



New Fire Code Requirements.

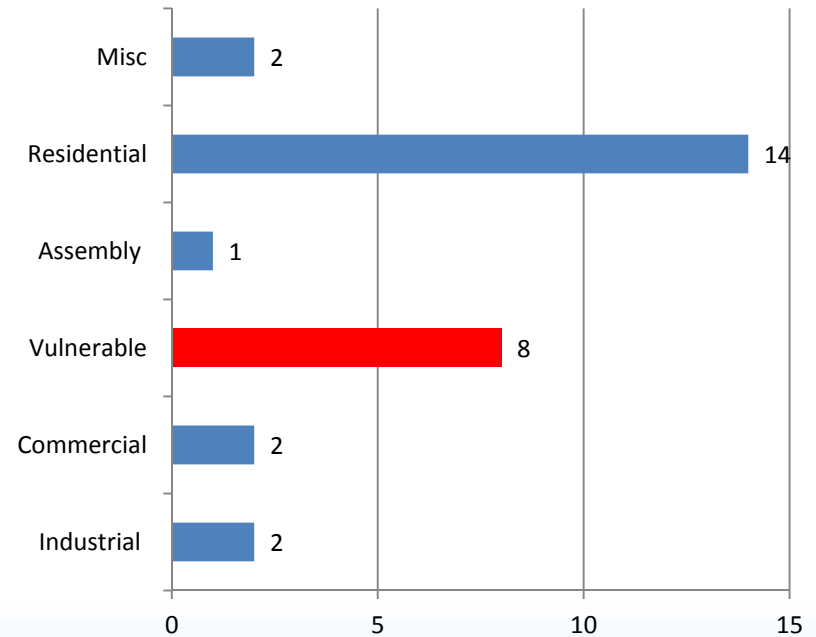
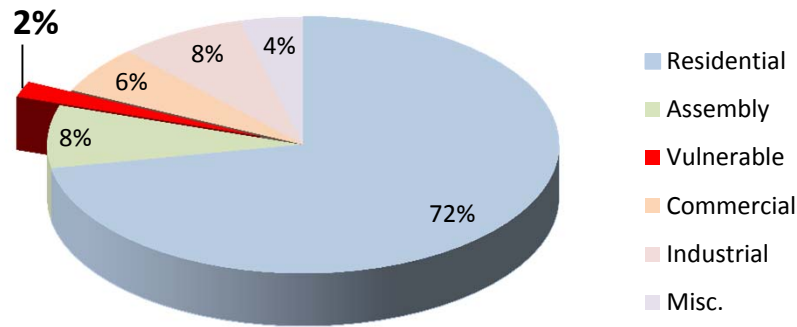
Presented by Alena Ledovskikh



Agenda

- Significant facts
- Occupancy classifications
- OFC requirements for care occupancies and compliance schedule
- REENA fire prevention cost facts (2013)
- Recommendations

The impact of fire on vulnerable occupancies can be devastating . 2% of fires occur in vulnerable occupancies . For every 1000 fires , there are 8 fatalities of vulnerable individuals. As we see they disproportionately account for higher than average fatality rates .



Graphs have been created by OFMEM from 1985 and 2013. Comparing data across different building categories requires taking a different view point, especially when populations or numbers of fires vary. This is why fire deaths are presented as a ratio – calculated by the number of deaths per 1000 fires.

Significant fire incidents in care treatment facilities and retirement homes

1980, Extendicare, Mississauga — 21 fatalities.

1995, Meadowcroft nursing home, Mississauga — 8 fatalities.

2009, Muskoka Heights Retirement Home, Orillia — 4 fatalities.

2011, Rainbow Suites Retirement Home, Timmins — 1 fatality.

2012, Place Mont-Roc nursing home, Hawkesbury — 2 fatalities.

2014, Isle-Verte, Québec- 32 fatalities; 15-injured.



Toronto Sun Feb 1, 2014

Background

- On April 12, 2012, the Province announced a technical consultation to be undertaken by OFM.
- In January 2013, a report issued on behalf of the Fire Marshal, made recommendations to provide: **Enhanced inspections; Training for owners/operators and staff ; Installation of automatic sprinklers. and other fire safety retrofits.**
- In May 2013, many recommendations became regulatory requirements within O.Reg.150/13. of Division B OFC (Ontario Fire Code).
- It is the owners responsibility to adhere to the Ontario Fire Code.
- Failure to comply with the OFC is an offence. Penalties for corporations are a maximum of 100,000 per offence.

OCCUPANCY CLASSIFICATION

- **OFC defers to OBC through 2.1.2.1 of Div. B-**For the purpose of applying this Code a building part thereof shall be classified according to its major occupancy by the Chief Fire Official in conformance with the Building code.

B1- Care Detention Occupancy (in which persons are under restraint or are incapable of self preservation because of security measures not under their control).

B2 -Care and Treatment Occupancy (means an occupancy in which persons receive special care and treatment, for instance, hospitals and long term facilities).

B3-Care Occupancy means an occupancy in which special care is provided by a facility, directly through its staff or indirectly through another provider, to residents/ patients of the facility:

- Who require special care because of cognitive or physical limitations
- Who, as a result of those limitations, would be incapable of evacuating the occupancy, if necessary, without the assistance of another person.

For Care Occupancies and Licensed Retirement Homes

Fire Safety Planning (Section 2.8) :

in effect as of January 1, 2014.

2.8.1.1(1) Fire Safety Plan (FSP) required for all facilities. Implementation of approved FSP.

2.8.2.1(6),(7) Training of supervisory staff under a FSP must be provided and records retained.

Supervisory staff is defined in the OFC as “ Those occupants under the FSP and may include the fire department where the fire department agrees to accept these responsibilities.” – this could include anyone with a responsibility for fire safety such as maintenance staff, house supervisors and security e.t.c.

2.8.2.2.(1) Sufficient supervisory staff required to carry out the duties as outlined in FSP.

2.8.3.2.(2.1) A Fire Drill must be carried out once a year, under a scenario approved by the Chief Fire Official representing the lowest staff level complement .(NEW)

In Care Occupancies and Licensed Retirement Homes.

Qualifications (Section 1.2)

Deadline: January 1, 2017

1.2.3.2.(1) *Every person required to implement a FSP must have completed an acceptable training program/course acceptable to the Fire Marshal.*

Office of the Fire Marshal and Emergency Management (OFMEM)Training to enhance fire safety in occupancies housing vulnerable Ontarians.

- This is a 1.5 day course consisting of 10 interactive learning modules.. All courses will be delivered by the Public Health & Safety Association (PSHSA).

<http://www.pshsa.ca/ofmem/>

For Care Occupancies and Licensed Retirement Homes

Deadline: January 1, 2014

- 9.7.4.3. Smoke alarm required in each suite or sleeping room not within a suite.

Deadline: January 1, 2015

- 9.7.3.1. Emergency lighting: Must be installed in all exit stairways, public corridors and principal access to exits in buildings over three(3) storeys, or buildings that provide sleeping accommodation for more than (10) persons.
- 9.7.4.1. If interconnected smoke alarm system is not installed, Fire Alarm monitoring is required.

Deadline: January 1, 2016

- 9.7.2.1. Self-closing devices are required on doors to suites and sleeping rooms. (New)
- 9.7.4.4 Voice communication systems are required in buildings that contain a care occupancy that is 18 meter above grade- various options permitted . (New)

For Care Occupancies and Licensed Retirement Homes

Deadline: January 1, 2019.

9.7.5.1. Sprinkler System meeting NFTA 13 requirements in all buildings, unless otherwise specified.
(NEW).

- For existing Long-Term Care facilities is Jan 1, 2025

Exceptions (Design Options):

NFTA 13D –buildings not greater than three storeys high providing sleeping accommodations for no more than ten (10)persons.

NFTA 13R – buildings not greater than (6)storeys high

No sprinkler system required where building is provided with interconnected smoke alarms, is no more than three(3) storeys high and provides sleeping accommodation for no more than for (4) persons.

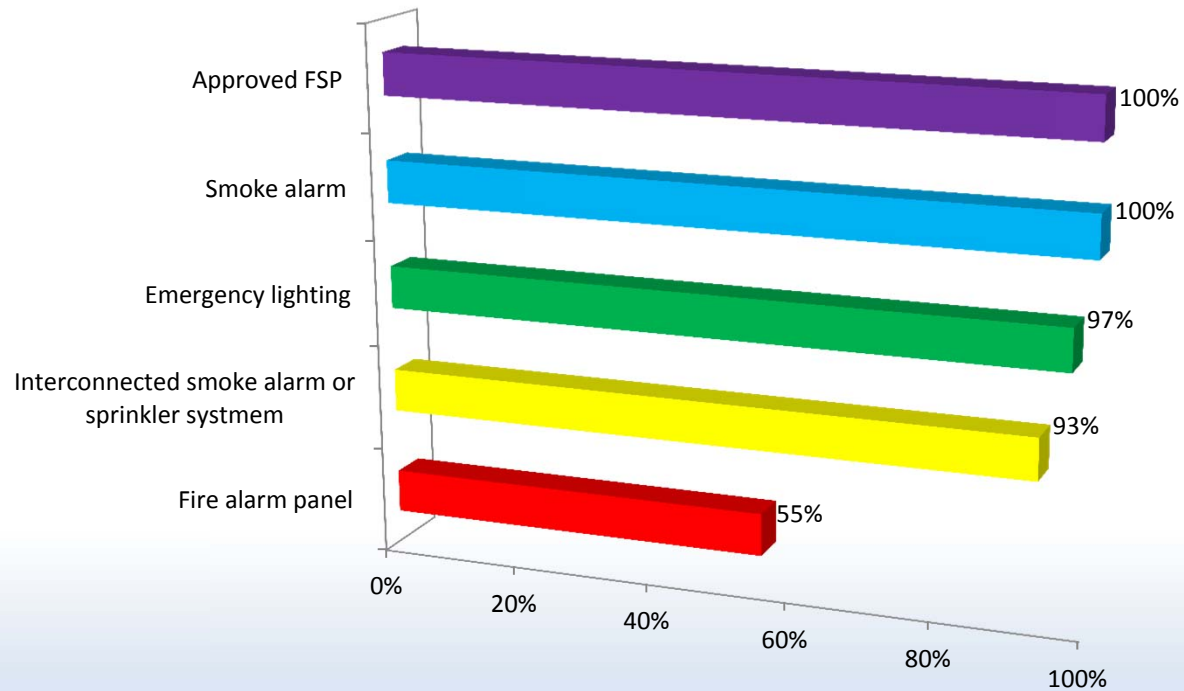
Beyond sprinklers, the staff should perform daily checks, hold frequent drills and have fire safety plans that are reviewed and approved by the local fire departments on an annual basis



REENA Fire Code Compliance facts(2013)

Information based on 29 group home facilities and 206 beds

According to the new requirements :

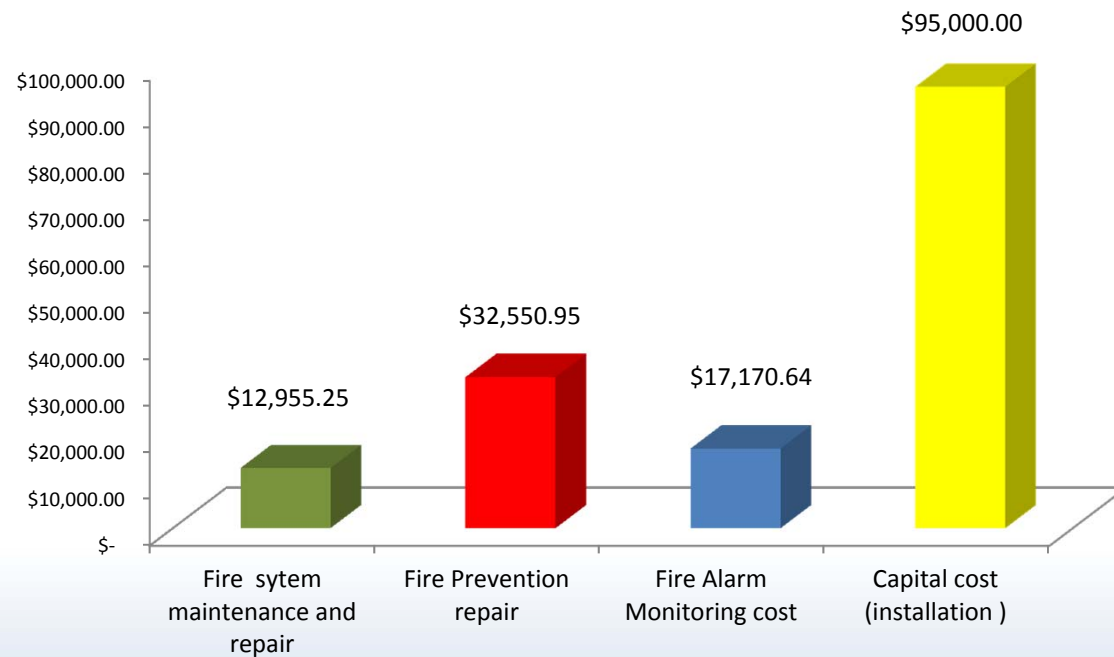




REENA Significant fire prevention cost facts(2013)

Information based on 29 group home facilities and 206 beds

According to the new requirements :



Total : \$157,676.84

REENA Community Residence, opened September, 2012



- Building total: Sq. Ft 72,000 # of floors4 (60 residential apartments)
- Monitored and equipped with single stage fire alarm system.
- 120 V Combination smoke and carbon monoxide alarms located within the residential suites complete with battery backup.
- Emergency lighting throughout the building in accordance with OFC and OBC.
- Fire extinguishers throughout the building .
- Has sprinkler system NFTA 13 municipal water supply.

2013 Fire Prevention Maintenance total cost \$8,140 (repair cost is not included; the major fire safe equipment is under warranty)

- Checking, inspecting and testing all devices and fire safe systems according to maintenance schedule.
- Annual fire drill

Market prices:

Fire Safety Plan cost	\$2,500.00- \$5,000.00 depends on the building floor design and equipment evolved;
Smoke alarm(battery operated)	\$55.00 -\$100.00 per unit
Emergency lighting sign/unit	\$50.00 - \$150.00 per unit
Interconnected smoke alarm system	\$10,000.00 - \$15,000.00 depends on the house design
Fire Panel system installation	\$25,000.00 -\$40,000.00 depends on the equipped system
Sprinkler system Installation	\$40,000- \$150,000.00 depends on the house design and water supply



Recommendations

- Where is your agency right now with regards to the new changes?
 1. Take a course that provides training to personnel who are involved in Fire Safety Planning in your organisation.
 2. If you have an existing FSP, revise Fire Drill section.
 - Conduct Comprehensive Fire Drill (establish objectives and drill expectations).
 - Written analysis recommended. Staff ratio vs. Fire Sprinkler system installation.
 3. Cooperate with the Fire Department.

Fire Safety Media supplier

<https://www.safetymedia.com>

References

- [Ontario Building Code 2012](#)
- [Ontario Fire Code 2014](#)
- [Public Health & Safety Association \(PSHSA\).](#)
- [Fire Safety Media](#)

Thank you