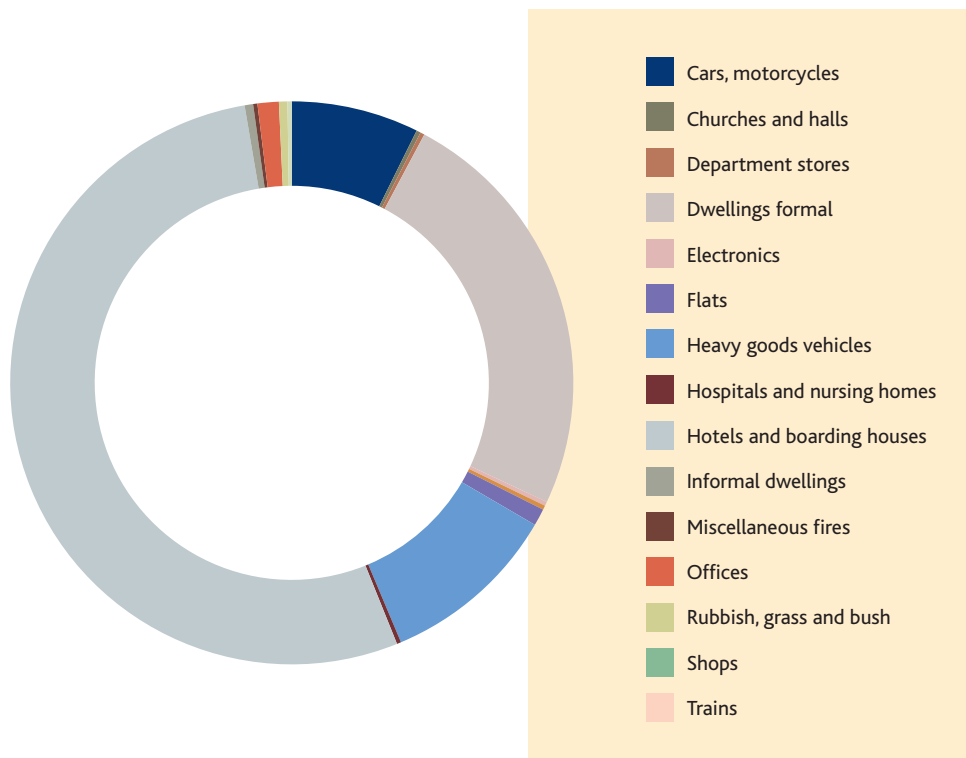
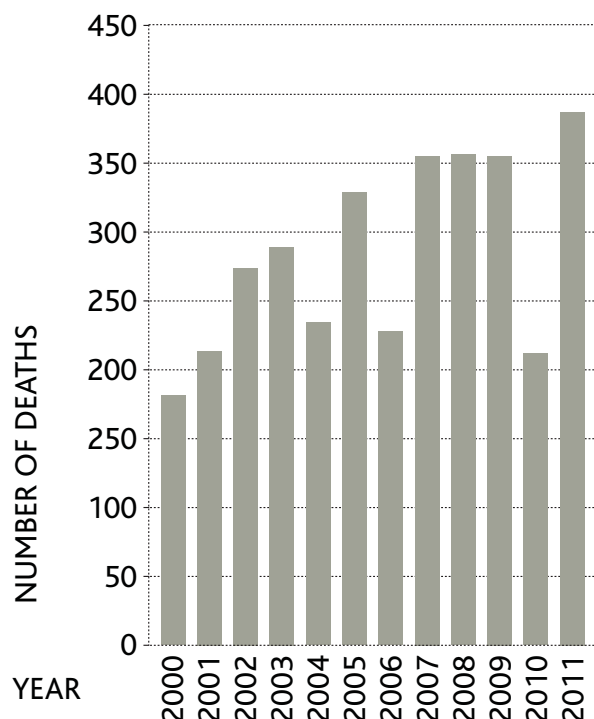


## DEATHS 2011

### Deaths by sector



### Compared fire deaths 2000 - 2011



YEAR	TOTAL
2000	192
2001	226
2002	290
2003	306
2004	248
2005	348
2006	241
2007	376
2008	377
2009	376
2010	224
2011	410



## FIRE LOSSES

### Breakdown of occupancy 2011

DESCRIPTION	NUMBER OF INCIDENTS
Dwellings formal	3943
Informal dwellings	4046
Flats	279
Hotels and boarding houses	62
Hospitals and nursing homes	46
Educational establishments	118
Churches and halls	40
Cinemas and theatres	12
Museums, libraries and art galleries	7
Night clubs and dance halls	14
Restaurants and cafes	170
Offices	197
Shops	313
Department stores	37
Garages and workshops	88
Warehouses	61
Outside storage	163
Furniture	22
Plastics and rubber	88
Textile	31
Printing	11
Milling	22
Petroleum	26
Food and drink	47
Paper and packaging	39
Chemical	50
Metal	60
Electronics	203
Mines (surface)	6
Utilities	117
Cars, motorcycles	1767
Busses	102
Heavy goods vehicles	368
Ships	8
Trains	53
Aircraft	8
Rubbish, grass and bush	22646
Plantations and forests	150
Agricultural	46
Miscellaneous fires	2256
<b>TOTAL</b>	<b>37721</b>

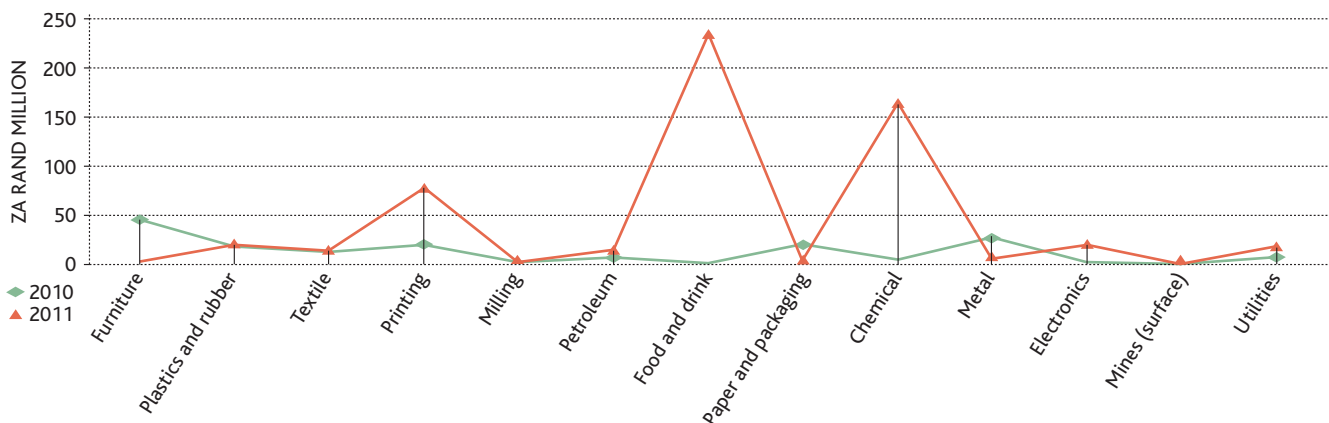
**FIRE LOSSES**

**Breakdown of occupancy and causes 2011**

DESCRIPTION	SMOKING	ELECTRICAL	OPEN FLAMES	COOKING	HEATING	WELDING	LIGHTNING	ARSON	UNREST	UNDETERMINED	OTHER	TOTAL	RAND DAMAGE
Dwellings formal	87	786	670	408	252	17	26	213	1	1220	263	3943	576,242,642
Informal dwellings	82	376	1054	330	125	3	27	221	2	1715	111	4046	102,389,740
Flats	8	87	25	53	28	0	1	11	0	60	6	279	31,496,970
Hotels and boarding houses	3	22	9	2	0	0	1	2	0	18	5	62	18,015,340
Hospitals and nursing homes	3	18	6	4	3	0	0	3	0	8	1	46	3,426,900
Educational establishments	4	17	30	4	2	1	0	22	0	35	3	118	94,331,405
Churches and halls	0	11	6	6	1	0	0	7	0	9	0	40	2,913,500
Cinemas and theatres	0	7	0	0	0	1	0	1	0	3	0	12	31,158,000
Museums, libraries and art galleries	0	4	1	0	0	0	0	0	0	2	0	7	170,000
Night clubs and dance halls	0	4	1	0	1	0	0	1	0	6	1	14	1,840,100
Restaurants and cafes	3	37	31	58	12	1	0	4	0	22	2	170	25,029,630
Offices	6	62	22	7	15	2	0	24	0	51	8	197	20,508,600
Shops	6	89	53	37	33	8	1	20	0	57	9	313	34,294,350
Department stores	1	12	3	5	1	2	0	2	0	9	2	37	17,605,800
Garages and workshops	4	27	15	3	2	5	0	3	0	25	4	88	100,097,900
Warehouses	3	12	11	1	5	2	0	3	0	23	1	61	72,608,000
Outside storage	6	12	52	2	4	5	0	12	0	66	4	163	12,592,050
Furniture	1	2	5	0	2	2	0	2	0	8	0	22	2,758,500
Plastics and rubber	1	6	15	0	4	1	0	2	0	58	1	88	20,515,600
Textile	1	5	3	0	2	1	0	0	0	15	4	31	14,523,500
Printing	0	4	1	0	3	1	0	1	0	1	0	11	77,821,000
Milling	0	2	2	0	6	1	0	2	0	8	1	22	1,290,000
Petroleum	2	5	5	1	3	1	0	0	0	8	1	26	14,556,000
Food and drink	1	11	4	7	8	0	0	2	0	10	4	47	230,775,000
Paper and packaging	25	3	2	0	2	1	0	0	0	3	3	39	3,675,000
Chemical	2	6	7	0	7	4	0	0	0	20	4	50	160,920,300
Metal	2	10	7	0	9	13	0	1	0	16	2	60	7,583,000
Electronics	5	115	5	0	1	1	1	2	0	54	19	203	20,648,000
Mines (surface)	1	1	1	0	0	0	0	0	0	3	0	6	50,500
Utilities	5	58	7	0	10	3	0	2	0	28	3	116	18,734,500
Cars, motorcycles	13	614	274	1	41	31	2	100	0	556	135	1767	110,097,050
Busses	0	31	18	0	8	4	1	13	0	24	3	102	15,686,500
Heavy goods vehicles	7	73	44	0	75	9	2	18	1	85	54	368	1,210,340,525
Ships	0	3	1	0	0	2	0	0	0	2	0	8	7,315,000
Trains	0	12	10	0	2	1	0	11	0	17	0	53	64,172,000
Aircraft	1	2	0	0	0	0	0	0	0	5	0	8	0
Rubbish, grass and bush	1085	74	12197	205	47	35	56	497	3	7419	1028	22646	19,944,080
Plantations and forests	19	6	86	0	0	0	2	0	0	33	4	150	93,800
Agricultural	3	1	31	0	0	0	0	1	0	9	1	46	100,000
Miscellaneous fires	29	634	484	19	14	17	7	50	3	838	161	2256	28,508,650
<b>TOTAL</b>	<b>1419</b>	<b>3261</b>	<b>15198</b>	<b>1153</b>	<b>728</b>	<b>175</b>	<b>127</b>	<b>1253</b>	<b>10</b>	<b>12549</b>	<b>1848</b>	<b>37721</b>	<b>2,085,522,959</b>
<b>TOTAL FIRE</b>	<b>4%</b>	<b>9%</b>	<b>40%</b>	<b>3%</b>	<b>2%</b>	<b>0%</b>	<b>0%</b>	<b>3%</b>	<b>0%</b>	<b>33%</b>	<b>5%</b>		

## INDUSTRIAL FIRE LOSSES

Compared industrial losses 2010 - 2011



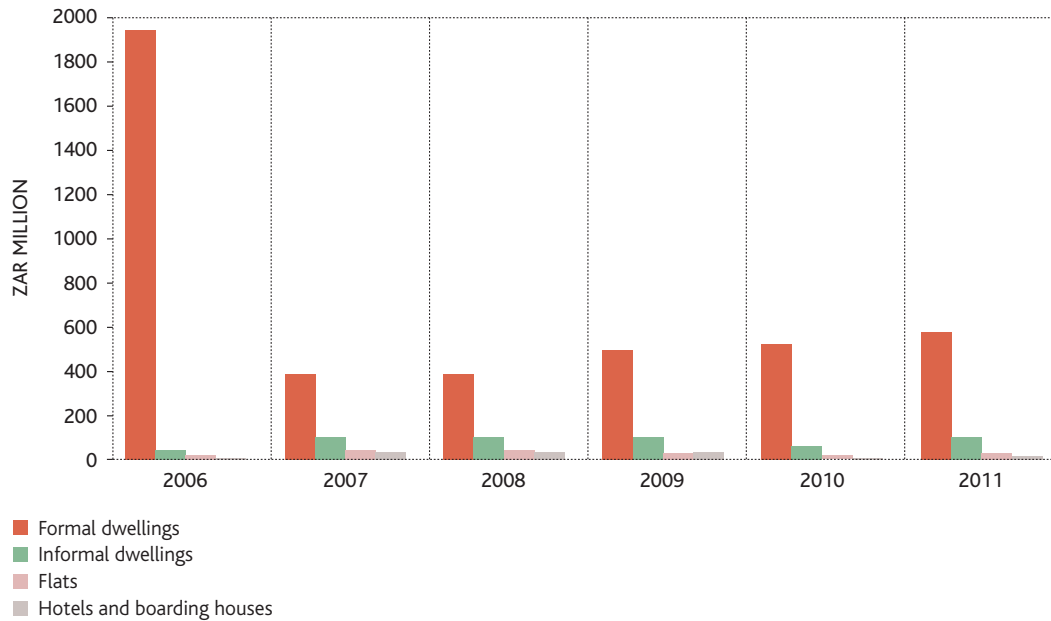
DESCRIPTION	ZAR 2010	2010 INCIDENTS	ZAR 2011	2011 INCIDENTS
Furniture	R 44 901 000	19	R 2,758,500	22
Plastics And Rubber	R 19,307,310	69	R 20,515,600	88
Textile	R 12,583,600	26	R 14,523,500	31
Printing	R 20,852,000	7	R 77,821,000	11
Milling	R 2,941,000	13	R 1,290,000	22
Petroleum	R 7,722,900	20	R 14,556,000	26
Food And Drink	R 1,662,000	6	R 230,775,000	47
Paper And Packaging	R 20,964,300	22	R 3,675,000	39
Chemical	R 4,270,200	36	R 160,920,300	50
Metal	R 27,954,500	61	R 7,583,000	60
Electronics	R 2,883,900	155	R 20,648,000	203
Mines (Surface)	R 234,000	4	R 50,500	6
Utilities	R 7,940,800	102	R 18,734,500	116
<b>TOTAL</b>	<b>R 174,217,510</b>	<b>540</b>	<b>R 573,850,900</b>	<b>721</b>

## Compared number of incidents 2005 - 2011 by sector

DESCRIPTION	2005	2006	2007	2008	2009	2010	2011
Furniture	47	27	414	55	15	19	22
Plastics and rubber	63	33	94	73	96	69	88
Textile	61	45	67	34	38	26	31
Printing	9	6	18	8	13	7	11
Milling	33	10	21	21	22	13	22
Petroleum	22	13	21	16	20	20	26
Food and drink	46	43	50	35	59	6	47
Paper and packaging	37	25	226	27	24	22	39
Chemical	33	26	345	79	53	36	50
Metal	85	38	80	69	74	61	60
Electronics	116	129	135	191	170	155	203
Mines (surface)	11	2	54	10	5	4	6
Utilities	78	38	150	110	114	102	116
<b>TOTAL</b>	<b>641</b>	<b>435</b>	<b>1675</b>	<b>728</b>	<b>703</b>	<b>540</b>	<b>721</b>

## RESIDENTIAL FIRE LOSSES

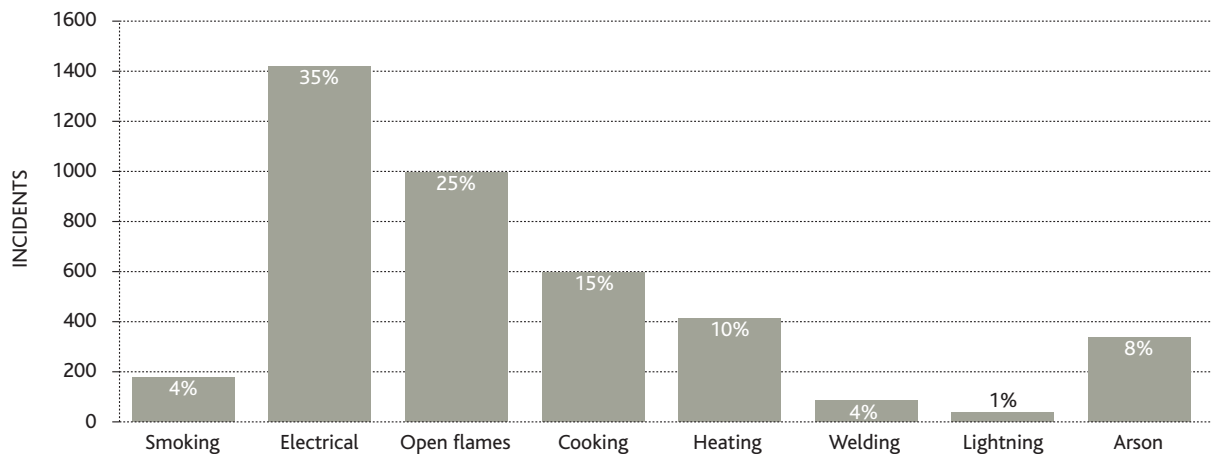
Compared residential losses 2006 - 2011



Compared residential losses 2006 - 2011 ZAR million

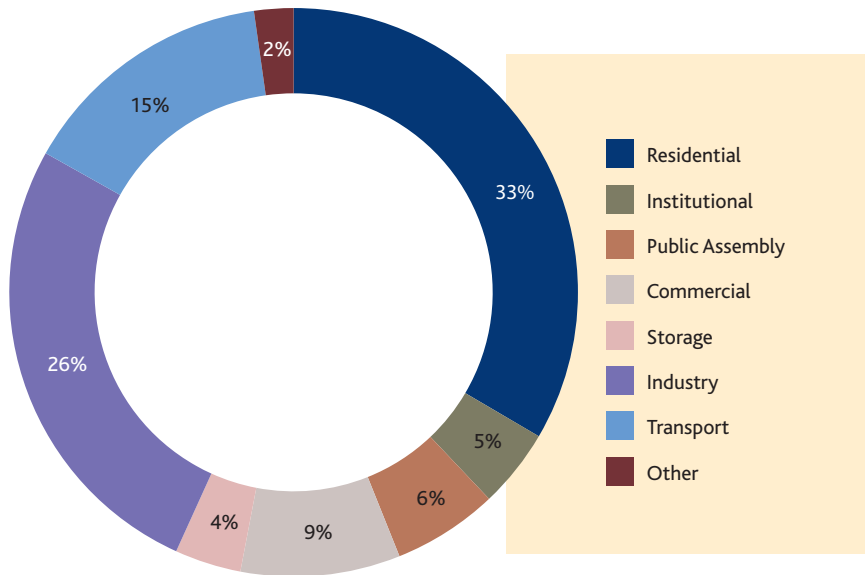
DESCRIPTION	2006	2007	2008	2009	2010	2011
Dwellings Formal	1,953,447,608	387,890,154	387,199,972	495,170,058	525,406,578	576,242,642
Informal dwellings	39,488,351	105,547,103	76,827,903	101,174,052	64,719,575	102,389,740
Flats	24,699,595	42,713,920	29,625,287	31,858,641	21,695,900	31,496,970
Hotels and boarding houses	6,280,550	37,120,250	11,313,775	38,899,991	1,980,700	18,015,340
<b>TOTAL</b>	<b>2,023,916,104</b>	<b>573,271,427</b>	<b>504,966,938</b>	<b>667,102,743</b>	<b>613,802,753</b>	<b>728,144,692</b>

## Most common causes of structural fires



## FINANCIAL FIRE LOSSES

2011

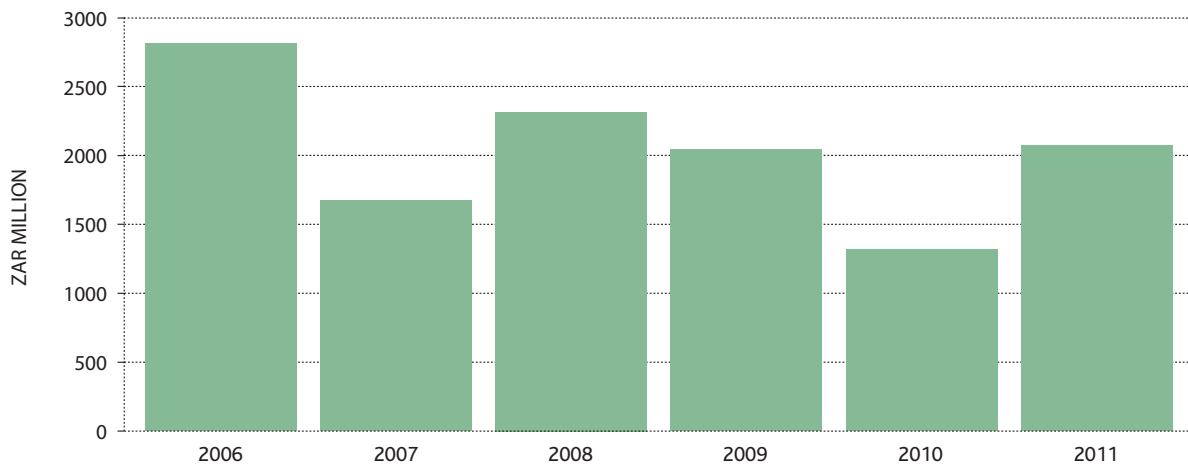


### Compared losses by sector

DESCRIPTION	R SUM OF DAMAGE
Residential	728,144,691
Institutional	97,758,305
Public Assembly	36,081,600
Commercial	197,536,280
Storage	85,200,050
Industry	573,850,900
Transport	318,390,103
Other	48,646,530
<b>TOTAL</b>	<b>2,085,522,959</b>

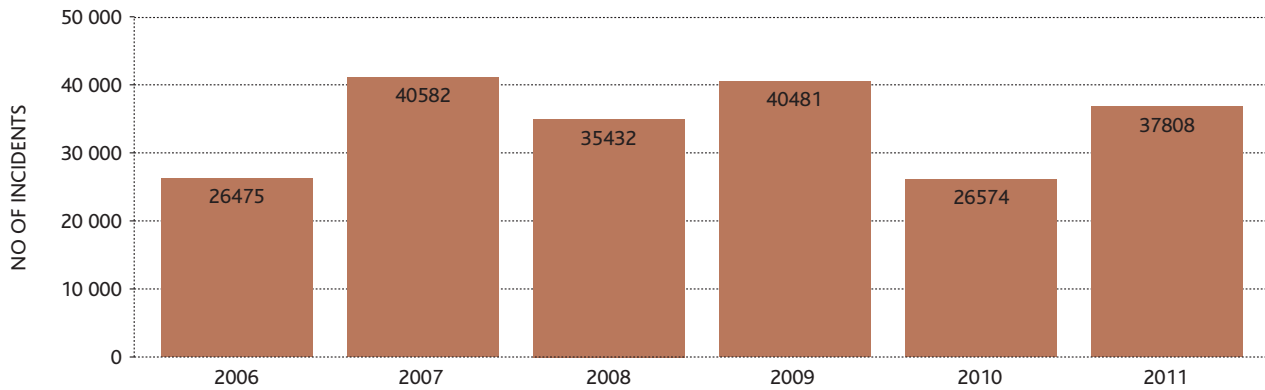
### Compared losses 2004-2011

YEAR	R DAMAGE
2004	1,211,926,334
2005	1,321,494,810
2006	2,732,970,948
2007	1,630,663,463
2008	2,312,573,487
2009	2,013,698,823
2010	1,323,019,073
2011	2,085,522,959

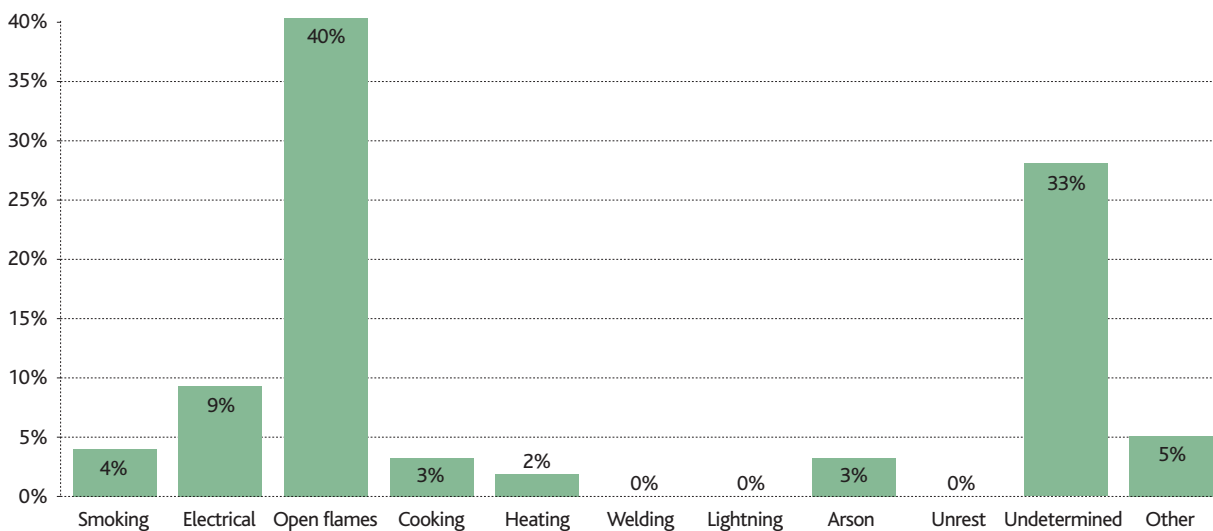


## FIRE LOSSES

Compared number of 2006 - 2011



## Breakdown of number of fires as % of total number of fires



## ECONOMIC IMPACT OF FIRE LOSSES 2006 - 2011

	2006	2007	2008	2009	2010	2011
Total loss in Rands	2732.9	1630.6	2312.5	2013.6	1323	2085.6
GNI	1705.3	1935.5	2209.9	2342.4	2608.5	2897.6
Fire loss as a % of GNI	0.16%	0.084%	0.10%	0.09%	0.05%	0.07
No. of fires	26.4	40.5	35.4	40.4	26.5	37.7
Population	47.8	48.6	49.3	49.9	49.9	51.7

**Notes to table:**

Total loss in millions

GNI Gross National Income - in thousand millions

Number of fires in thousands

Population in millions