

# ***Evanston Fire & Life-Safety Services***



***November 7, 2009***





## Evanston Fire & Life-Safety Services

### Our Mission Statement



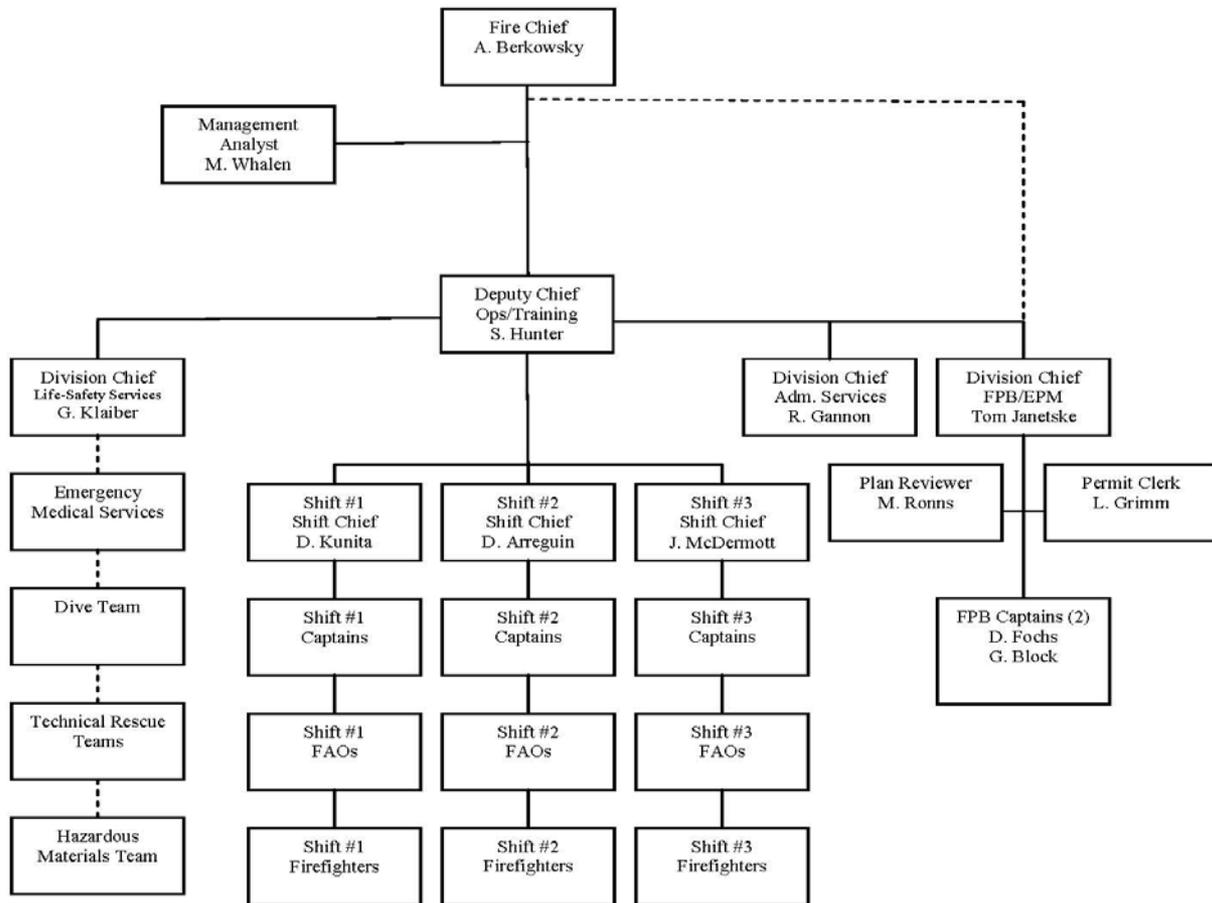
We exist, 24 hours of every day, to protect life, property, and the environment. We will provide superior quality fire suppression, emergency medical services, fire prevention, public education, technical rescue, non-emergency and support services; to prevent or minimize situations that effect the people we serve.

#### Organizational Values

- Individual worth** We believe our members are the most important resource.
- Teamwork** Together we strive, together we accomplish.
- Professionalism** Maintaining high standards of ethical conduct and technical competence.
- Quality** Committing to excellence in everything we do.
- Respect** We treat each other and the public with dignity. We make each encounter a reflection of how we wish to be treated.
- Preparation** We will seek continuous improvement and evaluation of our knowledge and skills, sharing them with each other.



## Fire Department Organizational Chart





## Background and Key Statistics for Department

Year	Total Calls	Sworn FF's	Vehicle Responses	%EMS/Fire
2008 (Now)	9,134	108	20,658	59/41
1981 (Then)	5,997	117	n/a	61/39
	50% ↑	8% ↓		





- Background and Key Statistics for Department

- Average Response time to emergencies: 3:52

- 98% of the property involved in fire were saved

- Fire Deaths

- Zero fire deaths for 6 years straight

- Aggressive firefighting, station configuration, code enforcement, public education





# Station Coverage





- Daily Staffing

- **Station #1**

- Engine 21 – 3 firefighter/paramedics
    - Ambulance 21- 2 firefighter/paramedics
    - Shift Chief – 1 firefighter/paramedic

- **Station #2**

- Engine 22 - 3 firefighter/paramedics
    - Truck 22 - 3 firefighter/paramedics
    - Ambulance 22 - 2 firefighter/paramedics

- **Station #3**

- Engine 23 - 3 firefighter/paramedics
    - Truck 23 - 3 firefighter/paramedics
    - Ambulance 23 - 0 (Shared with Engine 23)

- **Station #4**

- Engine 24 – 3 firefighter/paramedics

- **Station #5**

- Engine 25 - 3 firefighter/paramedics

Total 26 firefighter/paramedics/shift

26 firefighters per shift  
3 shifts  
24/48 hour scheduling

NFPA 1710  
Standard for Fire  
Department Staffing  
Recommends: 4  
firefighters per vehicle



## Staffing Levels Compared to Other Similar Departments

### Evanston Fire

108 Sworn members

3 Civilians

9,134 Calls

5 Stations

### Skokie Fire

116 Sworn members

6 Civilians

7,888 Calls

3 Stations

### Schaumburg Fire

127 Sworn members

8 Civilians

8,350 Calls

5 Stations



# Financial Summary

FY 09-10 Department Specific Revenues	\$ 1,123,000
FY 09-10 Budgeted Expenses:	\$11,877,100
Variance:	(\$10,754,100)

## Department Specific Revenues

Revenue Type	Amount
False Alarm Fines	\$155,000
Cost Recovery Fines	\$ 10,000
Ambulance Transportation Fees	\$925,000
Annual FEMA Grant	\$24,000
State Training Reimbursement	\$9,000

**% of Budget that is allocated for mandated services: 99%**

**Balance of expenses funded from General Fund Revenues: \$10,754,100**



## How We Prevent Fires

- ✓ Public education: so that citizens are aware of hazards, how to prevent them and what to do if they occur
- ✓ Code Enforcement: To set a level of expected safety in all structures
- ✓ Fire Suppression: When education, enforcement are not effective or an accident occurs and suppression/rescue intervention is needed
- ✓ Fire Investigation: To document the cause and take steps to prevent the incident from reoccurring





## General Alarm/Code 4

Report of smoke or fire in a structure



### General Alarm (15)

3 Fire Engines  
1 Aerial Truck  
1 Ambulance  
Shift Chief

### Code 4 (21)

4 Fire Engines  
2 Aerial Trucks  
1 Ambulance  
Shift Chief

### Initial Tasks

Search /Rescue/Evac	3
Fire Suppression (FIT)	6
Water Supply	3
Ventilation/Aerial Op	3
Forcible Entry	2
RIT – 2in/2out	2 - 5
Pump/engineer	1
I/C	1
<b>Total</b>	<b>21</b>





# MABAS – Mutual-Aid Box Alarm System

<b>DEPARTMENT NAME</b> EVANSTON	<b>BOX ALARM TYPE</b> STRUCTURE FIRE	<b>EFFECTIVE DATE</b> 07/01/2009	<b>MABAS DIVISION</b> 3
<b>BOX ALARM #</b> 21-F-625	<b>LOCATION OR AREA</b> ENTIRE CITY	<b>AUTHORIZED SIGNATURE</b> <i>Alan J. Berkowsky</i>	

ALARM	ENGINES	TRUCKS	SQUADS	TENDERS	AMBULANCE	CHIEFS	SP. EQUIP.	CHG/QTRS (STA #)
<u>STILL</u>	3 EVANSTON	1 EVANSTON			1 EVANSTON	BATTALION 21		
<u>CODE 4</u>	1 EVANSTON	1 EVANSTON				PAGE EVANSTON CHIEF OFFICERS	PAGE EVANSTON FIRE INVESTIGATOR	REMAINING EVANSTON COMPANIES TO STATION 21

ALARM	ENGINES	TRUCKS	SQUADS	TENDERS	AMBULANCE	CHIEFS	SP. EQUIP.	CHG/QTRS (STA #21)
<u>BOX</u>	EVANSTON	SKOKIE TOWER 16			EVANSTON  Evanston Call back for A23	EVANSTON		EVANSTON CHIEF WILMETTE ENG WINNETKA ENG. NORTHFIELD TRK.
<u>2 ND</u>	WILMETTE WINNETKA	NORTHFIELD	MORTON GROVE			WILMETTE		GLENVIEW ENG. NILES ENG. PARKRIDGE TRK.
<u>3 RD</u>	GLENVIEW NILES	PARKRIDGE				SKOKIE	Only on request **M.E.S.S.**	SKOKIE ENG. GLENCOE ENG. DESPLAINES TRK.
<u>4 TH</u>	SKOKIE GLENCOE	DESPLAINES					Only on request **COMVAN 3**	LINCOLNWOOD ENG. NORTHMAINE ENG. PROSPECT HEIGHTS TRK.
<u>5 TH</u>	LINCOLNWOOD NORTHMAINE	PROSPECT HEIGHTS						HIGHLANDPARK ENG. DEERFIELD ENG. NORTHBROOK ENG.
<b>INTER—DIV REQUEST</b>	<b>1 ST CHOICE</b> DIVISION 9 (CHICAGO)			<b>2 ND CHOICE</b> DIVISION 1		<b>3 RD CHOICE</b> DIVISION 4		

**SPECIAL INSTRUCTIONS:**

STATION #21- 1332 EMERSON (EMERSON & ASBURY).  
 KNOX BOX LOCATED AT EMERSON STREET FRONT ENTRANCE.  
 MAP AND RADIO EQUIPMENT LOCATED IN MUTUAL-AID BOX KIT ON EAST WALL OF APPARATUS FLOOR.

**9' 7" CLEARANCE IN WEST APPARATUS BAY DUE TO PLYMOVENT RAILS**



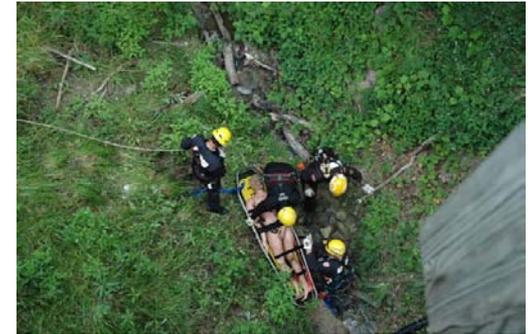
## Response Types

# Special Responses

Multi-Company Responses

## Example of Special Responses

- Train Rescues
- Divers
- Hazardous Material Spills
- Extrication
- Gas Leaks





- Emergency Medical Services

- Started in 1976. One of the first on the North Shore.
- 5,407 Calls for service in 2008
- Approximately 88% of all members are paramedics

- Current Billing Rate for Ambulance Services

- Resident BLS \$ 350.00 ALS \$ 400.00 ALS2 \$600.00
- Non-Res BLS \$ 450.00 ALS \$ 500.00 ALS2 \$700.00
- Last time modified: February 2007

- Cost to train a paramedic

- EMT-B School, overtime, coverage \$ 5,000.00
- Paramedic School, overtime, coverage \$ 16,000.00





## Response Types

# EMS Response

## Ambulance Response

- > On every ambulance call, both an engine and ambulance are dispatched
- > The engine is typically first to arrive due to our station configuration
- > All engine and aerial truck companies are ALS equipped
- > The engine or truck company is a critical component to every ambulance. They assist the ambulance crew with patient movement, patient care and equipment. For the more serious calls, engine crew members will accompany the ambulance crew to the hospital.





## Fire Prevention Bureau

Objective: To reduce the threat of fires, deaths and injuries through effective plan review, code enforcement, public education and fire investigation.

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### Responsibilities:

- Code enforcement
- Plan Review
- Public Education
- Fire Investigations
- Emergency Preparedness for City
- CERT/SERT
- Special Projects
- Response to citizen inquiries

### Effectiveness

- Sprinkler Legislation for existing buildings
- Code Amendments
- Recognition of fire patterns & safety issues
  - Halogen lamps
  - Carbon monoxide alarms

### Staffing Levels:

- Division Chief/Fire Marshal/EPM
- 2 Fire Inspectors/Investigators
- 1 Permit Clerk
- 1 Plan Reviewer





“ The fire service is America’s standing army when disaster strikes. No other service or department can muster personnel and equipment as fast as the fire service, nor can others perform the variety of jobs the fire services is called upon to perform, usually under the most severe of conditions.”

*Chief H. Campbell/1995 Oklahoma Disaster*

