FIRE SAFETY

Landlord Conference
October 20 & 21, 2014
• People feel the safest in their homes, however residential properties are where most fires and fire deaths occur.

• 76% of all structure fires occurred in residential properties.

• 97% of structural fire deaths occurred in residential properties.
Residential Building Fires

National estimates for residential building fires in 2011, the most recent year data are available, are:

- Fires: 364,500.
- Deaths: 2,450.
- Injuries: 13,900.
- Dollar Loss: $6,651,400,000.
1 & 2 Family Buildings

• Fires: 236,200
• Deaths: 1,980.
• Injuries: 8,525.
• Dollar Loss: $5,500,000,000.

One- and two-family residential building fires accounted for 65 percent of all residential building fires, representing the largest subgroup of residential building fires.
1 & 2 Family

• Cooking was the leading cause of one- and two-family residential building fires (33 percent). Nearly all one- and two-family residential building cooking fires were small, confined fires (91 percent).
National estimates for residential building cooking fires for 2011, the most recent year data are available, are:

- Fires: 166,600.
- Deaths: 135.
- Injuries: 3,675.
- Dollar Loss: $322,000,000.
1 & 2 Family

In 52 percent of nonconfined one- and two-family fires, the fire extended beyond the room of origin.

- The leading causes of these larger fires were other unintentional, careless actions (17 percent);
- electrical malfunctions (16 percent);
- intentional (12 percent);
- and open flame (11 percent).
National estimates for residential building electrical malfunction fires for 2011, the most recent year data are available, are:

- Fires: 26,800.
- Deaths: 280.
- Injuries: 1,200.
- Dollar Loss: $1,021,300,000.
1 & 2 Family

• The number of 1 & 2 Family residential building fires are higher in the cooler months, peaking in January.

• Smoke alarms were not present in 23 percent of the larger, nonconfined fires in occupied one- and two-family residential buildings.
Smoke Alarm Safety
WHERE AND WHY

- Smoke alarms on every level, in each sleeping room, and outside the sleeping area
- Replace batteries every year
- Replace smoke alarms every 10 years
The Danger of Smoke

• 8 out of 10 people die from breathing in the poisonous smoke rather than from the flames.

• Smoke will put you into a deeper sleep!
SMOKE ALARMS SAVE LIVES!

- Three out of five home fire deaths result from fires in properties without working smoke alarms.
- More than one-third (37 percent) of home fire deaths result from fires in which no smoke alarms are present.

The risk of dying in a home fire is cut in half in homes with working smoke alarms.
Make sure smoke alarms work
Direct costs to owners

- Emergency reinspection charge - $30 per unit or common area

or

- Bringing extra batteries - $3.50 each
OR

Battery Operated 10-Year Lithium Sealed Smoke Alarm

$22 plus tax
Fire Rating ???

• Where –
  – Between units (drop ceilings)
Fire Rating ???

– Undersides of stairs
Fire Rating ???

– Entry Doors
– Penetrations
• http://www.youtube.com/watch?v=IKel2MdPn58
QUESTIONS?