

**Longview Fire Department**

**2005**

# *Longview Fire Department*

**2005 Annual Report**

**Fire Chief Daryl McDaniel**



# *Vision Statement*

*Fire Services and partners working in harmony to promote a safe and healthy community.*

## *Mission of the Longview Fire Department*

*The Mission of the Longview Fire Department is to Reduce pain and suffering, associated with life and property loss in a safe and cost effective manner, through*

*Fire Prevention, Public Education, Emergency Medical, and Rescue and Fire Control.*



## *Chief's Message*

*2005 marks 82 years of uninterrupted service of the Longview Fire Department to the community. Your firefighters continue to deliver a professional level of service that you can be as proud of as I am. On average, once every 1.7 hours, your EMT/Firefighters are responding to your requests to bring order to chaos, render emergency medical care, extinguish the fire, or to rescue an injured patient trapped in a vehicle accident. This report will hopefully paint a clear picture of the team effort the Department provides in exchange for your tax dollar investment.*



*As a Department and a player on the City's team, we continually evaluate our performance to maintain the highest level of efficiency in delivering the best service possible within given resource parameters.*

*In closing, your Fire Department's goal continues to be "Timely Response, Quality Service" in all our program deliveries. As your fire chief, I wish to extend our thanks to you as a community and as the people we serve for your continued support and hope that we have made a positive impact on those we have touched.*

*Sincerely,  
Daryl McDaniel, Fire Chief*

***The Longview Fire Department** is a full-service emergency service provider. The city is protected by two fire engines and an aerial fire truck, staffed full-time with a minimum of three personnel. The city is served out of two fire stations. Headquarters, Station 81, is located in the downtown core area and Station 82 is located on the west end of the city. In addition, the city has mutual and auto-aid agreements with neighboring jurisdictions.*

**Station 81**



**Station 82**



## PROGRAMS OVERVIEW

**Fire Prevention:** *The Fire Prevention Program seeks to prevent and minimize the negative effects of fires and promotes life safety through public education and code administration.*

**Emergency Preparedness:** *The Emergency Preparedness Program assures safety of the community in the event of major disasters; i.e. floods, storms, seismic events, tornadoes.*

**Emergency Medical Service:** *Through the EMS program, the Fire Department provides basic life emergency medical services. Firefighters respond to medical emergencies that vary from vehicle accidents and emergency rescues to cardiac emergencies and trauma situations.*

**Fire Suppression:** *The fire suppression program comprises of one of the Fire Department's primary missions, the Control and Extinguishment of fires.*



***Fire Prevention Program: Seeks to prevent and minimize the negative effects of fires and promotes life safety through public education and code administration.***

<u>Performance Measure (Efficiency / Effectiveness)</u>		First Actual Year:		<u>2001</u>	
<u>Efficiency / Effectiveness</u>		2003	2004	2005	2006
		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Target</u>
<u>A</u>	Company level inspections completed	95%	1843	2044	100%
<u>B</u>	High-risk/target hazard inspections completed	n/a	105	134	100%
<u>C</u>	Business license reviews completed	403	485	395	100%
<u>D</u>	New construction fire plan reviews/inspections completed	100%	100%	694	100%
<u>E</u>	Special event inspections completed	100%	213	201	100%
<u>F</u>	Public education contacts made	13,334	15,000	4,516	8,000
<u>G</u>	Citizens contacted during Fire Prevention Week Activities	3,315	4,000	3,366	4,000
<u>H</u>	Fire investigations conducted	11	90	163	100%
<u>I</u>	Juvenile fire setters counseled	100%	100%	8	100%

***Emergency Preparedness Program: Ensures safety of the community in the event of major disasters; i.e. floods, storms, seismic events, tornadoes.***

Performance Measure (Efficiency / Effectiveness)		First Actual Year:		2003	
		2003	2004	2005	2006
Efficiency / Effectiveness		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Target</u>
A	Review and Update Readiness & Response Plan Annually.	1	1	2	1
B	Conduct quarterly exercise and inventory of EMZ.	1	1	1	4
C	Coordinate annual tabletop exercise.	0	1	1	1
C	Coordinate annual practical exercise.	0	1	1	1
D	Participate in all LEPC activities.	4	4	4	4
E	Participate in all Region IV training and exercises	n/a	1	1	1
B	Semi-annual updates of emergency contact list	1	1	2	2

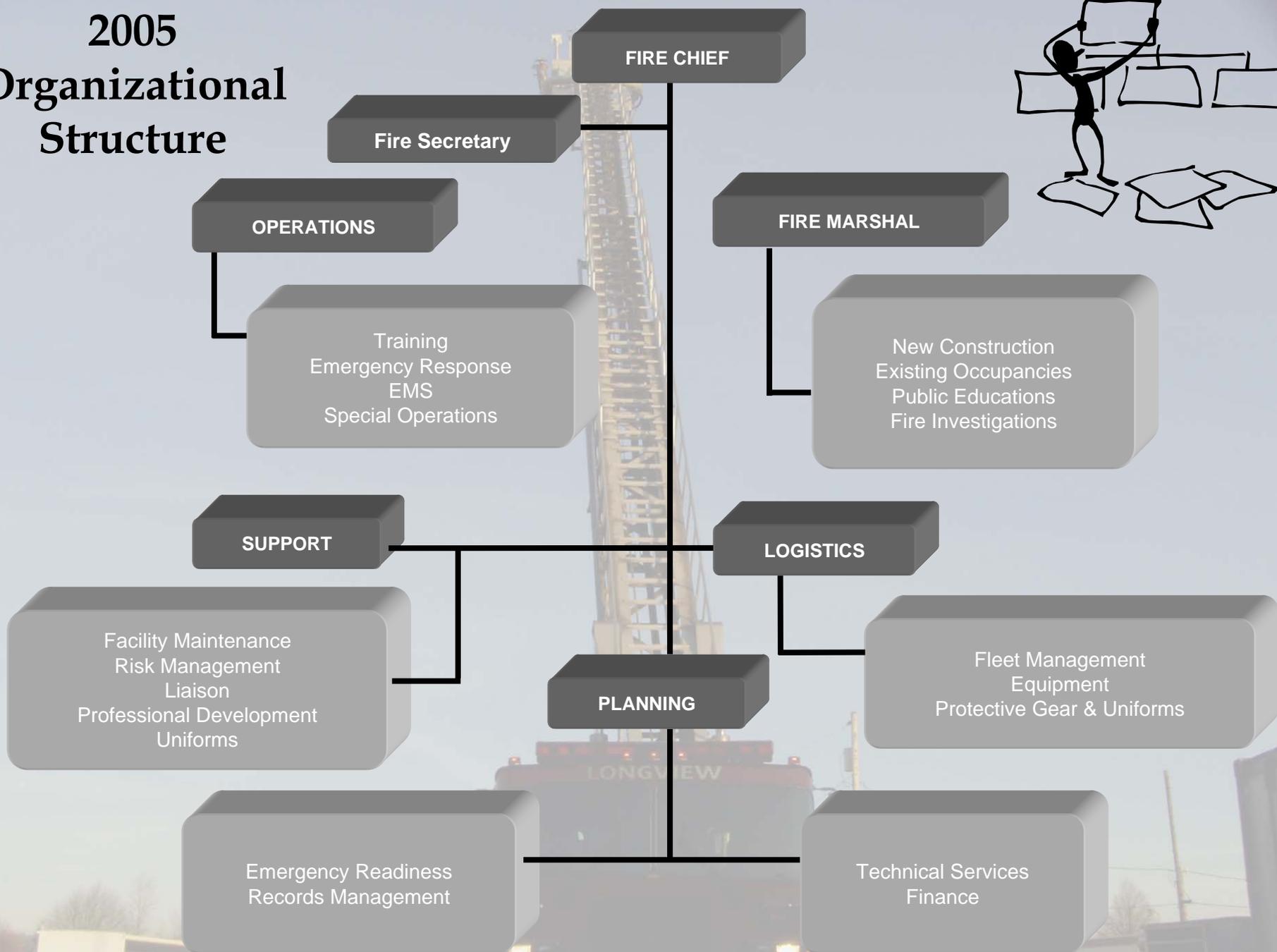
***Emergency Medical Service Program: The Fire Department provides basic life emergency medical services. Firefighters respond to medical emergencies that vary from vehicle accidents and emergency rescues to cardiac emergencies and trauma situations.***

<u>Performance Measure (Efficiency / Effectiveness)</u>		First Actual Year:		<u>2001</u>	
<u>Efficiency / Effectiveness</u>		2003	2004	2005	2006
		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Target</u>
<u>A</u>	Respond to 90% of medical emergencies in 5 minutes or less.	n/a	100%	65%	100%
<u>B</u>	Annual contract renewal with Medical Program Director.	1	1	1	1
<u>B</u>	Participate in County's EMS Council Meetings and Activities.	6	12	12	12
<u>C</u>	Attend monthly EMS Run Review meetings.	3	1	12	12
<u>C</u>	Meet annual OTEP training requirements (33 hrs per firefighter).	33	14	11	33
<u>D</u>	All emergency medical responses	3600	3901	4423	

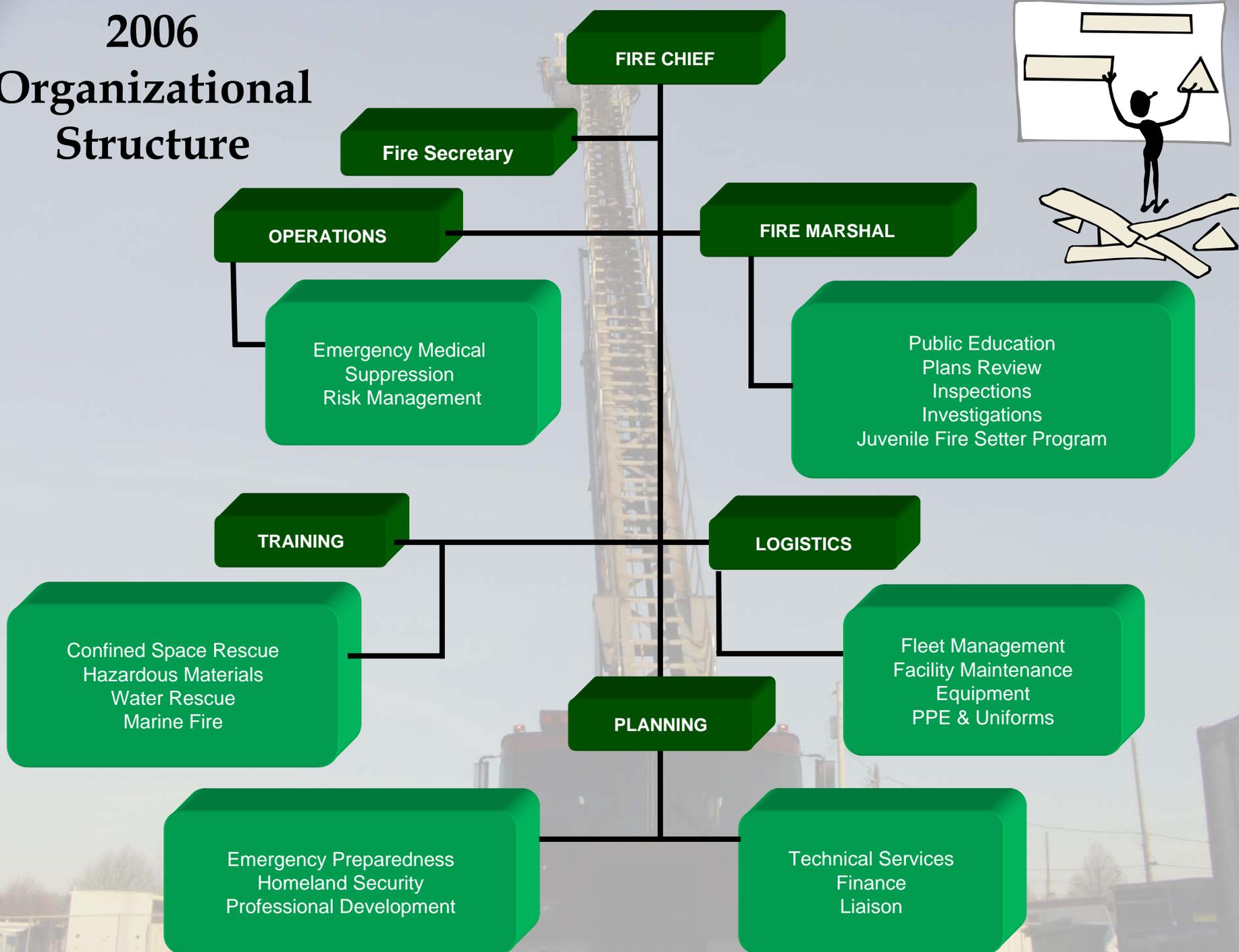
***Fire Suppression Program: Comprises one of the Fire Department's primary missions, the Control and Extinguishment of fires.***

<u>Performance Measure (Efficiency / Effectiveness)</u>		First Actual Year:		<u>2003</u>	
<u>Efficiency / Effectiveness</u>		2003	2004	2005	2006
		<u>Actual</u>	<u>Actual</u>	<u>Actual</u>	<u>Target</u>
<u>A</u>	Number of injuries/fatalities as a direct result of fire	0	0	2	0
<u>B</u>	Respond to 90% of fire emergencies in 5 minutes or less.	100%	100%	65%	100%
<u>B</u>	"Full Alarm" arrives fire emergencies in 9 minutes or less 90%	100%	100%	100%	100%
<u>C</u>	80 % of structure fires confined to the room of origin	100%	100%	100%	100%
<u>C</u>	Training hours delivered (actual hours per firefighter)	100	130	207	207
<u>D</u>	Annual proficiency assessment of all firefighters	1	1	1	1
<u>E</u>	Contract industry training hours (450 hours minimum)	693	482	703	450
<u>E</u>	Standby fees collected for industry contracts	\$142,788	\$159,521	\$ 157,768	100%
<u>A</u>	All fire responses	961	954	1017	
<u>F</u>	Billing fees collected for industry contracts other than standby	\$28,981	\$116,795	\$109,240	

# 2005 Organizational Structure



# 2006 Organizational Structure



# Fire Prevention

***The Fire Prevention Program includes pre-construction plan review for life and fire safety concerns of all new construction within the City of Longview.***

***In addition, the program activities include fire investigations, commercial occupancy inspections, public education and public relations.***



# Fire Prevention

## 2005 COMMERCIAL BUILDING PERMITS

<u>CLASS OF WORK</u>	<u># Permits</u>	<u>Permit Fees</u>	<u>Valuation</u>
Altered Commercial	85	\$160,091.91	\$13,530,191.00
Altered Industrial	2	\$6,612.58	\$512,000.00
Altered Institutional	8	\$170,439.25	\$22,566,000.00
Altered Multi-Family	8	\$3,819.31	\$271,600.00
Altered Public	7	\$25,506.04	\$2,197,000.00
City Exempt	4	\$0.00	\$414,158.00
New Commercial	15	\$144,667.36	\$16,614,486.00
New Industrial	5	\$19,503.01	\$1,573,341.00
New Public	6	\$18,384.34	\$1,661,651.00
<b>TOTALS</b>	<b>140</b>	<b>\$549,023.80</b>	<b>\$59,340,427.00</b>

## 2005 LIFE SAFETY PERMITS

<u>CLASS OF WORK</u>	<u># Permits</u>	<u>Permit Fees</u>	<u>Valuation</u>
Fire Alarm Systems	22	\$6,704.00	\$206,900.30
Fire Extinguishing Systems	52	\$23,130.05	\$1,099,281.00
Fireworks	2	\$104.00	\$0.00
Flammable/Combustible Liquids	6	\$1,553.30	\$66,200.00
Hazardous Material Storage	10	\$1,022.26	\$12,050.00
Miscellaneous	3	\$1,736.13	\$69,625.00
Special Inspections	14	\$676.00	\$0.00
Water Mains & Fire Hydrants	3	\$1,694.48	\$63,400.00
<b>TOTALS</b>	<b>112</b>	<b>\$36,620.22</b>	<b>\$1,517,456.30</b>



# Fire Prevention

**Fire Investigations  
163 Total for 2005**



## ACCIDENTAL/UNINTENTIONAL

Fire Marshal Kambeitz and Battalion Chief Phil Jurmu are the lead investigators and are responsible for conducting investigations of all fires that occur within the city. They are supported by three shift investigators. The shift investigators investigate small loss and accidental fires that occur on their shift. They also serve as Lead Investigators if the Fire Marshal or Battalion Chief are not available.

Large loss and criminal fires require a lead investigator.

A strong working relationship has been forged with the police department on fires that are found to be criminal in nature.

## ARSON

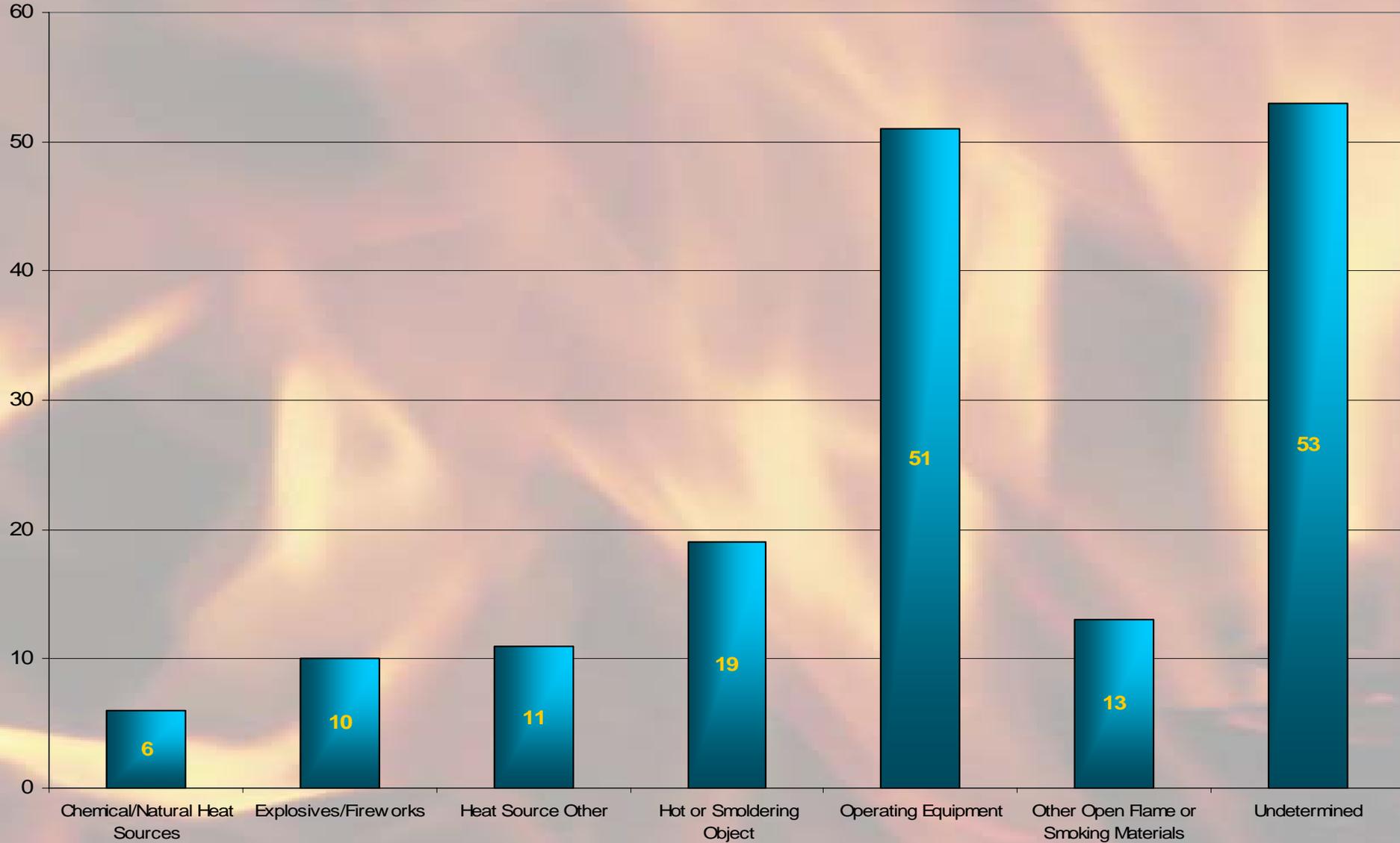


## UNDETERMINED



# Fire Prevention

## Causes of Ignition



# Fire Prevention

*Commercial Occupancy Inspections is one of the areas that requires a large amount of attention from all members of the fire department. Conducting occupancy inspections reduces the number of fire hazards present in buildings thereby reducing the number of fires that occur.*

*A number of secondary benefits are derived from occupancy inspections.*

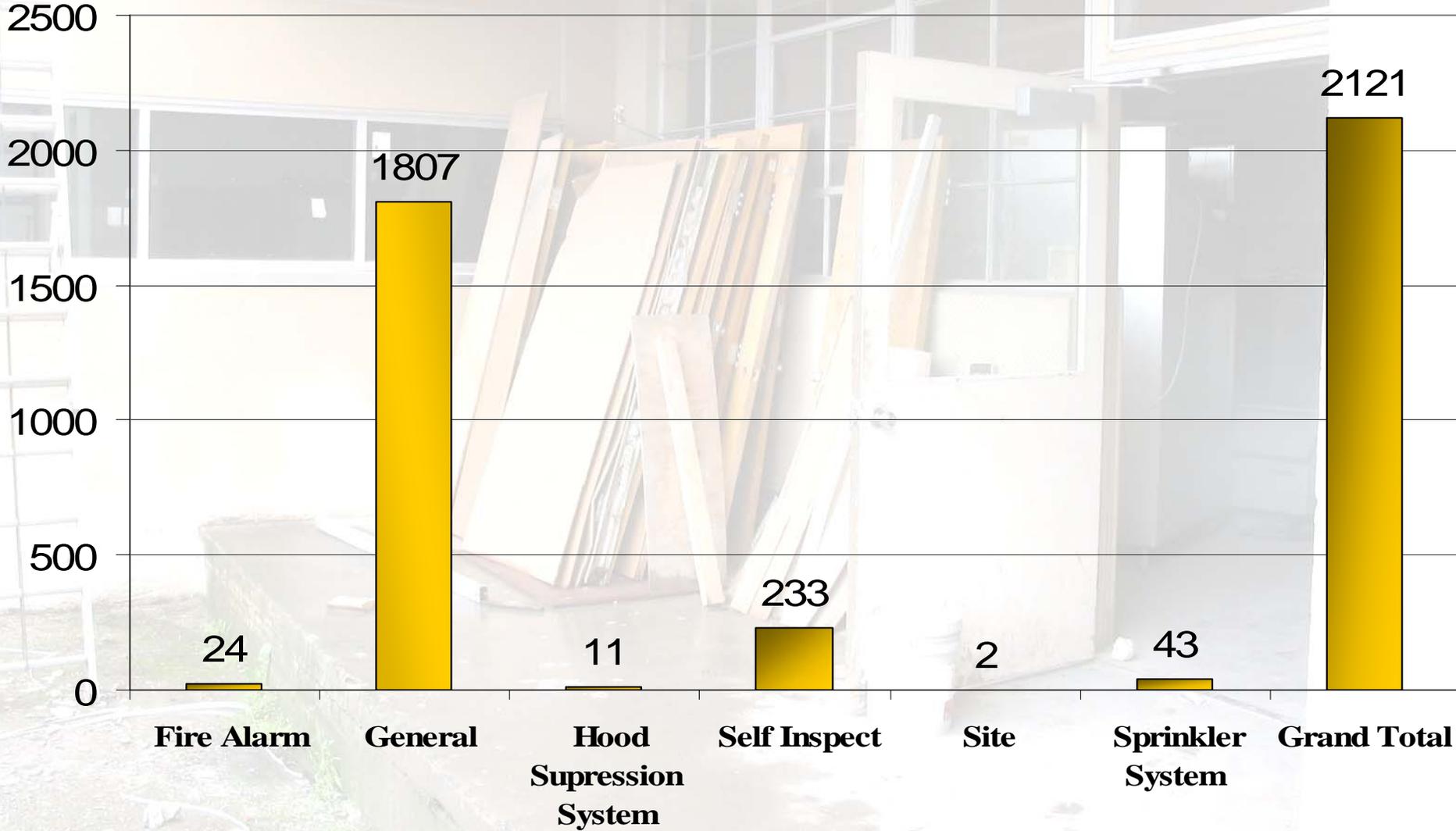
*These are:*

- Occupancy representatives are better educated in identifying fire hazards.*
- Fire personnel become more familiar with building layouts in the event of an emergency event at one of these locations.*
- Relationships and partnerships are formed between occupancy representatives and fire personnel. These partnerships are vital in developing a fire safe community.*



# Fire Prevention

## Inspection Type



# Operations

## **The accomplishments of the Operations/Training Division during this period are:**

- **Participated in Homeland Security Region IV Annual Exercise (3/29)**
- **Participated in Earthquake Response Exercise with multiple agencies, sponsored by Weyerhaeuser (10/4)**
- **Two chief officers participated in WMD and Terrorism Emergency Management workshop sponsored by Office of Domestic Preparedness.**
- **Four officers completed Hazardous Materials Incident Commander course**
- **Nine members completed the National Fire Academy course, "Incident Safety Officer."**
- **Three officers trained at Hampton Roads (Virginia) Marine Firefighting School. Costs borne by Marine Fire Safety Association.**
- **Nine members participated in the annual Marine Fire Safety Association shipboard firefighting exercise in Vancouver.**
- **Confined Space Rescue Team trained 27 hours in 2005, subsidized by contract clients. Additionally, all members participated in confined space / rail car rescue exercise at Solvay Interlox facility.**

02.10.2005 12:04



Chief Taylor in Command at a Training Fire



Night Operations

# Incident Response Analysis

## City of Longview Fire Department Information

**Square Miles**                    **13.75**  
**Population**  
**35,000**  
**Firefighters per 1,000**        **1.11**  
**Suppression Personnel**        **39**  
**Administrative Staff**            **4**

Incident Type	Incident #	Response Time	Duration
False Call	330	0:04:53	0:15:57
Fire	295	0:05:43	0:52:32
Good Intent	659	0:05:19	0:13:05
Hazardous Condition	64	0:06:28	0:28:21
Medical Aid	3457	0:05:29	0:22:31
Overpressure/Explosion	12	0:04:45	0:28:54
Public Assist	298	0:07:02	0:20:10
Severe Weather	1	0:05:41	0:14:22
Wind Storm	5	0:06:53	0:33:27
Special Incident	17	0:03:35	0:44:52
Citizen Complaint	9	0:09:15	0:17:27
<b>Grand Total</b>	<b>5147</b>	<b>0:05:33</b>	<b>0:22:38</b>



### Response Time Target

< 5 Minutes 90% of the Time

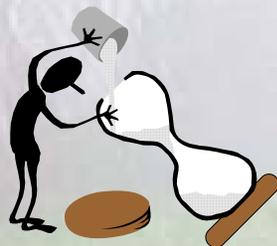
### Response Time Actual

< 5 Minutes 65% of the Time

# Fire Responses by Type



Description	Incident #	Response Time	Duration
Brush or brush-and-grass mixture fire	3	0:05:07	2:37:34
<b>Building fire</b>	<b>56</b>	<b>0:05:34</b>	<b>1:44:44</b>
Chimney or flue fire, confined to chimney or flue	11	0:04:56	0:28:19
Cooking fire, confined to container	14	0:05:25	0:45:01
<b>Dumpster or other outside trash receptacle fire</b>	<b>45</b>	<b>0:05:48</b>	<b>0:26:32</b>
Fires in structure other than in a building	6	0:04:23	0:28:25
Forest, woods or wildland fire	2	0:05:42	2:27:06
Garbage dump or sanitary landfill fire	2	0:13:05	3:30:08
Grass fire	6	0:05:57	0:14:56
Natural vegetation fire, Other	18	0:05:55	0:23:01
Outside equipment fire	4	0:09:33	0:58:09
Outside rubbish fire, Other	6	0:05:42	0:36:51
Outside rubbish, trash or waste fire	20	0:05:22	0:15:20
Outside storage fire	7	0:08:47	2:11:44
<b>Passenger vehicle fire</b>	<b>45</b>	<b>0:04:50</b>	<b>0:30:48</b>
Rail vehicle fire	5	0:05:38	2:11:47
Road freight or transport vehicle fire	4	0:07:07	0:40:36
Trash or rubbish fire, contained	2	0:05:07	0:20:20
<b>Grand Total</b>	<b>295</b>	<b>0:05:43</b>	<b>0:52:32</b>



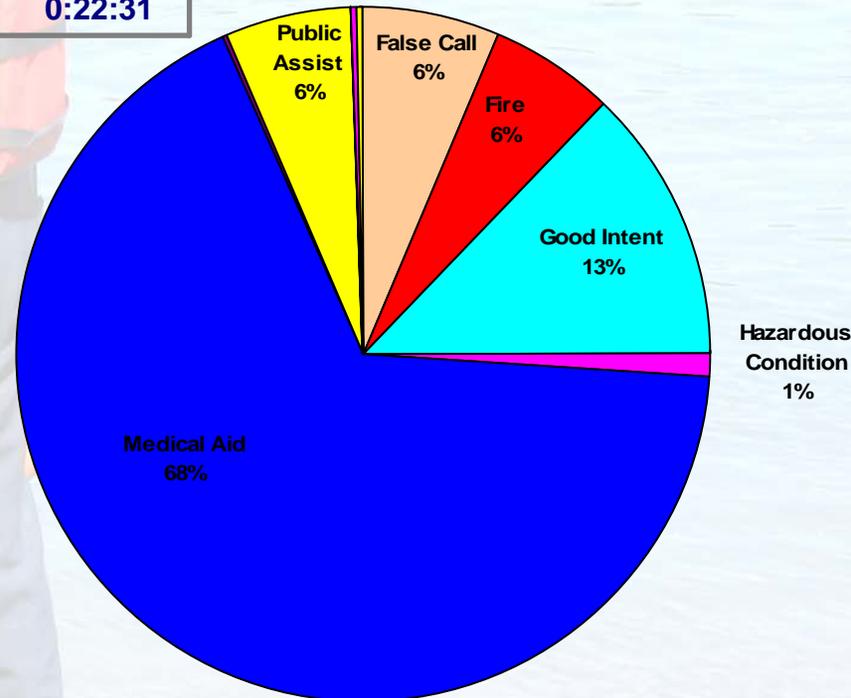
# EMS Responses



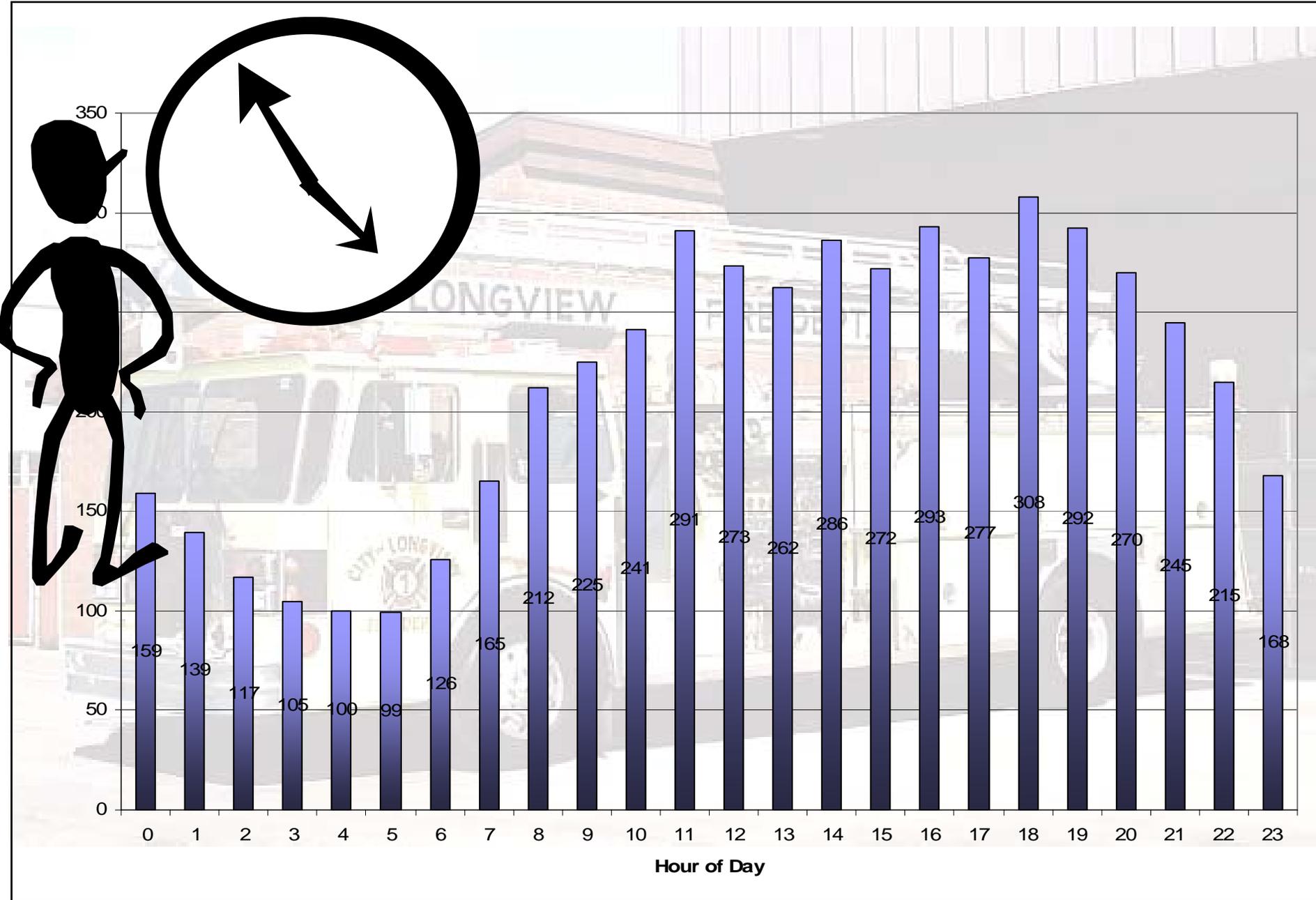
Description	Incident	Resp. Time	Duration
EMS call, excluding vehicle accident with injury	373	0:05:09	0:23:11
Extrication of victim from building/structure	3	0:12:00	0:43:58
Extrication of victim(s) from vehicle	16	0:04:47	0:44:16
Medical assist, assist EMS crew	<b>2862</b>	<b>0:05:35</b>	<b>0:22:04</b>
Motor vehicle accident with injuries	71	<b>0:04:58</b>	<b>0:32:23</b>
Motor Vehicle Accident with no injuries	54	0:04:21	0:20:03
Motor vehicle/pedestrian accident (MV Ped)	7	0:05:03	0:14:20
Removal of victim(s) from stalled elevator	3	0:04:09	0:21:17
Rescue or EMS standby	6	0:05:17	1:10:49
Rescue, EMS incident, other	39	0:05:18	0:22:18
<b>Grand Total</b>	<b>3457</b>	<b>0:05:29</b>	<b>0:22:31</b>

## EMS Response Time Actual

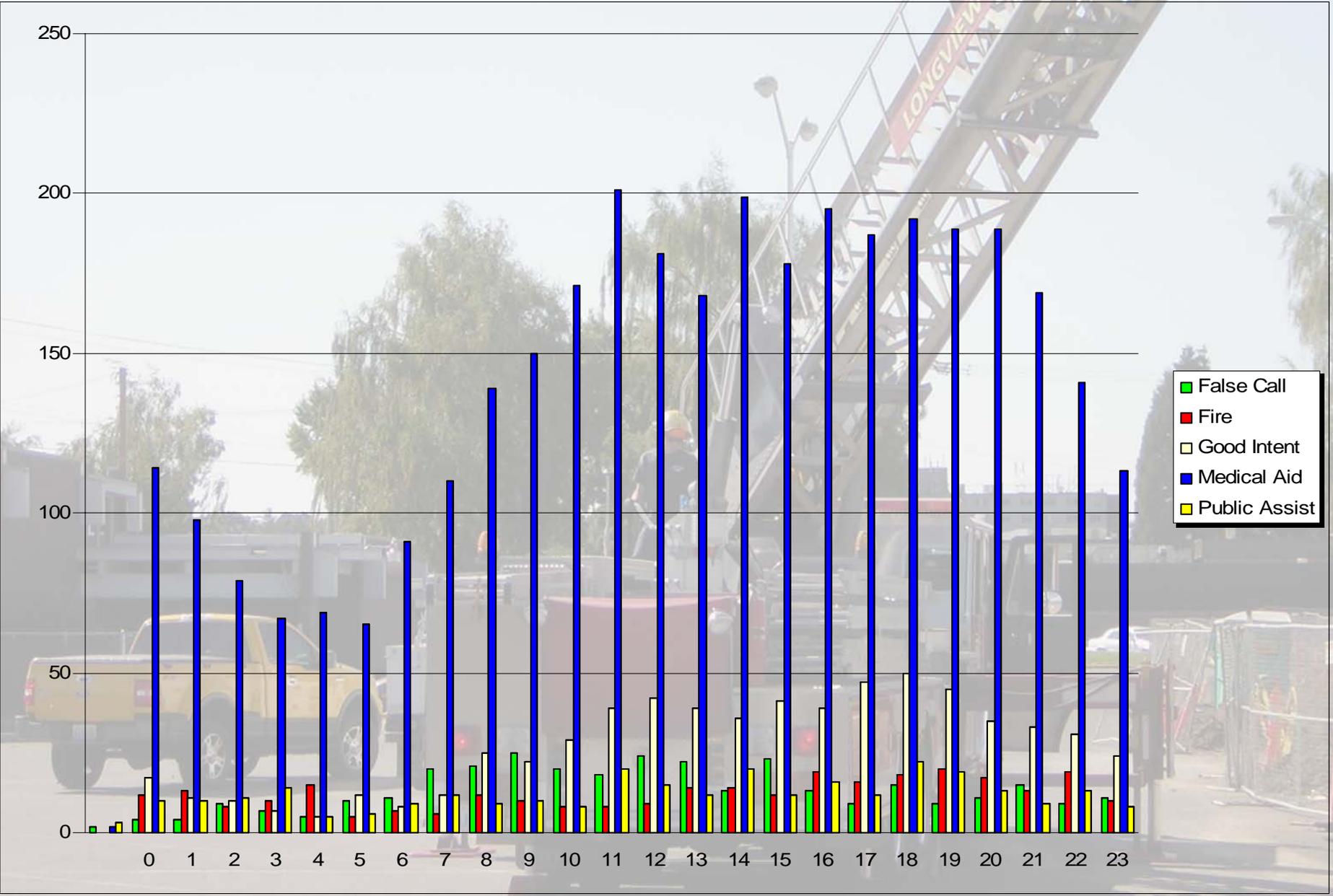
- < 5 Min. 47% of the Time
- < 6 Min. 68% of the Time
- < 7 Min. 81% of the Time



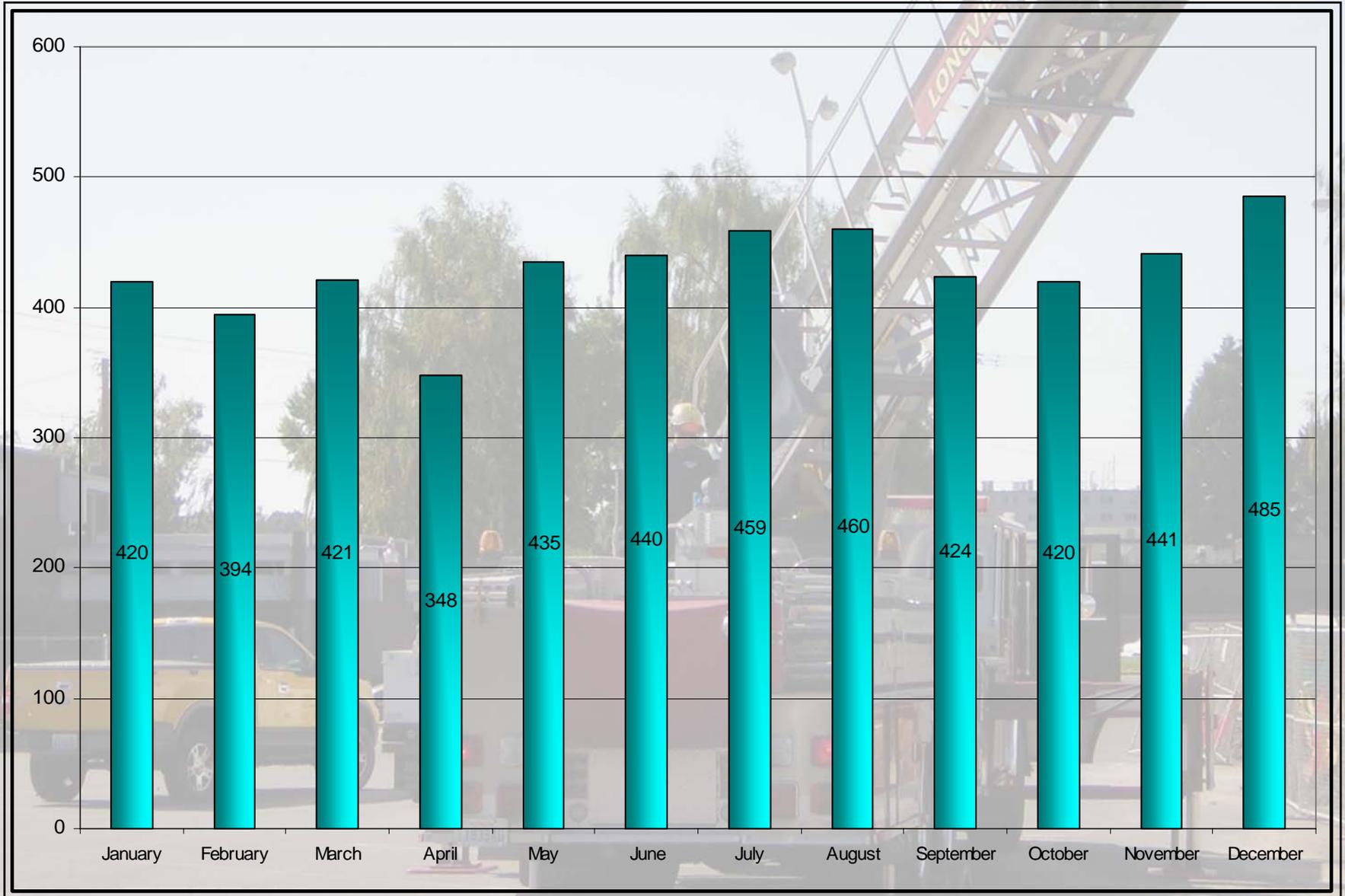
# All Responses by Hour of Day



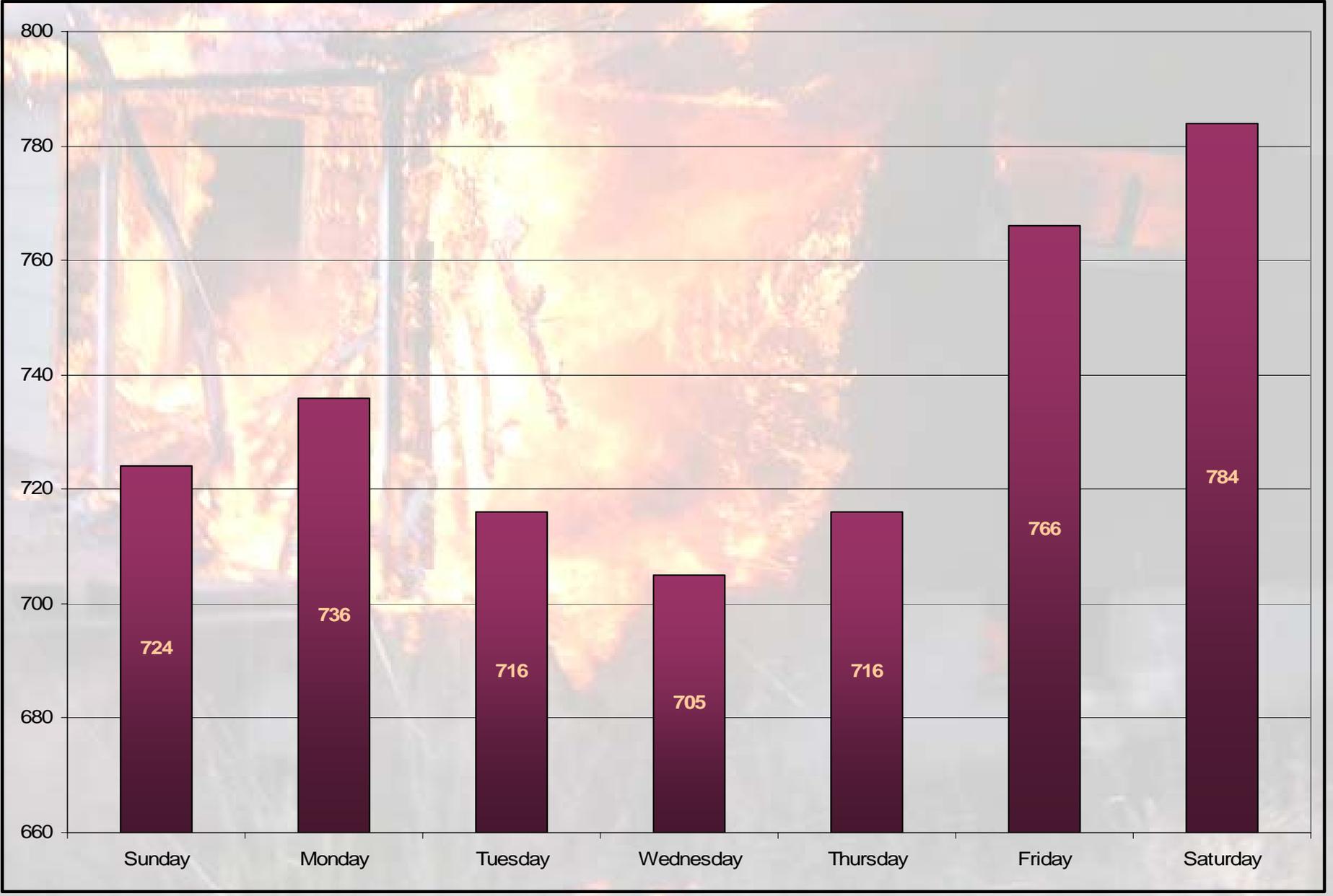
# Response Type by Hour of Day



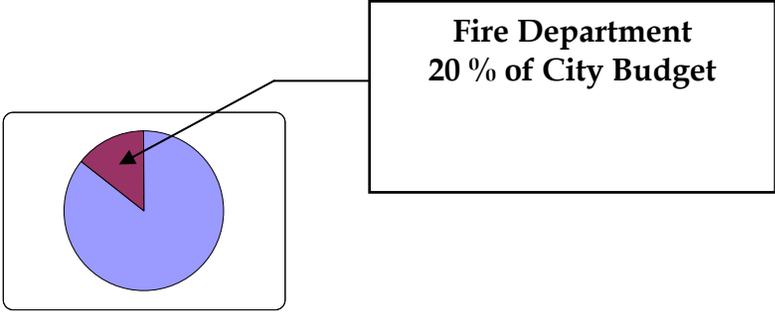
# All Responses by Month



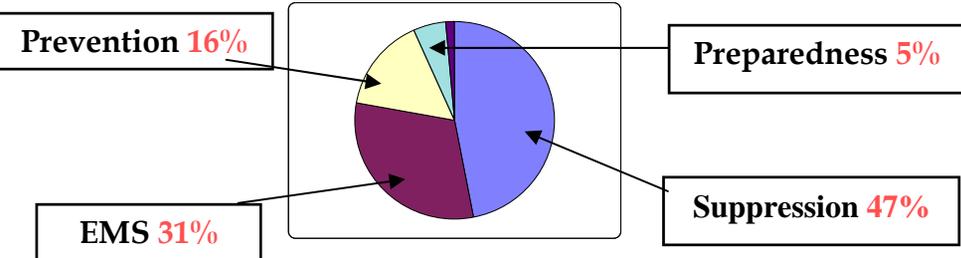
# All Responses by Day of Week



# BUDGET OVERVIEW



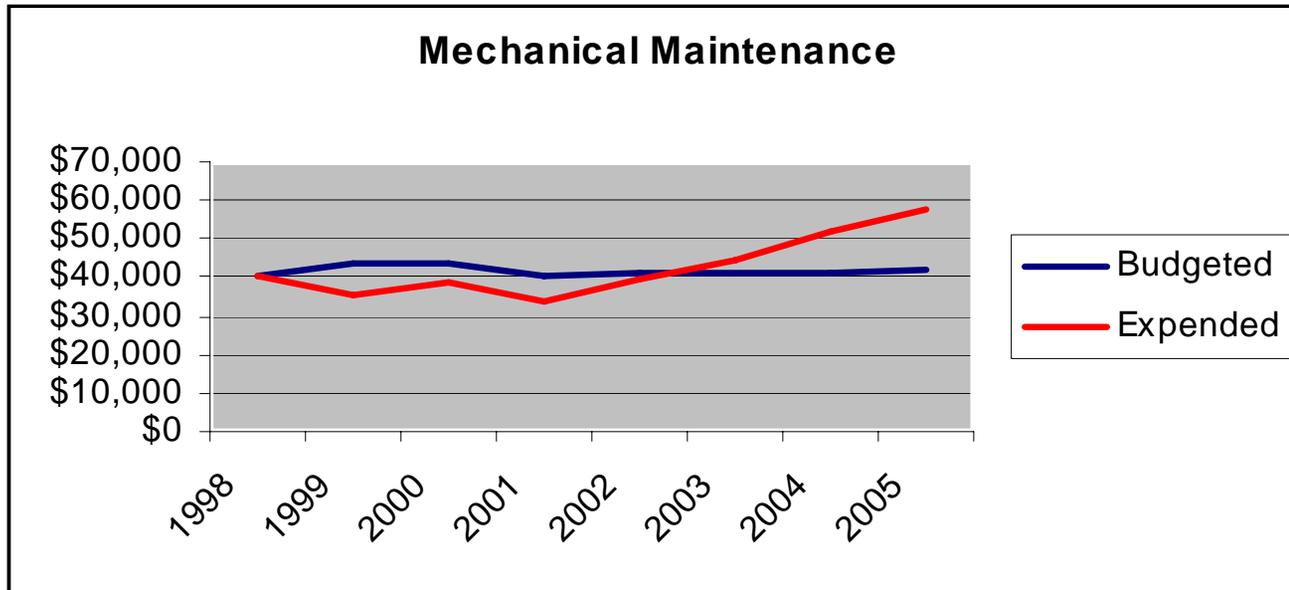
2005 Projected Expenditures (City)	\$ 25,074,000
2005 Expenditures (Fire)	\$ 5,140,000
2005 Fire Amended Budget	\$ 4,972,360
Fire Protection per Capita	\$ 147
Fire Protection per \$1,000 AV	\$ 2.73
Expenditure %	103.38
Firefighters per 1,000 Population	1.11



47 % Fire Suppression	\$ 2,415,800
31 % EMS	\$ 1,593,400
16% Fire Prevention	\$ 822,400
5 % Emergency Preparedness	\$ 257,000
1% Unallocated to Programs	\$ 51,400
<b>Total</b>	<b>\$ 5,140,000</b>

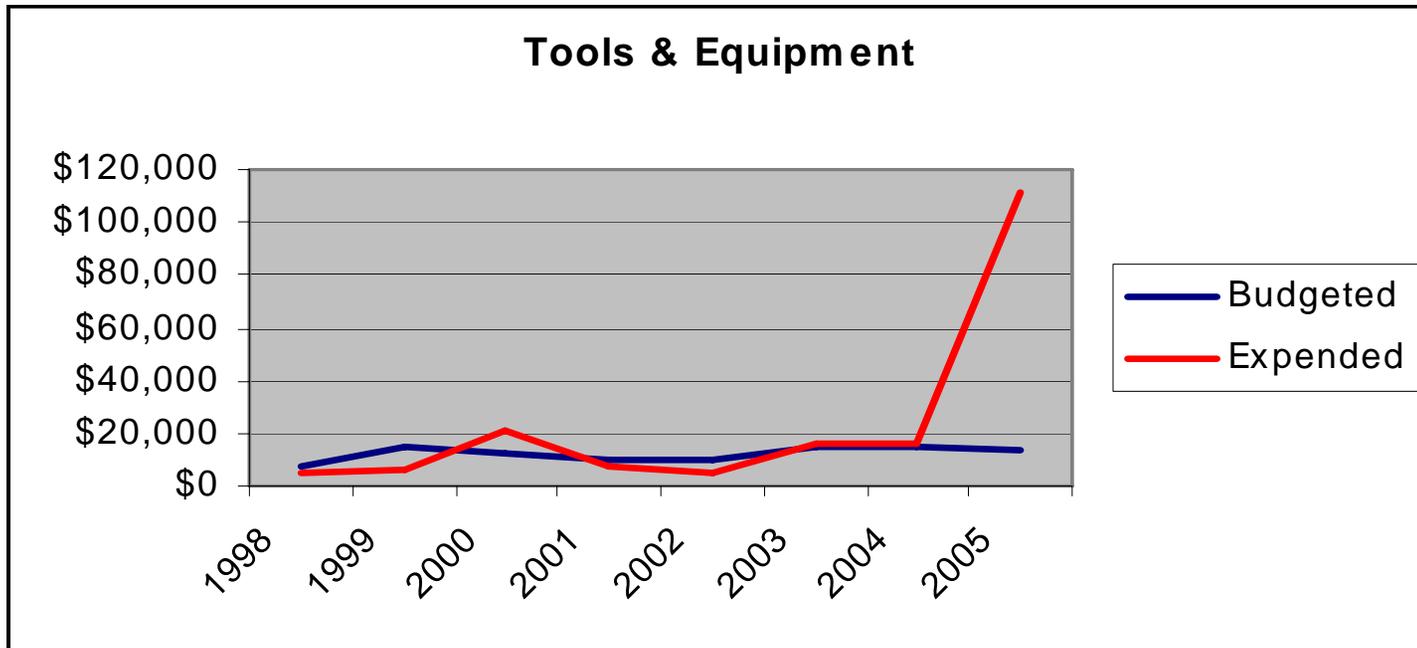
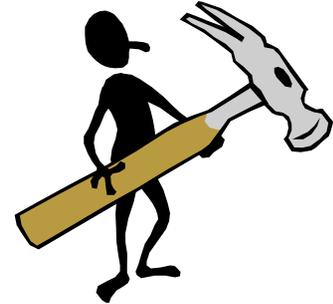


# Budget Challenges



- Fuel costs impact the Fire budget as they do other departments. 2005 budget was increased 35% over the 2004 amount, but costs have exceeded even this projection by 67%.
- Three frontline response units are 8 years into their service life. The nationwide trend indicates maintenance costs begin to escalate in the 8-10 year period. Maintenance costs of fire department apparatus are reflecting that trend.

# Budget Challenges



•As apparatus ages, so does the equipment. 2005 was our first year to implement a replacement schedule. However, the plan is not funded and is currently being implemented utilizing the vehicle replacement fund reserves. Approximately \$93,000 was expended from this fund in addition to the \$19,500 spent from the Tools & Equipment account line.

# Capital Improvement Projects

**In 2005 there were three major Capital Improvement Projects.**

- **The apron in front of Station 82 was replaced. Thanks to the street department who removed the old apron and poured new concrete in its place.**

- **Through a partnership with the Department of Homeland Security the mobile radios were replaced with updated technology that will enable the fire department to be prepared for the new interoperability radio system scheduled to be completed in the summer of 2006. In addition, the department replaced its portable and base radios.**

- **Diesel exhaust inside of Station 81 has been an ongoing problem. A plan was implemented to deal with the problem and a multi-phase plan was adopted. Each step of the plan is followed up with an evaluation period to determine the steps effectiveness. In 2005 the first step was implemented by installing WARD Diesel Exhaust Systems on all of the apparatus.**



**Replacement of the Station 82 Apron was a major accomplishment this year.**



## ***Major Initiatives in Progress into 2006:***

- **Finalizing specifications for purchase of new pumper vehicle that will improve the critical depth needed in fleet resources.**
- **2006 will see the Fire Department take a giant step forward in technology by equipping emergency response vehicles with mobile data computers that will enhance incident management and safety and accountability of emergency responders.**
- **Implementation of a Firefighter Fitness program due to commitment of City and Council.**
- **Formalize continuing training plan to assure NIMS compliance for the City.**
- **Begin and complete 2006 CIP project to build out old racquetball space for needed offices, conference area, and file storage space.**
- **Identify new areas that our Public Education division can make a positive difference in outcome.**

