



# CLARK COUNTY FIRE DEPARTMENT

# 2005

# ANNUAL REPORT



Steven M. Smith  
Fire Chief

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**- Chief Earl A. Greene's Message -**



On behalf of all the proud men and women of the Clark County Fire Department (CCFD), both volunteers and professionals, we want to thank you for allowing us to protect and serve you for another year. The challenges have been many, but the rewards have been great. We have delivered babies, rescued the stranded, and protected some of the most expensive properties anywhere in the world. At this time, there are 18,000 paid professional fire departments in the country. Of those 18,000, CCFD is one of only six departments that have attained both a Class I ISO Rating and an

accredited agency status by the Commission on Fire Accreditation International. Once again, we thank you for the opportunity to serve and protect.

The following report is a brief synopsis and summary of last year's responses and inspections.

On a more personal note, as this will be my last Annual Report, I just wanted to thank you for being a part of this wonderful and fulfilling career during the past 32 years and 4 months. May God keep all of you safe as you protect and service our great County.

"Your Good Looking Fire Chief"  
Earl A. Greene  
January 2006



**- Chief Steven M. Smith's Message -**



These are exciting times as the landscape of the famous "Strip" is changing dramatically, presenting us with new challenges. I am confident, as we work together, we will seize on these opportunities to enhance the services we provide to our visitors and community.

I am aware that this department will face significant challenges; the most difficult from a fire suppression and prevention standpoint is the growth we continue to experience. We serve one of the fastest growing, most

complex communities in the world, as well as the largest resort destination and the fastest growing residential community in the nation. I have learned over the last few months that this will not be an easy task, but together I know we will succeed in meeting the needs of the community and achieve what I know we must achieve to gain the necessary resources.

I am honored to serve as your Fire Chief and I thank each and every one of you for your support. I look forward to working together to create opportunities out of the challenges we face.

Steven M. Smith  
Fire Chief  
February 2006



## - Department Summary -

Clark County Fire Department (CCFD) is the largest paid fire department in the State of Nevada. The department consists of 735 authorized positions. Staffing includes 614 fire fighters, 58 fire prevention and investigations employees, and 63 in administration, training, and other support employees. CCFD also oversees Nevada's largest volunteer force of approximately 350 personnel. The department has paid employees at 25 fire stations and volunteer employees at 13 stations.

Services we provide include:

- Urban Fire Services
- Rural Fire Services
- Aircraft Rescue Fire Fighting
- Emergency Medical Services (Basic, Intermediate and Advanced Life Support)
- Hazardous Materials Response Team
- Fire Investigation
- Technical Rescue
- Fire Prevention
- Inspection Services
- Public Education
- Disaster and Emergency Preparedness

Divisions include:

- Fire Administration
- Urban Services
- Community Preparedness
- Rural Services
- Fire & Hazard Prevention Services
- Support Services
- Administrative Services



## - Accomplishments -

- Maintained fire accreditation for the third year in a row and the department still remains one of only six departments nationwide that holds both ISO Class I Rating and accredited agency.
- Construction of Fire Station 82 located in the town of Cold Creek.
- Deployed the Nevada Task Force I Team to the Gulf Coast Region on Hurricanes Katrina and Rita Disasters.
- Participated in Spring Mountain Range Summit sponsored by Congressional delegation, which resulted in a \$500,000 grant for early warning system.
- Received over \$2.6 million in federal grants. These grants were awarded by the Office of Domestic Preparedness (ODP) and Federal Emergency Management Agency (FEMA).
- Received a \$1,060,000 million community-wide grant for electronic patient care reporting.
- EMS on-line training became available which enabled EMS personnel to receive high quality training without leaving their assigned response area.
- Secured grant funding for the purchase of a state of the art Chemical Biological Radiological Nuclear and Explosive (CBRNE) response robot.
- Completed seven major construction projects including Wynn, South Coast and Westin Hotels and Casinos.
- Implemented the Fire Inspection Scheduling System to expedite inspections.
- Improved various systems such as mobile software and station alerting systems.
- The department and IAFF Local 1908 hosted a Fire Ops event in June 2005 to acquaint state and local officials from across the country with the daily dangers and demands placed on fire and rescue personnel. Each participant went through a series of emergency responses, e.g. driving simulator, CPR, Flashover Simulator (exposure to high heat, smoke and fire), and confined space rescue.
- Adopted the 2005 Clark County Uniform Fire Code Ordinance.



## - 2005 Responses -

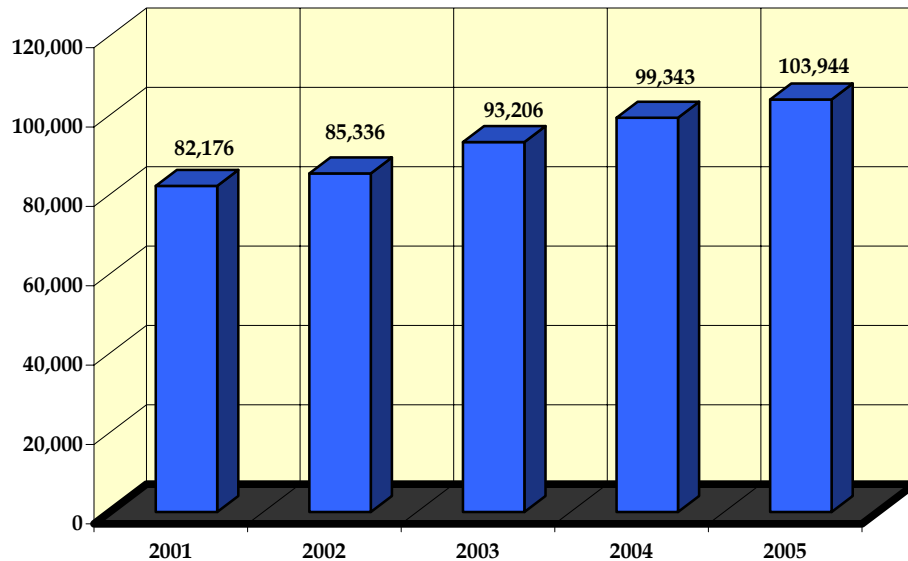
This year, the department responded to 103,944 incidents:

- 101,613 by full-time units
- 2,331 by volunteers
- 4,143 were fires (974 Structure and 3,169 Other Fires)
- 76,120 were medical
- 23,681 were for other reasons, such as: Technical Rescues, Hazmat, False Alarms, etc.

Estimated dollar loss is as follows:

Category	
Residential Fires	\$27,225,513
Commercial / Other Structural Fires	\$ 5,485,106
Vehicle Fires	\$ 7,399,955
Dumpster, Trash, or Other Fire	\$ 416,561
<b>TOTAL ESTIMATED LOSS</b>	<b>\$36,291,040</b>

Graph below illustrates that overall responses in 2005 increased by 5% over 2004 totals.

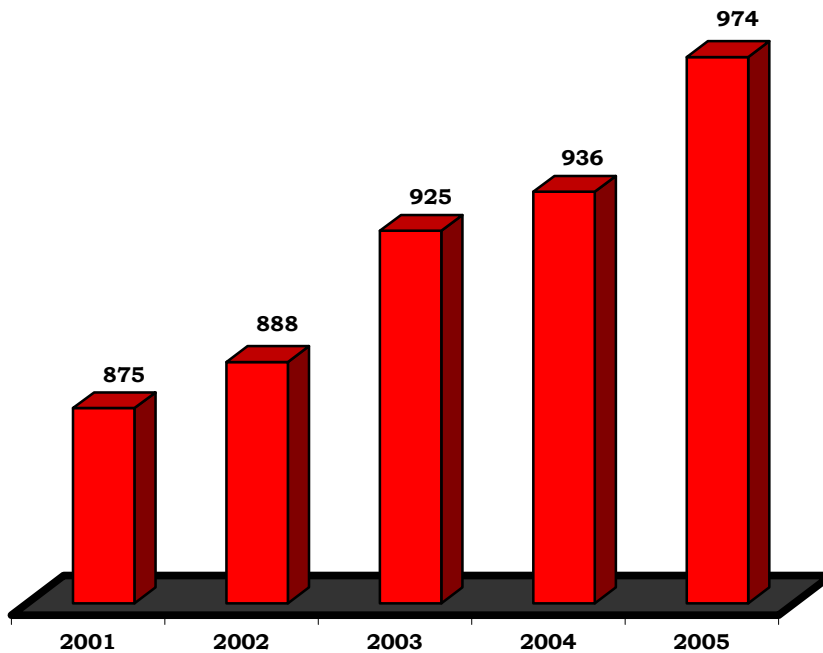


**- 2005 Incident Overview-**

**STRUCTURE FIRES**

	Number of Fires	Deaths	Injuries	Estimated Damage
Private Dwellings	380	5	28	\$15,080,492
Apartments	332	0	28	\$11,928,686
Hotels and Motels	60	0	5	\$199,685
All Other Residential	10	0	1	\$16,650
Public Assembly	61	0	1	\$382,553
Schools and Colleges	14	0	0	\$15,390
Health Care/Penal Institution	7	0	1	\$25,500
Stores and Offices	51	0	2	\$1,090,560
Industry, Utility, Lab	3	0	0	\$754,000
Storage in Structure	19	0	0	\$733,800
Other Structure	37	0	2	\$2,483,303

Reported a total of **974 structure fires** for 2005, an increase of 4% over 2004.

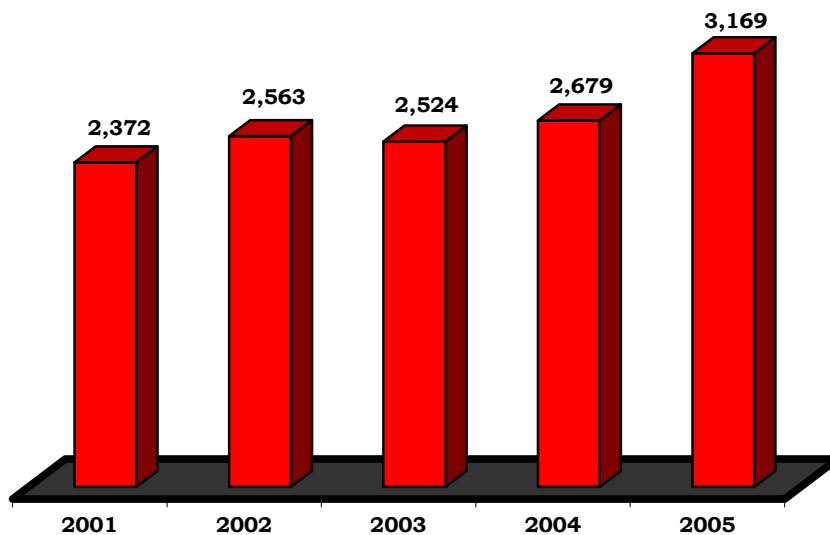




## OTHER FIRES

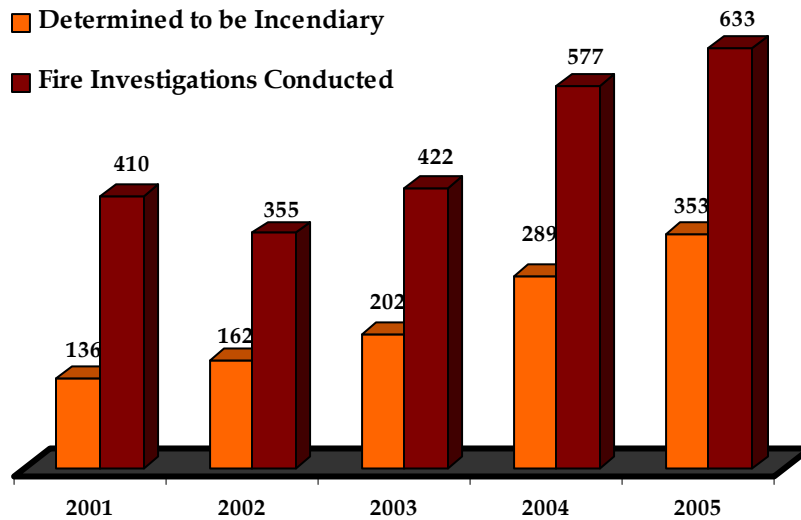
	Number of Fires	Deaths	Injuries	Estimated Damage
Fires in Highway Vehicles	921	4	11	\$6,636,576
Fires in Other Vehicles	87	1	1	\$763,379
Fires Outside of Structures with Value Involved, but Not Vehicles	137	0	0	\$285,561
Fires in Brush, Grass, Wildland (excluding Crops and Timber)	722	0	0	N/A
Fires in Rubbish, including Dumpsters (outside)	1,268	0	0	N/A
All Other Fires	34	0	0	\$131,000

Reported a total of **3,169 other fires** for 2005, an increase of 18% over 2004.

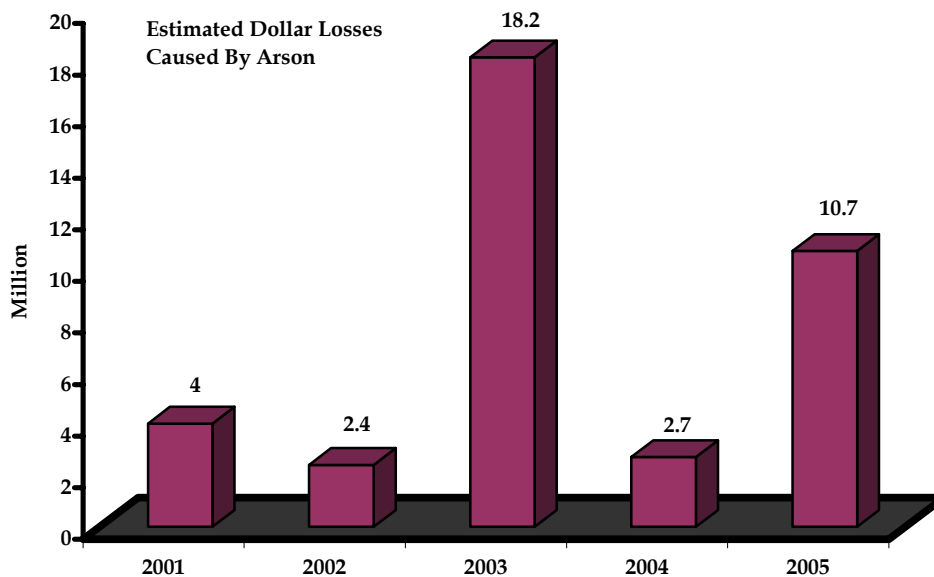


## FIRE INVESTIGATIONS CONDUCTED

In 2005, there were 633 fire investigations conducted, a 10% increase over 2004. Of the 633 fires investigated, 353 were incidents determined to be incendiary in nature. Approximately \$10.7 million in losses were due to arson. The graph below illustrates the total number of fires that were investigated compared to the number of incidents determined to be incendiary in a 5-year period.



Reported a total of **353** that were determined as arson fires for 2005, an increase of 22% over 2004.



## RESCUE EMERGENCY MEDICAL RESPONSES

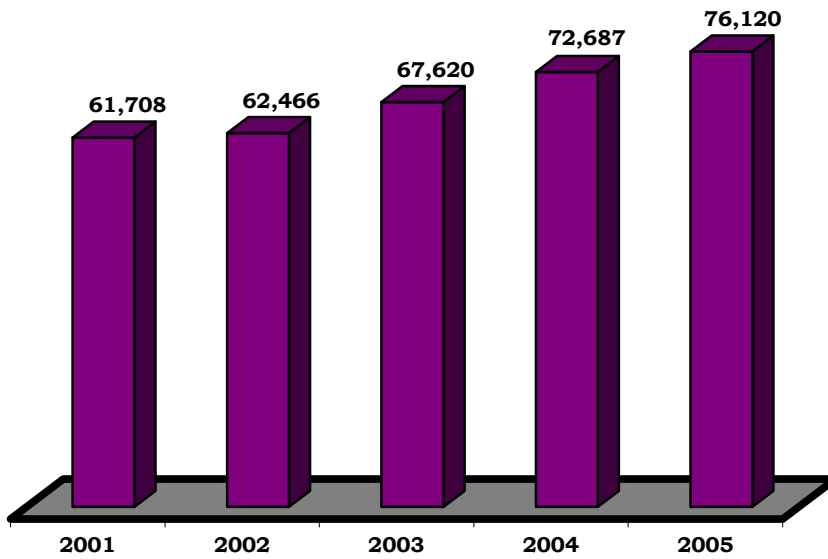


Diagram above represents an increase of 5% in emergency medical responses in 2005 over the previous year.

## OTHER RESPONSES

(Include False Alarm, Mutual Aid, Hazardous Materials, Technical Rescue, etc.)

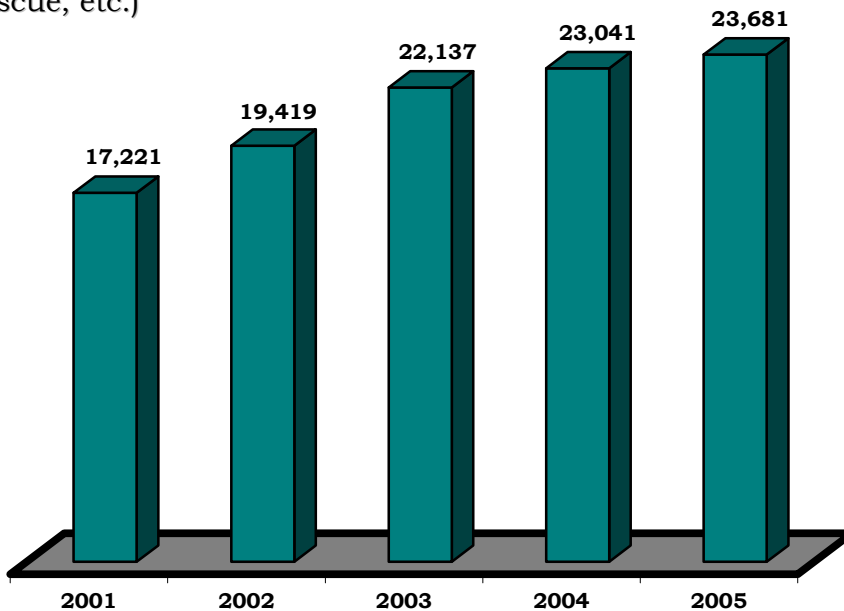


Diagram above illustrates that all other responses increased by 3% in 2005 over 2004.



## - Responses by Station -

The department has a total of 38 fire stations, 25 staffed with paid firefighters and 13 with volunteer firefighters. The following two tables illustrate the percentage of change in emergency responses for each fire station between 2004 and 2005.

### FULL-TIME STATIONS

	2005	2004	% Change
Station 11	8,250	7,329	13%
Station 12	6,823	5,356	27%
Station 13	3,187	3,048	5%
Station 14	8,595	7,452	15%
Station 15	8,442	9,147	-8%
Station 16	8,158	7,420	10%
Station 17	5,390	4,903	10%
Station 18	22,045	20,844	6%
Station 19	5,944	4,966	20%
Station 20	3,657	3,461	6%
Station 21	5,785	4,788	21%
Station 22	8,619	8,254	4%
Station 23	5,895	4,564	29%
Station 24	4,464	3,802	17%
Station 25	4,831	4,660	4%
Station 26	5,094	4,702	8%
Station 27	10,046	8,748	15%
*Station 28	2,861	355	706%
Station 31	1,627	1,824	-11%
Station 34	1,924	1,558	23%
Station 38	5,013	4,384	14%
Station 65	1,888	1,463	29%
Station 76	2,613	2,897	-10%
Station 85	690	703	-2%
Station 87	1,113	1,089	2%

Notes: Above responses are based on initial calls.

\*Station 28 became operational on November 12, 2004. The total number of incidents reported in 2004 only covers approximately 2 months.



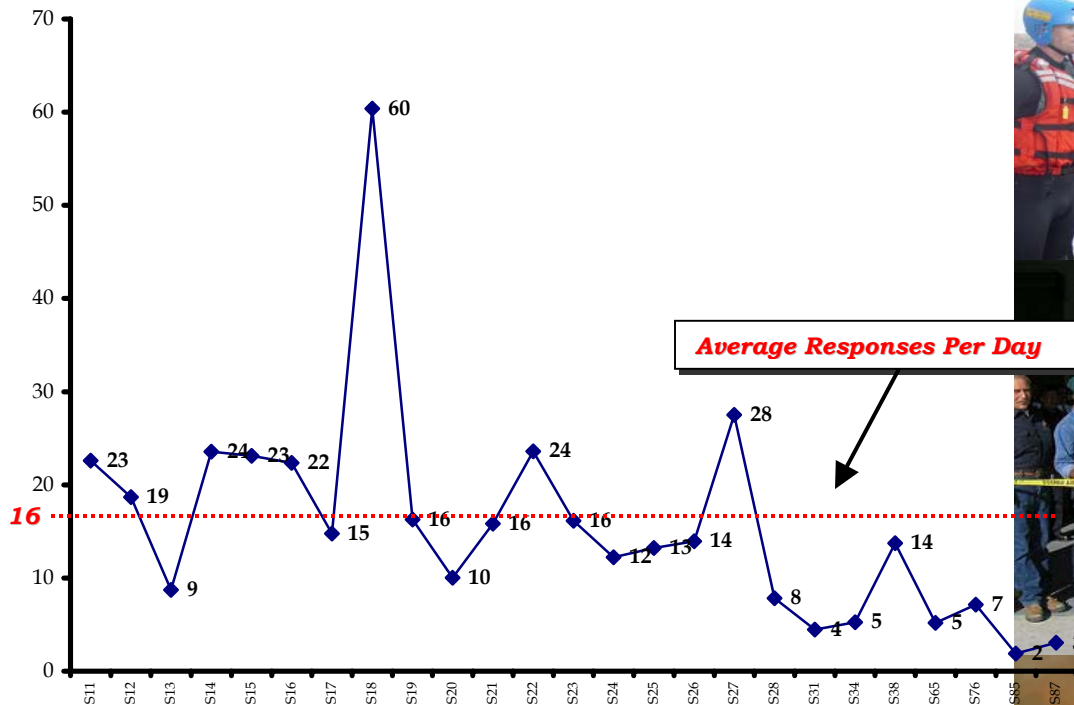
## VOLUNTEER STATIONS

	2005	2004	% Change
Station 71	181	228	-21%
Station 72	302	312	-3%
Station 73	853	771	11%
Station 74	513	470	9%
Station 75	456	397	15%
Station 77	412	329	25%
Station 78	62	42	48%
Station 79	274	206	33%
Station 80	243	254	-4%
Station 81	268	343	-22%
Station 82	37	41	-10%
Station 83	362	291	24%

Note: Above responses are based on initial calls.

## AVERAGE DAILY RESPONSES

The average number of responses is **16** per day for a full-time station.



**- Responses by Unit -**

Responses for each unit and percentage changes between 2004 and 2005 are outlined below.

**FULL-TIME ENGINE COMPANIES**

Unit	2005	2004	% Change
E11	3,227	2,980	8%
E12	2,239	1,946	15%
E14	3,707	3,263	14%
E15	3,234	3,563	-9%
E16	2,575	2,393	8%
E17	4,228	3,825	11%
E18	3,167	2,700	17%
E218	2,148	2,071	4%
E19	2,485	2,156	15%
E20	3,657	3,461	6%
E21	1,688	1,367	23%
E22	2,746	3,057	-10%
E23	2,098	3,111	-33%
E24	1,805	1,526	18%
E25	4,201	3,991	5%
E26	2,375	2,225	7%
E27	4,377	3,714	18%
*E28	1,350	168	704%
E31	1,627	1,241	31%
E34	1,924	1,558	23%
E38	2,469	2,117	17%
E65	949	800	19%
*E66	35	N/A	-
E76	389	425	-8%
E85	690	703	-2%

Notes: Above responses are based on initial calls.

\*E28 became operational on November 12, 2004. The total number of incidents reported in 2004 covers approximately 2 months.

\*E66 became operational on December 16, 2005.



## FULL-TIME RESCUES

Unit	2005	2004	% Change
R11	3,840	3,270	17%
R12	4,584	3,402	35%
R13	2,573	2,442	5%
R14	4,604	3,916	18%
R15	5,208	5,584	-7%
R16	4,307	3,767	14%
R18	9,050	9,005	0%
R218	4,408	4,580	-4%
R19	3,263	2,632	24%
R21	2,634	2,006	31%
R22	4,510	3,799	19%
R23	3,797	1,463	160%
R24	2,445	2,089	17%
R26	2,710	2,477	9%
R27	4,867	4,175	17%
*R28	1,511	187	708%
R38	2,544	2,267	12%
R65	939	663	42%
*R66	62	N/A	-
R76	1,903	2,108	-10%
R87	1,113	1,089	2%

Notes: Above responses are based on initial calls.

\*R28 became operational on November 12, 2004.

\*R66 became operational on December 16, 2005.

## FULL-TIME TRUCK COMPANIES

Unit	2005	2004	% Change
T11	1,183	1,079	10%
T16	1,276	1,260	1%
T17	1,162	1,078	8%
T18	2,469	2,488	-1%
T22	1,363	1,398	-3%
T76	300	344	-13%

Note: Above responses are based on initial calls.



**VOLUNTEER ENGINE COMPANIES**

Unit	2005	2004	% Change
E71	61	56	9%
E72	92	74	24%
E73	195	158	23%
E74	128	94	36%
E75	72	57	26%
E77	78	65	20%
E78	11	15	-27%
E79	138	106	30%
E80	123	121	2%
E81	82	95	-14%
E82	16	6	167%
E83	75	46	63%

*Note: Above responses are based on initial calls.*

**VOLUNTEER RESCUES**

Unit	2005	2004	% Change
R71	80	120	-33%
R72	183	212	-14%
R73	437	387	13%
R74	296	287	3%
R75	260	232	12%
R77	202	175	15%
R78	35	19	84%
R81	132	204	-35%
R83	197	195	1%

*Note: Above responses are based on initial calls.*





### VOLUNTEER SQUADS

Unit	2005	2004	% Change
SQ71	25	41	-39%
SQ72	16	19	-16%
SQ73	174	163	7%
SQ74	58	59	-2%
SQ75	104	86	21%
SQ77	91	71	28%
SQ78	13	5	160%
SQ79	136	97	40%
SQ80	89	114	-22%
SQ81	54	44	23%
SQ82	21	14	50%
SQ83	90	50	80%

*Note: Above responses are based on initial calls.*

### VOLUNTEER WATER TENDERS

Unit	2005	2004	% Change
WT71	15	11	36%
WT72	11	7	57%
WT73	53	52	2%
WT74	31	30	3%
WT75	20	12	67%
WT77	41	18	128%
WT78	3	3	0%
WT80	31	12	67%
WT84	20	12	67%

*Note: Above responses are based on initial calls.*

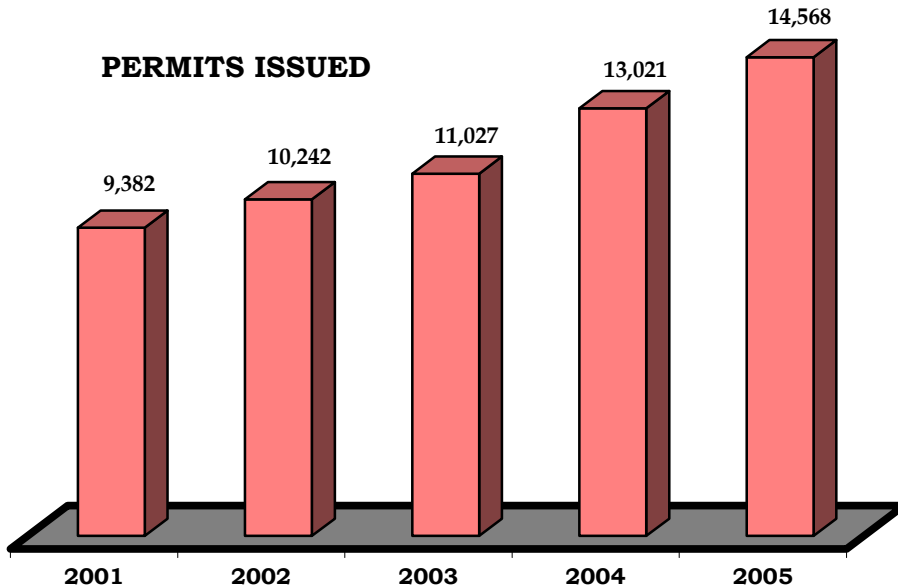


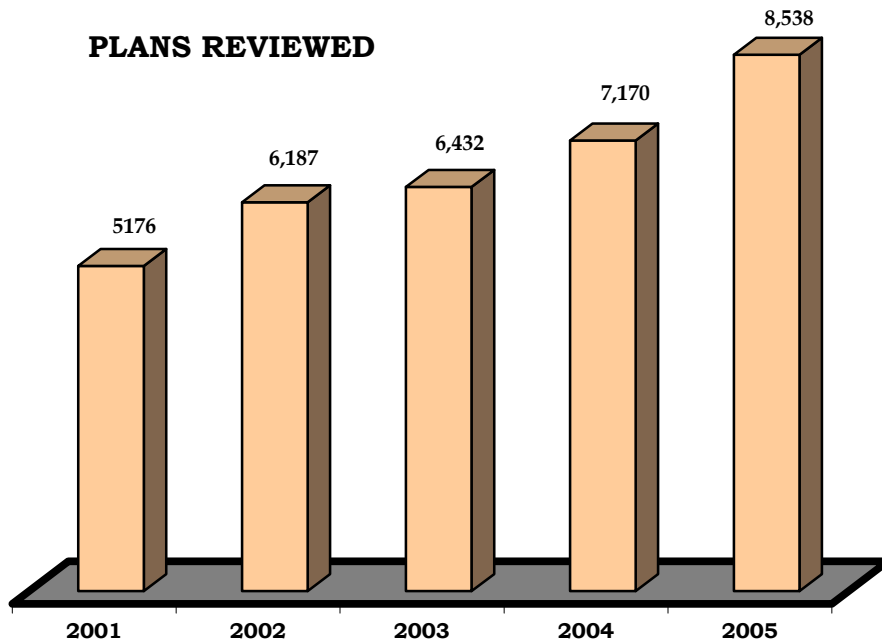
**- Fire Prevention -**

The continuing growth throughout the County resulted in the Fire Prevention Division conducting approximately 99,133 inspections in support occupancies, fire systems, permits, complaints and other requirements related to building safety. The breakdown of these inspections is as follows:

<u>Category</u>	<u>Number of Inspections</u>
Occupancies	25,993
Fire Systems	66,449
Permits Reviewed/Inspected	5,155
Complaints Reviewed/Inspected	1,536

The division also issued 14,568 permits in 2005, which resulted in an increase of 12% over 2004.





A total of 8,538 plans were reviewed in 2005, an increase of 19% over 2004.

### **PUBLIC EDUCATION**

The Fire Prevention Bureau is also responsible for the Public Education Division. During 2005, 166 programs were made available to the community. Fire safety education was provided through various programs such as Station Tours, Fire Safety Classes and Presentations, Fire Safety House, Nevada Reading Week, Sesame Street Workshop, and Fire Prevention Week activities.

	Number of Events	Total Participants
Station Tours	84	1,903
Fire Safety Classes	10	246
Fire Safety Presentation	45	1,771
Fire Safety House	6	665
Nevada Reading Week	15	450
Sesame Street Workshop	1	200
Fire Prevention Week	5	1,430
<b>TOTAL</b>	<b>166</b>	<b>6,671*</b>

*\*Note: This number includes 62,000 students and 471 adults who received fire safety education.*



