

# LYNNWOOD FIRE

## Annual Report



### MESSAGE FROM THE CHIEF



A major goal for the department in 2015 was to create a number of great programs to keep pace with the growth of the City. We were able to accomplish this by introducing new community outreach programs, regionalizing our community assistance program, and increasing joint training efforts with our regional partners. Additionally, Regionalized Fire Service discussions between the City of Lynnwood and Snohomish County Fire District #1 occurred throughout the year.

The Fire Department's outreach efforts in 2015 were largely aimed at increasing health and life safety skills in our community. One major outreach effort aimed at developing personal and life safety skills in middle school aged children in our community. Kid's Fire Camp, a program aimed at teaching kids the importance of healthy behaviors, injury prevention, and safety skills through a variety of fun activities successfully launched in September. We also partnered with Lynnwood Police on our 1st annual Safety and Health Fair. The fair featured informational booths as well as scheduled activities such as a bike rodeo, grease fire and fire extinguisher demonstrations and Fire engine and Police vehicle tours.

Regionalizing our efforts toward community assistance and resource referral led to a merge of two programs. Lynnwood Fire Department and Snohomish County Fire District 1 both received grant funding from Verdant Health Commission to run similar programs aimed at reducing high frequency utilizers of the 911 and emergency response system by providing support and referrals to existing community resources. In December, Verdant awarded a \$1 million regional grant which will fund a Community Resource Paramedic Task Force in South Snohomish County for three years. This strengthened and expanded the services being offered by both agencies and increased the efficiency and reach to the communities we serve.

2015 proved to be a busy and successful year for the Lynnwood Fire Department. We anticipate a continued effort toward regionalization of services as well as our successful community outreach programs.

# FIRE OVERVIEW



The Lynnwood Fire Department is committed to a safe and livable community. We safeguard people, property and the environment through education, prevention and emergency response using innovation and compassion

## Our Mission

## PUBLIC SAFETY PARTNERS



7636



Logged 911 Incidents

137



Fire Alarm Responses

524



Motor Vehicle Collisions

39



CPR Responses

5269



EMS Responses

21



Building Fires

## LYNNWOOD FIRE BY THE NUMBERS

- 1 Administration
- 2 Prevention
- 3 Training
- 4 Community Resource Paramedic
- 5 Emergency Operations
- 6 Disaster Management

## DEPARTMENT PROGRAMS

# YEAR IN REVIEW

## Kids FIRE CAMP



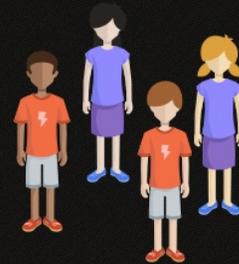
Fire Camp, a 4-day co-ed program for kids aged 11-14 provided fire and life safety education and promoted injury prevention by encouraging healthy and safe behaviors.

The program is designed to instill kids with a sense of self-confidence, teamwork and a basic understanding of their role in being part of a safe community through a variety of fun and exciting activities.



# 32

Fire Campers

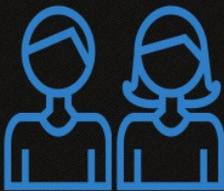


# 4

Strike Teams



# 8



Fire Mentors



# 4

Days of Activities



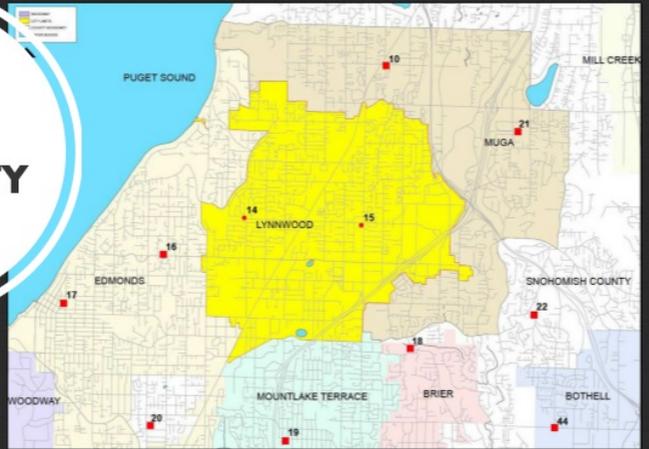


**52.8**

% Lynnwood's housing units are estimated to increase by 2035

**51.7**

% Lynnwood's population is estimated to increase by 2035



**● Lynnwood Fire Stations**

**■ Fire District #1 Stations**

A Regional Fire Authority (RFA) is a special purpose district created by a vote of the people to consolidate and regionalize fire and emergency services while retaining local control. Fire District #1 and the City of Lynnwood are reviewing this option.

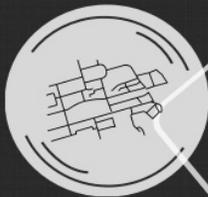
Creation of an RFA would combine regional resources into a single regional fire department to enhance service delivery, remove duplication, provide economic efficiencies, and provide borderless fire and emergency medical response. The services would be paid for through a property tax assessment.



**\$6.2**

The cost of current fire service delivery is predicted to increase \$6.2 million by 2020

**4 Service Delivery Options**

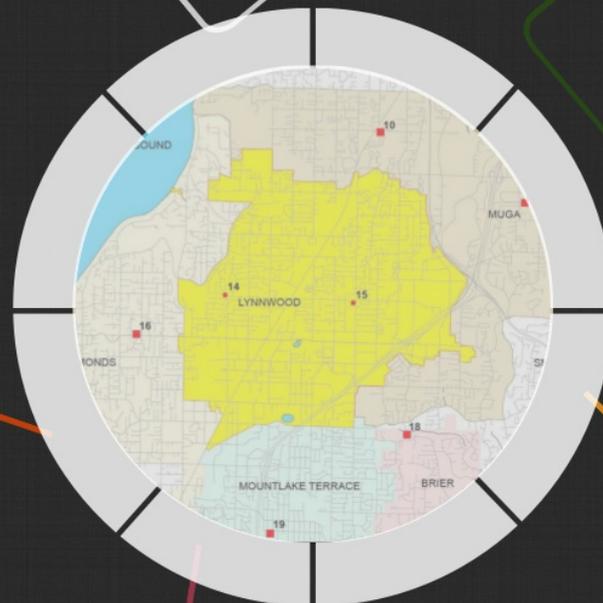


For more information, visit our web page at: <http://www.lynnwoodwa.gov/Public-Safety/Fire-Department/Fire-Service-Opportunities.htm>

**3rd Party Review of Financials**



**3 Community Outreach Meetings Held**



**Public Vote Required**



**4 Council Work Sessions Held**



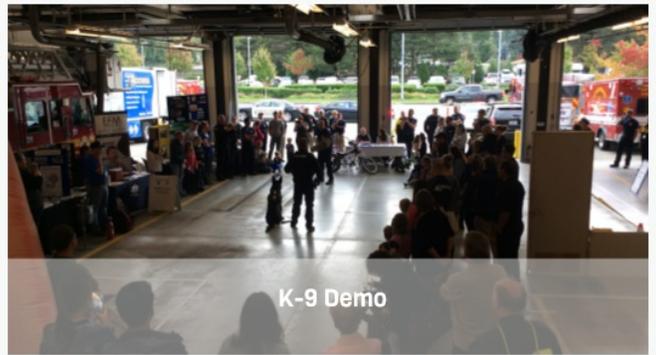
# Annual SAFETY FAIR



Fire Extinguisher Demo



Grease Fire Demo



K-9 Demo



## 300+ Community Members Attended

Lynnwood Fire and Police teamed up with local partners to conduct a Community Safety and Health Fair. The event featured informational booths, scheduled activities and hands on activities for people of all ages.



## 10 Informational Booths

- Cancer & Health Screenings
- Blood Pressure Checks
- Fall Prevention
- Community Health
- Home & Personal Safety
- Emergency Preparedness
- Household Hazardous Waste & Recycle
- Fire Prevention



## 8 Hands On Demonstrations

- Fire Extinguisher
- EOD Police Robot
- Bike Rodeo
- Police Vehicle Tours
- Fire Vehicle Tours
- Shutoff Home Water/Gas/Power
- Hands Only CPR
- DUI Prevention



## 7 Scheduled Activities

- Grease Fire
- Car Seat Installation
- K-9 Demonstration
- Free Document Shredding
- Prescription Medicine Disposal
- Balance Group Activity
- Kid's Bike Helmet Giveaways



*Washington*  
**WILDFIRES**

**8** Lynnwood Firefighters



Two teams of 4 firefighters were deployed over a 17 day period between August 19th and September 3rd

Units Assigned to Task Group 3:

- Lynnwood Fire - Engine 14
- Fire District 7 - Battalion 73
- East Olympia - Engine 65
- Grays Harbor - Engine 3103
- Gig Harbor - Engine 55
- Everett - Engine 6
- Camano - Engine 1



**7** Fire Apparatus



**50** square miles in and around Okanogan were covered by Lynnwood Crew members as part of a task group

**76** Structures and homes were saved in the first 72 hours of deployment by Task Group 3



*Fightin'*  
**FOR THE  
CURE**



In October and November, Lynnwood Fire's Engine and Ambulance Units sported pink to promote breast and prostate cancer awareness. The temporary wraps and logos were made possible by the generous donation of time and money by Aegis and Auto Graphics of Lynnwood.



Snohomish  
**COMMUNITY  
RESOURCE  
PARAMEDIC**



Pictured above from left, Community Paramedic Shane Cooper and Community Resource Specialist Kristen Thorlenson from Snohomish County Fire District 1 and Community Paramedic Dan Granter from the Lynnwood Fire Department.

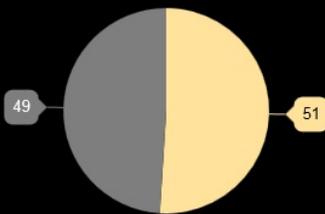


Some patients have underlying problems not easily addressed by continual calls to 911 for immediate medical needs. The Community Resource Paramedic program provides support to those patients by connecting them to existing community services to help meet their individual needs.

In December 2015, Verdant Health Commission awarded a three year grant worth more than \$1 million to fund the South Snohomish County Community Paramedic Task Force.

# Community Resource Paramedic By the Numbers

Total Referrals

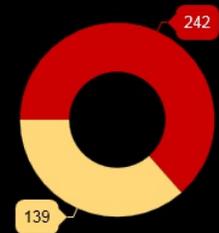


■ Falls (51%) ■ General (49%)

Emergency Department Utilization

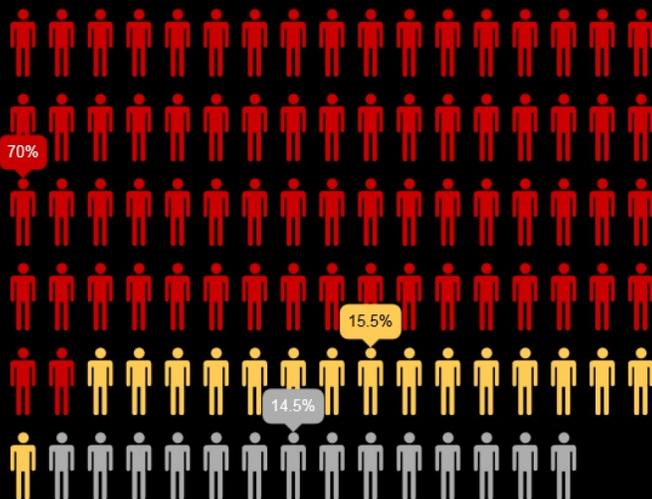


911/EMS Utilization



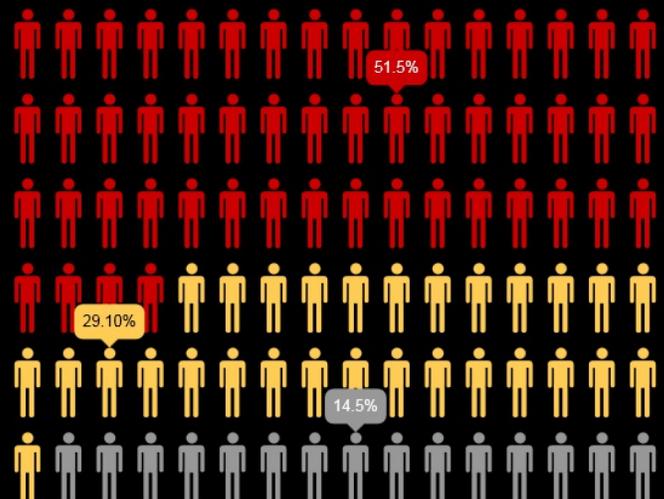
■ Prior to Contact (63.52%) ■ Post Contact (36.48%)

Individual 911 Decrease vs. Increase



■ Decreased (70%) ■ No Change (15.50%) ■ Increased (14.50%)

Individual Emergency Dept. Decrease vs. Increase



■ Decrease (54.15%) ■ No Change (30.60%) ■ Increase (15.25%)

# FIRE PREVENTION

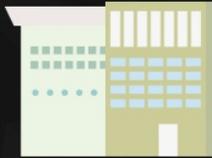
4379

Technical Inspections



496

Building Inspections



Fire Marshal's Office Staff



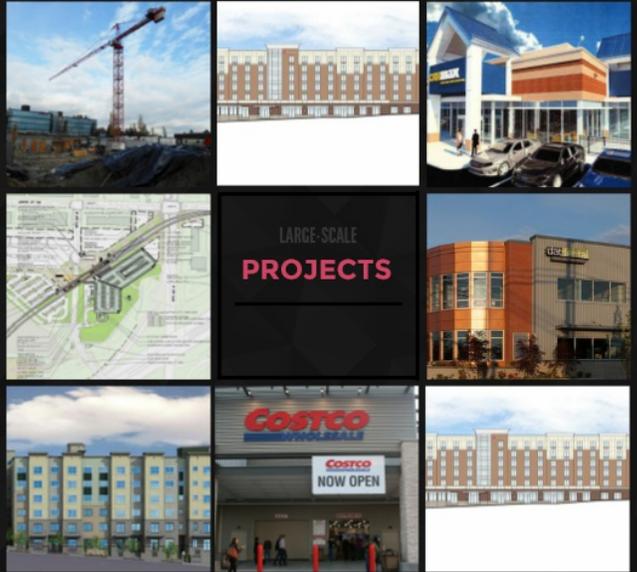
- 1 Fire Marshal
- 4 Fire Inspectors
- 1 Part-Time Admin Assistant



In 2015, the Fire Marshal's Office continued to play a critical role in large-scale building projects. Costco, the Ryan Building and others were completed and plan review for several mid-rise residential complexes was begun.



Our primary focus is life safety through prevention. To achieve this goal, the Fire Marshal's Office conducts inspections of new and remodeled structures, building plan review, hazardous material permits, and maintaining an active role in land use development.



# TRAINING



To provide for all-hazards emergency response, the Department cross-trains its staff in the emergency disciplines of Fire Suppression, Emergency Medical Services, Hazardous Materials, and Technical Rescue. In addition, Fire Officers provide Incident Command and work as regional partners in Disaster Management.

All Firefighters are trained to Firefighter I & II standards. Emergency Medical Services are provided at the nationally recognized levels of Basic Life Support (BLS) and Advanced Life Support (ALS). For incidents related to Fire Alarm System activations, Fire Inspectors from the Fire Prevention office often respond to provide expertise in problem solving malfunctioning systems.



560  
Annual Training Hours



212  
EMS Training Hours



1266



TOTAL LOGGED TRAINING HOURS

494



Fire Suppression/Prevention Training Hours

# EMERGENCY RESPONSE

## SPECIAL OPERATIONS

8

Hazmat Responders



Hazardous Materials

9

Technical Rescue Responders



Technical Rescue

## EMERGENCY OPERATIONS

32

Firefighters



Fire Suppression

12

Paramedics



Emergency Medical Services



The Lynnwood Fire Department provides 4 primary emergency response services to the community: Emergency Medical Services, Fire Suppression, Hazardous Materials and Technical Rescue.

These activities were carried out by 47 responders cross-trained in the four disciplines. Working from two fire stations, firefighters and paramedics respond using 1 Ladder Truck, 2 Fire Engines, 3 Aid Cars, and 1 dedicated Paramedic Unit.



# 2015 STATISTICS

Lynnwood Fire constantly monitors response time performance and analyzes our data for strategies to shorten the time required for us to reach you in an emergency. "Turnout Time" measures the time from 911 dispatch to our departure from the station. "Travel Time" measures the duration of time from the station to the emergency site. As you can imagine, turnout time is influenced by hour of the day, conditions, training activities, and simultaneous emergency calls.

TURNOUT TIMES					
	Daytime Avg	2015 Times	Nighttime Avg	2015 Times	90% Goal
<b>BLS (EMS)</b>	1:30	1:44	2:00	2:36	2:15
<b>ALS (EMS)</b>	1:30	1:44	2:00	2:36	2:15
<b>1st Engine</b>	2:00	2:08	2:30	2:51	3:00
<b>Rescue</b>	2:30	N/A	2:45	N/A	3:00
<b>Hazmat</b>	2:30	N/A	2:45	N/A	3:00

TRAVEL TIMES					
	Daytime Avg	2015 Times	Nighttime Avg	2015 Times	90% Goal
<b>BLS</b>	2:45	3:31	3:15	3:47	4:30
<b>ALS</b>	2:45	3:19	3:15	3:26	5:30
<b>First Engine</b>	3:00	3:48	3:30	3:42	5:30
<b>Rescue</b>	4:00	N/A	8:00	N/A	9:00
<b>Hazmat</b>	4:00	N/A	8:00	N/A	9:00

1ST ALARM TRAVEL TIME					
	Daytime Avg	2015 Times	Nighttime Avg	2015 Times	90% Goal
<b>1st Alarm</b>	5:30	4:19	8:00	4:22	7:00

90th Percentile Goals for Turn Out Time (min/sec)

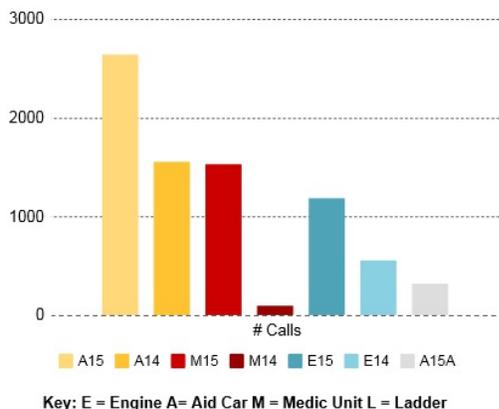
The chart to the right, measures turnout time averages based on the type of call and the time of day. Most fire departments attempt to optimize performance by establishing 90th percentile time goals. The chart below is a simple dashboard that represents our performance to the 90th percentile mark for each category.



90th Percentile Goals for Travel Time (min/sec)

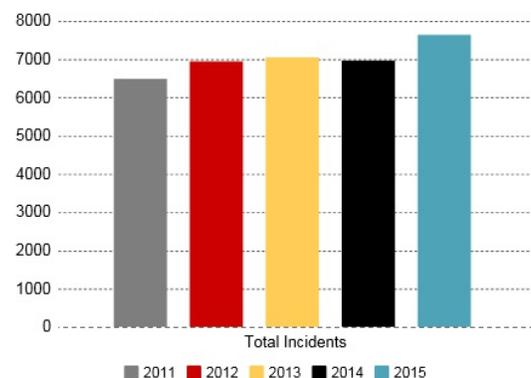


Busiest LFD Units



One or more fire department vehicles will be sent to an emergency depending on the type of call. Large structure fires require the most resources, sometimes requiring multiple fire engines, ladder trucks and command vehicles.

Total 911 Incidents

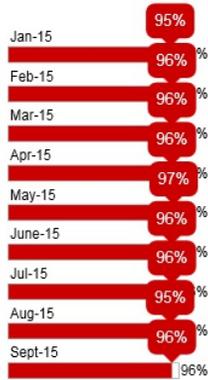


As one of the busiest fire departments per capita in the region, Lynnwood Fire continues to see an increase in incidents per year.



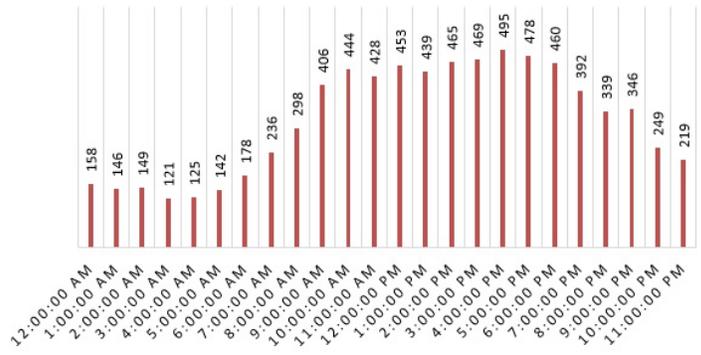
Fire and EMS responses are divided into subcategories. Fire suppression events are classified as residential, commercial, or single engine for miscellaneous fires. Emergency medical responses are classified as Advanced Life Support (ALS) for potentially life threatening emergencies, Basic Life Support (BLS) for non-life threatening emergencies and Motor Vehicle Crashes (MVC).

### Received to Dispatch within 60 Seconds



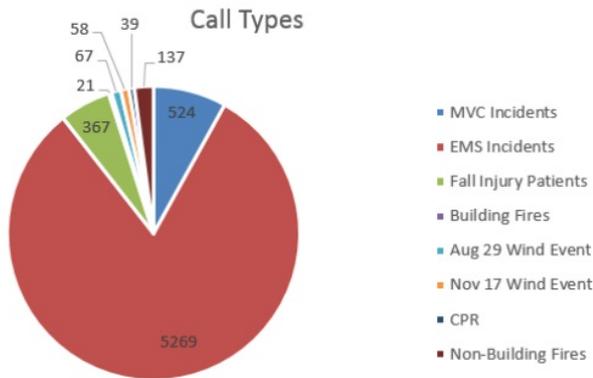
Data Courtesy of: SNOCOM's 2015 Annual Report

### # DISPATCHES PER HOUR

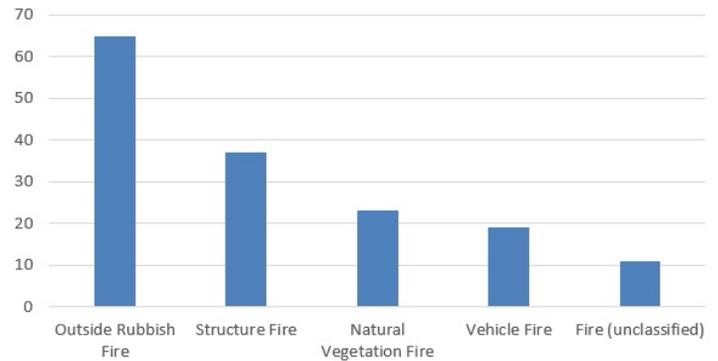


Emergency activity is greatest between the hours of 9 a.m. and 9 p.m. when people are most active.

### Call Types

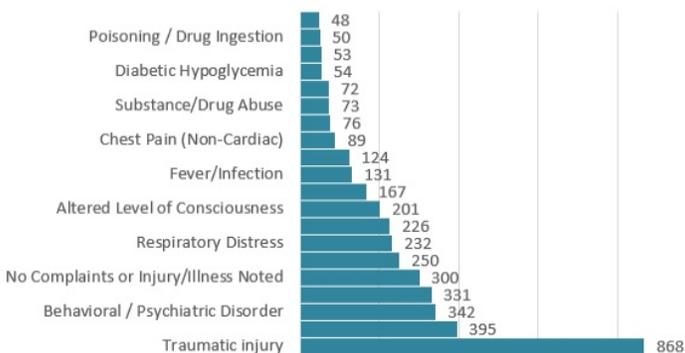


### Top Fire Types



The chart below lists the top 20 clinical impressions (primary medical issue) for EMS patients in 2015. As you can see, traumatic injury remained the number one reason that prompted calls to 911. Emergency calls related to behavioral and mental health issues have steadily increased.

### Top 20 Clinical Impressions



As part of FEMA, the National Fire Administration collects data from fire departments around the country to help develop fire safety initiatives and determine potential fire hazards in consumer goods and products.

The NFA uses 9 different categories for emergency incident analysis. This chart shows LFD incidents broken out in these 9 categories.

### NFIRS Categories

