ANCHORAGE FIRE DEPARTMENT

Mission: To Serve the Community, before, during, and after an emergency.

Fire Chief Jodie Hettrick
This is your Fire Department

EMS Stories: Anchorage Area-wide EMS

Video Credit to Stryker Emergency Care
Service Area

MOA
1961.1 Square miles

Fire Service Areas
AFD – 166 sqm
CVFRD - 43.48 sqm
GFD – 5.6 sqm

EMS
300+ sq miles
We Protect

People
291,845 Residents
896,000* Visitors
18,000 commuters

Property
$46.5 Billion

* 2016 numbers from SOA
394 funded positions

Chief’s Office - 2
Finance - 6
Fire Prevention – 11
Operations Mgmt. – 2
Training – 6
Shop - 9
Data Systems – 4
EMS Admin – 5
Health & Safety - 2
Operations - 347
20 Facilities

- Headquarters
- Fire Prevention Office
- 13 Fire Stations
- 3 reserve stations (St 13, Old 11, Old 3)
- Regional Training Center
- Maintenance shop
## AFD Demographics

### AFD Gender

<table>
<thead>
<tr>
<th>Department</th>
<th>Women</th>
<th>Men</th>
<th>Total Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Department wide</strong></td>
<td>44 women (10.9%)</td>
<td>361 men (89.1%)</td>
<td></td>
</tr>
<tr>
<td><strong>Line Operations</strong></td>
<td>12 women (3.6%)</td>
<td>323 men (96.4%)</td>
<td></td>
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<tr>
<td><strong>Dispatch</strong></td>
<td>15 women (71.4%)</td>
<td>6 men (28.6%)</td>
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<tr>
<td><strong>Supervisors (including line supervisors)</strong></td>
<td>7 women (8.2%)</td>
<td>78 men (91.8%)</td>
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</table>

### Anchorage Gender

- Women 49.7%
- Men 50.3%
<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Department wide</th>
<th>Line Operations</th>
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</thead>
<tbody>
<tr>
<td>Am Indian/AK Native</td>
<td>(2.3%)</td>
<td>(2.4%)</td>
</tr>
<tr>
<td>African American</td>
<td>(1%)</td>
<td>(0.6%)</td>
</tr>
<tr>
<td>Pacific Island</td>
<td>(1.5%)</td>
<td>(1.8%)</td>
</tr>
<tr>
<td>White</td>
<td>(87.6%)</td>
<td>(87.8%)</td>
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<tr>
<td>Asian</td>
<td>(3.3%)</td>
<td>(3.4%)</td>
</tr>
<tr>
<td>Hisp/Latin</td>
<td>(2.8%)</td>
<td>(2.8%)</td>
</tr>
<tr>
<td>2 or more</td>
<td>(1.5%)</td>
<td>(1.2%)</td>
</tr>
</tbody>
</table>

**Anchorage Ethnicity**

- Am Indian/AK Native: 8.4%
- Asian: 9.9%
- African American: 6.1%
- Hispanic/Latino: 8.6%
- Pacific Island: 2.5%
- 2 or more: 6%
- White: 67.1%
AFD FF RECRUIT DEMOGRAPHICS

2021 Applicants
399 applications received

Gender
- 56 women (14%)
- 339 men (85%)
- 4 undeclared (1%)

Ethnicity
- Amlnd/AK Nat (5.3%)
- African Amer (2.8%)
- Asian/Pacific Is (5%)
- Hisp/Latin (5.5%)
- 2 + (9.8%)
- White (70.4%)
- Undeclared (1.3%)
The AFD Finance section manages the finance side of our operation:

- employee payroll (more than 10,000 timecards/year)
- paying vendors
- billing for our EMS transports (20,000/year)
- grant management
- budget submissions
- expenditure tracking
- asset management
- contract administration
- and other duties as assigned
Anchorage is a SOA deferred jurisdiction which allows the AFD to perform Fire Plan Review, Inspection & Investigations to the minimum standards set by the State.
FIRE PREVENTION

Conducts every month…

➤ 200 – 250 Fire & Life-Safety Inspections

➤ 100 – 150 Fire Permit & Fire System Plan Reviews
Conducts every month…

- **200 – 250 Fire & Life-Safety Inspections**

- **100 – 150 Fire Permit & Fire System Plan Reviews**

  - Schools
  - Business, Liquor, Marijuana Licenses
  - Child Care, Assisted Living Facilities
  - Hotels, Motels, Transient Lodging
  - Multi-Family Apartment Buildings
  - Halfway Houses
  - Carnivals, Fairs & Places of Assembly

  - Restaurants, Bars & Nightclubs
  - Warehouses
  - Mercantile Establishments
  - Industrial Facilities
  - Mobile Food Trucks
  - Citizen Complaints
Conducts each year…

50 – 60 Fire Scene Examination & Investigations

Additionally, the Investigator reviews between 100 – 150 incidents each month
2020 Staffing

- 8 Fire Inspectors
- 1 Fire Investigator
- 1 Admin / CRTK
- Fire Marshal

2008

- 11 Fire Inspectors
- 2 Fire Investigators
- 1 Admin / CRTK
- Fire Marshal
Anchorage has added approximately 1200 new buildings since 2008.

Occupancies are being inspected less frequently.

Current staffing levels prevent AFD from adequately inspecting multi-family buildings where we suffer the most fire losses.

The best opportunity to protect Anchorage’s nearly 300,000 lives and $46 Billion in property ideally occurs before the emergency.
The AFD Health & Safety Office is responsible for reducing risk and improving the health and wellness of the community and AFD employees.

**Community Risk Reduction**
- CRR Coordinator – minimizes community risk, threats and hazards through education and training
- Community Injury Prevention and Harm Reduction Programs
- CORE Team - provides outreach and services navigation to identified EMS system users to improve their safety, health and wellness

**Comprehensive Occupational Health and Safety Program**
- Firefighter occupational medical and fitness evaluations
- Behavioral health and wellness
- Cancer prevention and detection
The AFD Health & Safety Office is responsible for reducing risk and improving the health and wellness of the community and AFD employees

Health and Safety Officer
- Risk management program development to reduce employee accidents, injuries, exposures and illnesses
- Department manager for FMLA/AFLA/Workers’ Compensation/ADA/Light Duty issues
- Designated Infection Control Officer

Shift Safety Officers
- Incident safety management
- Investigates injuries, exposures and damage to AFD vehicles and equipment
- Provide recommendations to improve employee safety by evaluating apparatus, equipment and facilities
COMMUNITY EDUCATION
FIRE PROGRAMS & SUPPORT
Assistant Chief Alex Boyd
The Anchorage Fire Department Training Division is responsible for...

• Translating strategic vision into Tactics and skills for field application
  • Select, train, and develop members
  • Impact quality assurance and improvement
  • Evaluation and deploy improvements in system efficiencies, operational safety, and equipment updates
SELECTION, TRAINING, AND DEVELOPMENT

- New hire firefighter selection and training
- Promotional training and selection
  - FF, Officer, Leadership, EMT advancement
- Succession support and development
  - Mentoring, outreach, national participation
- Continuous improvement model
  - Why do we do what we do, can we be better?
QUALITY ASSURANCE AND IMPROVEMENT

• Quality assurance and improvement
• Continuous review
  • Post incident reviews
  • Operational exercises
• Industry standards and best practices
  • NFPA, IAFC, IAFF, NFA
• Evolution and advancement of practice
  • New Ideas and equipment
DEPLOYMENT OF NEW IDEAS AND PROGRAMS

- New equipment
  - Anchorage 360
  - Motorola 6000
  - MSA G1

- New Programs
  - Anchorage CORE
  - Tactical Emergency Medical Support
  - Tactical Fire Support

- Succession planning and training
  - Fire Officer Development
OPERATIONS

Schedule

Communications
8:00 am – 8:00 pm
12 hours
4 days/3 days
40 hrs reg - 4 hrs ot

Line Operations
9:00 am to 9:00 am
24 hours
2912 hrs regular pay per year vs 2080 hrs for 40 hr staff
OPERATIONS

Minimum Daily Staffing

Communications
Dispatch – 4

Line Operations (98)
3 Battalion Chiefs
1 Safety Officer
20 Company Officers
2 EMS Support Vehicle
26 Apparatus Engineers
18 Firefighter – Paramedics
28 Firefighter - EMTs
OPERATIONS

Available units

Line Operations
3 Battalion Chiefs
1 Safety Officer
9 ALS ambulances
4 BLS ambulances
14 engines
1 rescue
5 aerial apparatus
5 tenders
FIRE AND EMS DISPATCH

First 1st responders
Provide instructions to the caller to initiate care prior to emergency responders arriving on scene.

- All 911 fire, rescue, emergency medical calls and radio communications within the MOA, including Chugiak and Girdwood.
- All Anchorage Safety Patrol calls and dispatching
- All private ambulance service requests and dispatching
# 2019 Dispatch Statistics

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<tr>
<th>2019</th>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
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<td>1,527</td>
<td>1,545</td>
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<td>1,495</td>
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<td>13 sec</td>
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<td>16 sec</td>
<td>15 sec</td>
<td>13 sec</td>
<td>13 sec</td>
<td>10 sec</td>
<td>11 sec</td>
<td>12 sec</td>
<td>13 sec</td>
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<tr>
<td>Resident/Building Fires in RMS</td>
<td>21</td>
<td>14</td>
<td>8</td>
<td>14</td>
<td>12</td>
<td>18</td>
<td>11</td>
<td>27</td>
<td>14</td>
<td>11</td>
<td>10</td>
<td>14</td>
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<tr>
<td>Fires including chimney fires</td>
<td>23</td>
<td>15</td>
<td>9</td>
<td>15</td>
<td>13</td>
<td>18</td>
<td>11</td>
<td>28</td>
<td>14</td>
<td>12</td>
<td>10</td>
<td>14</td>
<td>182</td>
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</table>
CITIZEN ASSISTS

Body Part Entrapped

Recreation Safety Evaluation

Alarm Battery Install

Fire Safety Concern

Locked in/out Residence

Animal Rescue

Locked in Vehicle

Structural Integrity Evaluation

Lift Assist

Water Problem - Inside

Tongue Frozen to Flagpole

Lift Assist >500 lbs
Medical
- Cardiac
  - Cardiac Arrest
  - Myocardial Infarction/STEMI
  - Chest pain/CHF
- Respiratory
  - Asthma
  - COPD
  - Overdose (Opiate, ETOH and others)
- Neurological
  - Stroke
  - Seizures
- General
  - Abdominal pain
  - Allergic reaction/Anaphylaxis

Trauma
- Blunt
  - MVA
  - Falls
  - Assaults
- Penetrating
  - MVA
  - GSW/Edged weapons
Definition of Patient

A patient is defined as:

• Anyone who makes a first party call to 911 for EMS,
• anyone who claims to have an illness or injury to whom we have responded or otherwise encountered,
• and anyone who on examination either by the significance of mechanism or findings may have an injury or illness.
Patient Status

• Code 99-Cardiac Arrest
• Status One- Unstable, immediate threat to life or limb.
• Status Two- Stable at this time, potential threat to life or limb.
• Status Three- Stable with no potential threat to life or limb.
The Medical Operations Manual (MOM)

- Advanced Life Support-Paramedic level MOM: 194 pages
- Basic Life Support-EMT level MOM: 73 pages
- ALS and BLS Providers are expected to have them memorized
- AFD EMS Providers work autonomously without hospital based Medical Control
### MICU Statistics - 09:00 to 09:00

<table>
<thead>
<tr>
<th>Unit</th>
<th>Total Runs</th>
<th>No Transport</th>
<th>With Transport</th>
<th>Accumulated Incident Time</th>
<th>PCR Time</th>
<th>Percentage of Utilization</th>
<th>Avail</th>
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Utilization

A 24 hour shift

- Active on calls: 29%
- PCR-Report writing time: 25%
- Checking Equipment: 3%
- Other: 9%
- Training: 6%
- Driving: 6%
- Decon/cleaning: 8%
- Sleep: 14%
- Checking Equipment: 3%
- Other: 9%
SPECIAL STATION ASSIGNMENTS/DUTIES

- GROUND LADDER TESTING – Station 5
- SEWING TEAM/TURNOUT PROCUREMENT & REPAIR – Station 7
- AIR RESOURCES TEAM – Station 8
- HASTE (HOSE/SMALL TOOLS AND EQUIPMENT) – Station 12
- UNIFORM PROCUREMENT & LABELLING – Station 15
SPECIAL OPERATIONS

HAZARDOUS MATERIALS TEAM – Station 1

DIVE RESCUE TEAM – Station 4

SWIFTWATER RESCUE TEAM – Station 11

FRONT COUNTRY RESCUE TEAM – Station 9

URBAN SEARCH & RESCUE TEAM – Station 3
HAZARDOUS MATERIALS TEAM

40 Team Members Across 3 Shifts at Station 1

The AFD Haz-Mat Team serves as the SouthCentral Alaska Haz-Mat Team

100 + Hours of additional training for certification with annual skill refresher requirements

Deployed throughout MOA
DIVE RESCUE TEAM

28 Divers Across Three Shifts at Station 4
SAFE BOAT Deployed from POA for Upper Cook Inlet
80 + Hours for initial Dive Certification & 100 + hours of annual currency training
DIVE RESCUE

Jet Ski Deployment

Ice Rescue
DIVE RESCUE / MUD RESCUE
SWIFT WATER RESCUE TEAM

28 Swift Water Rescue Technicians across three shifts at Station 11

Primary deployment area is Eagle River

60 Training hours for initial certification and 20 hours of annual currency training
FRONT COUNTRY RESCUE AND HIGH ANGLE RESCUE

18 Rope Technicians Across Three Shifts at Station 9
Equipment and Team is deployed from Station 9
40 + Hours for initial Technician Certification & 24 hours of annual currency training
URBAN SEARCH & RESCUE – TRENCH, STRUCTURAL COLLAPSE AND CONFINED SPACE

18 US&R Technicians across three shifts at Station 3
Primary deployment area is MOA
160 Training hours for initial certification and 48 hours of annual currency training
URBAN SEARCH AND RESCUE

Structural Collapse Rescue

Confined Space Rescue
The AFD Maintenance Shop is responsible for maintenance and repair of all MOA vehicles utilized by AFD, CVFRD and GFD.

Staff
- 1 Lead Mechanic
- 1 Logistics Specialist
- 7 Mechanics

Fleet
- 86 light duty vehicles
- 80 heavy duty vehicles
The AFD Data Systems team employs technology to support the emergency response mission of AFD, CVFRD and GFD.

This includes hardware, software and applications, for example: During the COVID-19 initial outbreak, they designed and implemented a screening system that allows our paramedics to remotely screen patients suspected of COVID within a 2 week window.

Data Systems staff are available 24/7 to ensure our critical infrastructure* is working.

* 911, Computer Aided Dispatch (CAD), dispatching, mapping, recording of communications, radio communications, response asset location, FirstNet, etc...
DATA SYSTEMS

Staff
- 1 Systems Analyst Supervisor
- 3 Systems Analysts

Devices
- Mobile Devices (iPhone, iPad, Modems) 350
- Apparatus Computers 118
- Desktops/Laptops 332
- Servers 104

Applications
- Major Applications 19
- AFD Custom Built Applications 50
- FileMakerPro Applications 30
- AFD Intranet
FUTURE CAPITAL PROJECTS

Areawide -
  Transition to Re-Boxing of Ambulances to reduce cost
  Communication systems maintenance/upgrades

Anchorage Fire Service Area –
  Four station/facility replacements/moves (Shop, 12, 11, 8,10)
  Heavy apparatus replacement cycle
  Regional Training Center upgrades
  Facilities maintenance/upgrades
This is your Fire Department

Anchorage Fire Department

Video Credit to Lead Dispatcher Julie Condell
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