



Long Beach Fire Department  
and  
Department of Planning and Building



FIRE SPRINKLER AND FIRE ALERTING REPORT  
UPDATE ON FUNDING AND OUTREACH

Hank Teran, Fire Marshal  
Larry Brugger, Building Official

April 3, 2007

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PRIOR REPORT



Report to Public Safety Committee on January 30, 2007

- The history of fire and building codes in our City
- Facts and performance of fire sprinklers
- Fire sprinkler video demonstration
- Recommendations



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## RECOMMENDATIONS



- New Construction – Fire Sprinklers
- Existing Construction – Fire Sprinklers
- Existing Construction – Fire Alarms

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## RECOMMENDATIONS

### New Construction – Fire Sprinklers



1. Require all ***new multi-family (3 or more units) residential, hotels, motels and similar buildings*** to be protected by fire sprinkler systems.
2. Require all ***new single-family dwellings and duplexes*** greater than 4,000 sq. ft. or more than 2 stories in height to be protected by fire sprinkler systems.
3. Require all ***new commercial, industrial and non-residential*** buildings that require 2 or more exits or that are greater than 3,000 sq. ft. to be protected by fire sprinkler systems.

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## RECOMMENDATIONS

### Existing Construction - Fire Sprinklers



4. Require all **existing multi-family residential, hotels and motels** containing 50 or more units to be retrofitted with fire sprinkler systems ***within a period not to exceed 5 years.***

Require all **existing multi-family residential, hotels, motels and buildings** less than 50 units to be retrofitted with fire sprinkler systems **only when** (1) addition is greater than 5,000 sq. ft., or 25% of the existing square footage, or (2) alteration, repair or rehabilitation is equal to or greater than 25% of the replacement cost of the building, over a period of three years.

5. Require all **existing single-family dwellings and duplexes**, when additions are made and the total sq. ft. is greater than 4,000 sq. ft. or more than 2 stories in height, to be protected by fire sprinkler systems.
6. Require all **existing high-rise** (over 75 feet) buildings as defined by the California Building Code to be retrofitted with fire sprinklers ***within a period not to exceed 10 years.***

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## RECOMMENDATIONS

### Existing Construction - Fire Alarms



7. Require all **existing multi-family residential, hotels and motels** to upgrade existing fire alarm system to current code at the time of replacement of the existing non-functioning fire alarm control panel.
8. Require all **existing high-rise** (over 75 feet) buildings as defined by the California Building Code to upgrade existing fire alarm system to current code at the time of replacement of the existing non-functioning fire alarm control panel.

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## FIRE RESPONSES

Since January 30, 2007



- ♦ Total Fire Responses – 77
- ♦ 53% were in multi-family residential occupancies

### Incidents

- ♦ February 13, 2007 – Fire in a non-fire sprinklered apartment with one smoke inhalation victim.
- ♦ February 24, 2007 – Fire on the 9<sup>th</sup> floor of a non-fire sprinklered high-rise with one smoke inhalation victim.
- ♦ March 25, 2007 – Fire in a non-fire sprinklered apartment with one smoke inhalation victim.
- ♦ March 28, 2007 – Fire in a non-fire sprinklered high-rise with one fire fatality.

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## GALAXY TOWERS

2999 E. Ocean Boulevard



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## REPORT UPDATE



- Funding Opportunities
- Community Outreach

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## FUNDING OPPORTUNITIES



### City Departments

- Financial Management
- Community Development
- Water

### Outside Agencies

- Insurance Industry
- Fire Safety Organizations

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## JURISDICTIONAL SURVEY



- 41 jurisdictions surveyed
- 90% do not offer any financial incentives
- 10% of those surveyed, offer reduction in water meter, plan review and permit fees.

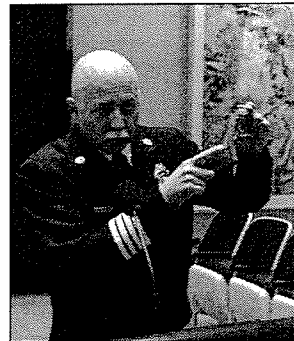
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## COMMUNITY OUTREACH



- Apartment Association
- Downtown Long Beach Associates
- Other community organizations



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## COST ESTIMATE MODEL



Examples of cost estimates for installing fire sprinklers in residential occupancies include:

- 10 Unit Apartment = \$50,000
- 25 Unit Apartment = \$100,000
- 50 Unit Apartment = \$195,000
- 10 Story Apartment = \$600,000



\* The examples provided above are estimates.

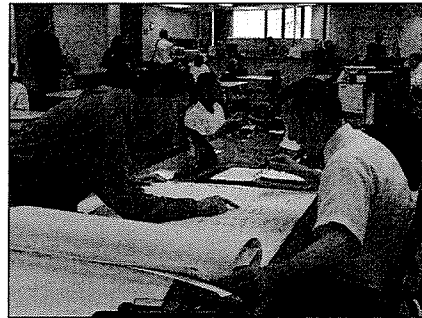
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## CITY ASSISTANCE



- Expedited Reviews
- Fire Department Liaison



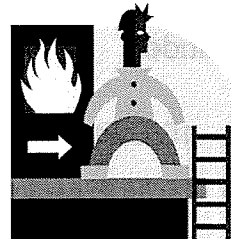
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## PUBLIC EDUCATION



- Partnerships
- Public Safety Announcements



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