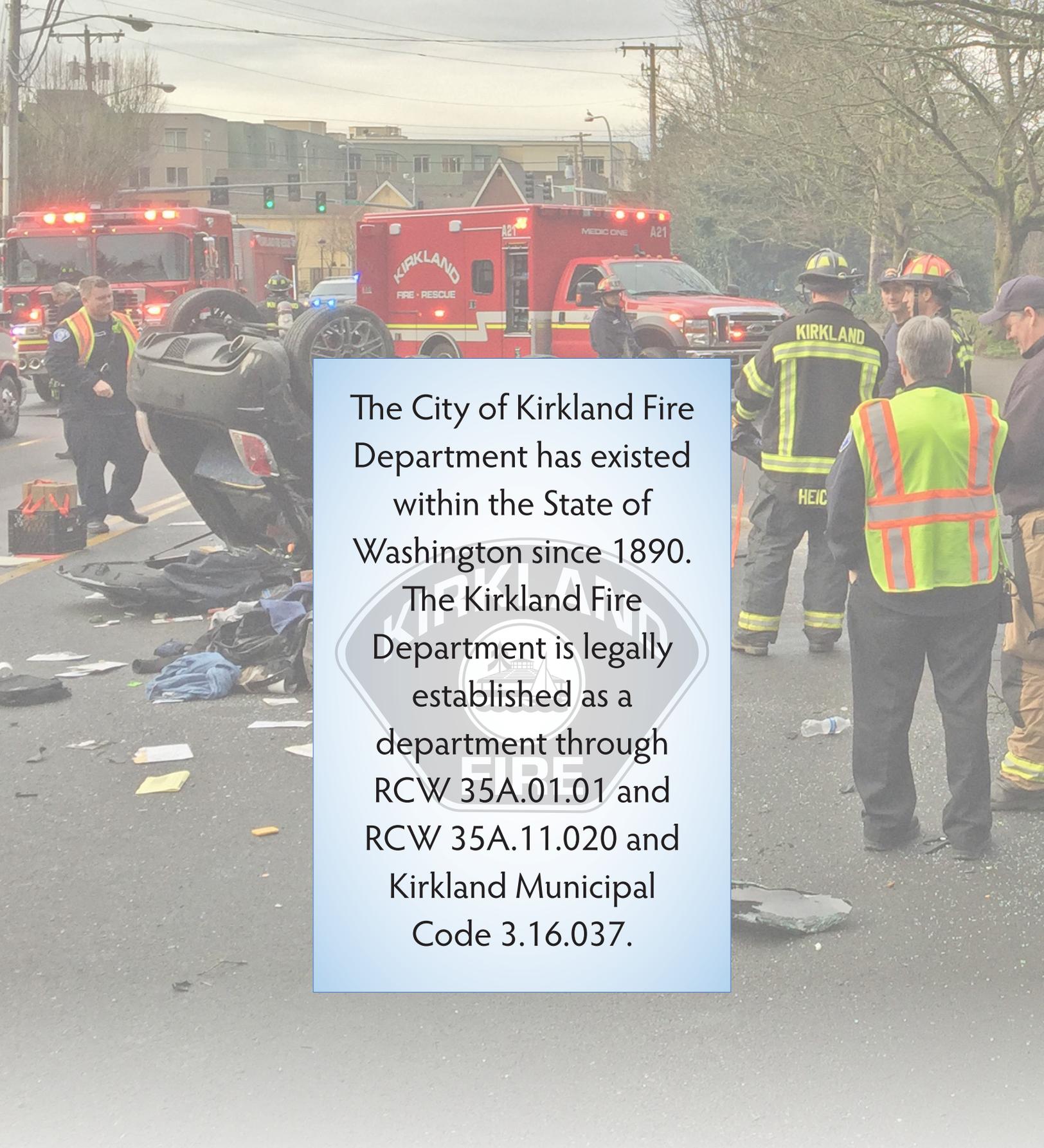




# KIRKLAND FIRE DEPARTMENT 2016 ANNUAL REPORT





The City of Kirkland Fire Department has existed within the State of Washington since 1890. The Kirkland Fire Department is legally established as a department through RCW 35A.01.01 and RCW 35A.11.020 and Kirkland Municipal Code 3.16.037.



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# MESSAGE FROM THE CHIEF

As this annual report looks back at 2016, two common themes emerge. The first theme is innovation. In 2016, the Kirkland Fire Department initiated several creative and cost effective programs to advance our mission, vision and values. Most notably, we enhanced our water rescue capabilities by deploying specialized equipment and completing specialized training in order to more effectively protect citizens who enjoy the shores and waters of Lake Washington. In addition, KFD became a partner in a regional contract with a private ambulance provider. This agreement will reinforce our robust patient transport program while also ensuring that our firefighters are available when you need them. Planning and training also began in 2016 for the placement of Naloxone on our response vehicles. More commonly known as Narcan, this drug will be used by our firefighter/EMTs in 2017 and beyond to treat patients suffering from opioid overdose.



The second theme is commitment. 2016 saw Kirkland's City Council and City Manager's Office approve funding for a new Fire Station 24 in north Juanita. Plans to staff this station are already underway, with an additional firefighter placed on-duty each day in 2016; when Station 24 opens, this firefighter will become part of its crew. Also, staff continued to analyze options for relocating Station 27 from its current location in north Juanita to an area east of I-405. In addition to development work on Station 24, planning began in earnest in 2016 for the remodel of Station 25 in Finn Hill. When complete, these and other system enhancements will ensure that Kirkland Fire Department maintains a deployment model that effectively serves all portions of our growing community.

As you'll see in the 2016 Annual Report, innovation and commitment are just two of the many ways in which the dedicated professionals of the Kirkland Fire Department are devoted to your safety and well-being. Whether assigned to work in administrative support, Emergency Medical Services, Training or the Fire Prevention Office; on a fire truck or within the Office of Emergency Management, the men and women of the Kirkland Fire Department are here, always, to serve you.

- Joseph Sanford, Fire Chief, Kirkland Fire Department

## VISION, MISSION, VALUES

**KFD VISION** The Kirkland Fire Department is creating a safer community as a respected partner in our region and an innovative leader in the nation.

### MISSION STATEMENT

OUR CITY \* OUR PEOPLE \* OUR DUTY  
OUR COMMITMENT TO SERVE



### VALUES

- **Supportive** – Working together as a team toward a common goal.
- **Professional** – Upholding industry standards and honoring the expectations of a professional firefighter both on and off the job.
- **Integrity** – Maintaining consistency between actions and words at all times.
- **Respect** – Treating others with understanding and compassion. Acknowledging there is strength in diversity.
- **Innovative** – Providing a supportive work environment that encourages and empowers improvement through creativity.
- **Trust** – Being fair, truthful, competent and honorable; Confident that the actions of others are fair, truthful, competent and honorable.



# DEPARTMENT INFORMATION

## OVERVIEW

### History:

The City of Kirkland Fire Department has existed within the State of Washington since 1890.

The first paid fire chief was hired in 1928 and the first paid firefighters for the City were hired in 1970. Our fire chief is currently Chief Joe Sanford. As director of the fire department, Chief Sanford oversees the offices of the Deputy Chief of Administration, the Deputy Chief of Operations, the City Emergency Manager and the Department Fiscal Manager.

The City of Kirkland Fire Department provided fire service to King County Fire Protection District #41 by a contract agreement (Kirkland Municipal Code 3.24.010) from November 1969 to June 2011. In 2011 the City of Kirkland annexed all of Fire District 41 and a small portion of Fire Districts 34 and 36.

### Services Provided:

The services provided to the community by the Fire Department include:

- Fire and emergency medical response (all response personnel are certified EMTs)
- Rescue operations including vehicle extrication and technical rescues including confined space, trench, structural collapse, and rope rescue
- Special operations including urban-wildland interface firefighting and surface water rescue
- Automatic response to surrounding jurisdictions
- Fire Prevention and permits
- Fire Investigation
- City Emergency Management

The Regional services provided to the community in partnership with neighboring Fire Departments include:

- Emergency dispatch and 911 services provided by North East King County Regional Public Safety Communication Agency (NORCOM) [www.norcom.org](http://www.norcom.org)
- Hazardous Materials Response provided to the community by the Eastside HazMat Team. The Kirkland Fire Department is a member of this team and has 8 response personnel trained to the technical response level
- Advanced life response + Medic response provided to Kirkland residents through a contract with the City of Redmond Fire Department. The medic program is part of the King County Medic One Program
- Training Division, part of the East Metro Training Group (EMTG). The EMTG is composed of the Bellevue, Kirkland, Northshore, Mercer Island and Redmond Fire Departments. Kirkland is one of the founding member agencies which make up this 500 plus member training group.



# 2016 MAJOR INCIDENTS

## ■ February 19, 2016

8600 block of NE 124 Street, Kirkland  
Residential Fire



## ■ May 2, 2016

Residential Fire



## ■ March 23, 2016

1500 block of 3rd Street, Kirkland  
Boom Lift into Power Lines



## ■ May 15, 2016

MVA



## ■ July 11, 2016

140th AVE NE, Redmond  
Residential Fire



■ July 22, 2016

Downtown Bothell Fire  
102nd AVE NE/Main ST, Bothell



■ August 18, 2016

11005 NE 68th ST Kirkland  
MVA Rescue



■ July 22, 2016

Downtown Bellevue Fire



■ November 20, 2016

MVA



■ August 13, 2016

Brush Fire



■ November 25, 2016

Residential Fire



# DEPARTMENT INFORMATION

## OVERVIEW

### Staffing Profile (2016)

#### Work Schedule

Emergency response staffing is done on a three shift platoon rotation. The schedule is a 48/96 rotation. Employees work 48 hours then are off 96 hours, working a total of a 48 hour work week.

#### Personnel

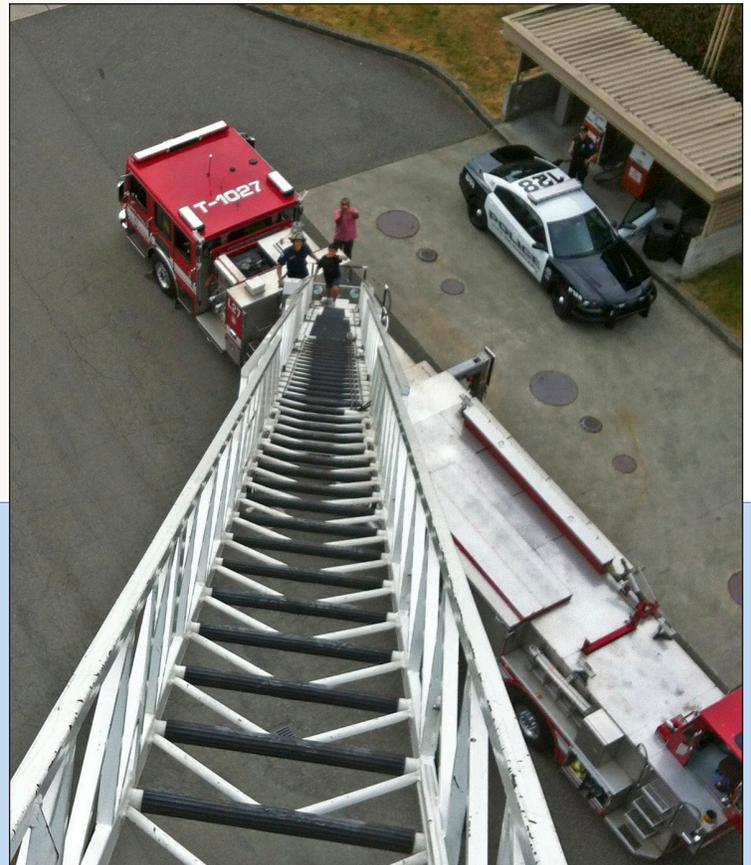
- Emergency response personnel – 90 Line personnel (not including Training, Admin or Prevention)
- Every day minimum on-duty strength – 20
- Prevention personnel – 5
- Training Officers – 2
- Emergency Medical Officer – 1
- Non-Uniformed (Civilian) personnel – 5
- City Emergency Management – 2
- Command staff – 3

#### Minimum Staffing for Emergency Response

- Engine company = 3 crew members
- Aid car = 2 EMT crew members
- Ladder company = 3 crew members
- Battalion Chief = 1

### Fire Station Staffing

- Forbes Creek Station 21 = 3 crew members; 1 aid car, 1 engine
- Houghton Station 22 = 3 crew members; 1 aid car, 1 engine
- Finn Hill Station 25 = 4 crew members; 1 aid car, 1 engine, 1 temporary firefighter
- Rose Hill Station 26 = 3 crew members; 1 Battalion Chief, 1 Battalion Aide Captain; 1 aid car, 1 engine, 1 Battalion Chief car
- Totem Lake Station 27 = 6 crew members; 2 aid cars, 1 engine, 1 ladder



# CITY OVERVIEW

## KIRKLAND

Founded	1888
Incorporated	1905
Consolidated with Town of Houghton	1968
Annexation of Finn Hill, North Juanita & Kingsgate	June 1, 2011
Population	
Pre-Annexation 2011	48,787
2016 Population	84,430
Land Area	
Pre-Annexation	11 square miles
Post-Annexation	17.81 square miles
Fire Department Grading Class	4
Total City Budget (2015-2016 Final Budget)	\$593,572,866
City Operating Budget (2015-2016 Final Budget)	\$331,829,113
Full-Time City Employees	
Pre-Annexation	461.43 FTE
2016 FTEs	604.90 FTE



# City of Kirkland

## Fire Department Organizational Chart

DECEMBER 2016

**Fire Chief, Director**  
Joseph Sanford

**Deputy Fire Chief - Administration**  
Michael Remington

**Administrative Services Supervisor**  
Audrey Martin

**Administrative Assistant**  
Victoria Davies

**Fire Marshal – BC**  
Mark Jung

**EMS Officer Captain**  
Seth Buchanan

**Office Specialist (Prev)**  
Teri Wallace

**Asst. Fire Marshal**  
Grace Steuart

**Office Specialist (EMS/Trng)**  
Anna Grimes

**Fire Inspector**  
Lt. Jason Chappell

### **Fire Investigation Team**

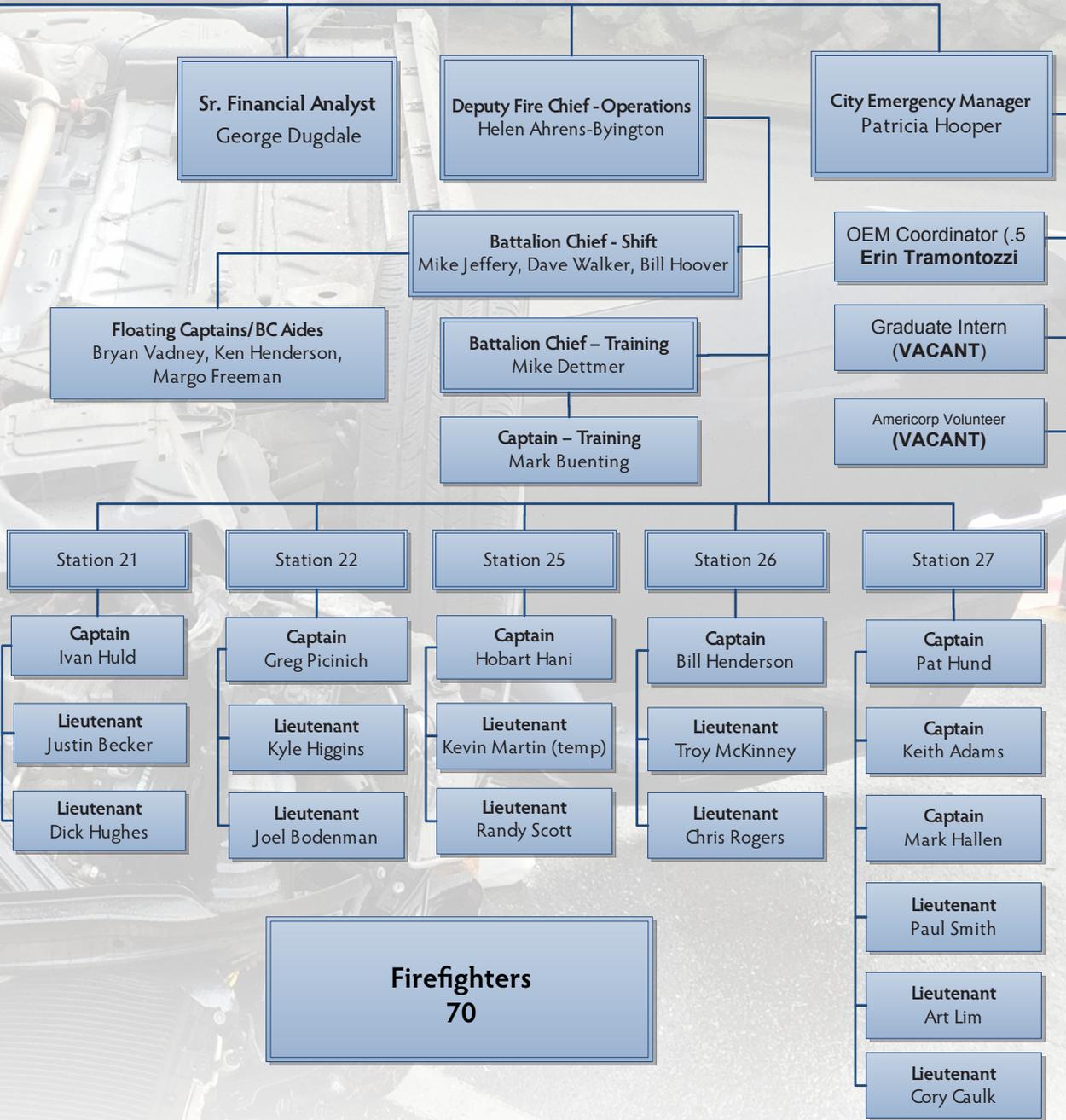
Lt. Jason Chappell  
Lt. Kyle Higgins  
Lt. Cory Caulk  
Brian Ferguson  
Tim Sears  
Lt. Paul Smith

**Fire Inspector**  
Brian Ferguson

**Fire Inspector**  
Ed Ulrich



# DEPARTMENT INFORMATION



# DEPARTMENT INFORMATION

## STATION INFORMATION

### Fire Department Headquarters

Kirkland City Hall · 123 5th Avenue · Kirkland, WA 98033

(Mailing address) · 425-587-3650 (Department Main-line)

[http://www.kirklandwa.gov/depart/Fire\\_and\\_Building.htm](http://www.kirklandwa.gov/depart/Fire_and_Building.htm)

**STATION 21 – Forbes Creek**..... 9816 Forbes Creek Drive

Date Built: 1997 (8,541 sq. ft.)

#### APPARATUS:

- Aid 21 2010 Ford Road Rescue Aid Vehicle 4x4 (front line)
- Engine 21 2005 Spartan / H&W Pumper (front line)
- Engine 29 1999 Spartan Pumper (reserve)

**STATION 22 – Houghton** .....6602 108th Ave. NE

Date Built: 1980 (9,071 sq. ft.)

#### APPARATUS:

- Aid 22 2014 Ford F450 Road Rescue (front line)
- Engine 22 2015 Spartan / EVR Pumper (front line)
- Air Unit 21 2006 Spartan / H&W Special Ops Unit (front line)
- Engine 28 2003 Spartan / H&W Pumper (reserve)
- 1926 American LaFrance Pumper (antique)

**STATION 25 – Juanita** ..... 12033 76th PL NE

Date Built: 1973 (6,488 sq. ft.)

#### APPARATUS:

- Aid 25 2016 Ford Road Rescue Aid Vehicle 4x4 (front line)
- Engine 25 2003 Spartan / H&W Pumper (front line)

**STATION 26 – North Rose Hill**.....9930 124th Ave NE

Date Built: 1994 (9,795 sq. ft.)

#### APPARATUS

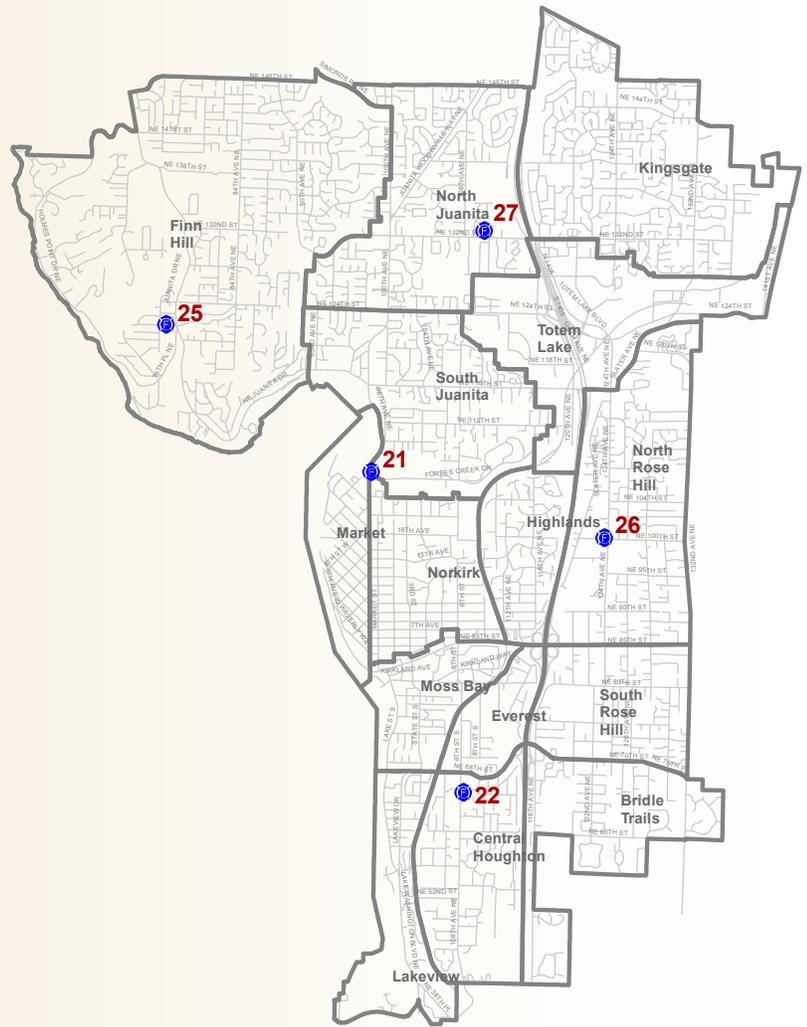
- Aid 26 2014 Ford Road Rescue Aid Vehicle (front line)
- Engine 26 2013 Spartan Pumper (front line)
- Battalion 21 2008 Chevrolet Suburban (front line)
- Battalion 21 2006 Chevrolet Suburban (front line)
- Aid 28 2008 Ford Road Rescue 4x4 (reserve)
- 2000 Ford Road Rescue Aid Vehicle (reserve)

**STATION 27 – Totem Lake** ..... 11210 Ne 132nd St.

Date Built: 1974 (8,159 sq. ft.)

#### APPARATUS:

- Aid 27 2016 Ford Road Rescue Aid Vehicle 4x4 (front line);
- Aid 29 2012 Ford Road Rescue Aid Vehicle (front line)
- Engine 27 2010 Spartan / H&W Pumper (front line)
- Ladder 27 2016 Spartan / Crimson Aerial TDA (front line)



# DEPARTMENT INFORMATION

## 2016 FIRE DEPARTMENT BUDGET

### Expenditures:

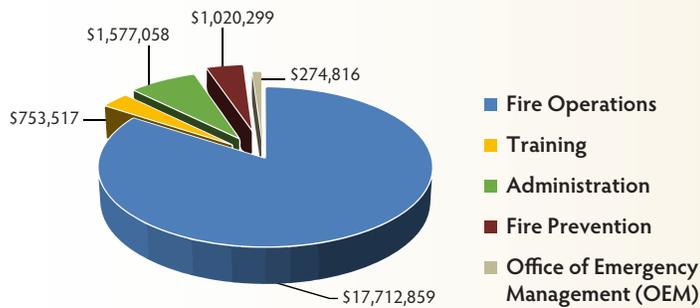
Department	Total	Personnel*	Internal Charges**	Other***
Fire Operations	\$17,712,859	\$14,474,599	\$2,336,029	\$902,231
Training	\$753,517	\$572,025	\$45,913	\$135,579
Administration	\$1,577,058	\$1,138,190	\$145,227	\$293,641
Fire Prevention	\$1,020,299	\$851,104	\$79,734	\$89,461
Office of Emergency Management (OEM)	\$274,816	\$216,853	\$27,367	\$30,596
<b>TOTAL</b>	<b>\$21,338,549</b>	<b>\$17,252,771</b>	<b>\$2,634,270</b>	<b>\$1,451,508</b>

\*Personnel includes: benefits, overtime, and hourly wages, uniforms, and protective equipment

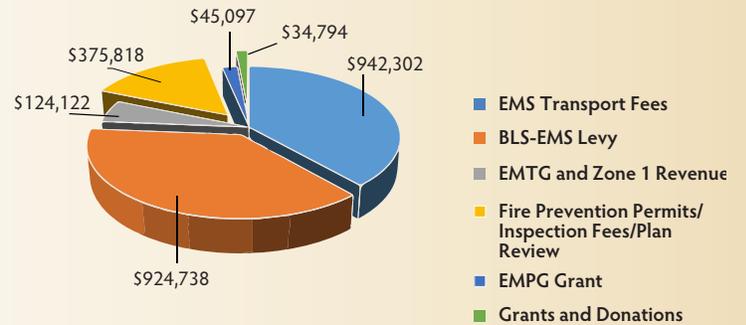
\*\*Internal Charges includes: Fleet, Information Technology, liability insurance and Facility charges

\*\*\*Other includes: safety gear, medical supplies, tools and supplies for fire stations and apparatus, office supplies, professional services/contracts, and all supplies in training, prevention, and administration

### 2016 Budgeted Expenditures



### 2016 Actual Revenues



### 2016 Fire Department Revenues:

	Budget	Actuals
EMS Transport Fees	\$882,567	\$942,302
BLS-EMS Levy	\$920,385	\$924,738
EMTG and Zone 1 Revenue	\$124,000	\$124,122
Fire Prevention Permits/Inspection Fees/Plan Review	\$289,770	\$375,818
EMPG Grant	\$45,097	\$45,097
Grants & Donations	\$2,300	\$34,794
<b>TOTAL</b>	<b>\$2,264,119</b>	<b>\$2,446,871</b>



# DEPARTMENT INFORMATION

## 2016 FIRE DEPARTMENT BUDGET

### 2016 Active Capital Improvement Projects

- Disaster Supply Storage Units
- Disaster Care Response Vehicle
- Defibrillator Unit Replacement
- Disaster Response Portable Generators
- Dive Rescue Equipment
- Personal Protective Equipment Replacement
- Self-Contained Breathing Apparatus (SCBA) Replacement
- Hose Replacement

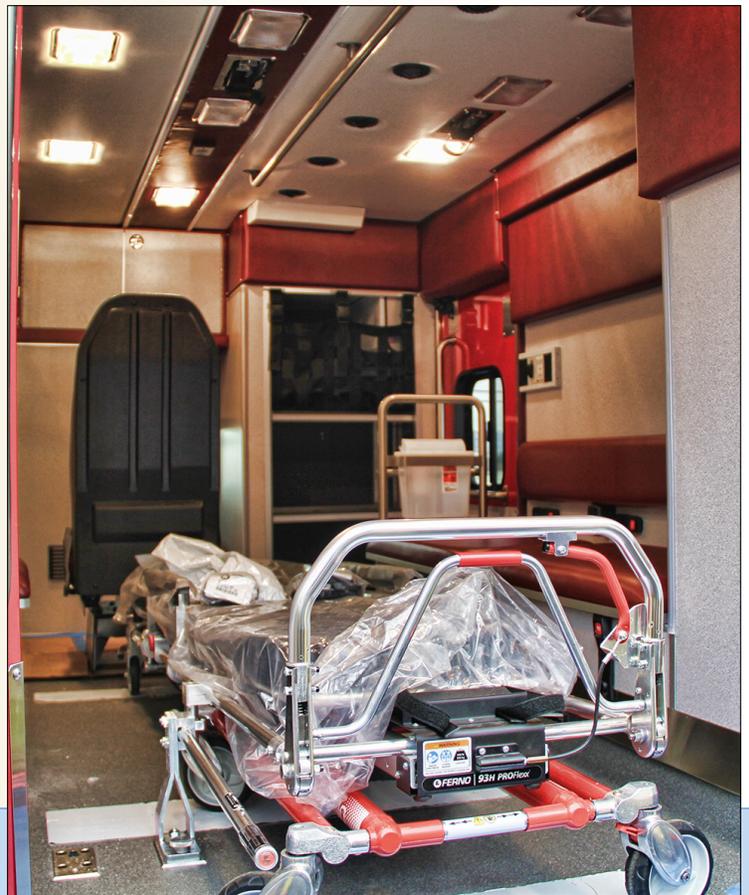
### Basic Life Support (BLS) Transport User Fee Program

On March 1, 2011 the Kirkland Fire Department began its Basic Life Support (BLS) Transport User Fee Program. The Program was established to create a sustainable revenue source to support essential emergency medical services. Revenue from the BLS transport user fee has helped cover the cost of providing emergency medical service to the Kirkland community. Without this new revenue the Fire Department would have needed to reduce service levels. The user fees are currently used to maintain service levels; in the future, fees will be used to improve service, reduce response times, and provide greater EMS resources to the community.

### 2016 TRANSPORTS

**Transport Fees: \$942,302 Total Revenue: \$2,446,871**

<b>TRANSPORTS BILLED</b>	<b>2549</b>	
Resident	1971	75.4%
Non-Resident	534	20.4%
Employee at Work	44	1.6%
	<b>2549</b>	
<b>TRANSPORTS NOT BILLED</b>		
(out of jurisdiction)	63	2.4%
<b>Total # of Transports</b>	<b>2612</b>	



# DEPARTMENT INFORMATION

## RECOGNITION AND SERVICE

The Kirkland Fire Department recognizes our employees for their years of service to our community. The following members have reached important milestones in their careers.

<b>YEARS OF SERVICE:</b>			
Keith Adams	35	Joel Bodenman	10
Mike Dettmer	35	Kevin Colombana	10
Joe Sanford	35	Jeff Endsley	10
Tom Clark	25	Kyle Jacobson	10
Ken Henderson	25	Kent Moffitt	10
Randy Scott	20	Steve Suyama	10
Todd Anderson	15	Matt Brummitt	5
Cory Caulk	15	Brett Christiansen	5
Mark Crickmore	15	Even Hurley	5
Brian Ferguson	15	Tyrel Koistinen	5
Paul Smith	15		
<b>2016 PROMOTIONS:</b>			
<b>Battalion Chief:</b>	2/1/16 Bill Hoover	4/1/16 Mark Jung	
<b>Captain:</b>	2/1/16 Bill Henderson	4/1/16 Mark Hallen	
<b>Lieutenant:</b>	2/1/16 Cory Caulk; Paul Smith	4/1/16 Art Lim	
<b>2016 RETIREMENTS:</b>			
<b>LARRY PEABODY</b> , Battalion Chief, March 2016 after 38 years of service			
<b>MARK ANDERSON</b> , Lieutenant, January 2016 after 32 years of service			



# KIRKLAND FIRE DEPARTMENT 2016



OUR CITY \* OUR PEOPLE \* OUR DUTY  
OUR COMMITMENT TO SERVE



# EMERGENCY RESPONSE

## OPERATIONS OVERVIEW

The Operations Division is responsible for ensuring that Kirkland's Firefighter/Emergency Medical Technicians are trained, equipped, and operationally ready to safely and effectively respond to the wide variety of emergencies that occur in our community. These response personnel are available around the clock and respond from five fire stations strategically positioned throughout our community.

911 calls for emergency medical services (EMS) account for the largest percentage of our emergency responses. Calls of this type can range from minor injuries and illnesses to complex, life threatening events. Most EMS incidents are handled by one or two KFD response vehicles staffed by Firefighter/EMTs. As EMTs, our personnel can manage the treatment and transport of patients with Basic Life Support (BLS) needs. When we see patients with more severe injuries or illnesses, or those classified as requiring Advanced Life Support (ALS), we may enlist the support of paramedics from a neighboring agency, including those from Redmond, Shoreline, or Bellevue. With 2,500 hours of initial training and the support of King County Emergency Medical Services, the paramedics in King County's Medic One program are among the world's best. This BLS – ALS partnership between Kirkland Fire and our paramedic colleagues contributes to the highly successful and highly regarded EMS system here in King County.

In addition to EMS, Kirkland Fire maintains "all-hazards" response capabilities that match the risks in our community. Among these capabilities are those that encompass technical rescue, including high angle rope rescue, confined space, trench, motor vehicle, and collapse rescue; hazardous materials response; and water rescue. In fact, in 2016 we placed two water rescue craft in service to better protect users of our beautiful shoreline.

Maintaining and promoting cooperation with regional public safety and local community partners also

enhances our operational effectiveness. In addition to King County Medic One, Kirkland is highly engaged with King County EMS and is an active partner with the East Metro Training Group (EMTG), a collection of fire departments that provide unified training to area firefighters. We also work collaboratively across north and east King County to ensure that the entire region maintains robust hazardous materials and technical rescue response capabilities.

Kirkland firefighters also connect with our community in ways that don't require dialing 911. From teaching fire safety and participating in special events at neighborhood schools, to dropping in on block parties and joining celebrations such as Summerfest and July 4th, we're always here for you. If you miss us at one of these events, you can always schedule a tour of your neighborhood fire station.

## TRAINING OVERVIEW

Kirkland Fire Department is an active member of the East Metro Training Group (EMTG). EMTG is comprised of eight local fire departments: Kirkland, Bellevue, Redmond, Mercer Island, Northshore, Woodinville, Shoreline, and Bothell. Together EMTG provides training to over five hundred professional firefighters to prepare them to provide the safest, most effective service to our citizens. Safety of the citizens and firefighters is our primary mission.

The training of Kirkland firefighters never stops. Firefighters and officers constantly participate in company level, shift level, and Chief Officer training. Firefighters complete monthly and quarterly state and federally mandated training which is assigned by Training using shared websites. Much of this training is done together with other EMTG departments. In addition to this structured training, Kirkland personnel are encouraged to participate in other local and regional training opportunities. In 2016, Training staff processed 109 of these requests.



# EMERGENCY RESPONSE

## TRAINING OVERVIEW (continued)

In 2016, Kirkland participated as an EMTG member in three Multi Company Operations scenarios. These training sessions bring together resources from multiple neighboring agencies to train on complex fire scenarios in multifamily, residential, and commercial structures. The focus of these drills is mutual aid coordination, fire suppression, and rescue.

Kirkland Fire's training staff also manages Emergency Medical Technician training and certification. This is done through in-house training utilizing certified EMS instructors, online curriculum managed by King County EMS, and practical skills evaluations. In 2016, 21 firefighters attended the required instructor workshops. These instructors were selected from each of our three shifts.

Kirkland continues to be a leader in specialized technical rescue training. This training includes confined space rescue, trench rescue, rope rescue, and water rescue including rapid diver qualifications. In addition, Kirkland's Hazardous Materials Response Team members complete a minimum of 40 hours of required ongoing training per year.

Kirkland conducted its third annual fire officer academy in 2016. This academy provides leadership training to aspiring officers, and focuses both on emergency operations as well as day-to-day problem solving to help new acting officers be successful on the job. The three-month academy includes NFPA Fire Officer I qualifications, simulated tactics labs, personnel management, communications, pre-

sentations, and customer service scenarios. Each academy culminates with a Lieutenant level assessment center which serves as their final exam. In 2016 Firefighters Matt Brummitt, Kevin Colombana, and Evan Hurley all successfully completed the academy and were awarded Acting Officer status.

### IN 2016, KIRKLAND FIRE'S FOCUS ON TRAINING EXTENDED OUTSIDE OF THE EAST METRO TRAINING GROUP THROUGH OUR PARTICIPATION IN

**Camp BLAZE.** From July 23 to July 30, 24 young women from around the country came together to participate in Camp BLAZE. Camp BLAZE is a nonprofit organization that seeks to "empower, inspire and support" strong women leaders through a weeklong training program located at the Washington State Fire Academy in North Bend. Young women ages 16-19 are taught skills ranging from teambuilding and leadership to firefighting skills and EMS. Campers learn from a professional staff of women firefighters and first responders from around the country who volunteer their time to teach and mentor the young women.

A tremendous effort made by **over a hundred volunteers** help make Camp BLAZE possible. Campers, crew leaders, instructors, cook staff, volunteers and command staff all work together to make the week meaningful, impactful and fun. The camp's focus is on 24 young women; the positive impact, mentorship and camaraderie is shared by all that participate.



This year's camp saw a record number of former campers return as volunteers; many of them had found a home in the fire service. Kirkland Fire provided the Operations Chief for this year's camp and had a Kirkland resident as one of the campers.

The Battalion Chief in charge of Training also acts as the department's Safety Committee chair and follows up on all safety concerns presented to the committee. The Training Chief is also responsible for reviewing all fire department safety reports and recommending appropriate actions.



# EMERGENCY RESPONSE

## 2016 TRAINING HIGHLIGHTS

**Post Incident Analysis (PIA)** – In addition to designing and delivering training, Kirkland's Training staff conducts in-depth analysis of significant fires and rescue events to evaluate the safety of our operations and to look for ways to improve. By combining 911 call audio with the fire ground radio traffic and presenting it with photos and video footage from the scene, we are able to give participants a complete understanding of the incident. Through a web based video conferencing system we are able to keep Kirkland crews in their home station and able to respond to 911 calls. This system also allows other agencies in the East Metro Training Group (EMTG) to participate without having to physically leave their agencies' borders, thus maximizing regional readiness. In 2016 the Training Division produced 13 PIAs.

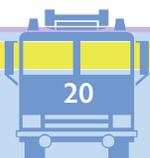
**Entry Level Training Academy** – In both April and August of 2016, Training sent instructors in key supervisory roles to be part of the EMTG Fire Academy where a total of six new Kirkland firefighters were trained along with 30 others from our neighboring departments. Recruits learned all of the hose, ladder, and rescue skills needed to become Probationary Firefighters and continue their training with their home agencies as part of a crew.

**EMS Training** – Emergency Medical Services (EMS) related issues make up the vast majority of our 911 responses. The Kirkland Fire Department routinely trains with our paramedic partners to keep our skills honed. King County is well renowned for high survival rates following cardiac arrest and that is directly related to the expert care given by the first arriving Basic Life Support (BLS) crews.

**Vehicle Extrication Training** – In April, the Training Division supplied twenty junk cars and over the course of the month crews rotated through and practiced the skills of extrication.

**Totem Lake Mall Destructive Training Division** – Prior to demolition of the Lower Totem Lake Mall, the Training Division worked with the property owners and the general contractor to practice some of our skills for forcing entry through walls and locked doors.

**Water Rescue Training** – The Training Division worked with the Water Rescue Team to deliver 9 sessions of Operations level water rescue training and 9 sessions of Technician level training to the members of KFD and some of our regional partners.



## ADDITIONAL TRAINING HIGHLIGHTS

- Provided Quarterly Command Post Training for the Battalion Chiefs and BC Aides
- Working with EMS, recertified 27 EMTs
- Facilitated Puget Sound Energy training for three members
- Recertified Travis Braddock, Tom Clark, and Jesse Disch as Kirkland Fire's CrossFit leaders
- Accomplished required live fire training using local training centers
- Provided leadership and communication training to acting officers and officers
- Scheduled hearing tests, flu shots, and TB Quantiferon Gold Testing
- Facilitated a Driver/Operator Academy

## TECHNICAL RESCUE 2016

Since 1999, Kirkland Fire has been the lead agency for the Zone 1 Technical Rescue Operations Group. This group was formed by an Interlocal Agreement to coordinate resource and response amongst nine fire departments in Northeast King County. BC Larry Peabody, who retired in 2016, served as chair since the group's inception. Over the years, Kirkland firefighters have taught hundreds of classes ranging from initial certification to advanced training to professionals from around the region. This collaborative effort is accomplished largely through a self-funded process that is being examined closely as an example by other similar regional organizations.

In 2016 BC Bill Hoover of Kirkland Fire was appointed program coordinator of Zone 1 Technical Rescue. In the months following this transition, BC Hoover led an evaluation of the program and facilitated the development of short, medium, and long-term goals. These goals focus on sustainability, regional cooperation, and adaptation to the changing demands for service. This process also identified changes to Washington Administrative Code that increased the amount of required training for certain technical rescue disciplines.



## TECHNICAL RESCUE HIGHLIGHTS

- Kirkland Fire has 32 personnel certified as Technical Rescue Technicians, the highest level of certification.
- Technicians are primarily assigned to Ladder 27 in the city's Totem Lake Fire Station (Station 27).
- Station 27 houses Collapse 27, a trailer-based tool and equipment cache that is specifically suited for structural collapse response as the result of earthquakes, explosions or other physical damage to a structure that necessitates an emergency response.

## EMS OVERVIEW

Kirkland Fire's EMS Officer, Captain Seth Buchanan, is responsible for ensuring that the internal and external administrative, training, and operational programs that support EMS delivery are efficiently aligned. To do this, Captain Buchanan is actively engaged with staff from King County EMS, private sector vendors, and fellow KFD employees.

A major factor to King County's success in EMS delivery has been its focus on novel studies and programs, and Kirkland Fire has been a key partner in this effort. In 2016, Kirkland partnered with King County EMS, King County's Aging and Disability Services, and the King County prosecutor's office to ensure that Kirkland firefighters continue to accurately report on vulnerable adults and



# EMERGENCY RESPONSE

## EMS OVERVIEW

children encountered during routine EMS calls. Because of this partnership, Kirkland Fire referred several patients in social services that better meet their needs.

Also in 2016, KFD enhanced our ability to arrange for transport to those patients requiring care at out-of-jurisdiction hospitals by becoming a signatory on a regional contract with a private ambulance company. The contract stipulates that the ambulance must meet certain response time requirements and allows for the Kirkland Police Department to directly request an ambulance to the scene of an incident.

## OTHER EMS HIGHLIGHTS

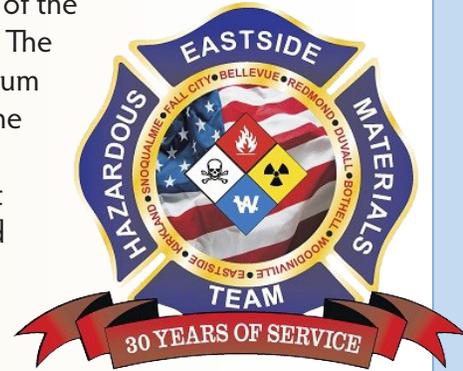
- In January 2016 Kirkland Fire installed Stryker Power XT Stretchers™ with power load on aid units at Stations 21 and 27. These stretchers lift and load systems greatly reduce the risk of injury to our personnel while enhancing patient safety and comfort. The success of these first two systems led to the department installing new cots into the entire fleet of six aid cars in June 2016.
- Upgrade to Electronic Health Record system for medical incident reporting
- Upgrade to NEMSIS\* 3 data set for medical incident reporting
- Implementation of a medical oxygen cylinder exchange program
- Purchase of smaller oxygen cylinders and additional defibrillator batteries, backboards, and straps

\* NEMSIS stands for the National Emergency Medical Services Information System. NEMSIS is the national repository that will be used to potentially store EMS data from every state in the nation. Since the 1970s, the need for EMS information systems and databases has been well established, and many statewide data systems have been created. However, these EMS systems vary in their ability to collect patient and systems data and allow analysis at a local, state, and national level. For this reason, the NEMSIS project was developed to help states collect more standardized elements and eventually submit the data to a national EMS database.



## HAZARDOUS MATERIALS

The Kirkland Fire Department is a member of the Eastside Hazardous Materials Consortium Group. The group consists of nine fire agencies in Zone 1 that contribute annual dues to support a unified hazardous materials response team and which provides a multi-jurisdictional prevention and response capability. The operations section of the team is directed by the lead agency, Eastside Fire and Rescue, which assumed this role as of January 1, 2016, following the 30-year tenure of the Bellevue Fire Department. The NFPA 472 training curriculum is under the direction of the Bothell Fire Department, and the role of equipment coordination is maintained by the Bellevue Fire Department, Station 6 personnel.



## EHMRT Mission Statement

*The mission of the Eastside Hazardous Materials Response Team is to prepare, identify, interdict and mitigate, through established partnerships of Consortium fire agencies, hazardous materials releases, potential and credible acts of terrorism, target hazard identification, integrated response training and, by implementing safe mitigation efforts, stabilize such events without further impact to first responders, the public and the environment.*



# EMERGENCY RESPONSE

## HAZARDOUS MATERIALS (continued)

The Consortium operates Hazmat 1, a 2004 H&W medium-duty vehicle capable of transporting personnel and a variety of technical equipment to the scene of a hazardous materials incident. Hazmat One is located at Bellevue Fire Department Station 6 and is in a ready state for deployment.

All Consortium hazmat technicians are familiar with the operational capabilities as well as the current inventory. We have benefitted greatly over the past ten years from FEMA grant-funding streams through both WA State Homeland Security Programs (SHSP) and FEMA Region X Urban Area Security Initiative (UASI). The Consortium also operates two mass-decontamination trailers, Decon-49 and Decon-77, capable of providing decontamination capabilities for large-scale incidents and one Prime Mover vehicle for towing purposes.

Additional apparatus includes two Club Car ATV's capable of providing deployment to down-range and remote areas at an incident. As the Consortium moves forward, large-scale equipment sustainment, replacement and/or decommissioning becomes a priority and we must continue to analyze our current apparatus and deployment strategies to meet future service level objectives.

### HAZMAT TRAINING

**All ESHMT Technicians are trained to the following standard competencies:**

- NFPA 472, Standard for Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents
- 29 Code of Federal Regulations -1910
- WAC 294-824 Competencies for Hazardous Materials Technicians and Hazardous Materials Specialist
- All technicians maintain competencies through annual training per WAC 296-304, including PPE, Hazard Recognition and Chemistry, Decontamination, Instrumentation, WMD Awareness and Operations, ICS, Offensive and Defensive Strategies.
- Opportunities are provided for competency training through FEMA/Department of Homeland Security-funded, residency and mobile training deliveries.

- Additional opportunities are provided through Washington State Homeland Security and Seattle/Bellevue Urban Area Security Initiative (UASI) funded programs.
- Local and regional training opportunities are provided through the team training officer and Agency-led training modules.



### 2016 HAZMAT HIGHLIGHTS

- Joint Meth Lab / WMD mitigation training with ESHMT and 10th CST (Civil Support Team) at a location in North Bend, Washington.
- Level A entry, containment of chemical products and chlorine leak mitigation training at the Tolt River Water Treatment Facility in Carnation, Washington
- Anhydrous Ammonia / compressed gas spill mitigation and leak control training at the North Bend Fire Training Facility in North Bend Washington.



# EMERGENCY RESPONSE

## WATER RESCUE

In 2016 the Water Rescue Team responded to over 40 water related emergencies ranging from swimmers in distress, sinking vessels, and boating accidents, to mutual aid requests from neighboring jurisdictions. Among the individuals helped by our water rescue personnel, three were perilously close to catastrophic outcomes. However, due to the training, equipment, and coordinated response of our personnel, tragedy was averted. In total, 2016 was the second year in a row the City of Kirkland did not have a single water related fatality.

KFD's water rescue craft played an invaluable role in these rescues. Kirkland continues to be the regional leader for water rescue by providing both Operations and the more advanced Rescue Swimmer level training courses to eight bordering agencies. In 2016, over 120 individuals took part in these classes taught by Kirkland Fire's 12 water rescue instructors. This effort was supported by our newest instructors, both of whom joined the instructor ranks in 2016, Firefighter Moe Kelsey and Firefighter Doug Tomczak.

### KFD'S RAPID DIVER PROGRAM

Kirkland remains the only agency in the region that offers Rapid Dive System (RDS) services. The goal of this program is to rescue submerged victims within the "golden hour" of survivability in depths that may be out of reach for our rescue swimmers. Thirty two of our current rescue swimmers have taken advanced level training to certify them as Rapid Divers, and each frontline aid car, as well as Ladder 27, carry two dive kits. Each kit consists of a dive vest and a small cylinder of air that provides up to 30 minutes of air, and can be donned in 20 seconds.

The rescue of a submerged victim requires careful coordination among our response personnel. First, our rescue swimmers arrive on scene to establish last seen points and to deploy datum marking devices. While this is occurring, two other certified divers will don the RDS vests and prepare for an underwater search. These searches can be shore based or deployed from either Marine 21 or Marine 22, our water rescue craft. This capability can be deployed



in under ten minutes from the time of the 911 call as opposed to waiting 45 minutes or more for an outside jurisdiction's dive team to arrive and be in a dive-ready status. Our RDS personnel conduct a minimum of four daytime and one nighttime qualifying dives each year to maintain their RDS certification in addition to completing their annual training requirements as rescue swimmers.

By the end of 2018, our RDS divers will be accredited as public safety divers with an international dive organization. In addition, our trainers will be able to fully train and certify our personnel in-house, decreasing both the cost of certification and duration.

A special thanks to our water rescue instructors. These personnel were responsible for writing policies; developing and delivering training; creating response plans; and ensuring that the water rescue craft and equipment were appropriately maintained and operationally ready:

- Lieutenant Justin Becker
- Lieutenant Joel Bodenman
- Lieutenant Cory Caulk
- FF Cliff Oleszko
- FF Travis Braddock
- FF Bill Barnes
- FF Ryan Riedl
- FF Moe Kelsey
- FF Jon Hernandez
- FF Brett Christiansen
- FF David Lilleness
- FF Doug Tomczak



# EMERGENCY RESPONSE

## 2016 WATER RESCUE HIGHLIGHTS

- Completion of Operations Level training to all personnel
- Rescue Swimmer training delivered to 60 personnel
- Rapid Diver training delivered to 32 personnel
- Water Rescue Craft driver/operator training delivered to 52 personnel

## PERSONAL PROTECTIVE EQUIPMENT (PPE) PROGRAM:

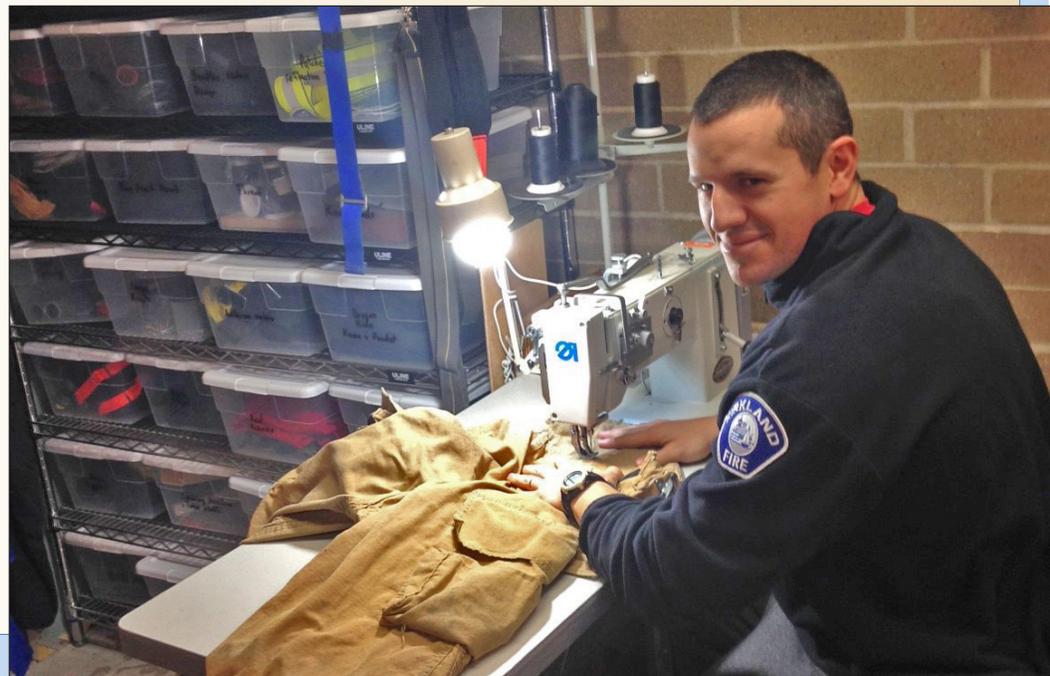
Kirkland Fire is currently the only fire department in the United States that holds an NFPA Independent Service Provider (ISP) certification, which allows trained personnel to perform any inspection or repair to the 3,200+ pieces of our Personal Protective Equipment (PPE). Over 4,000 repairs to zippers, vapor barriers, Kevlar shells etc. were performed in 2016. The cost savings for these inspections and repairs had a net total of over \$90,000. Additionally, repairs to bunker gear during new recruit academies were performed for surrounding jurisdictions who were then billed for the services provided. This helped keep our recruit academy flowing while also generating additional revenue for the City of Kirkland.

Two PPE specialists were brought onto the team in 2016: Firefighters Jesse Disch and Kent Moffitt. They will complete their training in 2017. Part of this training includes a 5 day class taught by the gear manufacturers in Georgia, New Hampshire, and Maine. By summer of 2017 both of them will be fully functioning members of the team, bringing the total up to six personnel.

Additional repair equipment was purchased in 2016 allowing for repairs to our neoprene wetsuits and silicone portions of the dry suits.



The PPE team's two advanced sewing specialists, Firefighters Cliff Oleszko and Jesse Disch, created SCBA bottle carrying straps, cribbing holders and kit bags to store the rescue saws blades/tools. All of these items were made using old fire hose, pockets off of decommissioned bunker gear and out of service backboard strap webbing.



# EMERGENCY RESPONSE

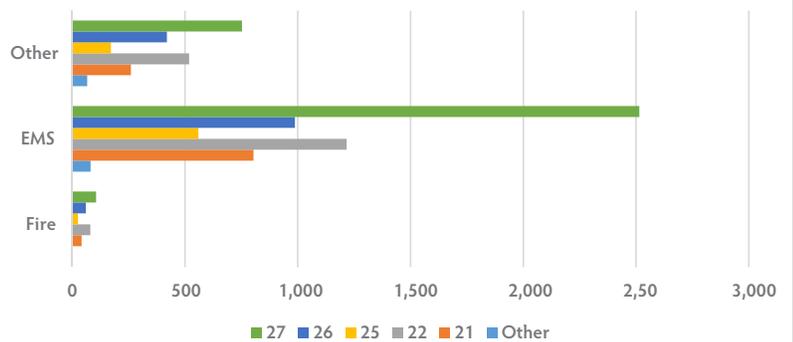
## TOTAL CALL LOG

### 2015 Total Emergency Incidents

CALL TYPE	STATIONS						Total
	Other	21	22	25	26	27	
Fire	0	42	81	26	61	106	316
EMS	82	804	1217	560	988	2515	6,166
Other*	67	261	519	172	420	753	2,192
<b>Total</b>	<b>149</b>	<b>1,107</b>	<b>1,817</b>	<b>758</b>	<b>1,469</b>	<b>3,374</b>	<b>8,674</b>

\*'Other' includes responses where no Station location was recorded in KFD's database.

### 2015 Total Emergencies by Station

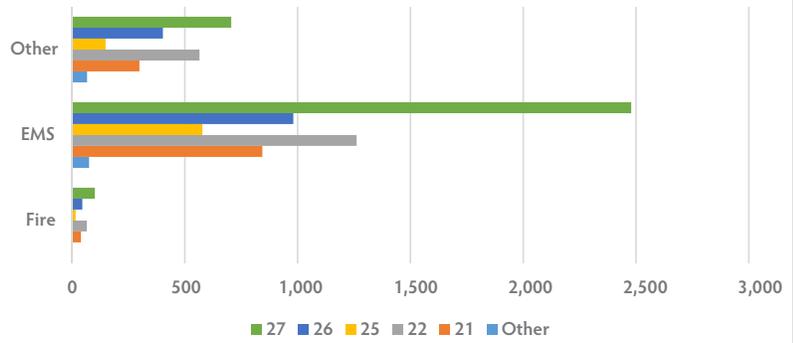


### 2016 Total Emergency Incidents

CALL TYPE	STATIONS						Total
	Other	21	22	25	26	27	
Fire	0	40	66	16	46	101	269
EMS	76	844	1,262	578	981	2,479	6,220
Other*	67	299	565	149	403	706	2,189
<b>Total</b>	<b>143</b>	<b>1,183</b>	<b>1,893</b>	<b>743</b>	<b>1,430</b>	<b>3,286</b>	<b>8,678</b>

\*'Other' includes responses where no Station location was recorded in KFD's database.

### 2016 Total Emergencies by Station

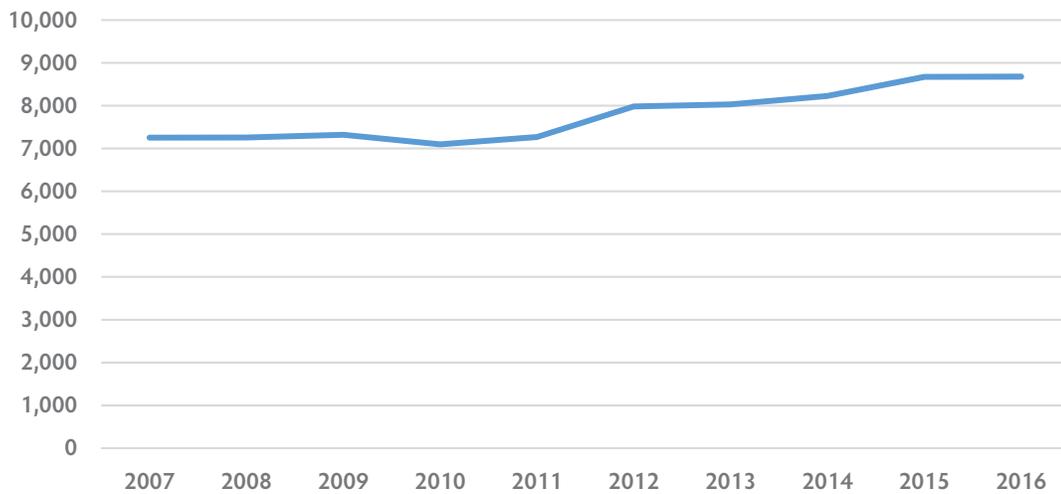


#### Station B21:

Fire: 4  
Other: 19



### Total Emergencies 2007 - 2016



### EMERGENCY RESPONSE TOTALS BY UNIT

	2012	2013	2014	2015	2016
Aid 21	891	905	892	890	951
Aid 22	1,203	1,181	1,216	1,286	1,320
Aid 24	102	135	124	*	*
Aid 25	541	498	533	609	606
Aid 26	1,005	936	959	1,074	1,071
Aid 27	2,037	2,039	2,033	2,223	2,011
Aid 29	449	406	447	483	659
Engine 21	326	357	388	449	460
Engine 22	575	628	729	727	785
Engine 25	182	193	206	214	190
Engine 26	482	512	601	626	652
Engine 27	625	700	730	726	679
Engine 28	2	28	6	7	*
Ladder 27	651	670	798	914	903
Battalion 21	486	478	570	582	642
Air Unit 21	45	37	55	38	57
<b>Totals</b>	<b>9,602</b>	<b>9,703</b>	<b>10,287</b>	<b>10,852</b>	<b>10,852</b>

\*Ladder 26 was moved to Station 27 in June of 2011. This eliminated L26 and created L27. In addition, Station 27 went from one dedicated Aid Unit to two cross staffed Aid units.



# EMERGENCY RESPONSE

## 2016 RESPONSE TIME GOALS AND OBJECTIVES

### Kirkland Fire Department Response Goals

The Kirkland Fire Department has set extremely aggressive goals for response times, call processing and turnout times. These response goals are established to effectively and efficiently deliver fire suppression, special operations response, and emergency medical services to the citizens of Kirkland. Always striving to improve service to the community by meeting or exceeding these goals will insure that the Kirkland Fire Department continues to provide the best service possible to people it serves.

#### CALL PROCESSING TIME\*\*

(Phone pickup to first unit assigned)

Kirkland Fire Department's call processing time standard is 60 seconds, 90% of the time.

Year	Percentage of time call processing time goal was met
2016	86%
2015	88%
2014	88%
2013	88%
2012	86%

\*Call processing time not available from NORCOM for these years

\*\*Call processing is handled through NORCOM 911 system.

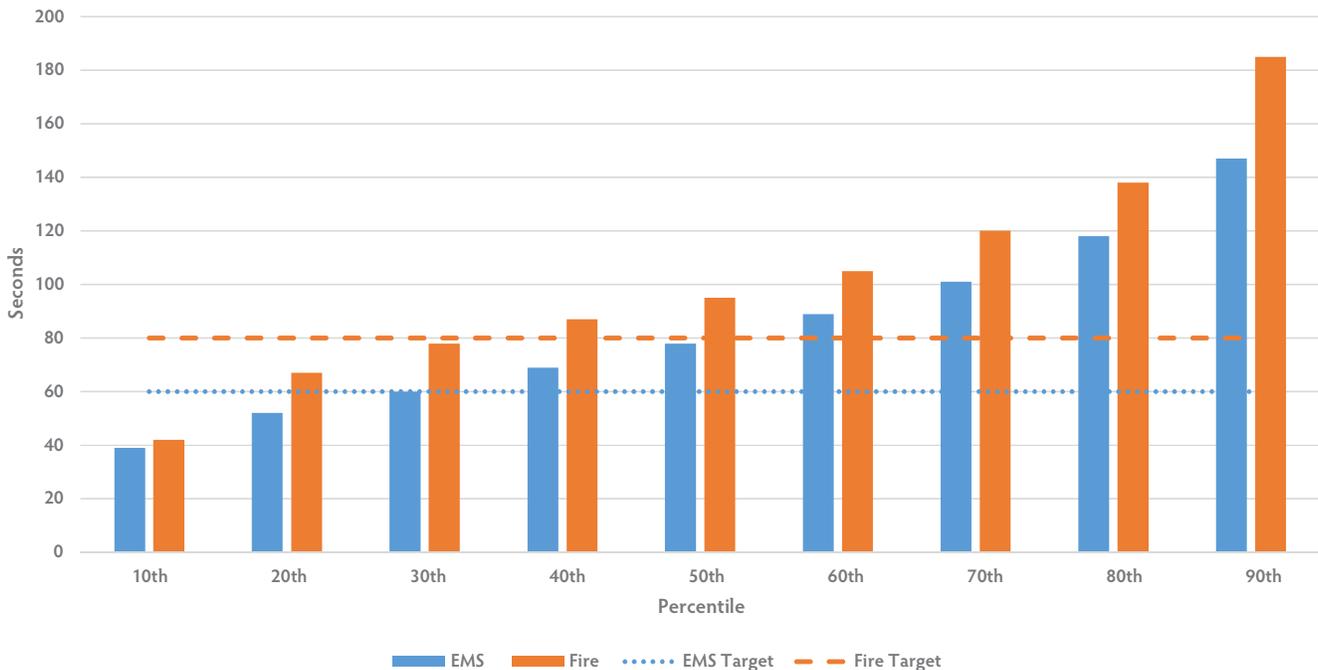
#### TURNOUT TIME (FIRE)

(Time unit assigned to enroute)

Kirkland Fire Department's fire turnout time standard is 80 seconds, 90% of the time

Year	Percentage of time turnout objective met
2016	32%
2015	37%
2014	26%
2013	26%
2012	30%

2016 Turnout Time by Percentile



# EMERGENCY RESPONSE

## 2016 RESPONSE TIME GOALS AND OBJECTIVES

### BASIC LIFE SUPPORT UNIT (AID CAR)

(Enroute to on-scene)

Kirkland Fire Department's response time objective for the arrival of the first emergency medical unit with 2 EMTs is 4 minutes, 90% of the time

Year	Percentage of time response objective met
2016	72%
2015	73%
2014	75%
2013	76%
2012	75%

### ARRIVAL OF FIRST ENGINE AT FIRE

(Enroute to on-scene)

Kirkland Fire Department's response time objective for the arrival of the first engine at a fire is 4 minutes, 90% of the time

Year	Percentage of time response objective met
2016	64%
2015	73%
2014	75%
2013	76%
2012	75%

### TURNOUT TIME (EMS)

(Time unit assigned to enroute)

Kirkland Fire Department's EMS turnout time standard is 60 seconds, 90% of the time

Year	Percentage of time turnout objective met
2016	38%
2015	38%
2014	37%
2013	37%
2012	38%

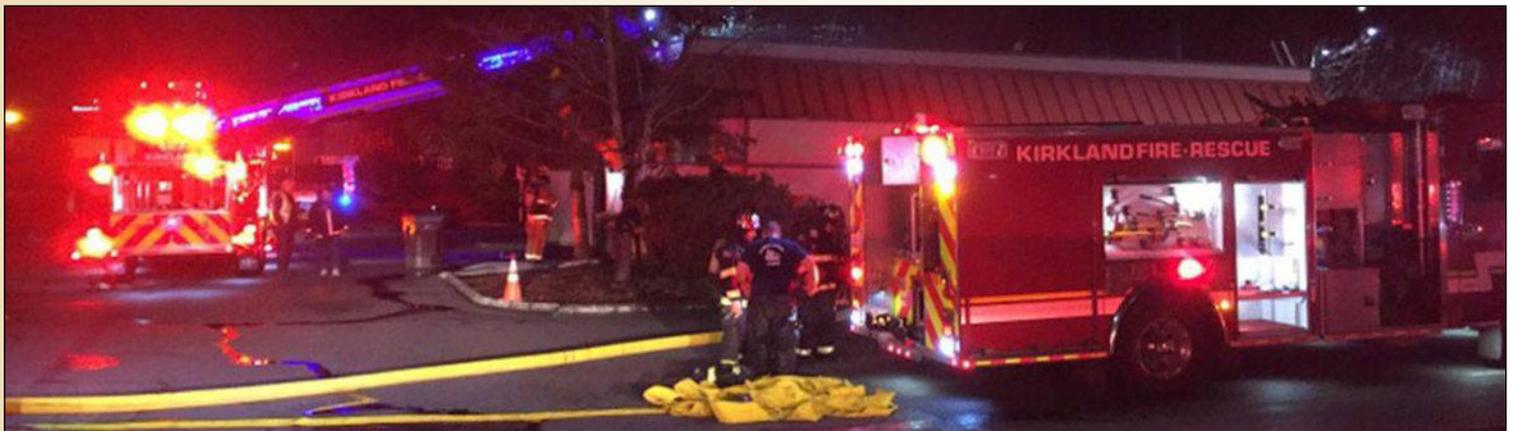
### 2016 RESPONSE DATA

Kirkland Fire Department Adopted Objective From 911 Call Pick-up to Arrival On Scene

- Fire: 5:30 We meet this 35% of emergency incidents
- EMS: 5:00 We meet this 49% of emergency incidents

Actual Total Response Time to Fires  
90% of the Time – 8:12

Actual Total Response Time to EMS  
90% of the Time – 7:48



# EMERGENCY RESPONSE

## ADVANCED LIFE SUPPORT (ALS) RESPONSE

Advanced Life Support response is provided in Kirkland by King County EMS through a contract with the City of Redmond Fire Department.

Medic response time standards are established by King County Medic One.

### Medic Response Time Standard

The King County Medic response time objective is average unit response times less than 10 minutes, and 80% of calls in less than or equal to 14 minutes.

**Total 2016 Medic calls in Kirkland: 1,644**

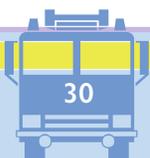


### RESPONSE ANALYSIS\*

	INCIDENT YEAR			
	2013	2014	2015	2016
Call Volume	1,568	1,547	1,633	1,644
Total Response Time* (average)	6:57	9:11	7:54	8:56

\*Total Response Time = Dispatch Time + Unit Response Time

ALS RESPONSES TO KIRKLAND FD	2013	2014	2015	2016
Bellevue Medic 1	76	69	91	100
Bellevue Medic 2	4	0	2	1
Redmond Medic 19	126	138	134	148
Redmond Medic 23	1,196	1,175	1,249	1,241
Redmond Medic 35	7	7	9	6
Shoreline Medic 47	88	98	93	83
Shoreline Medic 63	0	1	0	1
Shoreline Medic 65	71	59	55	64
<b>TOTALS</b>	<b>1,568</b>	<b>1,547</b>	<b>1,633</b>	<b>1,644</b>



# EMERGENCY RESPONSE

## ADVANCED LIFE SUPPORT (ALS) RESPONSE

### MEDIC UNIT LOCATIONS

Bellevue Medic 1	Overlake Hospital Medical Center: 1035 116th Ave. NE, Bellevue, WA 98004
Redmond Medic 19	Housed at Redmond Fire Station 11: 8450 161 Ave NE, Redmond, WA 98052
Redmond Medic 23	Housed at Evergreen Hospital Medical Center: 12040 NE 128th Street, Kirkland, WA 98034
Redmond Medic 35	Housed at Woodinville Fire Station 35: 17825 Avondale Rd NE, Woodinville, WA 98077
Shoreline Medic 47	Housed at Station 42: 10726 Beardslee Boulevard, Bothell, WA 98011
Shoreline Medic 65	Housed at Station 57: 17020 Brookside Boulevard NE, Lake Forest Park, WA 98155

### NORCOM 2016 Data



The core mission of the North East King County Regional Public Safety Communication Agency (NORCOM) is to provide high quality emergency service communication to the public for emergency medical services, fire and police. We will carry out this mission by receiving calls for service; dispatching resources in response to such calls; tracking and coordinating information flow and resources to assist responders; initiating records for all emergency events; and enhancing effectiveness, efficiency, coordination and interoperability of emergency service providers.

[www.norcom.org](http://www.norcom.org)

- The City of Kirkland is represented on the executive board of NORCOM by the City Manager.
- Kirkland police and fire serve on the NORCOM operations board.
- In 2016 NORCOM received a total of 196,746 emergency 911 calls.

### NORCOM dispatch 2016

#### Performance Measures:

90% of 9-1-1 telephone calls will be answered within 10 seconds or less during each hour of a calendar quarter (barring major disasters or other extraordinary events)

- NORCOM answered 911 calls within 10 seconds or less 98.00% of the time in 2016

**GOAL: 90% of emergency Fire/Medical (EMS) calls are dispatched within 60 seconds.**

NORCOM processes Fire/EMS calls in under 60 seconds 86% of the time.



# EMERGENCY RESPONSE

## 2017 PLAN OF ACTION:

- Per the recommendations in the department's 2012 Strategic Plan, the City of Kirkland is actively pursuing the construction of a new fire station, Station 24, in Juanita. Planning will continue in 2017 with construction scheduled to occur in 2018 and 2019.
- The City will continue to explore options for relocating Station 27 from its current location to an area east of Interstate 405 and near Evergreen Health Medical Center.
- Renovations to Station 25 on Finn Hill will begin in 2017, with updates to interior spaces, HVAC systems, and seismic and structural components.
- The department will explore options to improve and measure turnout times.
- Options for permanent storage of the department's two Water Rescue Craft, Marine 21 and Marine 22, will be finalized. Both craft are currently stored in the water at Kirkland Homeport Marina.
- The department will continue efforts to support accreditation through the Center for Public Safety Excellence. In 2017, these efforts will focus on continued revision of the department's policy and procedures, a review of current data collection and record management tools, and the design of a community risk assessment.

management tools, and the design of a community risk assessment.

■ The department's Office of Emergency Management will focus on training City staff on disaster response management. The OEM will also continue to nurture partnerships with volunteer and other community groups.

■ Fire Prevention personnel will evaluate software options that support field inspections.



# COMMUNITY RISK REDUCTION

## FIRE PREVENTION BUREAU HIGHLIGHTS

The Kirkland Bureau of Fire Prevention currently has five staff members: The Fire Marshal, one Assistant Fire Marshal, and three Fire Inspector/Investigators. The Fire Investigation Team is also part of the Fire Prevention Bureau. Headed by the Fire Marshal, the Fire Investigation Team consists of seven dual role investigators, with six from the Fire Department and one from the Police Department.

Our mission is to create a safe environment for our residents and our business community. We strive to prevent injury and loss of life and property through the following activities:

- Plan review and permit issuance for new construction and fire protection systems
- Inspections of new construction and fire protection systems
- Issuance of operational permits for activities regulated by the International Fire Code
- Annual fire safety inspections in existing buildings
- Investigation of fires to determine origin and cause
- Code and policy development and interpretation
- Publication of operating policies and fire safety information bulletins
- Adult Education

### HIGHLIGHTS FOR 2016:

- After a successful tenure as Fire Marshal, Battalion Chief David Walker rotated out of Fire Prevention and Battalion Chief Mark Jung assumed the role. During his assignment as Fire Marshal, Battalion Chief Walker worked to expand the professional depth and capacity of the bureau to be ready to respond to the demands of the current wave of development activity.
- The three-year code development cycle concluded with adoption of the 2015 edition of the International Fire Code (IFC) along with state and local amendments that update the 2012 Code. Preparation for the 2018 Code update is already underway.

- City Council affirmed the current requirements for residential fire sprinkler systems. These life-saving systems continue to be required in new homes, 5,000 square feet and larger, and where access or water supply standards cannot be met.
- A pause was called for engine-company inspections of business and multi-family occupancies while software is selected and deployed to efficiently assign, track and report on these inspections. Engine-company inspections are a huge part of our inspection effort, and they are very important to maintaining safe structures in our community. We will be back with engine-company inspections in 2017!
- In 2015 Fire Prevention identified 41 multi-family buildings that had not been retrofitted with basic alarm notification systems that became mandatory in 2004. In 2016, Fire Prevention has now issued permits for installation of required fire alarm systems in 40 of these 41 buildings. The owners of the last building are currently preparing to make a permit application. Installations on all buildings are expected to be complete by July of 2019.



# COMMUNITY RISK REDUCTION

## FIRE PREVENTION BUREAU HIGHLIGHTS

- After several years without a public education effort, Fire Prevention collaborated with the City Communications Manager and Multimedia Services to produce the first in a series of fire-safety videos to air on Kirkland Television.
- Construction began, in 2016, on the two largest mixed-use developments in Kirkland's history. These developments, along with a record number of other residential and commercial developments continue to challenge the Fire Prevention staff to require, review, and inspect fire-safe structures and developments from concept to completion.

### Fire Plan Review of New Construction

Fire Prevention personnel check plans to determine compliance with the International Fire and Building Codes as well as all local codes, ordinances, standards and regulations. This includes plan review of building sites for adequate fire department access, hydrant locations, and adequate fire flow, as well as fire protection systems such as fire sprinkler and alarm systems. Fire Prevention personnel work closely with the Kirkland Building Services Division, as well as other City Departments, to ensure comprehensive and consistent enforcement of the International Codes and the Kirkland Municipal Code.

Year	Plan review SFR new and additions	Plan Review Commercial	Plan Review Grading (LSM)	Plan Review Short Plats
2012	287	20	45	35
2013	371	43	60	40
2014	375	40	57	52
2015	438	39	57	58
2016	452	41	79	123
Year	Plan Review Zoning and Design	Plan Review Mechanical	Pre application conferences	Solar (PV)
2012	15	4	110	NA
2013	17	4	160	NA
2014	15	2	150	17
2015	10	3	170	38
2016	12	2	173	3

### Fire Inspections of New Construction

Once permits are issued, fire prevention personnel perform inspections to ensure that the required fire protection features are installed correctly and as designed. Just as during the plan review process, we work cooperatively with the Building Division and other City departments such as Public Works to ensure a seamless inspection process for the developers and contractors.

Year	Fire system Permits issued	Fire Protection System Inspections	(IFC) Permits issued	(IFC) Inspections
2012	208	380	16	14
2013	375	748	32	31
2014	291	1157	26	28
2015	283	1966	48	91
2016	345	1193	65	87

### Issuance of Operational (IFC) Permits

Some activities have the potential to create a hazard to the public, and therefore require an Operational Permit to be issued. Typically, operational permits are required for fireworks displays, hazardous materials, tents, bonfires, hot work (welding), and a variety of other hazardous activities.

### Annual Fire Safety Inspection Program

Fire Prevention Bureau personnel are responsible for managing the annual fire safety inspections program for existing buildings. You will see firefighters in Kirkland conducting these inspections, in order to discover and correct any conditions liable to cause a fire or life safety hazard. The recognized standard for inspection frequency is annual inspection of all business and hazardous occupancies. Currently our goal is to meet a three year cycle. Fire

Year	Company Level Fire inspections	Company Officer Investigations reviewed	Investigator reports
2012	1380	104	16
2013	1594	103	47
2014	1551	90	57
2015	1164	115	48
2016	0	131	22





Prevention staff are currently evaluating alternative inspection schedules that prioritize higher hazard occupancies, require response to known problems, and most efficiently utilize limited inspection-staff time.

### Fire Investigations

The Fire Prevention Bureau is mandated to conduct fire investigations to determine origin and cause of all fires which occur within the City of Kirkland. Fire Investigators work closely with the Kirkland Police Department in the event that a fire is suspicious or is determined to be arson.

All investigators are trained to national standards, attending the National Fire Academy in Emmitsburg MD, gaining certification through the Washington State Patrol and Accreditation from the International Association of Arson Investigators (IAAI), Kirkland is an active member of Zone 1 Fire Investigators and Zone 1 Fire Marshals.

### Code and Policy Development and Publication

The Fire Marshal is responsible for developing and publishing policies related to established fire prevention goals. These policies are technical in nature and geared towards assisting developers and contractors in site and system design. In addition, the Fire Marshal is responsible for code and policy interpretations. The Fire Marshal also coordinates with Fire Marshals in neighboring jurisdictions so that, as much as possible, code interpretations and requirements are standardized throughout the region.

## GOALS for the Future

- Two recent evaluations of the department outline the value of routine fire and life safety inspections in businesses and hazardous occupancies. Goal: Develop a fire safety inspection cycle that prioritizes high hazard occupancies and is attainable with available staff.
- In 2010, funding was discontinued to several educational programs. Goal: Expand on 2016 success in public education and continue to work toward resuming a stronger public safety education presence.
- Complete retrofitting Kirkland's most vulnerable apartments with basic fire alarm systems, meeting the 2004 requirement.



# OFFICE OF EMERGENCY MANAGEMENT



The Office of Emergency Management (OEM) was involved in extensive activities with the whole community in 2016. Highlights of this year include completion of the Emergency Operations Center, expanded employee training, and increased community involvement.

Kirkland OEM was the City most engaged in the Cascadia Rising 2016 Functional Exercise in the State of Washington with five full days of play.

In 2016 volunteers for the Office of Emergency Management, donated 3,924 hours. The cash value of this time is \$92,449.44.



■ Congresswoman **Susan DelBenne** and Emergency Manager **Pattijeon Hooper** discuss community engagement at the Cascadia Rising 2016 exercise at Inglewood Presbyterian Church. 145 community members engaged in disaster response operations on that Saturday!



■ **Christina Brugman**, CERT instructional lead and **Erin Tramontozzi**, Emergency Preparedness Coordinator take a Humvee ride along to conduct preliminary damage assessments with the **1-161st Infantry Battalion** of the Washington Army National Guard.



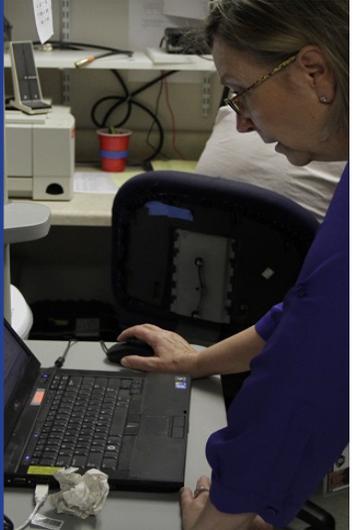




From Monday June 7th through Saturday June 11th, the City of Kirkland Office of Emergency Management participated in a statewide functional exercise titled **Cascadia Rising**. It was an opportunity to demonstrate how the community might respond to a 9.0 rupture of the Cascadia Subduction Zone, with the resulting earthquake and seiche. **Approximately 2,000 individuals participated in the exercise statewide, with approximately 300 participants from the City of Kirkland.**

There were **38 partner organizations** engaged in play through our Emergency Operations Center, a remarkable show of support for the Office of Emergency Management.

**TO VOLUNTEER FOR OEM**, please contact 425-587-3630 or [ptefft@kirklandwa.gov](mailto:ptefft@kirklandwa.gov).



# CHAPLAIN'S REPORT

For 30 years the Chaplain's program in Kirkland has been a service to our citizens under unimaginable situations of pain and heartache.

The role of your Chaplain is twofold.

1. As requested by an on-scene commander, the Chaplain helps relatives and friends of people caught in crisis process the situation. The Chaplain takes care of these people and allows first responders to do their jobs with minimal distraction. The family is briefed on the protocols that are unfolding around them, offered comfort and help through what many times seems like chaos to them.
2. The Chaplain is a listening ear, a presence and a source of encouragement to first responders both on scene and at any time they need. Vince serves as a member of the Kirkland Police Dept. Peer Support Team.

Your Chaplain meets people where they are and provides care and assistance wherever needed.

## Examples of responses in 2016 included...

1. In January, KFD Chaplain Vince Armfield assisted a family dealing with a family member's unexpected death. The Chaplain stayed with the family as they gathered and helped them process the event and facilitated a discussion about next steps.
2. In March, Vince assisted a family and young child who lost his grandfather. Vince helped guide the family through their initial grieving process and answered the child's many questions.
3. In April, Vince assisted another family dealing with an overdose death of a loved one. Vince helped the family process their grief and later officiated the funeral. This event led to a series of meetings in the community and has developed into a Task Force on Youth Mental Health. Chaplain Armfield is on this group's steering committee.

Your Chaplain serves the needs of everyone in our community and in those cases where a family or individual needs services and assistance of another religious leader – efforts are made to get them in touch as soon as is possible.



Chaplain Vince Armfield

## RUSSELL LOUIS MCCLINTICK SR.

Lifelong Kirkland resident Russell Louis McClintick Sr. died August 13, 2016 at Evergreen Hospice in Kirkland, WA. He was born in his family home on Rose Hill to Charles H. and Eleanor McClintick on September 14, 1926.

He graduated from Kirkland High School in the class of 1944. Prior to graduation he enlisted in the Marine Corp where he served in the 2nd Marine Division on Saipan, Tinian, Okinawa and Japan.

Russ married Freddie Ann Huelsdonk of Mt. Vernon on June 26, 1948 after completing 2 years at Skagit Community College and working at radio station KBRC, "the voice of Skagit Valley". He earned his BA from Western Washington College of Education in 1950 and MA from the University of Washington in 1965. Russ taught 2 years in Highline School District before returning to the Lake Washington School District where he taught elementary school and was a principal until 1980.

Russell L. McClintick was born September 14th, 1926 at his family home on Rose Hill (Kirkland, WA) to Charles H. and Eleanor E. McClintick. He was the youngest of 5 children. His father passed away when Russ was 4 years old, leaving Eleanor to raise the children on her own. He started school just before turning 5. Russ worked a newspaper route and won a bike. He delivered edigrams from the train depot to Kirkland and Triana for 25 cents each. By junior high he was working in a radio repair shop. As a freshman he visited in a wood boat factory, and then was hired by the Lake Washington Ship Yards as a journeyman marine electrician. In the fall of 1943, at 17 he signed up for the Marines. Kirkland High School gave him credit for his last semester and his mother attended graduation and picked up his diploma for the class of 1944. His radio experience got him into the Marine Radio School and eventually assigned to the 2nd Signal Company, Division Headquarters. He received advance Morse code schooling, learning the Japanese alphabet. He served in the Pacific intercepting and copying Japanese Morse code. After Japan's surrender, Russ spent time in Japan with the first Marine Armed Forces Radio Network. He came home in July 1946. Russ attended Skagit Community College and worked at KBRC where he handled the afternoon request lines. He met his wife Freddie Ann Huelsdonk in Mt. Vernon and was married June 26, 1948. He transferred to Western Washington College of Education, graduating in 1950. He taught 2 years in the Highline School District, and then the Lake Washington School District for 28 years. He taught at Central and Lakeview Elementary and then became the principal at Lakeside, Redmond and A.G. Bell and completed his 30th year, teaching at Mary-Twin. He received his Master's Degree from the University of Washington. During these years, Russ joined the Kirkland Volunteer Fire Department where he served as a firefighter and EMT over 25 years. He also served many years as a County Fire District commissioner.

After retiring from the school district, he became a commissioner of Evergreen Hospital, serving 17 years, and presiding at times as president. After losing his wife in 1994, Russ spent a few years in Cottonwood, AZ, where his two sisters lived. He returned to Kirkland in 2003 and to his same Kirkland apartment in 2004, which he previously shared with Freddie Ann. In 2015 he moved to the Vineyard Park at Bothell Landing, where he participated in countless activities and made a special friend, Hazel Olson. Russ wrote "My young years taught me to be a better man and spend my life doing something every day that will make my life, and the lives of people around me better. I believe we have to show gratitude to our fellow man and the community for what they do for us. I believe your family, friends, acquaintances and old memories will give you the greatest wealth and peace at the prospect your life will end or want." Memorials may be given to Kirkland Historical Society, 203 Market Street, Kirkland, WA or EvergreenHealth Foundation, 12040 NE 126th Street, MS95, Kirkland, WA 98034-3098 (Hospice program).



He was a volunteer fireman in Kirkland for 35 years where he was trained and licensed as an EMT. He served as an Evergreen Hospital Commissioner from 1980 to 1997.

Russ is survived by his sister Betty Gaudy, two daughters Patricia (Mary) Hiebert and Mary Menard, daughter-in-law Patricia McClintick, granddaughters Crysta (Gus) Weigel, and Anna (John) Heckman, grandsons Russell McClintick III and Jonathan McClintick and five great-grandchildren.

He was preceded in death by his wife of 46 years, Freddie Ann and his son Russell McClintick Jr.

## ANTIQUE PUMPER

### KIRKLAND'S 1929 LAFRANCE GETS A MAKEOVER

In March of 2015 The City of Kirkland approved the total restoration of our 1929 LaFrance. The City's matching funds of \$25,000 were added to \$24,000 that was donated to the Fire Department by Mrs. Eileen C. Brown.

Work began in August of 2015 By Forney Enterprises of Auburn Washington and continued through all of 2016. Completion is set for May 1st of 2017.

To date over 2,000 hours have been logged on the project. Every body panel was removed, sand blasted, straightened and painted. The frame was sanded and painted as well. Many body panels such as the right front fender, hood, rear hose bed, tailboard and running boards were completely re-fabricated. Every piece of brass was polished and all exposed fasteners were nickel plated, chromed and/or polished to a brilliant shine.

An interesting find was the brass pump that had been previously painted red. 100 hours of polishing and we can now see ourselves in the mirrored brass.

Rear seats will be added to the hose bed (with seatbelts), the air horn will be rebuilt and the 1929 LaFrance will soon be back in service at this year's 4th of July parade as well as other City of Kirkland festivities.

A special Thank You to Mrs. Eileen C. Brown who wanted to give back to her community, as well as Showcase Auto of Kirkland for their detailed paint work. And naturally to Craig Forney who will soon return our old pumper in better than new condition.



# CHIEF JOE SANFORD

## JOE SANFORD HIRED AS NEW CHIEF FOR KIRKLAND FIRE DEPARTMENT

Kirkland City Manager Kurt Triplett announced Joe Sanford has been appointed as the new fire chief for the City of Kirkland, effective May 4. Sanford has spent his entire career with the City of Kirkland and has served as interim fire chief since last fall. He has held every rank in the Kirkland Fire Department since being hired in 1981, including lieutenant, captain, battalion chief, deputy chief and interim chief.

During Sanford's tenure with Kirkland, he was named Chief of the Year in 2012 and 2014, and was Firefighter of the Year in 1989 and 2001. Sanford was also the manager of the Regional Fire Training Division where he supervised the work of battalion chiefs, captains and staff from Kirkland, Redmond, and Woodinville to provide year round training for nearly 300 firefighters, fire officers and chiefs. He was a Washington State Fire Service Training Academy Instructor and was President of IAFF Local 2545 in the late 1980s.

"Chief Sanford has earned this appointment through his excellent work as the interim fire chief over the past 11 months," said Triplett. "He has led the department through a challenging leadership transition, helped implement the new north end staffing and station improvement initiative, improved communications between fire administration and firefighters on the line, implemented our new water rescue craft program and much more."

"The City of Kirkland is fortunate to have a person like Chief Sanford on our team who possesses such integrity and strength of character," said Mayor Amy Walen. "He has demonstrated his profound commitment to the success of the Kirkland Fire Department and the safety of our residents."

Sanford had completed training at the National Fire Academy in the executive skills series, tactical operations, incident command large incidents, instructional techniques,

and emergency response to terrorism. Prior to becoming a firefighter, Sanford graduated from the University of Washington (UW) with a Bachelor of Arts in Communications.

Sanford also earned a full athletic scholarship to UW as an offensive lineman. He was Coach Don James' first recruit as he started at UW early in spring ball in 1975. Sanford helped UW become the 1977 Pac-8 Champions, the 1978 Rose Bowl Champions and the 1979 Sun Bowl Champi-



ons. He was selected to the All West Coast and All PAC-10 Teams as an offensive lineman and was drafted as an offensive tackle for the New York Giants of the NFL. Sanford and his wife have eight children and eight grandchildren, with a ninth on the way.

"I am honored to be appointed as Chief of the Kirkland Fire Department," Sanford said. "I work with an extraordinary team of people and I'm proud to serve this wonderful community."

**Joe Sanford Hired as New Chief for Kirkland Fire Department.** -Kirkland Reporter, May 9, 2016



# DEPARTMENT DIRECTORY 2017

GENERAL INFORMATION ..... 425-587-3650

Headquarters - 123 Fifth Avenue, Kirkland 98033

## Fire Administration

Joe Sanford, Fire Chief ..... 425-587-3602  
Helen Ahrens-Byington, Deputy Chief ..... 425-587-3603  
Tim Day, Deputy Chief ..... 425-587-3601  
Seth Buchanan, EMS Captain ..... 425-587-3663  
Audrey Martin, Administrative Services Supervisor..... 425-587-3658  
Victoria Davies, Administrative Assistant..... 425-587-3638  
George Dugdale, Senior Financial Analyst ..... 425-587-3425  
Anna Grimes, Office Specialist (.5 FTE) ..... 425-587-3641  
Jim Fink, Mechanic ..... 425-587-3880

## Fire Prevention

Mark Jung, Fire Marshal ..... 425-587-3623  
Grace Steuart, Assistant Fire Marshal..... 425-587-3660  
Jason Chappell, Fire Inspector..... 425-587-3655  
Brian Ferguson, Fire Inspector ..... 425-587-3653  
Ed Ulrich, Fire Inspector..... 425-587-3639  
Teri Wallace, Office Specialist ..... 425-587-3634

## Training

Mike Dettmer, Battalion Chief ..... 425-587-3698  
Mark Buenting, Captain ..... 425-587-3697  
Anna Grimes, Office Specialist (.5 FTE) ..... 425-587-3641

## Office of Emergency Management

Helen Ahrens-Byington, Deputy Chief..... 425-587-3630  
Madison Hoover.....AmeriCorps Volunteer  
Elodie Fichet .....Graduate Intern







