000.00	\$150,000.00	\$15,000.00	\$10,000.00	\$25,000.00	\$725,000.00
Total	155	\$50,465,202.00	\$3,668,702.00	\$378,004.00	\$170,905.00	\$548,909.00	\$53,584,995.00

Automatic Extinguishment System Failure Reason	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
Fire Not In Area Protected By The System	7	\$0.00	\$0.00	\$3,700.00	\$250.00	\$3,950.00	Unknown
Inappropriate System For The Type Of Fire	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Information Not Provided By Fire Department	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Undetermined	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	12	\$0.00	\$0.00	\$3,700.00	\$250.00	\$3,950.00	Unknown

Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
1	35	\$34,250,001.00	\$50,001.00	\$113,502.00	\$34,702.00	\$148,204.00	\$34,151,798.00
3	1	\$235,000.00	\$100,000.00	\$25,000.00	\$60,000.00	\$85,000.00	\$250,000.00
4	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Total	37	\$34,485,001.00	\$150,001.00	\$138,502.00	\$94,702.00	\$233,204.00	\$34,401,798.00



Picture courtesy of Ron Jeffers:
Secaucus, New Jersey; December 25, 2015

Picture courtesy of Ron Jeffers:
Passaic, New Jersey; October 21, 2015



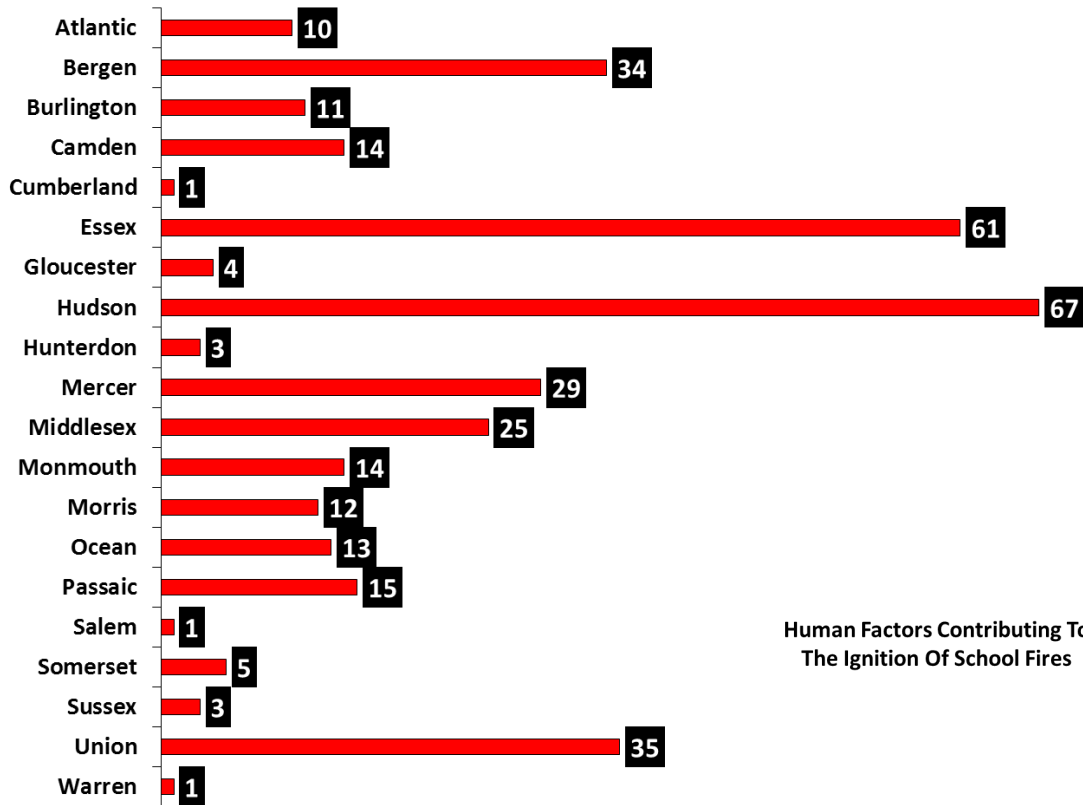
AUTOMATIC EXTINGUISHMENT SYSTEM PRESENCE AND PERFORMANCE

1 Or 2 Family Dwelling Structure Fires	Automatic Extinguishment System Presence	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
	AES Presence Not A Required Entry	3,940	\$23,427,582.00	\$2,207,677.00	\$142,172.00	\$132,151.00	\$274,323.00	\$25,360,936.00
	Information Not Provided By Fire Department	432	\$1,363,125.00	\$447,225.00	\$294,329.00	\$204,164.00	\$498,493.00	\$1,311,857.00
	None Present	2,047	\$60,392,454.00	\$10,640,210.00	\$30,420,774.00	\$9,641,665.00	\$40,062,439.00	\$30,970,225.00
	Partial System Present	4	\$0.00	\$0.00	\$5,000.00	\$2,500.00	\$7,500.00	Unknown
	Present	22	\$930,400.00	\$210,000.00	\$169,400.00	\$45,500.00	\$214,900.00	\$925,500.00
	Undetermined	137	\$2,129,285.00	\$481,499.00	\$1,404,001.00	\$420,006.00	\$1,824,007.00	\$786,777.00
	Total	6,582	\$88,242,846.00	\$13,986,611.00	\$32,435,676.00	\$10,445,986.00	\$42,881,662.00	\$59,347,795.00
	Automatic Extinguishment System Operation	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
	Fire Too Small To Activate The System	3	\$190,400.00	\$30,000.00	\$1,900.00	\$500.00	\$2,400.00	\$218,000.00
	Information Not Provided By Fire Department	7	\$140,000.00	\$30,000.00	\$142,500.00	\$30,000.00	\$172,500.00	Unknown
	Other	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	System Did Not Operate	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
System Operated And Was Effective	6	\$0.00	\$0.00	\$15,000.00	\$7,500.00	\$22,500.00	Unknown	
Undetermined	1	\$600,000.00	\$150,000.00	\$15,000.00	\$10,000.00	\$25,000.00	\$725,000.00	
Total	26	\$930,400.00	\$210,000.00	\$174,400.00	\$48,000.00	\$222,400.00	\$918,000.00	
Automatic Extinguishment System Failure Reason	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved	
Fire Not In Area Protected By The System	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Undetermined	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved	
1	6	\$0.00	\$0.00	\$15,000.00	\$7,500.00	\$22,500.00	Unknown	
Total	6	\$0.00	\$0.00	\$15,000.00	\$7,500.00	\$22,500.00	Unknown	

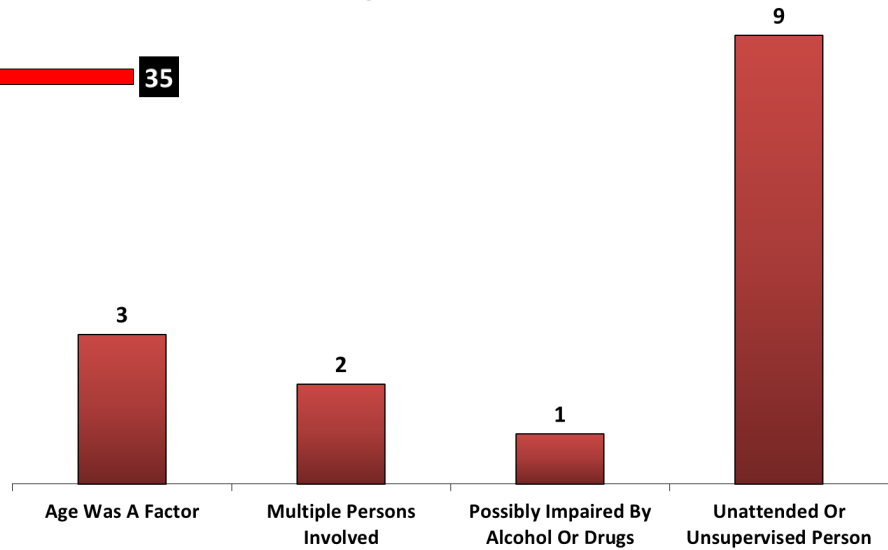
Multifamily Dwelling Structure Fires	Automatic Extinguishment System Presence	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
	AES Presence Not A Required Entry	3,826	\$32,637,417.00	\$4,571,274.00	\$78,635.00	\$51,144.00	\$129,779.00	\$37,078,912.00
	Information Not Provided By Fire Department	162	\$702,700.00	\$31,000.00	\$52,900.00	\$20,551.00	\$73,451.00	\$660,249.00
	None Present	604	\$15,744,820.00	\$1,954,374.00	\$8,525,523.00	\$2,425,033.00	\$10,950,556.00	\$6,748,638.00
	Partial System Present	7	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	Present	90	\$42,034,801.00	\$458,401.00	\$159,103.00	\$90,254.00	\$249,357.00	\$42,243,845.00
	Undetermined	49	\$775,000.00	\$150,000.00	\$70,800.00	\$21,600.00	\$92,400.00	\$832,600.00
	Total	4,738	\$91,894,738.00	\$7,165,049.00	\$8,886,961.00	\$2,608,582.00	\$11,495,543.00	\$87,564,244.00
	Automatic Extinguishment System Operation	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved
	Fire Too Small To Activate The System	30	\$7,548,800.00	\$308,200.00	\$30,401.00	\$1,102.00	\$31,503.00	\$7,825,497.00
	Information Not Provided By Fire Department	23	\$1,000.00	\$200.00	\$1,500.00	\$1,700.00	\$3,200.00	Unknown
	System Did Not Operate	10	\$0.00	\$0.00	\$3,700.00	\$250.00	\$3,950.00	Unknown
	System Operated And Was Effective	29	\$34,485,001.00	\$150,001.00	\$123,502.00	\$87,202.00	\$210,704.00	\$34,424,298.00
System Operated And Was Not Effective	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Undetermined	4	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	97	\$42,034,801.00	\$458,401.00	\$159,103.00	\$90,254.00	\$249,357.00	\$42,243,845.00	
Automatic Extinguishment System Failure Reason	Incidents	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved	
Fire Not In Area Protected By The System	6	\$0.00	\$0.00	\$3,700.00	\$250.00	\$3,950.00	Unknown	
Inappropriate System For The Type Of Fire	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Information Not Provided By Fire Department	2	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Undetermined	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	10	\$0.00	\$0.00	\$3,700.00	\$250.00	\$3,950.00	Unknown	
Number Of Sprinkler Heads Activated	Frequency Of Occurrence	Property Value	Contents Value	Property Loss	Contents Loss	Total Dollar Loss	Total Dollar Saved	
1	28	\$34,250,001.00	\$50,001.00	\$98,502.00	\$27,202.00	\$125,704.00	\$34,174,298.00	
3	1	\$235,000.00	\$100,000.00	\$25,000.00	\$60,000.00	\$85,000.00	\$250,000.00	
4	1	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
Total	30	\$34,485,001.00	\$150,001.00	\$123,502.00	\$87,202.00	\$210,704.00	\$34,424,298.00	

SCHOOL FIRES

School Fires By County



Human Factors Contributing To The Ignition Of School Fires

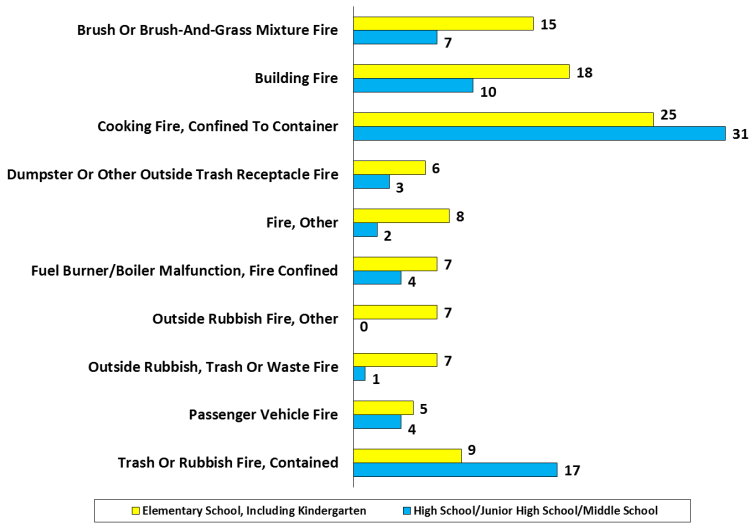


School Fires By Specific Property Use

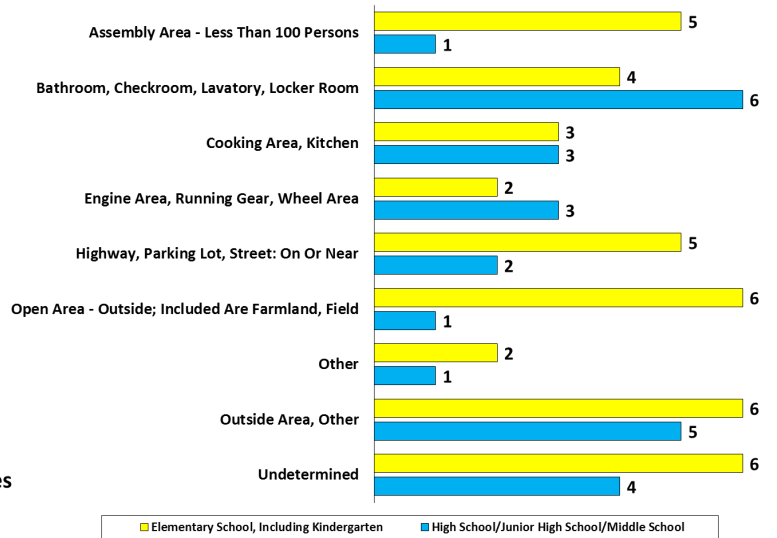
Educational Property Use	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Adult Education Center, College Classroom	42	\$4,001.00	\$10,252.00	\$14,253.00
Day Care, In Commercial Property	32	\$2.00	\$2.00	\$4.00
Day Care, In Residence, Licensed	11	\$0.00	\$100.00	\$100.00
Educational, Other	23	\$28,100.00	\$0.00	\$28,100.00
Elementary School, Including Kindergarten	120	\$12,001.00	\$4,551.00	\$16,552.00
High School/Junior High School/Middle School	84	\$6,106.00	\$111.00	\$6,217.00
Preschool	26	\$1,000.00	\$250.00	\$1,250.00
Schools, Non-Adult, Other	20	\$100.00	\$0.00	\$100.00
Total	358	\$51,310.00	\$15,266.00	\$66,576.00

SCHOOL FIRES

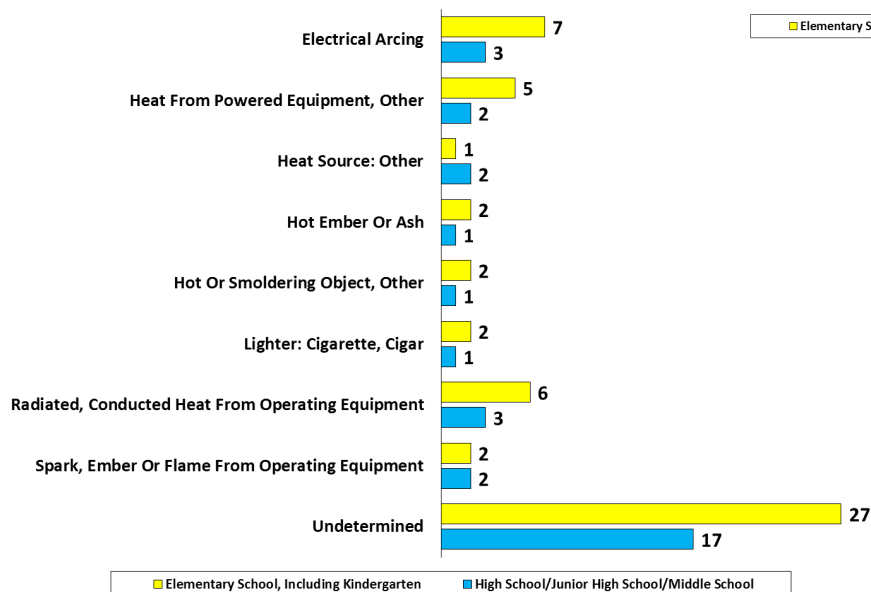
Most Frequent School Fires By Incident Type



Most Frequent Area Of Fire Origin

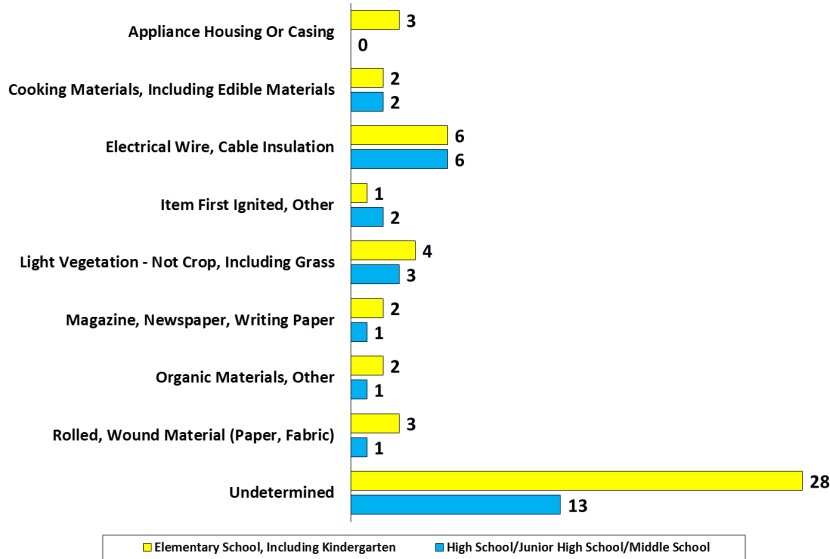


Most Frequent Heat Source Of School Fires



SCHOOL FIRES

Most Frequent Item First Ignited



Data Collected From The NFIRS System As Submitted By Fire Departments

Age As Factor Contributing To Ignition

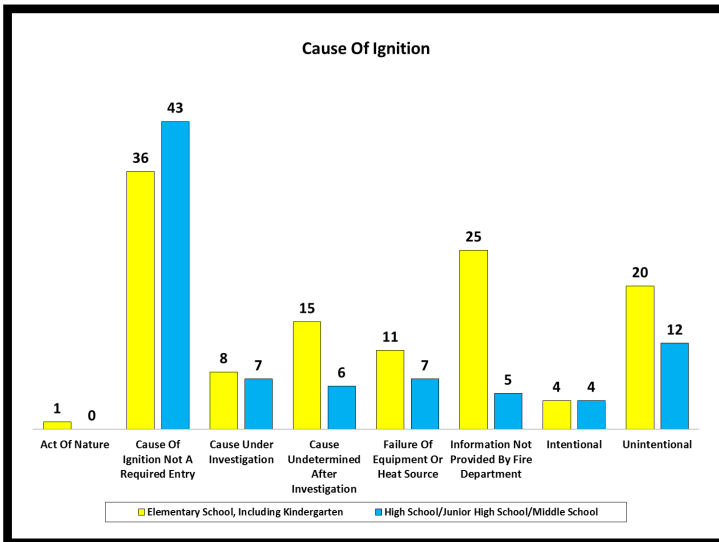
Age	Male	Female	Total
6		1	1
15	1		1
44		1	1
Total	1	2	3

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	FEMALE	UNKNOWN	TOTAL
7	1			1
10	1			1
11		1		1
12		1		1
14	1			1
15	1	1		2
16	3			3
17	3	1		4
Unknown	1		4	5
TOTAL	11	4	4	19

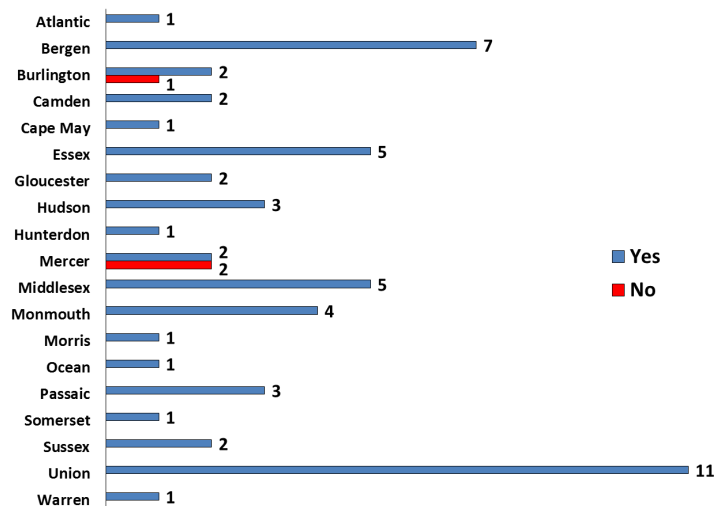
Cause Of Ignition



Reported Fire Incidents In Educational Property Uses

County	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Atlantic	10	\$4,000.00	\$0.00	\$4,000.00
Bergen	34	\$28,600.00	\$11,001.00	\$39,601.00
Burlington	11	\$9,000.00	\$350.00	\$9,350.00
Camden	14	\$100.00	\$5.00	\$105.00
Cumberland	1	\$0.00	\$0.00	\$0.00
Essex	61	\$1,100.00	\$400.00	\$1,500.00
Gloucester	4	\$0.00	\$0.00	\$0.00
Hudson	67	\$3.00	\$3.00	\$6.00
Hunterdon	3	\$0.00	\$0.00	\$0.00
Mercer	29	\$1.00	\$1.00	\$2.00
Middlesex	25	\$5,001.00	\$1.00	\$5,002.00
Monmouth	14	\$0.00	\$0.00	\$0.00
Morris	12	\$0.00	\$0.00	\$0.00
Ocean	13	\$0.00	\$0.00	\$0.00
Passaic	15	\$0.00	\$0.00	\$0.00
Salem	1	\$3,500.00	\$0.00	\$3,500.00
Somerset	5	\$0.00	\$0.00	\$0.00
Sussex	3	\$0.00	\$0.00	\$0.00
Union	35	\$5.00	\$3,505.00	\$3,510.00
Warren	1	\$0.00	\$0.00	\$0.00
Total	358	\$51,310.00	\$15,266.00	\$66,576.00

Fire Department Notified Of School Fire By County



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	38				4	
Day Care, In Commercial Property	31				1		32
Day Care, In Residence, Licensed	9		1		1		11
Educational, Other	20				3		23
Elementary School, Including Kindergarten	91		8	1	18	2	120
High School/Junior High School/Middle School	68		2	1	13		84
Preschool	18		1		7		26
Schools, Non-Adult, Other	19		1				20
Total	294		13	2	47	2	358

Detector Operation	Educational Property Use	Detector Failed To Operate	Detector Operated	Fire Too Small To Activate Detector	Undetermined	Total
	Adult Education Center, College Classroom			3	1	
Day Care, In Commercial Property					1	1
Day Care, In Residence, Licensed			1			1
Educational, Other	1		2			3
Elementary School, Including Kindergarten			13	5		18
High School/Junior High School/Middle School			7	5	1	13
Preschool			3	4		7
Total		1	29	15	2	47

Detector Effectiveness	Educational Property Use	Detector Alerted Occupants, Occupants Failed To Respond	Detector Alerted Occupants, Occupants Responded	There Were No Occupants	Undetermined	Total
	Adult Education Center, College Classroom			3		
Day Care, In Residence, Licensed			1			1
Educational, Other			2			2
Elementary School, Including Kindergarten	1		10	1	1	13
High School/Junior High School/Middle School			6	1		7
Preschool	1		2			3
Total		2	24	2	1	29

Automatic Extinguishment System Presence	Educational Property Use	AES Presence Not A Required Entry	Information Not Provided By Fire Department	None Present	Present	Undetermined	Total
	Adult Education Center, College Classroom	38				4	
Day Care, In Commercial Property	31					1	32
Day Care, In Residence, Licensed	9		1		1		11
Educational, Other	20			1	2		23
Elementary School, Including Kindergarten	91		8	14	5	2	120
High School/Junior High School/Middle School	68		2	7	5	2	84
Preschool	18		1	1	6		26
Schools, Non-Adult, Other	19		1				20
Total	294		13	23	23	5	358

Automatic Extinguishment System Operation	Educational Property Use	Fire Too Small To Activate The System	Information Not Provided By Fire Department	Other	System Did Not Operate	System Operated And Was Effective	Total
	Adult Education Center, College Classroom			3		1	
Day Care, In Residence, Licensed						1	1
Educational, Other			1		1		2
Elementary School, Including Kindergarten	2			1	1	1	5
High School/Junior High School/Middle School	2		2		1		5
Preschool	3		3				6
Total		7	9	1	4	2	23

OTHER PROPERTY USE FIRES

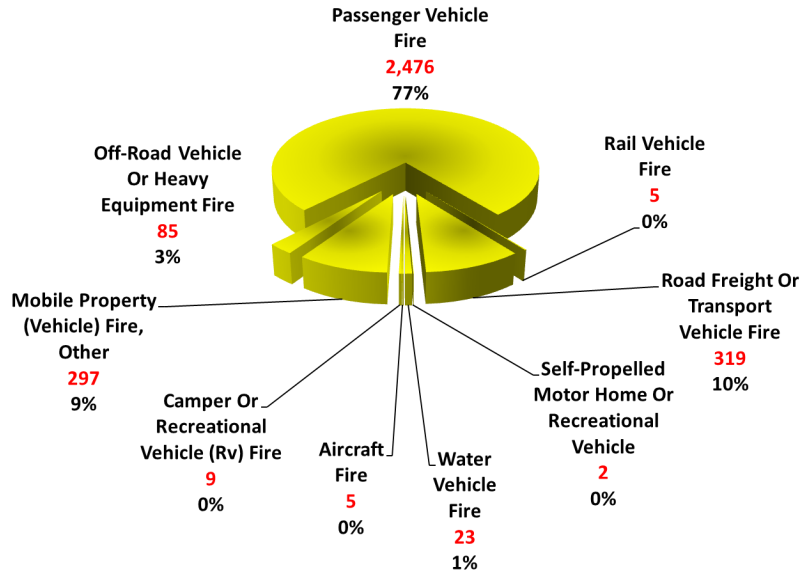
All Nursing Home Fire Incident Types				
Incident Type	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Brush Or Brush-And-Grass Mixture Fire	5	\$0.00	\$0.00	\$0.00
Building Fire	19	\$11,520.00	\$1,175.00	\$12,695.00
Cooking Fire, Confined To Container	98	\$400.00	\$610.00	\$1,010.00
Fire, Other	6	\$1,000.00	\$1,000.00	\$2,000.00
Fires In Structure Other Than In A Building	2	\$5,000.00	\$500.00	\$5,500.00
Fuel Burner/Boiler Malfunction, Fire Confined	1	\$0.00	\$0.00	\$0.00
Grass Fire	1	\$0.00	\$0.00	\$0.00
Incinerator Overload Or Malfunction, Fire Confined	1	\$0.00	\$0.00	\$0.00
Mulch Fire	2	\$0.00	\$0.00	\$0.00
Outside Rubbish Fire, Other	1	\$0.00	\$0.00	\$0.00
Outside Rubbish, Trash Or Waste Fire	4	\$0.00	\$0.00	\$0.00
Passenger Vehicle Fire	3	\$0.00	\$0.00	\$0.00
Trash Or Rubbish Fire, Contained	1	\$0.00	\$0.00	\$0.00
Total	144	\$17,920.00	\$3,285.00	\$21,205.00

Most Frequent Restaurant Fire Incident Types				
Incident Type	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Brush Or Brush-And-Grass Mixture Fire	23	\$3,202.00	\$2.00	\$3,204.00
Building Fire	55	\$958,651.00	\$541,054.00	\$1,499,705.00
Cooking Fire, Confined To Container	142	\$5,210.00	\$1,701.00	\$6,911.00
Dumpster Or Other Outside Trash Receptacle Fire	12	\$325.00	\$0.00	\$325.00
Fire, Other	8	\$0.00	\$0.00	\$0.00
Mulch Fire	30	\$100.00	\$0.00	\$100.00
Outside Rubbish, Trash Or Waste Fire	7	\$1.00	\$1.00	\$2.00
Passenger Vehicle Fire	4	\$2,000.00	\$0.00	\$2,000.00
Special Outside Fire, Other	5	\$100.00	\$0.00	\$100.00
Trash Or Rubbish Fire, Contained	14	\$1.00	\$1.00	\$2.00

Most Frequent Food And Beverage Sales/Grocery Store Fire Incident Types				
Incident Type	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Brush Or Brush-And-Grass Mixture Fire	29	\$0.00	\$0.00	\$0.00
Building Fire	48	\$2,204,501.00	\$1,128,001.00	\$3,332,502.00
Cooking Fire, Confined To Container	114	\$0.00	\$1,005.00	\$1,005.00
Dumpster Or Other Outside Trash Receptacle Fire	8	\$0.00	\$0.00	\$0.00
Fire, Other	18	\$1,450.00	\$5,400.00	\$6,850.00
Mulch Fire	21	\$0.00	\$0.00	\$0.00
Natural Vegetation Fire, Other	8	\$0.00	\$0.00	\$0.00
Outside Rubbish Fire, Other	10	\$0.00	\$0.00	\$0.00
Outside Rubbish, Trash Or Waste Fire	14	\$300.00	\$0.00	\$300.00
Passenger Vehicle Fire	14	\$13,000.00	\$1,500.00	\$14,500.00
Trash Or Rubbish Fire, Contained	10	\$0.00	\$0.00	\$0.00

Most Frequent Business Office Fire Incident Types				
Incident Type	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Brush Or Brush-And-Grass Mixture Fire	39	\$1,210.00	\$10.00	\$1,220.00
Building Fire	22	\$407,601.00	\$107,051.00	\$514,652.00
Cooking Fire, Confined To Container	66	\$51.00	\$4.00	\$55.00
Dumpster Or Other Outside Trash Receptacle Fire	7	\$1,250.00	\$100.00	\$1,350.00
Fire, Other	10	\$1,000.00	\$500.00	\$1,500.00
Mulch Fire	33	\$5.00	\$5.00	\$10.00
Outside Rubbish Fire, Other	8	\$0.00	\$0.00	\$0.00
Outside Rubbish, Trash Or Waste Fire	13	\$0.00	\$0.00	\$0.00
Passenger Vehicle Fire	8	\$25,000.00	\$1,000.00	\$26,000.00
Trash Or Rubbish Fire, Contained	9	\$0.00	\$0.00	\$0.00

VEHICLE FIRES



Picture courtesy of Bill Tompkins:
Clifton, New Jersey; February 22, 2015

Pasenger Vehicle Fires	County	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Atlantic	81	\$680,447.00	\$32,302.00	\$712,749.00
	Bergen	175	\$838,452.00	\$103,052.00	\$941,504.00
	Burlington	155	\$579,957.00	\$129,602.00	\$709,559.00
	Camden	152	\$287,906.00	\$13,351.00	\$301,257.00
	Cape May	27	\$30,100.00	\$2,200.00	\$32,300.00
	Cumberland	76	\$62,605.00	\$7,550.00	\$70,155.00
	Essex	292	\$714,805.00	\$236,006.00	\$950,811.00
	Gloucester	70	\$107,500.00	\$3,850.00	\$111,350.00
	Hudson	169	\$81,107.00	\$8,917.00	\$90,024.00
	Hunterdon	35	\$34,200.00	\$0.00	\$34,200.00
	Mercer	135	\$124,003.00	\$9,003.00	\$133,006.00
	Middlesex	248	\$680,885.00	\$16,736.00	\$697,621.00
	Monmouth	171	\$336,500.00	\$6,200.00	\$342,700.00
Morris	111	\$169,501.00	\$3,302.00	\$172,803.00	
Ocean	91	\$4,500.00	\$1,000.00	\$5,500.00	
Passaic	137	\$409,601.00	\$15,501.00	\$425,102.00	
Salem	17	\$18,000.00	\$0.00	\$18,000.00	
Somerset	69	\$71,600.00	\$5,500.00	\$77,100.00	
Sussex	36	\$30,000.00	\$400.00	\$30,400.00	
Union	187	\$527,468.00	\$13,750.00	\$541,218.00	
Warren	42	\$93,450.00	\$6,025.00	\$99,475.00	
Total	2,476	\$5,882,587.00	\$614,247.00	\$6,496,834.00	

All Other Vehicle Fires	County	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Atlantic	21	\$50,000.00	\$3,000.00	\$53,000.00
	Bergen	72	\$227,068.00	\$37,008.00	\$264,076.00
	Burlington	37	\$1,057,500.00	\$201,800.00	\$1,259,300.00
	Camden	24	\$200,500.00	\$18,000.00	\$218,500.00
	Cape May	15	\$500.00	\$0.00	\$500.00
	Cumberland	21	\$184,025.00	\$40,500.00	\$224,525.00
	Essex	76	\$946,000.00	\$11,500.00	\$957,500.00
	Gloucester	35	\$850,000.00	\$11,100.00	\$861,100.00
	Hudson	45	\$3.00	\$2.00	\$5.00
	Hunterdon	19	\$56,500.00	\$3,000.00	\$59,500.00
	Mercer	41	\$108,002.00	\$752.00	\$108,754.00
	Middlesex	80	\$157,501.00	\$89,101.00	\$246,602.00
	Monmouth	48	\$12,250.00	\$0.00	\$12,250.00
Morris	38	\$36,000.00	\$2,500.00	\$38,500.00	
Ocean	29	\$0.00	\$0.00	\$0.00	
Passaic	30	\$73,350.00	\$25,002.00	\$98,352.00	
Salem	10	\$3,000.00	\$0.00	\$3,000.00	
Somerset	20	\$4,000.00	\$0.00	\$4,000.00	
Sussex	9	\$0.00	\$2,000.00	\$2,000.00	
Union	58	\$107,400.00	\$8,500.00	\$115,900.00	
Warren	17	\$155,600.00	\$27,100.00	\$182,700.00	
Total	745	\$4,229,199.00	\$480,865.00	\$4,710,064.00	

VEHICLE FIRES

Passenger Vehicle Fires	Cause Of Ignition	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Act Of Nature	7	\$20,501.00	\$3,501.00	\$24,002.00
	Cause Under Investigation	370	\$1,519,109.00	\$224,713.00	\$1,743,822.00
	Cause Undetermined After Investigation	623	\$1,582,859.00	\$50,554.00	\$1,633,413.00
	Failure Of Equipment Or Heat Source	424	\$488,527.00	\$48,956.00	\$537,483.00
	Information Not Provided By Fire Department	107	\$107,200.00	\$27,700.00	\$134,900.00
	Intentional	40	\$372,010.00	\$10.00	\$372,020.00
	Unintentional	905	\$1,792,381.00	\$258,813.00	\$2,051,194.00
Total	2,476	\$5,882,587.00	\$614,247.00	\$6,496,834.00	

All Other Vehicle Fires	Cause Of Ignition	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Act Of Nature	3	\$0.00	\$0.00	\$0.00
	Cause Under Investigation	100	\$1,424,001.00	\$62,101.00	\$1,486,102.00
	Cause Undetermined After Investigation	175	\$1,293,602.00	\$75,202.00	\$1,368,804.00
	Failure Of Equipment Or Heat Source	149	\$919,850.00	\$90,100.00	\$1,009,950.00
	Information Not Provided By Fire Department	39	\$30,000.00	\$4,500.00	\$34,500.00
	Intentional	9	\$8,000.00	\$0.00	\$8,000.00
	Unintentional	270	\$553,746.00	\$248,962.00	\$802,708.00
Total	745	\$4,229,199.00	\$480,865.00	\$4,710,064.00	

Passenger Vehicle Fires	Most Frequent Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Cargo/Trunk Area - All Vehicles	71	\$85,701.00	\$4,101.00	\$89,802.00
	Engine Area, Running Gear, Wheel Area	1,295	\$3,398,337.00	\$231,780.00	\$3,630,117.00
	Exterior, Exposed Surface	43	\$87,760.00	\$51,010.00	\$138,770.00
	Fuel Tank, Fuel Line	19	\$85,000.00	\$5,000.00	\$90,000.00
	Highway, Parking Lot, Street: On Or Near	41	\$36,674.00	\$1,101.00	\$37,775.00
	Operator/Passenger Area Of Transportation Equipment	166	\$687,003.00	\$128,928.00	\$815,931.00
	Outside Area, Other	20	\$12,000.00	\$1,000.00	\$13,000.00
	Undetermined	478	\$1,142,887.00	\$18,953.00	\$1,161,840.00
	Vehicle Area, Other	198	\$267,714.00	\$143,562.00	\$411,276.00
Vehicle Storage Area; Garage, Carport	6	\$8,000.00	\$0.00	\$8,000.00	

All Other Vehicle Fires	Most Frequent Area Of Fire Origin	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Cargo/Trunk Area - All Vehicles	48	\$200,502.00	\$327,502.00	\$528,004.00
	Engine Area, Running Gear, Wheel Area	312	\$2,376,664.00	\$43,056.00	\$2,419,720.00
	Exterior, Exposed Surface	37	\$13,500.00	\$100.00	\$13,600.00
	Fuel Tank, Fuel Line	10	\$9,100.00	\$100.00	\$9,200.00
	Highway, Parking Lot, Street: On Or Near	13	\$0.00	\$0.00	\$0.00
	Operator/Passenger Area Of Transportation Equipment	34	\$117,500.00	\$0.00	\$117,500.00
	Outside Area, Other	12	\$27,525.00	\$20,500.00	\$48,025.00
	Separate Operator/Control Area Of Transportation	7	\$1,025,000.00	\$0.00	\$1,025,000.00
	Undetermined	143	\$404,902.00	\$77,101.00	\$482,003.00
Vehicle Area, Other	72	\$39,003.00	\$8,503.00	\$47,506.00	

VEHICLE FIRES

Passenger Vehicle Fires	Most Frequent Heat Source	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Electrical Arcing	134	\$198,752.00	\$82,102.00	\$280,854.00
	Heat From Powered Equipment, Other	168	\$444,108.00	\$59,753.00	\$503,861.00
	Heat Source: Other	105	\$85,502.00	\$53,503.00	\$139,005.00
	Heat, Spark From Friction	31	\$16,651.00	\$2,501.00	\$19,152.00
	Hot Or Smoldering Object, Other	43	\$13,502.00	\$52.00	\$13,554.00
	Multiple Heat Sources Including Multiple Ignitions	17	\$10,501.00	\$101.00	\$10,602.00
	Radiated Heat From Another Fire	13	\$7,000.00	\$0.00	\$7,000.00
	Radiated, Conducted Heat From Operating Equipment	143	\$401,151.00	\$32,811.00	\$433,962.00
	Spark, Ember Or Flame From Operating Equipment	54	\$162,000.00	\$10,750.00	\$172,750.00
Undetermined	1,659	\$4,408,359.00	\$340,537.00	\$4,748,896.00	

All Other Vehicle Fires	Most Frequent Heat Source	Incidents	Property Loss	Contents Loss	Total Dollar Loss
	Electrical Arcing	50	\$87,500.00	\$2,500.00	\$90,000.00
	Heat From Direct Flame, Convection Currents	4	\$6,000.00	\$1,000.00	\$7,000.00
	Heat From Powered Equipment, Other	55	\$1,598,504.00	\$25,604.00	\$1,624,108.00
	Heat Source: Other	27	\$1.00	\$1.00	\$2.00
	Heat, Spark From Friction	23	\$7,500.00	\$80,000.00	\$87,500.00
	Hot Or Smoldering Object, Other	19	\$11,000.00	\$1,600.00	\$12,600.00
	Molten, Hot Material	5	\$1.00	\$10,001.00	\$10,002.00
	Radiated Heat From Another Fire	4	\$23,000.00	\$500.00	\$23,500.00
	Radiated, Conducted Heat From Operating Equipment	70	\$55,411.00	\$204,601.00	\$260,012.00
	Spark, Ember Or Flame From Operating Equipment	21	\$5,025.00	\$0.00	\$5,025.00
	Spontaneous Combustion, Chemical Reaction	4	\$0.00	\$0.00	\$0.00
	Undetermined	427	\$2,418,257.00	\$151,058.00	\$2,569,315.00

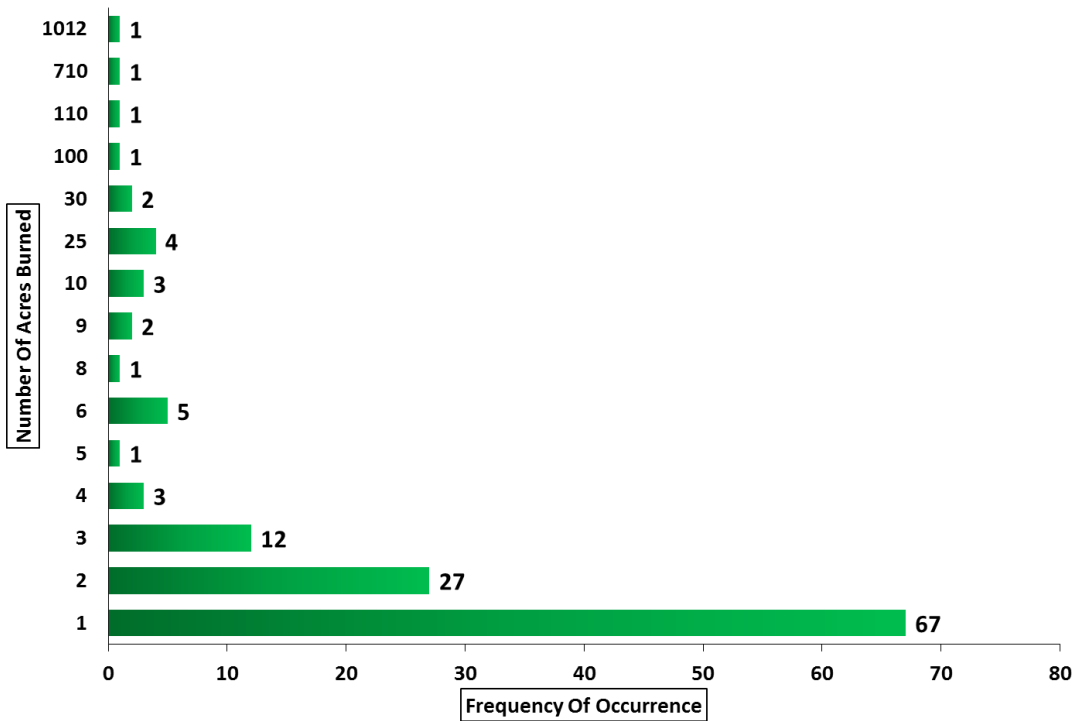
Mobile Property Involvement	Incident Type	Information Not Provided By Fire Department	Mobile Property Involved In Ignition, And Burned	Mobile Property Not Involved In Ignition, But Burned	Mobile Property Was Involved In Ignition, But Did Not Burn	None	Total
	Aircraft Fire		1	2	2		5
	Camper Or Recreational Vehicle (Rv) Fire		7	2			9
	Mobile Property (Vehicle) Fire, Other	11	183	61	42		297
	Off-Road Vehicle Or Heavy Equipment Fire	2	51	12	20		85
	Passenger Vehicle Fire	45	1,792	386	252	1	2,476
	Rail Vehicle Fire		1	3	1		5
	Road Freight Or Transport Vehicle Fire	7	192	51	69		319
	Self-Propelled Motor Home Or Recreational Vehicle	1	1				2
	Water Vehicle Fire		14	6	3		23
	Total	66	2,242	523	389	1	3,221

Passenger Vehicle Fires				
Mobile Property Involvement	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Information Not Provided By Fire Department	45	\$57,200.00	\$27,700.00	\$84,900.00
Mobile Property Involved In Ignition, And Burned	1,792	\$5,607,520.00	\$562,506.00	\$6,170,026.00
Mobile Property Not Involved In Ignition, But Burned	386	\$185,452.00	\$21,127.00	\$206,579.00
Mobile Property Was Involved In Ignition, But Did Not Burn	252	\$32,415.00	\$2,914.00	\$35,329.00
None	1	\$0.00	\$0.00	\$0.00
Total	2,476	\$5,882,587.00	\$614,247.00	\$6,496,834.00

All Other Vehicle Fires				
Mobile Property Involvement	Incidents	Property Loss	Contents Loss	Total Dollar Loss
Information Not Provided By Fire Department	21	\$1,000.00	\$3,000.00	\$4,000.00
Mobile Property Involved In Ignition, And Burned	450	\$3,502,613.00	\$451,164.00	\$3,953,777.00
Mobile Property Not Involved In Ignition, But Burned	137	\$707,500.00	\$25,500.00	\$733,000.00
Mobile Property Was Involved In Ignition, But Did Not Burn	137	\$18,086.00	\$1,201.00	\$19,287.00
Total	745	\$4,229,199.00	\$480,865.00	\$4,710,064.00

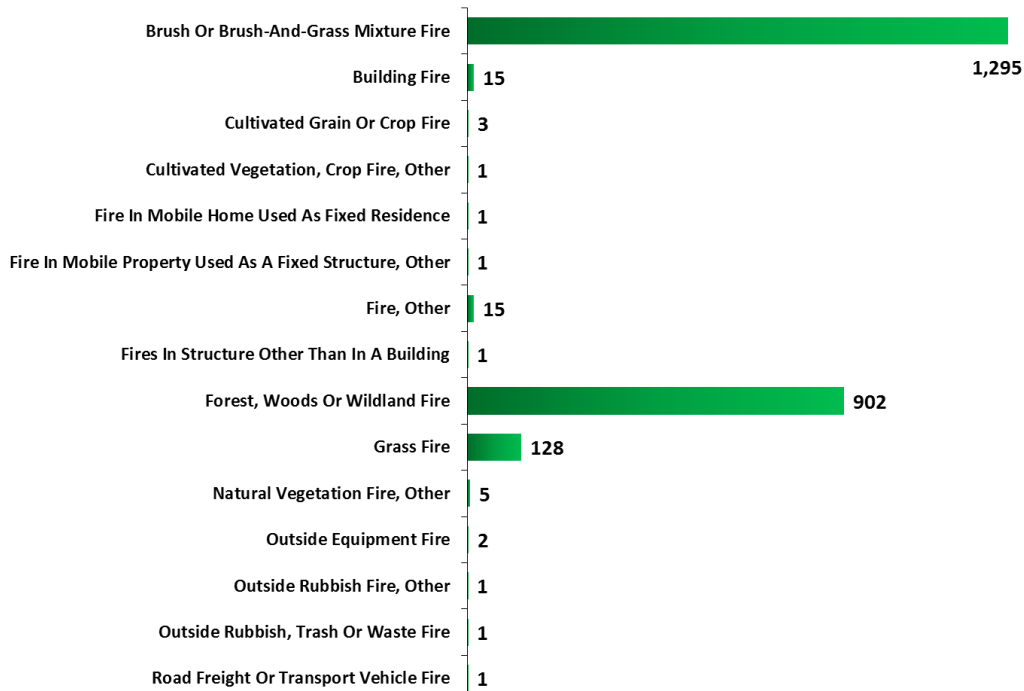
WILDLAND FIRES

Acres Burned

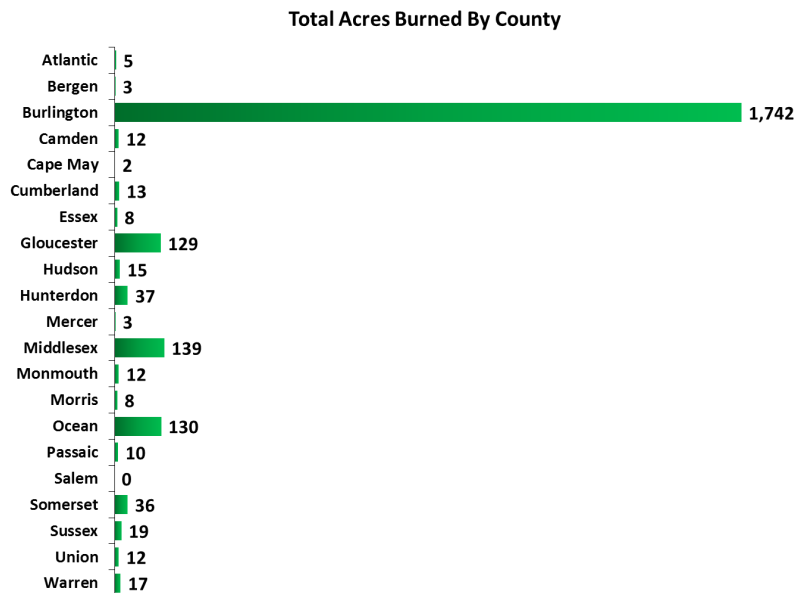
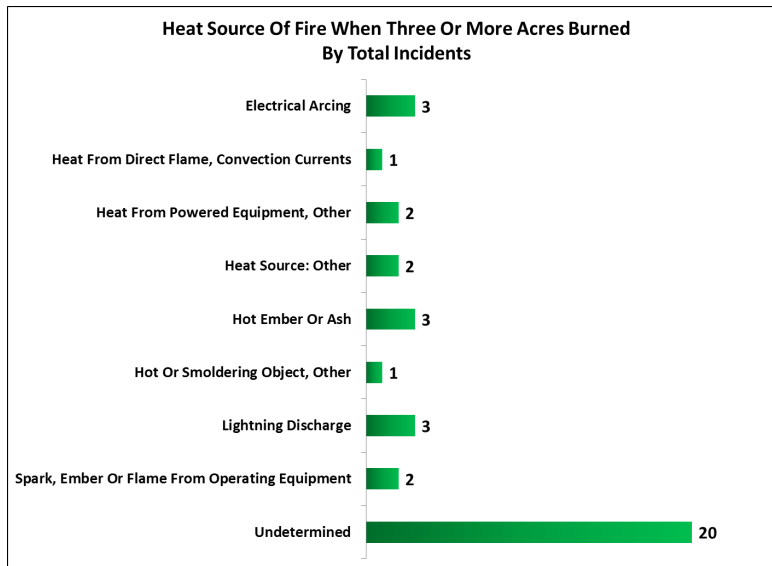
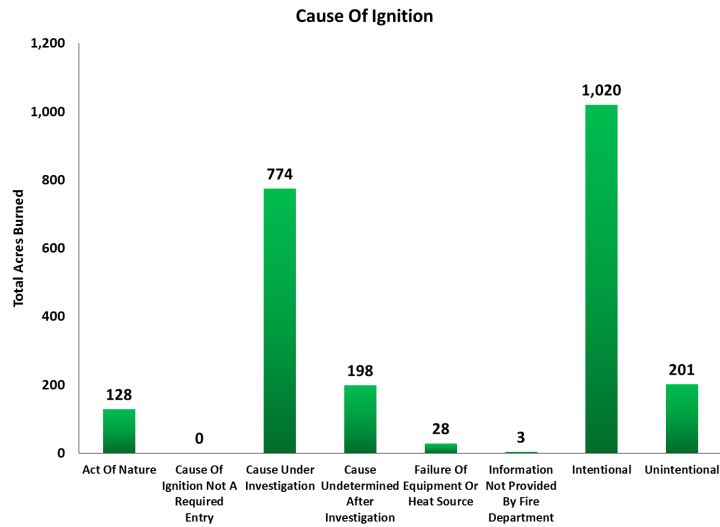


Statewide, 135 fire incidents burned 2,352 acres.

Acres Burned By Incident Type



WILDLAND FIRES



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	Undetermined (Conversion Only)	Water	Water And Ground	Total
Can Or Bottle			1	2	1					4
Container Type, Other					2					2
Cylinder	2	1		1						4
Drum	1									1
Fixed Container, Other	1				1					2
Hose					1					1
Information Not Provided By Fire Department	98	2	2	225	12	43		2	30	414
Machinery Or Process Equipment	13	1		1	1					16
Mobile Container, Other	1	1	1	4	6	1				14
None	3	1			3	1				8
Pipe Or Pipeline	27	17		1				1		46
Portable Container, Other	1	1		3	9	1			1	16
Product Tank On Or Towed By Vehicle			1	1	2				3	7
Tank Or Silo	2	2		1	4				1	10
Undetermined	3				2		1		1	7
Vehicle Fuel Tank And Associated Piping				8	25	1		1	3	38
Total	152	26	5	247	69	47	1	4	39	590

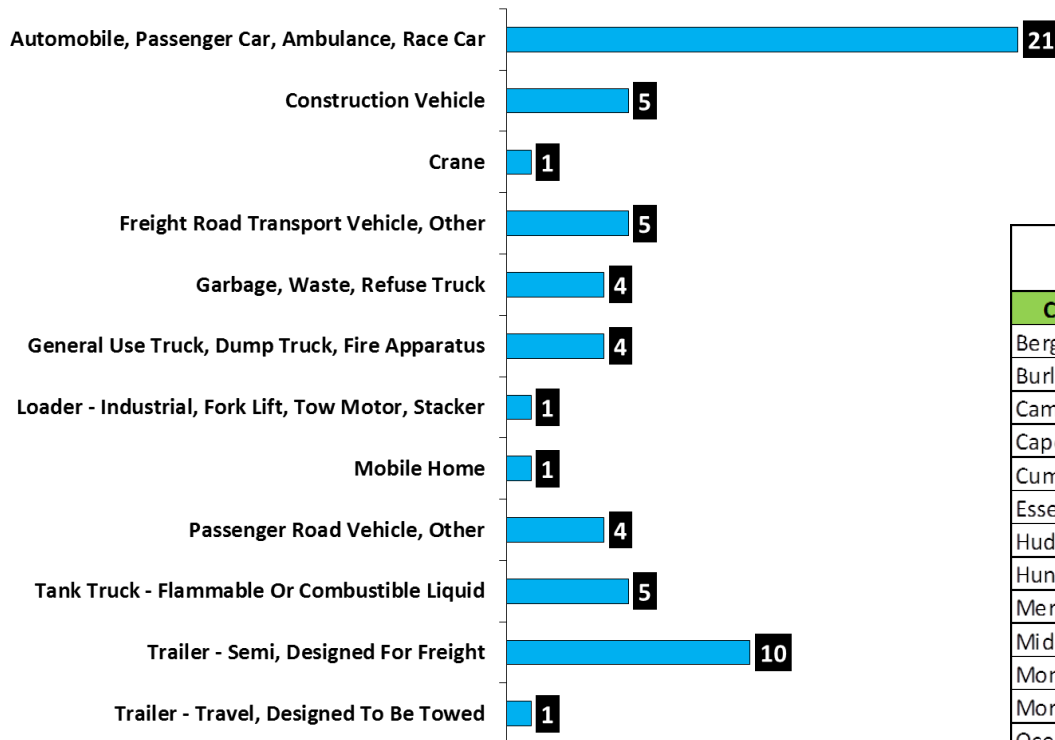
Picture courtesy of Bill Tompkins:
Waldwick, New Jersey; September 13, 2015

Total Release Amounts Of Hazardous Materials



HAZARDOUS MATERIALS RELEASES

Mobile Properties Involved In Hazardous Materials Incidents



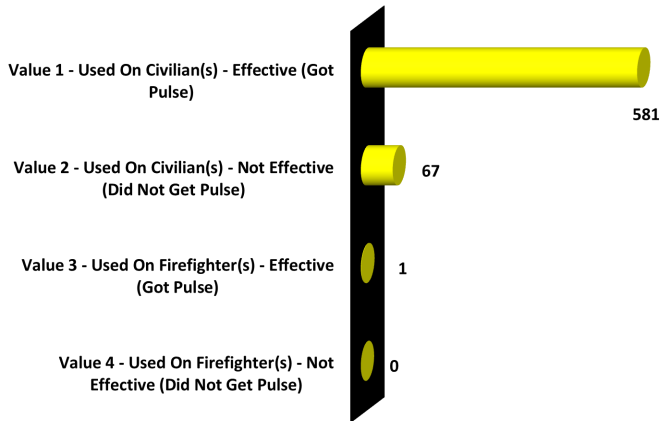
Incidents Involving Hazardous Materials Releases by County		
County	Incidents	Release Amount
Bergen	39	156
Burlington	2	103
Camden	355	12,627
Cape May	5	67
Cumberland	2	45
Essex	6	866
Hudson	28	13,873
Hunterdon	1	
Mercer	5	37
Middlesex	63	750
Monmouth	2	34
Morris	8	542
Ocean	1	3
Passaic	4	1,601
Somerset	2	10
Sussex	3	310
Union	55	4,802,086
Warren	9	483
Total	590	4,833,593

Incident Types That Involved Hazardous Materials Releases	Frequency Of Occurrence
Biological Hazard, Confirmed Or Suspected	20
Brush Or Brush-And-Grass Mixture Fire	1
Building Fire	9
Carbon Monoxide Incident	36
Chemical Hazard (No Spill Or Leak)	3
Chemical Spill Or Leak	22
Combustible/Flammable Gas/Liquid Condition, Other	5
Dumpster Or Other Outside Trash Receptacle Fire	1
Fuel Burner/Boiler Malfunction, Fire Confined	7
Gas Leak (Natural Gas Or LPG)	126
Gasoline Or Other Flammable Liquid Spill	65
Hazardous Condition, Other	2
Motor Vehicle Accident With Injuries	153
Motor Vehicle Accident With No Injuries	67
Off-Road Vehicle Or Heavy Equipment Fire	2
Oil Or Other Combustible Liquid Spill	50
Overpressure Rupture, Explosion, Overheat Other	1
Passenger Vehicle Fire	13
Radiation Leak, Radioactive Material	1
Refrigeration Leak	2
Road Freight Or Transport Vehicle Fire	3
Special Type Of Incident, Other	1
Total	590

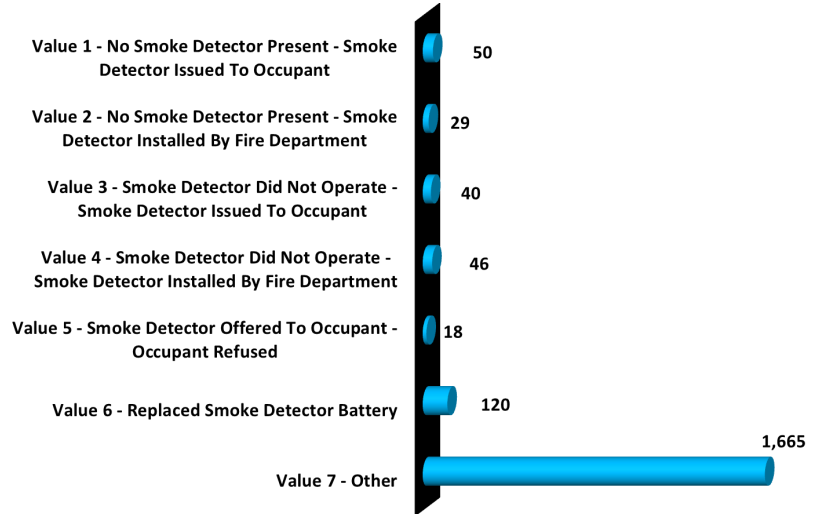
Most Frequent Hazardous Material/Chemical Releases	Frequency Of Occurrence	Sum Of Release Amount	Unit Type Of Release And Amount
Anti Freeze	116	134	Gallons = 133 Ounces (Liquid) = 1
Carbon Monoxide	42	251,930	Parts Per Million = 251,930
Diesel Fuel	26	2,027	Gallons = 2,027
Engine Oil	84	88	Gallons = 88
Fuel Oil #2	10	487	Gallons = 487
Gasoline	57	17,065	Cubic Feet = 100 Gallons = 16,650 Ounces (Liquid) = 315
Human/Animal Bodily Fluids	21	93	Gallons = 5 Liter = 1 Ounces (Liquid) = 87
Natural Gas	100	4,551,776	Cubic Feet = 378 Info. Not Provided By FD = 6 Parts Per Million = 4,550,392 Pounds = 1,000

SPECIAL STUDIES

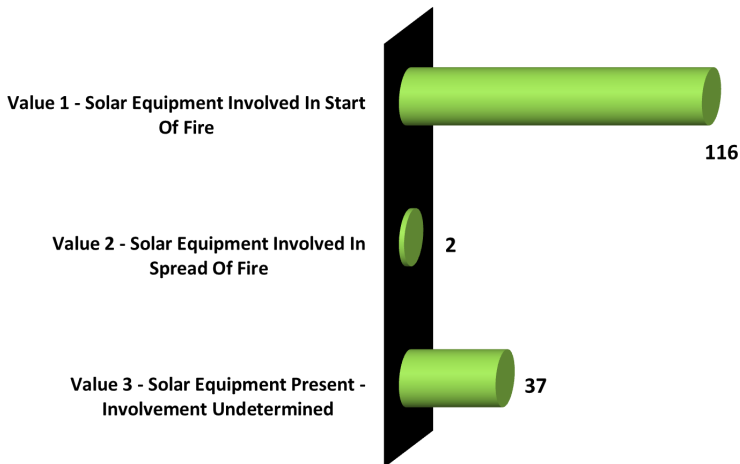
Automatic External Defibrillator Special Study - 7000



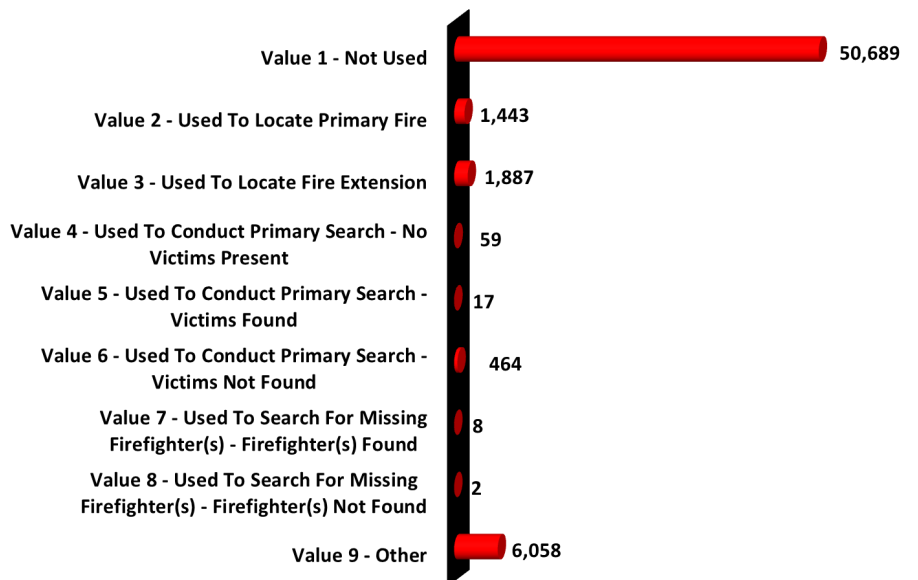
Smoke Detector Special Study - 6100



Solar Equipment Special Study - 8000



Thermal Imaging Camera Special Study - 6000



Picture courtesy of Bill Tompkins:
Totowa, New Jersey; May 10, 2015

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.