

# Comprehensive Risk Assessment 2012

London Fire Department | Dianne Lebold

## Overview

- The overall intention of the risk assessment is to determine the highest risks in the community.
- Used to provide guidance in analyzing the fire risks and in selecting, developing, implementing and evaluating fire prevention programs to improve fire safety.

## Purpose

- To assist fire service managers to plan fire prevention activities.
- Stresses program evaluation.
- Defines fire prevention activities.

## Process

- Needs analysis
- Selection, development and implementation of programs
- Evaluation

## Needs Analysis

- Needs analysis involves assessing the relative fire risks in the community and identifying the significant risks which should be addressed.
- Also involves compiling fire data in regards to numbers of fires, dollar loss, injuries, fatalities, fire cause.

## Program Selection

- Minimum fire prevention programs required under the *Fire Protection and Prevention Act*.
- Further programs mandated based upon the risks identified in the needs analysis and consideration for resources.

## Program Evaluation

- Is essential to ensure the most appropriate use of communities' resources.
- Is an on-going function.

## Inspection Program Goals and Objectives

- Main goal is to achieve an acceptable level of fire safety for the community
- Ensure owners and occupants are complying to relevant legislation

### Inspection Types – Complaint Inspections

- Involves the inspection of hazards and violations brought to the department's attention.
- 728 complaint inspections completed in 2012

### Inspection Types – Request Inspection

- Inspection of property upon request of person concerned with fire safety
- 6 request inspections completed in 2012

### Inspection Types – Routine Inspections

- Conducted on selected properties on a regular basis
- 3,851 completed in 2012

### Inspection Types – Inspections Resulting from Fire

- Completed after a fire.
- Usually requested by Fire Suppression crews

### Inspection Types – Plans Examination/New Construction

- Inspection of properties under construction or renovation prior to occupancy.
- In 2012, 236 plans were reviewed and 582 building permit inspections were completed.

### Inspection Types – Inspections for Licensing

- License inspections are upon request by a person for the purpose of conducting a certain activity.
- Business Licensing
- Liquor Licensing
- Residential Rental Licensing
- In 2012, 283 business license inspections, 36 liquor license inspections, and 281 residential rental license inspections were completed.

### Inspection Types – Recall Inspections

- Progress check to determine compliance achievement.
- 2,437 inspections completed in 2012.

### Type of Inspections – Information Inspections

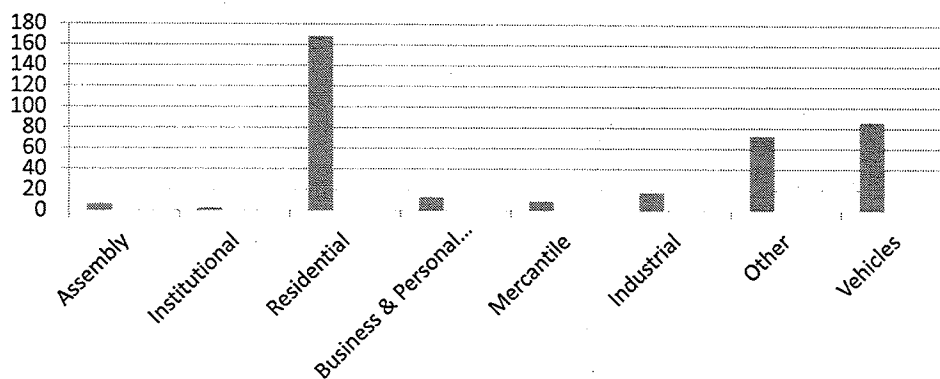
- Involve inspection of properties upon the request of interested parties for purposes of a compliance letter
- E.g. insurance requests, sale of home
- 29 information inspections completed in 2012

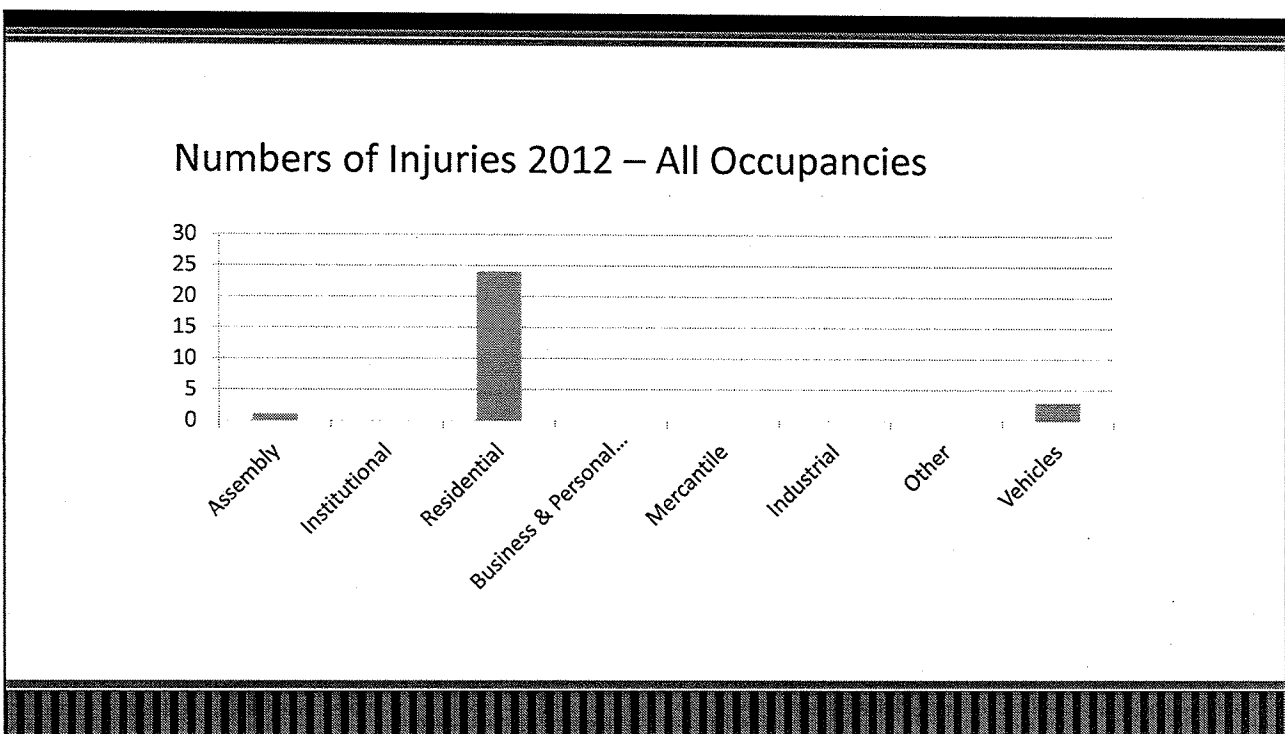
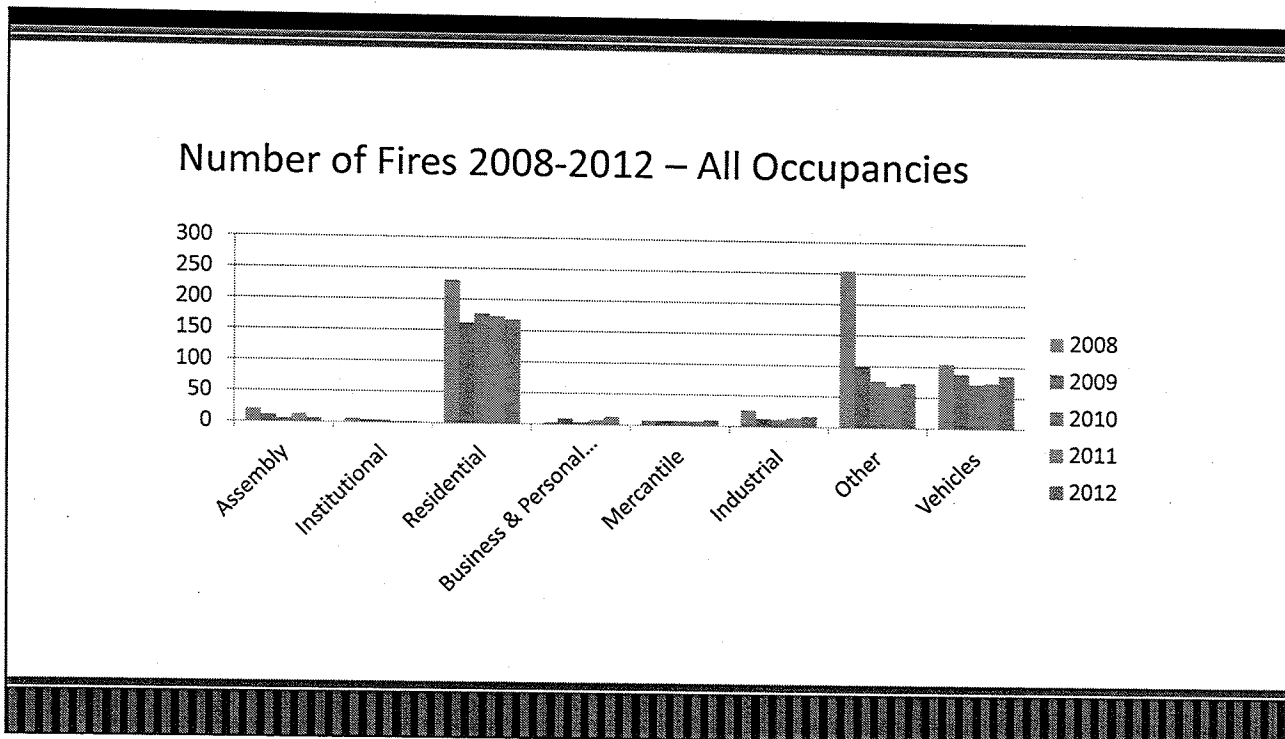


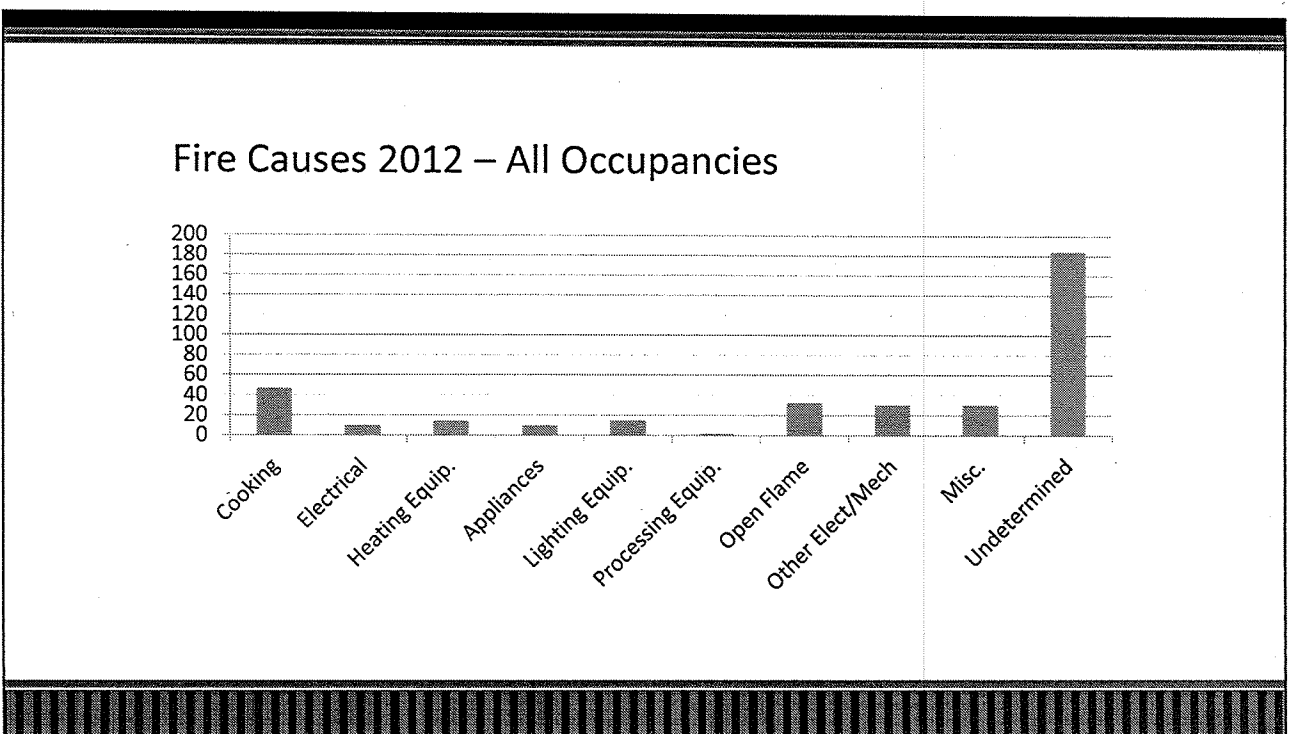
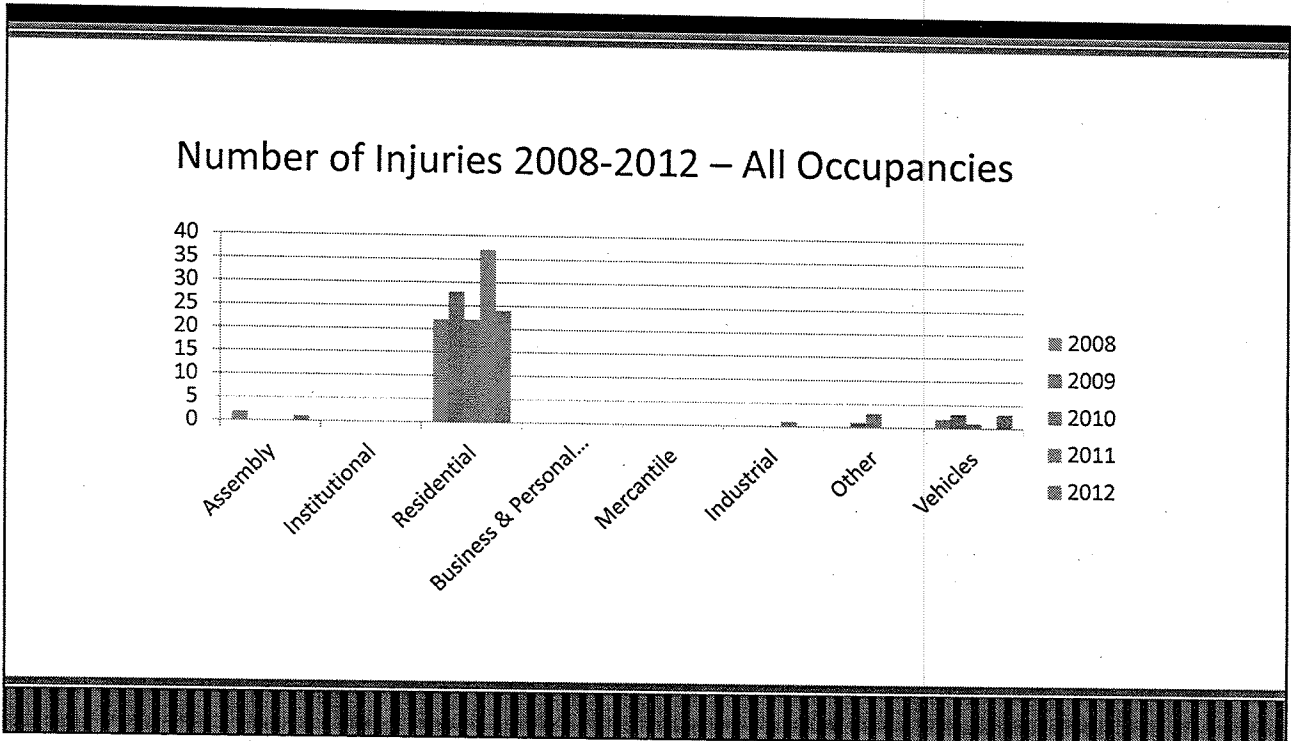
### Specialized Inspection Programs

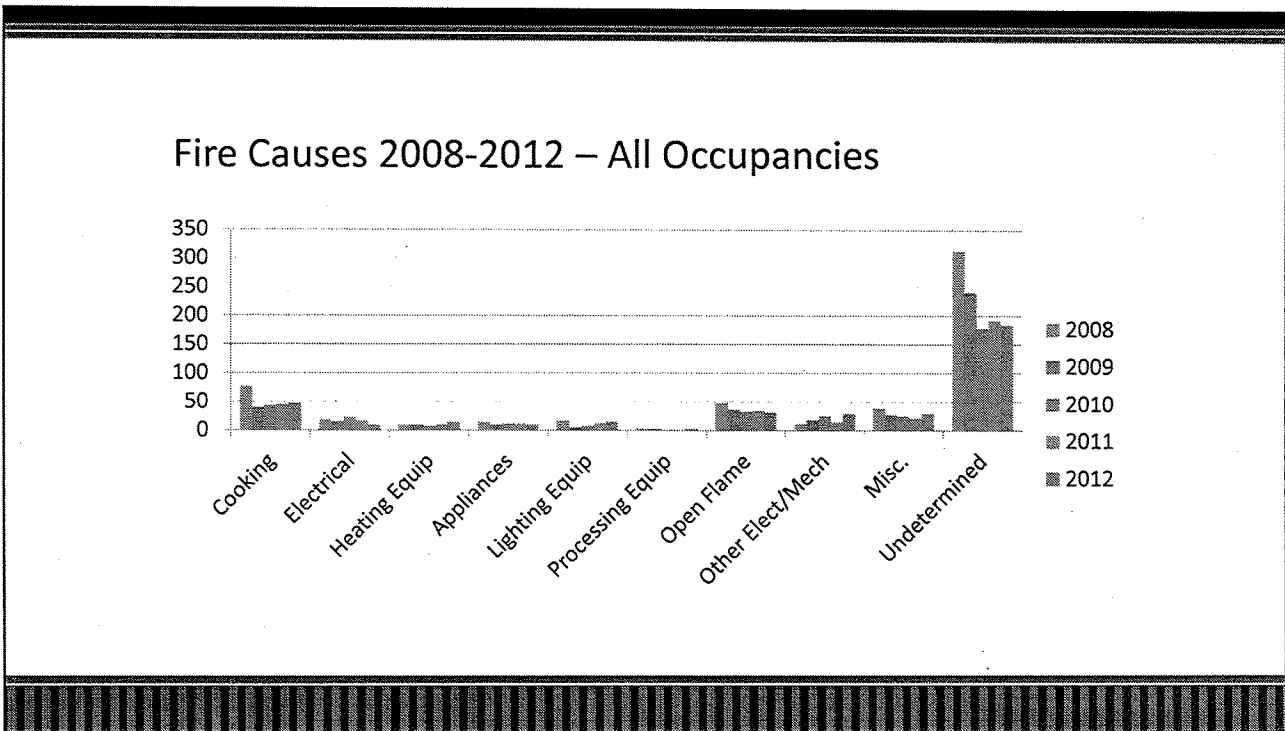
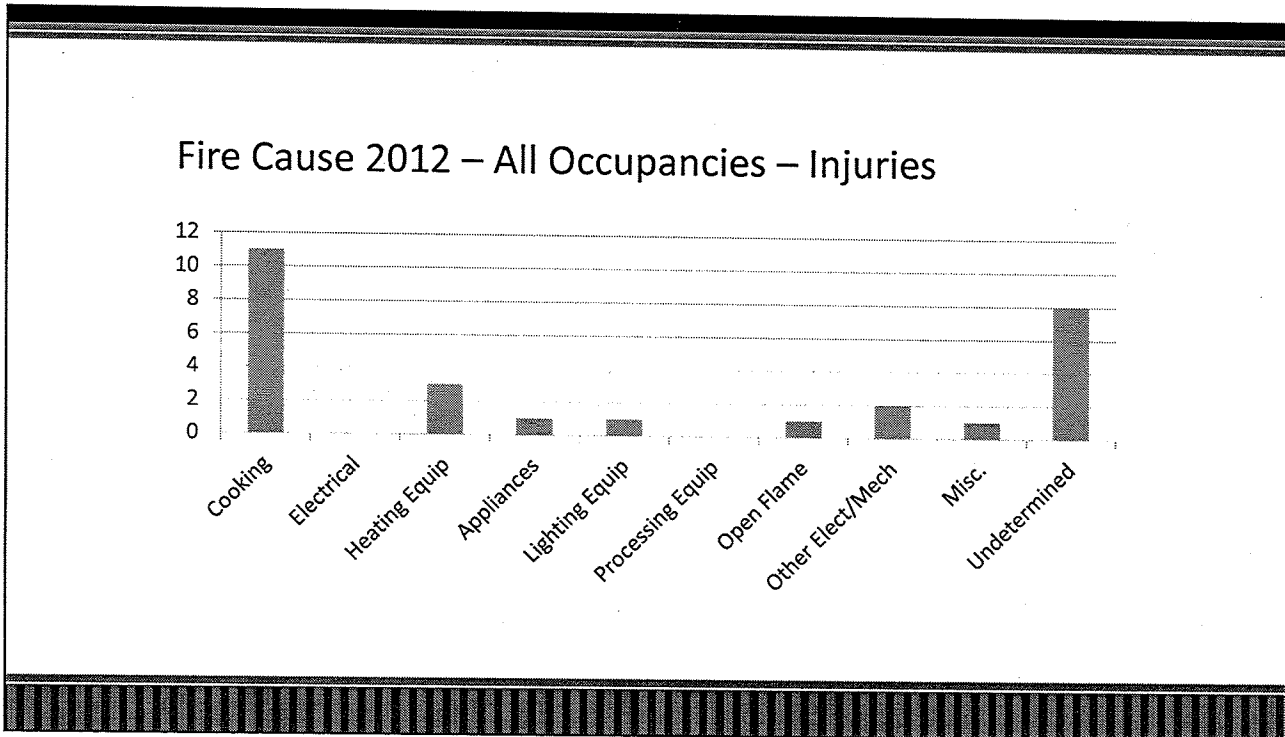
- Health care facilities
- Hoarding complaints

### Number of Fires 2012 – All Occupancies

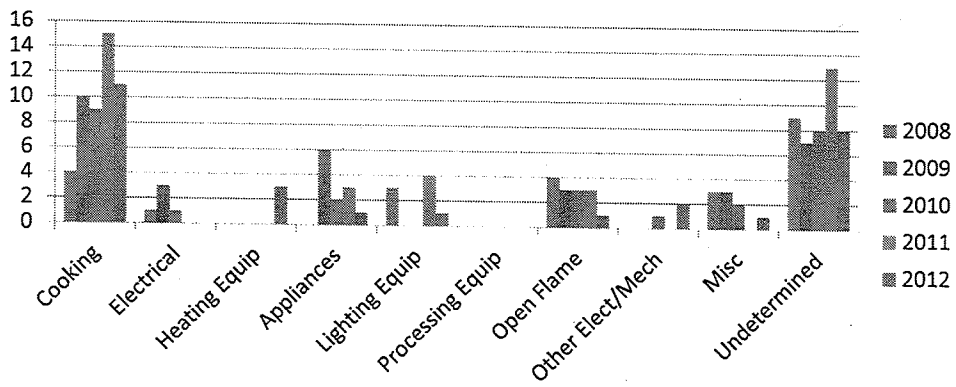




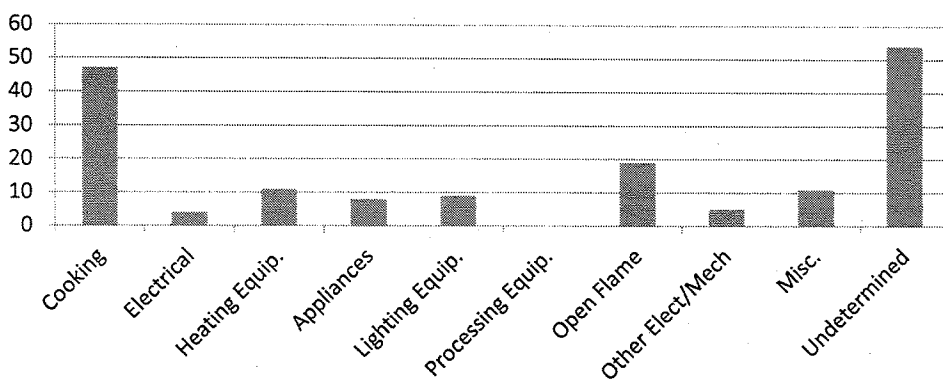


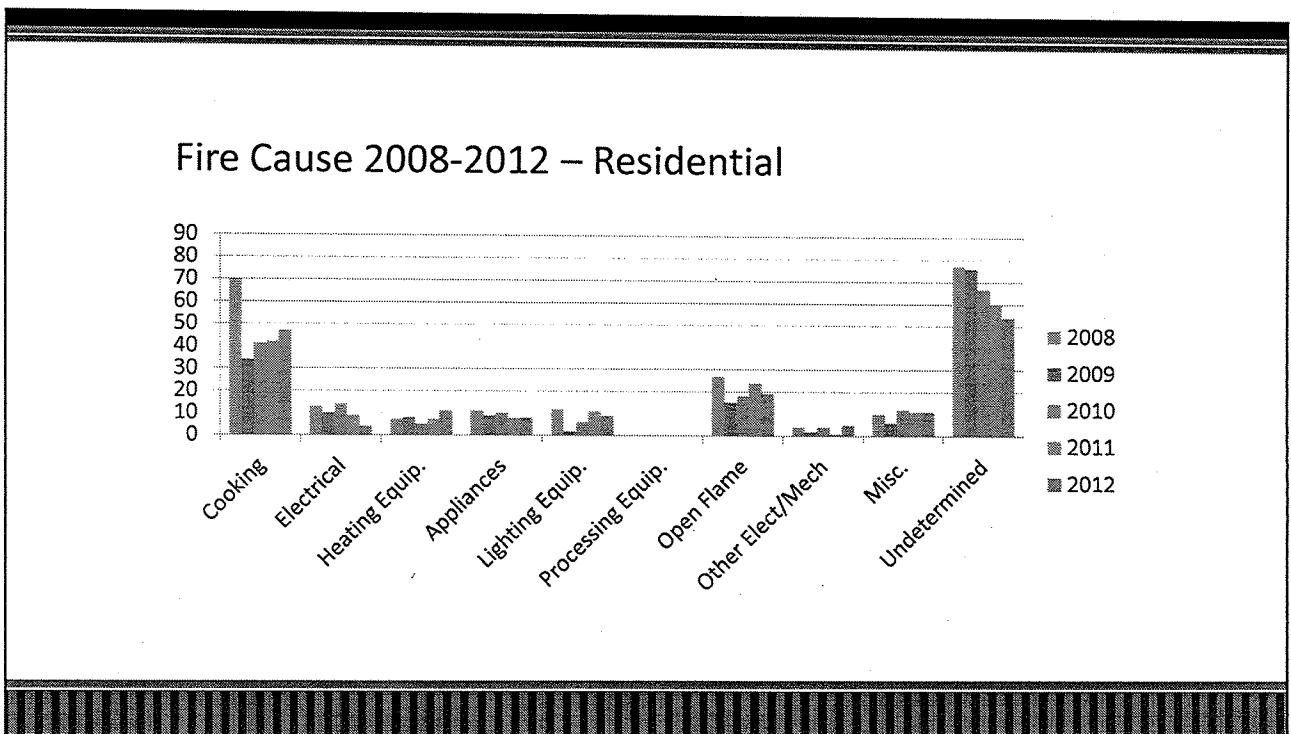
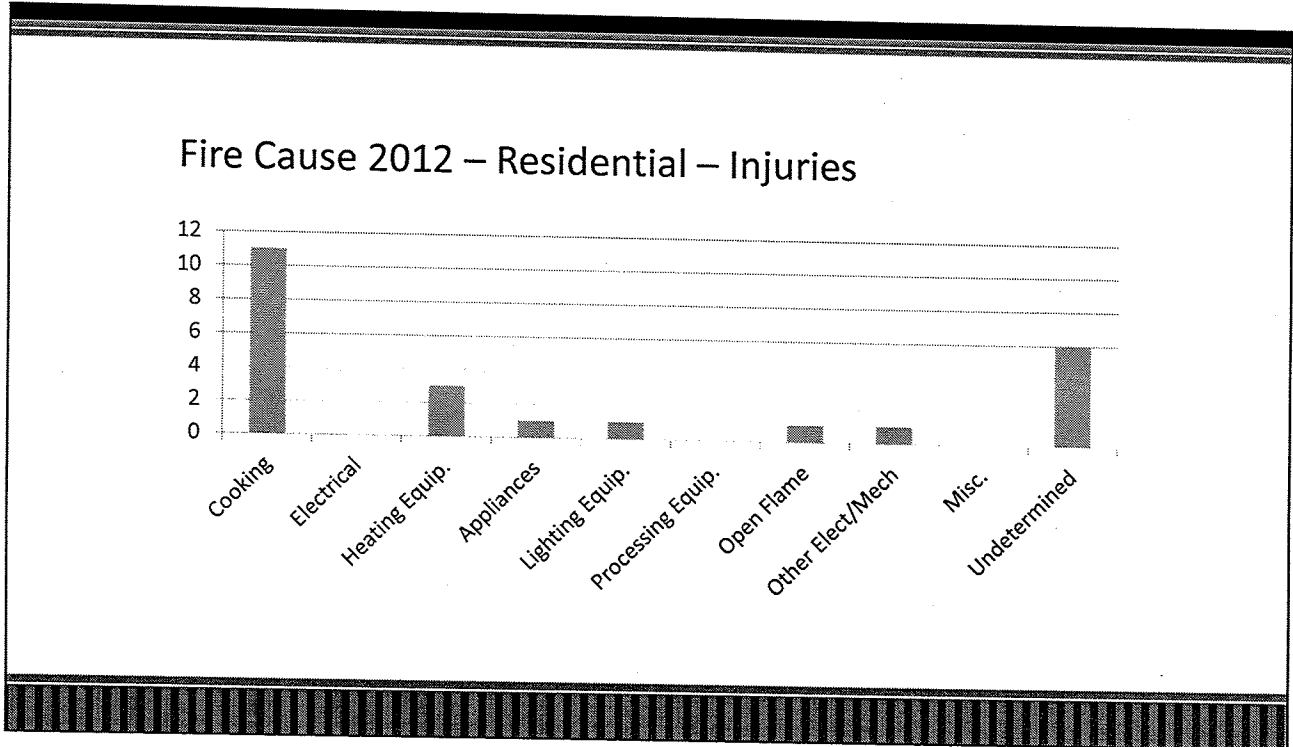


### Fire Causes 2008-2012 – All Occupancies – Injuries

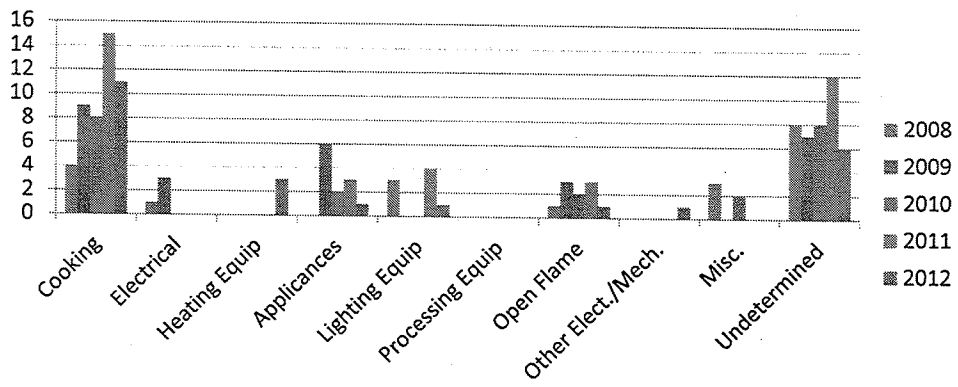


### Fire Cause 2012 - Residential





### Fire Cause 2008-2012 – Residential – Injuries



### Overall Risk Ranking 2012 – All Structures

1. Assembly
2. Residential
3. Industrial
4. Institutional
5. Business & Personal Services
6. Mercantile
7. Other

### Overall Risk Rating 2012 – Fire Cause – All Structures

1. Cooking
2. Lighting Equipment (Including Candles)
3. Open Flames (Smoking Materials)
4. Electrical
5. Heating Equipment
6. Appliances
7. Undetermined
8. Miscellaneous
9. Other Electrical/Mechanical
10. Processing Equipment

### Overall Risk Rating 2012 – Residential

1. Boarding, Lodging, Rooming and Group Homes
2. Multi Unit Dwelling (7+ units)
3. Hotel, Motel, Lodge, Inn
4. Multi Unit Dwelling (2 to 6 units)
5. Detached, Semi-Detached, Row and Townhouses
6. Dual Purpose
7. Mobile Home



## Overall Risk Ranking 2012 – Residential – Fire Cause

1. Cooking
2. Open Flame (Smoking Materials)
3. Lighting Equipment (Candles)
4. Electrical
5. Heating Equipment
6. Undetermined
7. Miscellaneous
8. Appliances
9. Other Electrical/Mechanical
10. Processing Equipment

## Questions





**MONTHLY REPORT TO THE COMMUNITY SAFETY  
& CRIME PREVENTION ADVISORY COMMITTEE**

Dianne Lebold, Assistant Chief of Fire Prevention

**Statistical Information**

January 2013	Current Year		Previous Year	
	Month	Year-To-Date	Month	Year-To-Date
Burn Complaint	2	2	8	8
Carbon Monoxide Alarm	95	95	85	85
Defibrillator Call	165	165	138	138
Extrication	14	14	21	21
False Alarms (see Mech.)	0	0	0	0
Negligent False Alarms	6	6	5	5
Malicious False Alarms	22	22	22	22
Mechanical & Accidental False Alarms	197	197	182	182
General Alarm	9	9	26	26
Level 1 Hazmat	5	5	11	11
Level 2 Hazmat	1	1	3	3
Monitor Alarm	164	164	139	139
Natural Gas Incident	18	18	14	14
Public Service Response	0	0	3	3
Single Pump Alarm	59	59	58	58
Structure Fire	29	29	42	42
UWO Monitor Alarm	19	19	12	12
Motor Vehicle Accident	66	66	60	60
Water Rescue	1	1	1	1
Technical Rescue	0	0	0	0
Suspected Arson Fires	1	1	10	10
<b>TOTAL</b>	<b>873</b>	<b>873</b>	<b>840</b>	<b>840</b>

**Fire Prevention**

January 2013	Current Year		December
	Month	Year-To-Date	31, 2012
Routine Inspection	241	241	4072
Recalls	97	97	2420
General Complaint	52	52	729
Fire Investigation	0	0	48
Request Business License	34	34	280
Public Education	46	46	761
Safety Village	3	3	218
<b>TOTAL</b>	<b>473</b>	<b>473</b>	<b>8528</b>

**Personnel Distribution**

Total Year	2013	2012	Change
Safety Village	1	1	0
Suppression	372	372	0
Fire Prevention	20	20	0
Administration	12	12	0
Training	5	5	0
Apparatus	8	8	0
Communications	14	14	0
<b>TOTAL</b>	<b>432</b>	<b>432</b>	<b>0</b>



## MONTHLY REPORT TO THE COMMUNITY SAFETY & CRIME PREVENTION ADVISORY COMMITTEE

Julianne Wever, Public Fire & Life Safety Educator

### Statistical Information

February 2013	Current Year		Previous Year	
	Month	Year-To-Date	Month	Year-To-Date
Burn Complaint	2	97	11	19
Carbon Monoxide Alarm	70	165	74	159
Defibrillator Call	137	302	125	263
Extrication	19	33	23	44
Negligent False Alarms	5	11	4	9
Malicious False Alarms	16	38	18	40
Mechanical & Accidental False Alarms	135	332	130	312
General Alarm	11	20	9	35
Level 1 Hazmat	7	12	8	19
Level 2 Hazmat	0	1	1	4
Monitor Alarm	1	165	109	248
Natural Gas Incident	14	32	5	19
Public Service Response	0	0	3	6
Single Pump Alarm	36	95	61	119
Structure Fire	30	59	34	76
UWO Monitor Alarm	4	23	5	17
Motor Vehicle Accident	46	112	48	108
Water Rescue	0	1	1	2
Technical Rescue	0	0	0	0
Suspected Arson Fires	0	1	3	13
<b>TOTAL</b>	<b>533</b>	<b>1499</b>	<b>672</b>	<b>1512</b>

### Fire Prevention

February 2013	Current Year		December
	Month	Year-To-Date	31, 2012
Routine Inspection	251	492	4072
Recalls	94	191	2420
Inspection Orders	20	20	0
General Complaint	57	109	729
Fire Investigation	2	2	48
Request Business License	9	43	280
Public Education	75	121	761
Safety Village	8	11	218
<b>TOTAL</b>	<b>516</b>	<b>989</b>	<b>8528</b>

### Personnel Distribution

Total Year	2013	2012	Change
Safety Village	1	1	0
Suppression	372	372	0
Fire Prevention	19	20	-1
Administration	12	12	0
Training	5	5	0
Apparatus	7	7	0
Communications	14	14	0
<b>TOTAL</b>	<b>430</b>	<b>431</b>	<b>-1</b>