



AMERICAN CANYON FIRE PROTECTION DISTRICT



2017 ANNUAL REPORT

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MISSION STATEMENT

Our mission is to provide reliable and progressive emergency response while seeking opportunities to make a positive difference in the lives of the people and the community we serve.

Vision

Our 2020 vision is to be an exceptional organization delivering high quality services utilizing sustainable best practices. We will continuously improve and grow with the community as a positive, healthy and cohesive team.

Core Values

Mutual Respect

Integrity

Responsibility

Empathy

Kindness

Empowerment

Dedication

Adaptable

Transparency

Professionalism



AMERICAN CANYON FIRE PROTECTION DISTRICT

GLEN E WEEKS
FIRE CHIEF

911 DONALDSON WAY, EAST
AMERICAN CANYON, CA. 94503
Phone 707-551-0650 Fax 707-642-0201

Blake Lawson
Assistant Fire Chief

March 6, 2018

Leon Garcia, Chairman
Kenneth Leary, Vice-Chair
Mariam Aboudamos, Board member
Mark Joseph, Board member
David Oro, Board member

Mr. Chairman and Members of the Board,

On behalf of all of the members of the American Canyon Fire Protection District, I am pleased to present you with the 2017 Annual Report.

This document reports on the American Canyon Fire Protection District activities for the calendar year from January 1, 2017 through December 31, 2017.

We responded to 1835 total incidents in the 2017 calendar year. District personnel also responded to 12 major wildland fires throughout the State of California in 2017. Most notably of course was the "Southern LNU Complex" also known as the "Napa Fire Storm" which required "all hands on deck" from October 8 – Oct 21. This event exemplified the dedication and commitment of all of the staff of the organization and makes me very proud to have the opportunity to serve alongside them.

It is truly a privilege to serve the community and visitors of American Canyon. Our members are committed to providing service with excellence. We feel that we do a lot with a little and will continue to be creative in continuously finding ways to improve while maintaining financial stability. The achievements presented to you in this report demonstrate our commitment to serve our community with pride and excellence!

Sincerely,

A handwritten signature in blue ink, appearing to read "Glen E. Weeks".

Glen E. Weeks
Fire Chief

2017 American Canyon Fire Protection District Personnel



Martha Banuelos
*Fire Executive Assistant/
Office Administrator*



Glen E. Weeks
Fire Chief



Blake Lawson
Assistant Fire Chief



Kameryn Ray
Administrative Clerk I



Ron Prettyman
*Captain
Paramedic*



Dave Medina
Captain



Matt Churchman
*Captain
Paramedic*



Jamie Bryant
Captain



Jose Martin
Captain



Josh Cordeiro
*Captain
Paramedic*



Kent Barnes
Firefighter/Paramedic



Mark Cia
Firefighter



Max Etchieson
Firefighter/Paramedic



Kenneth Diede
Firefighter



Eric Costello
Firefighter/Paramedic



Chad Pilkington
Firefighter/Paramedic



Chris Bartow
Firefighter/Paramedic



Robert Rojas
Firefighter



Maksim Matushevskiy
Firefighter



Ryan Crane
Firefighter



Shanon Shaw
Firefighter/Paramedic



Euclid Abalos
Firefighter

FIRE ADMINISTRATION

➤ Administrative Projects Completed in 2017

District Board Actions 2017

- Safer Grant Letter of Support; February 2, 2017; *Minute Order 2017-01 and Staff Report*
- Adopt the Emergency Operations Plan, February 27, 2017; *Resolution 2017-01 and Staff Report*
- Approved Mid-Year Budget Amendments for Fiscal Year 2016-2017, March 7, 2017; *Resolution 2017-02 and Staff Report*
- Adopt a Fund Balance/Reserve Policy, March 7, 2017; *Resolution 2017-03 and Staff Report*
- Receive and File the 2016 Annual Report; March 21, 2017; *Staff Report and Receive and File Annual Report*
- Execute JPA with the County of Napa for participation in the Beyond Lucid Technologies Electronic Patient Care Reporting (“ePCR”) system, April 18, 2017; *Resolution 2017-04 and Staff Report*
- Approve write off of uncollectible fire service fees, May 30, 2017; *Resolution 2017-05 and Staff Report*
- Extend an agreement for consulting services between the District and Kenneth R. Campo, CPA, May 30, 2017; *Resolution 2017-06 and Staff Report*
- Adopt a Resolution approving the annual appropriations limit for FY2017-2018, May 30, 2017; *Resolution 2017-07 and Staff Report*
- Adopt the Preliminary Budget for FY2017-2018, May 30, 2017; *Resolution 2017-08 and Staff Report*
- Approve an increase to the District Fire Service Fee special tax by the cost –of–living increases, consistent with District Ordinance 2013-01; May 30, 2017, *Resolution 2017-09 and Staff Report*
- Approve the appointment of Gene Sullivan to the Fire Service Fee Board of Review; May 30, 2017; *Minute Order 2017-03 and Staff Report*

- Approve Amendment #2 to the Cooperative Joint Powers Dispatching Services Agreement between the City of Napa and the Fire District to continue the administration and operation of centralized emergency response dispatching services; May 30, 2017; *Minute Order 2017-02 and Staff Report*
- Approving an increase in Mitigation Fees for FY2017-2018 by the change in the CPI by 3.8%; June 20, 2017; *Resolution 2017-10 and Staff Report*
- Adopt a Resolution confirming Fire Assessments for \$617,966.89 for FY2017/2018; June 20, 2017; *Resolution 2017-11 and Staff Report*
- Amendment #3 to the Employment Agreement between the American Canyon Fire Protection District and Fire Chief Glen E. Weeks; July 18, 2017, *Staff Report*
- Amendment #3 to the Employment Agreement between the American Canyon Fire Protection District and Assistant Fire Chief Blake Lawson; July 18, 2017, *Staff Report*
- Proclamation to commend Reserve Firefighter Charles Mallorca; August 29, 2017; *Proclamation*
- Badge Pinning Ceremony and Swearing In of new Firefighter; August 29, 2017; *Presentation*
- Review of Monthly Financial Report for June 30, 2017 and Fiscal Summary for Fiscal Year 2016/2017; August 29, 2017; *Staff Report*
- Fix the Employer contribution at an equal amount for Employees and Annuitants and the Public Employees' Medical and Hospital Care Act; August 29, 2017; *Resolution 2017-12 and Staff Report*
- Acceptance of Grant from FEMA for the purchase of a replacement heavy rescue fire apparatus; August 29, 2017; *Resolution 2017-14 and Staff Report*
- Purchase Agreement with Pierce to purchase a replacement Heavy Rescue Fire Apparatus; August 29, 2017; *Resolution 2017-13 and Staff Report*
- Fire Service Fee Board of Review; August 31, 2017; *Public Hearing*
- Adopt the final Operating and Capital Budgets for Fiscal Year 2017-2018; September 5, 2017; *Resolution 2017-15 and Staff Report*
- Acknowledgement of Firefighter efforts during the recent Napa and Sonoma County Fire Emergencies; November 28, 2017 *Presentation*

- Approve the purchase of up to 18 sets of structural firefighting turnouts, November 28, 2017; *Resolution 2017-16 and Staff Report*

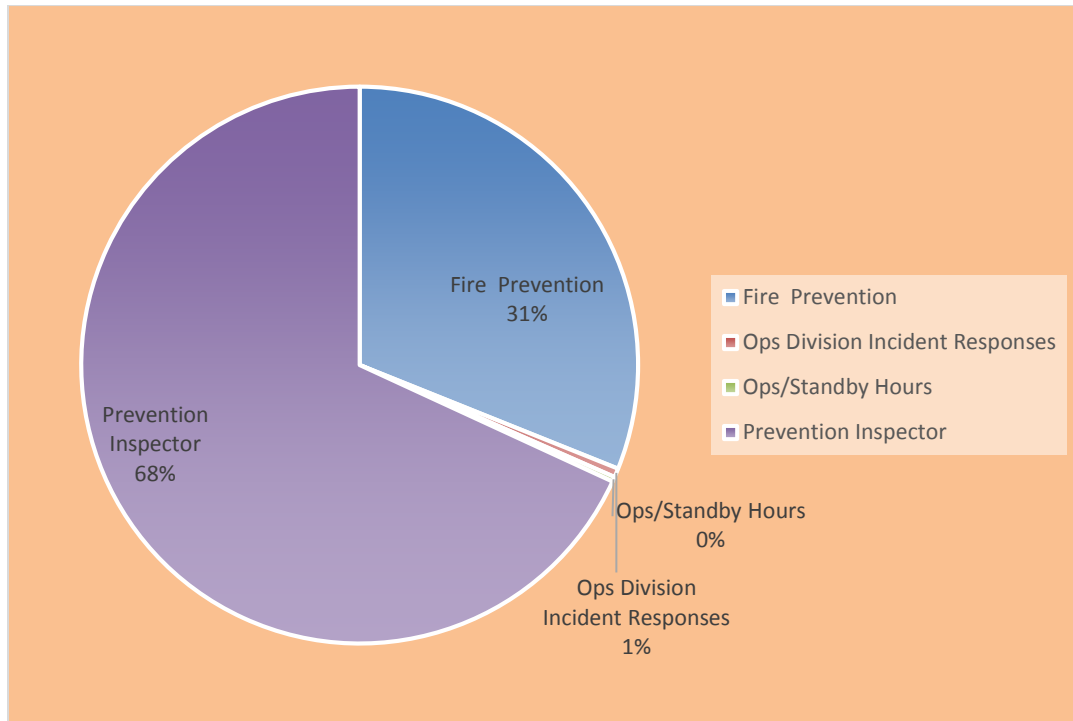
Additional Administrative Tasks Completed in 2017

- ✓ Attend FASIS Board Meetings
- ✓ Attend LAWCX Board Meetings



*November 28, 2017 City Council/Board Meeting
Acknowledging the American Canyon Fire Protection Firefighters for
their efforts in the Southern LNU Complex Fire*

American Canyon/Napa JPA Summary 2017



Fire Prevention	\$ 36,403.24
Ops Division Incident Responses	\$ 606.98
Ops/Standby Hours	\$ 331.08
Prevention Inspector	\$ 79,820.00

Total \$ 117,161.30

 Fire Department Human Resources 2017

New Members of the Team:

Firefighter Euclid Abalos

March 23, 2017



Firefighter Robert Rojas

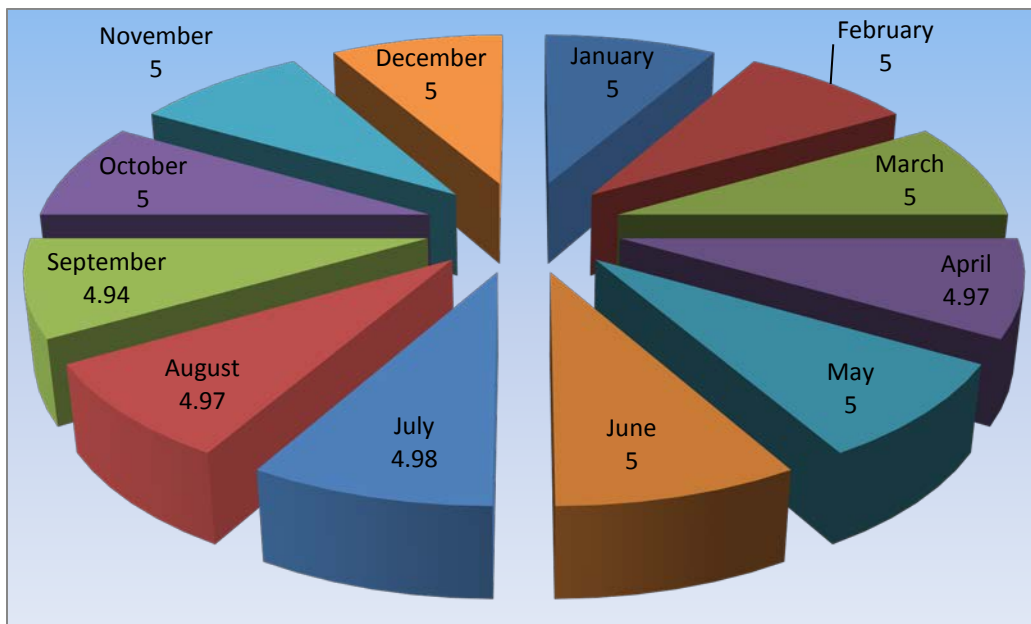
November 6, 2017



Average Customer Service Rating

Month	Total Surveys Mailed	Total Surveys Returned	Total Avg. Rating
January	30	10	5
February	21	7	5
March	25	6	5
April	26	7	4.97
May	23	5	5
June	15	2	5
July	25	9	4.98
August	25	7	4.97
September	16	3	4.94
October	23	7	5
November	16	1	5
December	18	7	5
Totals	263	71	4.98

The Fire District sent out 263 Customer Service Surveys and received 71 responses. We ask the citizens to rate the quality of service, 5= Excellent, 4 =Good, 3 + Adequate, 2 = poor, and 1 + unsatisfactory. The average rating was 4.98.



FIRE OPERATIONS

Overview

The Operations Division delivers all of the American Canyon Fire Protection District emergency response services and plays an important part in delivering many other non-emergency services. There are a total of 20 employees and up to 10 reserves assigned to this division (including the Fire Chief and Assistant Fire Chief). Currently 18 career and 4 reserve emergency response personnel are divided into three operations “shifts” (A, B and C-Shift). Each of those shifts is managed by the “Duty Chief.”

Emergency response personnel are deployed from one fire station located centrally within the Fire District. The District serves a population of approximately 20,000 people located within the approximately 8 square miles of the Fire Protection District which includes the City of American Canyon as well as an unincorporated area of Southern Napa County.

The District prides itself in offering excellent emergency response to a variety of incidents, which include; fires, medical emergencies, hazardous material releases, and specialized rescue situations. This is accomplished through the efforts of our minimum daily shift staffing of 4 career emergency response personnel (as of 02/01/08) and a maximum of 10 reserve firefighters. Shift personnel work a 48 hours on - 96 hours off schedule which is an average of a 56 hour work week. The Fire Chief and Assistant Fire Chief work a minimum 40 hour week and share duties as the on-call “Duty Chief” on a 24-7 basis.

Current Career Staffing

A Shift

Engine 11
 Captain
 Firefighter
 Firefighter/Paramedic

Engine 211
 Captain/Paramedic
 Firefighter (vacant 12/17)
 Firefighter/Paramedic

B Shift

Engine 11
 Captain
 Firefighter
 Firefighter/Paramedic

Engine 211
 Captain/Paramedic
 Firefighter (vacant 12/17)
 Firefighter/Paramedic

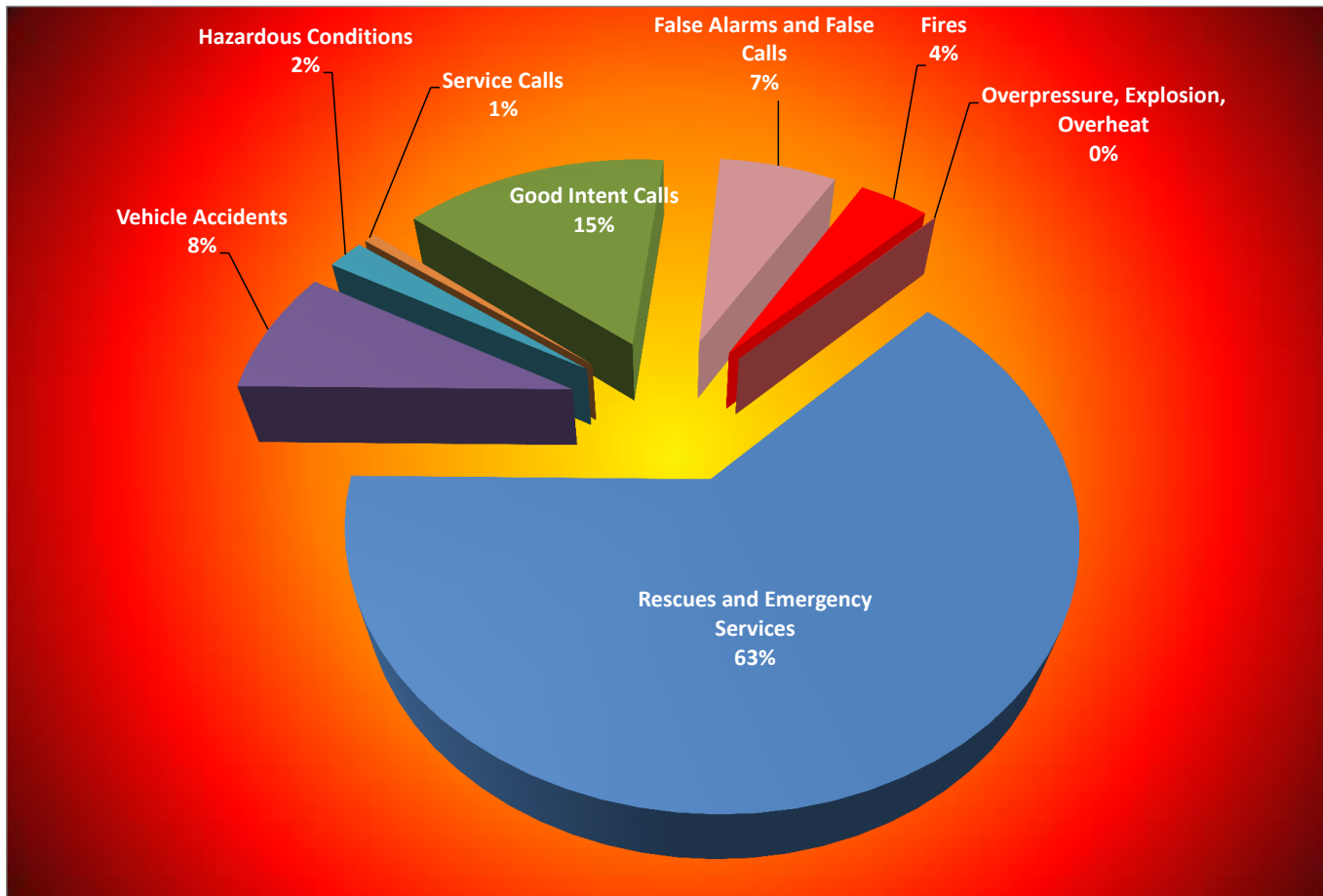
C Shift

Engine 11
 Captain
 Firefighter
 Firefighter/Paramedic

Engine 211
 Captain/Paramedic
 Firefighter
 Firefighter/Paramedic

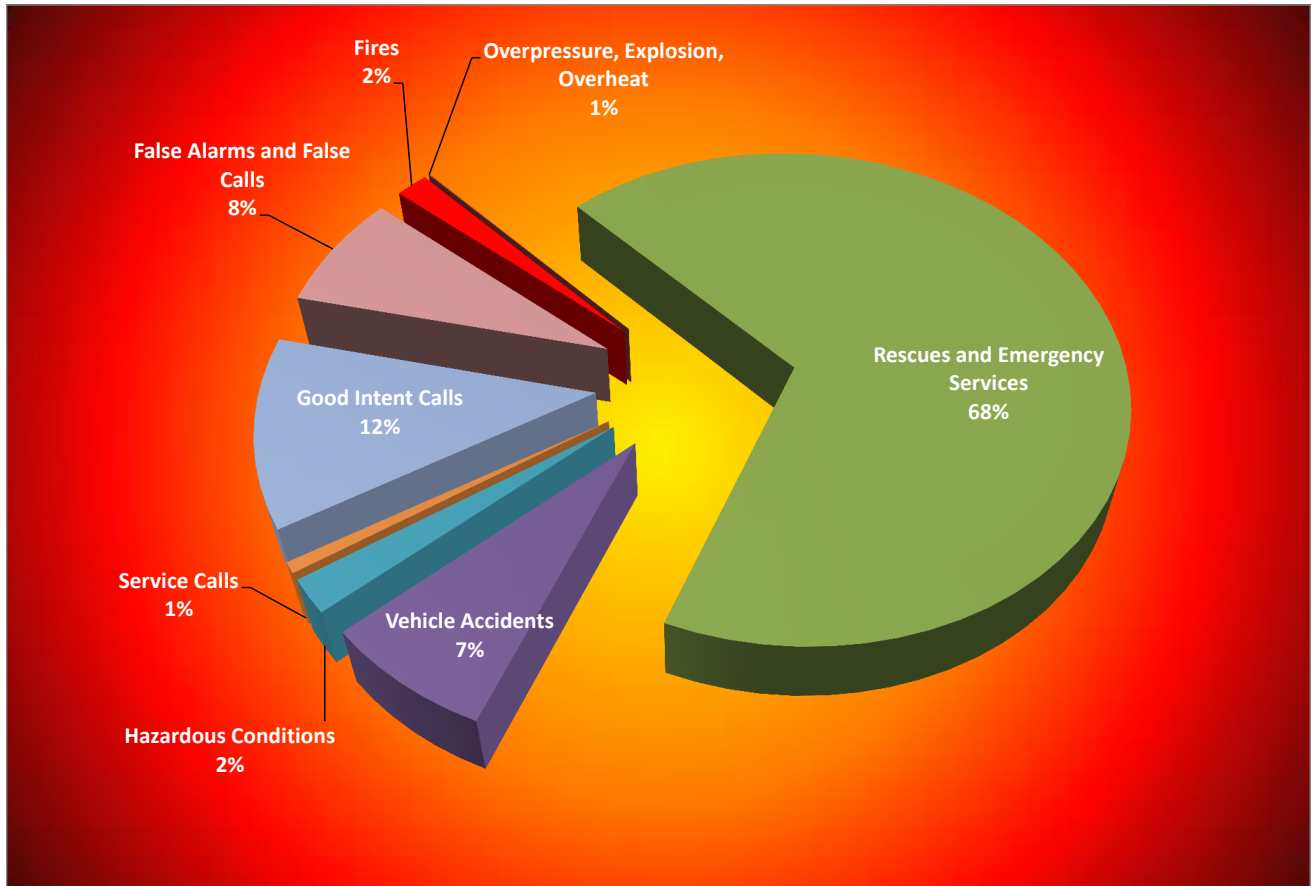


All Emergency Incidents Responded to by American Canyon Fire Protection District in 2017



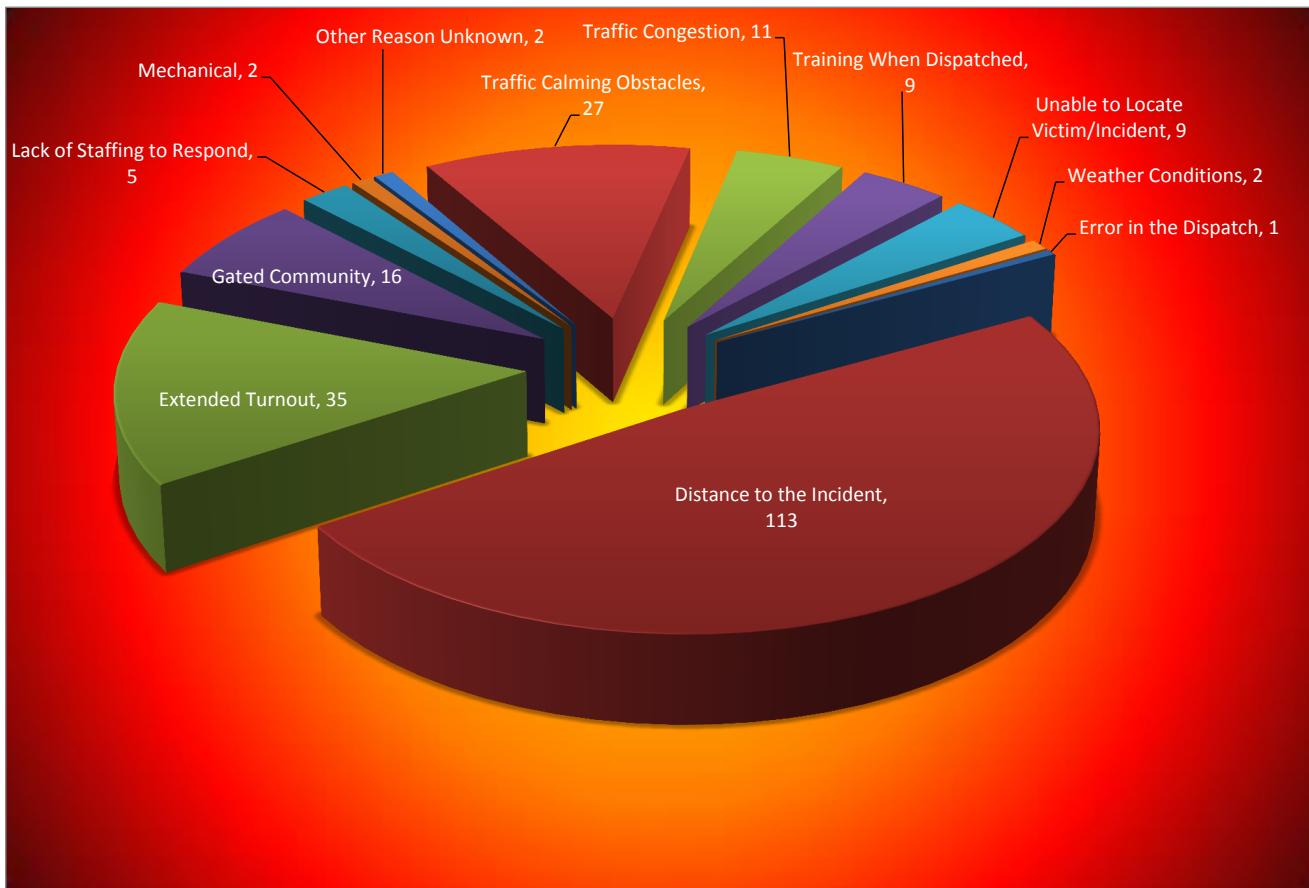
Fires	65
Overpressure, Explosion, Overheat	1
Rescues and Emergency Services	1008
Vehicle Accidents	131
Hazardous Conditions	33
Service Calls	11
Good Intent Calls	247
False Alarms and False Calls	110
Total Emergency Calls	1606
Nonemergency Calls	229
Total Number of Incidents	1835

2017 Emergency Incidents in American Canyon Fire Protection District



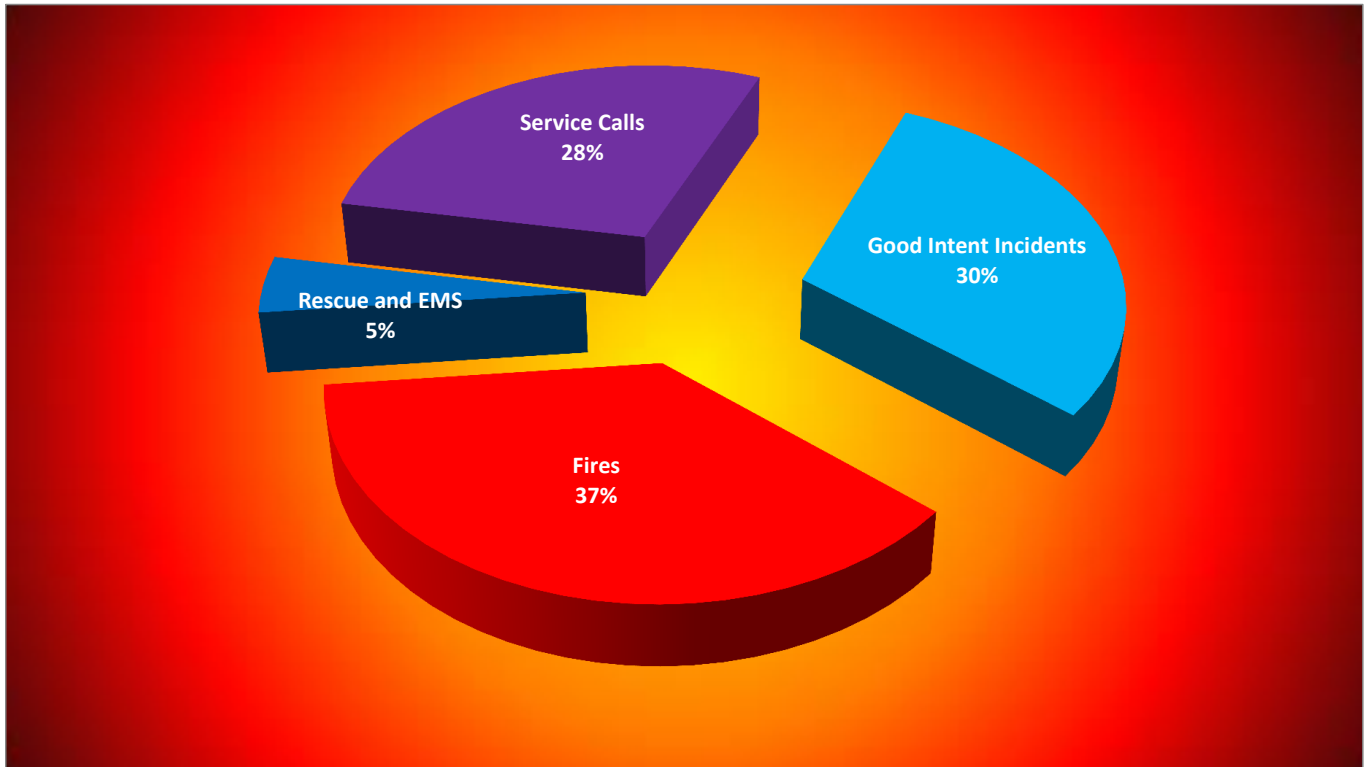
Fires	26
Overpressure, Explosion, Overheat	1
Rescues and Emergency Services	992
Vehicle Accidents	108
Hazardous Conditions	31
Service Calls	10
Good Intent Calls	176
False Alarms and False Calls	110
Total Emergency Calls	1454
Nonemergency Calls	176
Total Number of Incidents	1630
Number of Responses Over 5 Minutes	232
Percentage of Responses in 5 Minutes or Less	82%

Reason for Delayed Responses in 2017



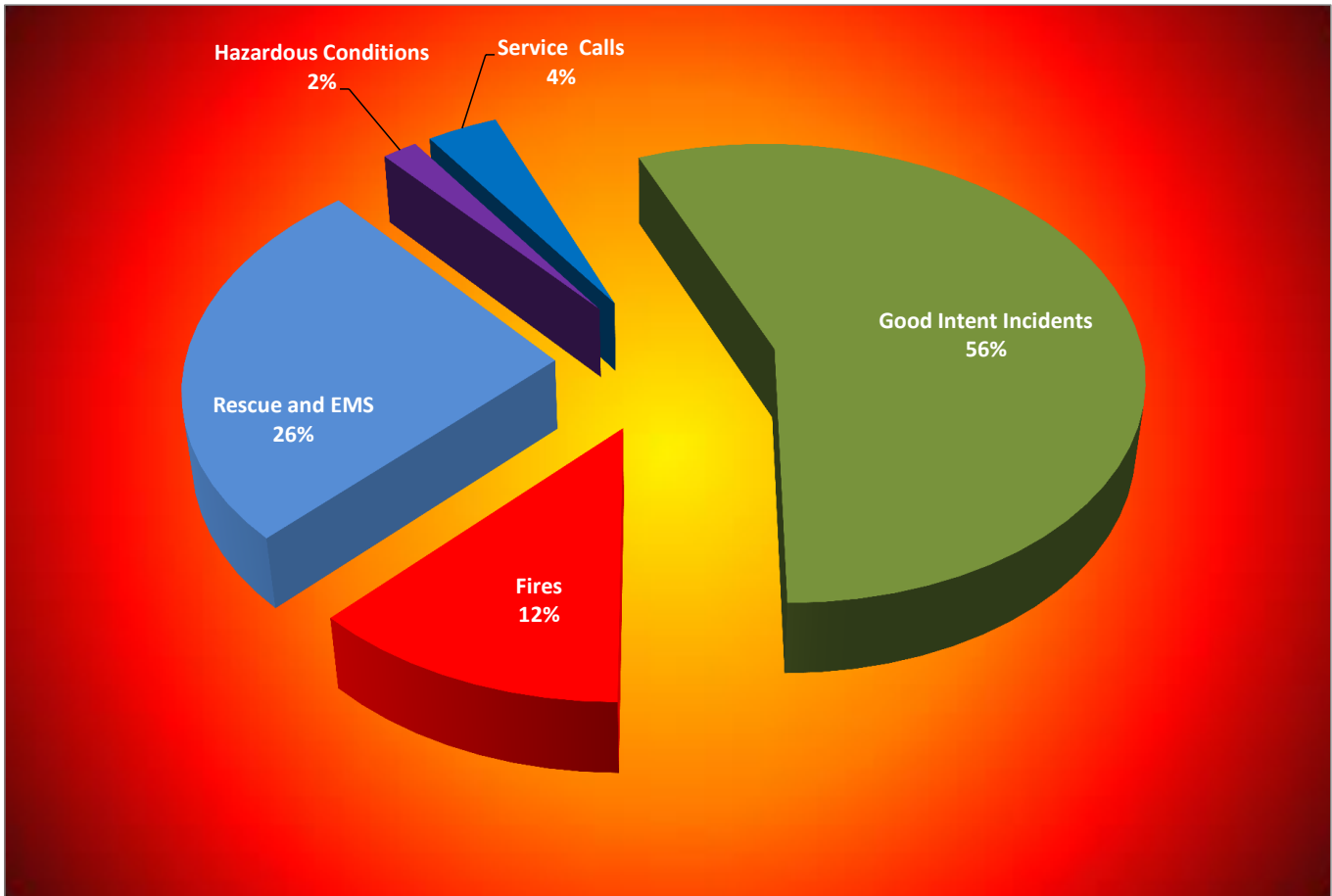
5 to 6 Minute Response	128
6 to 7 Minute Response	54
7 to 8 Minute Response	29
8 to 9 Minute Response	10
9 to 10 Minute Response	4
10 Minute or Greater Response	7
Total	232

Responses to the City of Vallejo by American Canyon in 2017

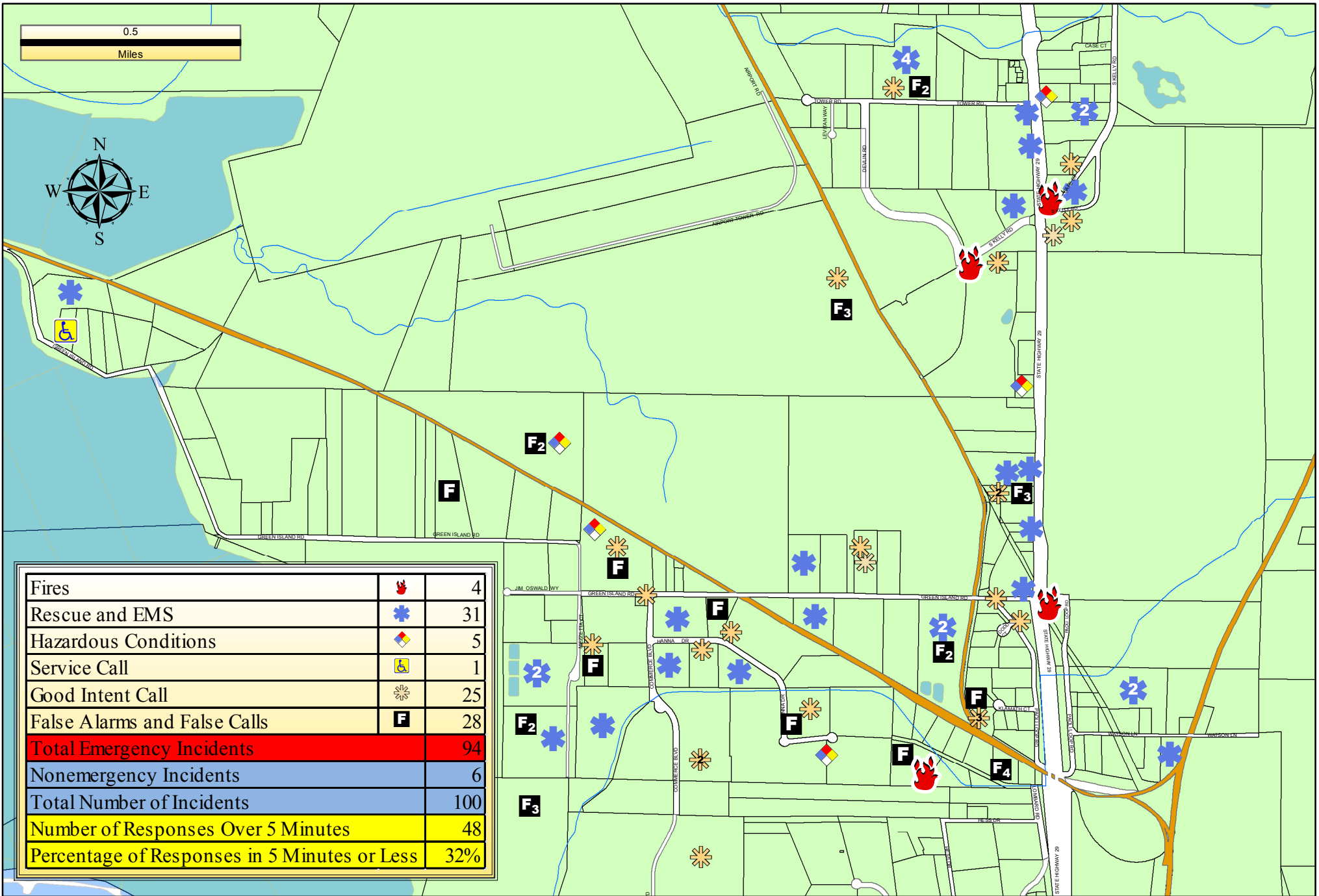


Fires	25
Rescue and EMS	3
Service Calls	19
Good Intent Incidents	20
Total Number of Incidents	67

Responses to Napa County by American Canyon in 2017



Fires	14
Rescue and EMS	30
Hazardous Conditions	2
Service Calls	4
Good Intent Incidents	64
False Alarms and False Calls	1
Total Number of Incidents	115

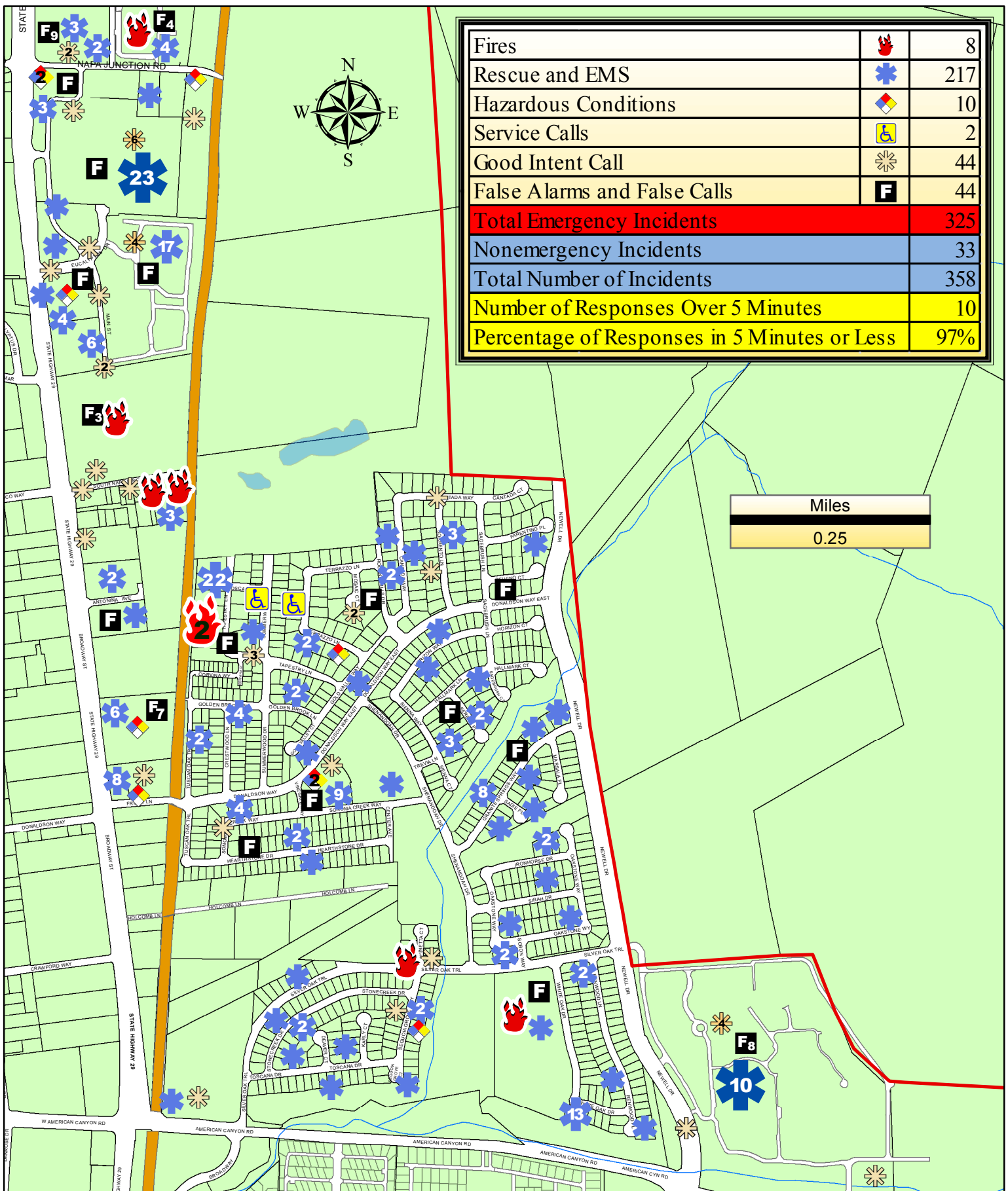


Industrial Area

Incident Responses in 2017

Map icons are intended to illustrate a general representation of incident responses but do not necessarily represent the actual location of a response or all responses. Good Intent Calls include incidents in which units responded but did not arrive, and are there for not calculated in response times










North East Residential Neighborhood

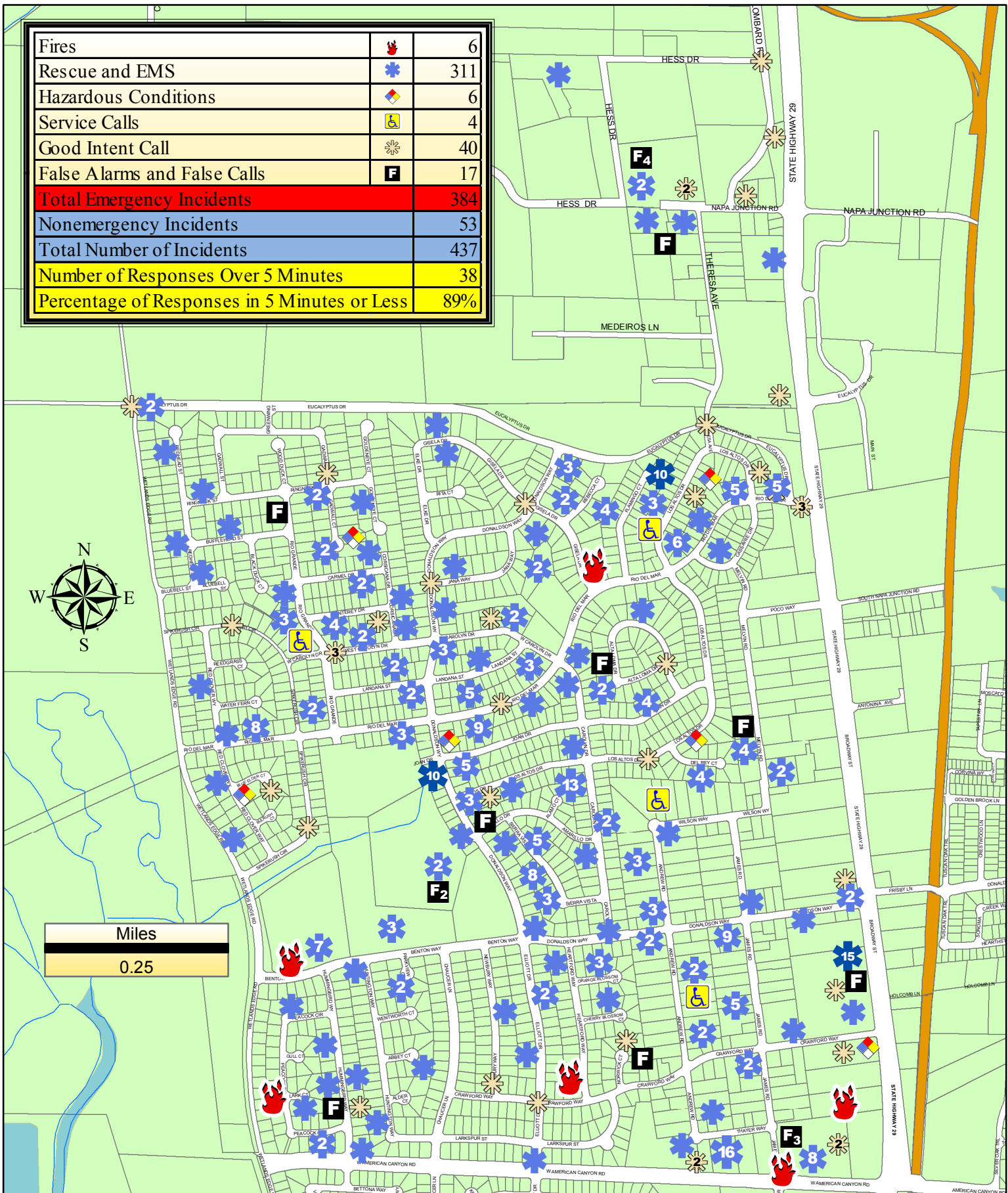
Incident Responses in 2017

Map icons are intended to illustrate a general representation of incident responses but do not necessarily represent the actual location of a response or all responses.

Good Intent Calls include incidents in which units responded but did not arrive, and are there for not calculated in response times



Fires		6
Rescue and EMS		311
Hazardous Conditions		6
Service Calls		4
Good Intent Call		40
False Alarms and False Calls	F	17
Total Emergency Incidents		384
Nonemergency Incidents		53
Total Number of Incidents		437
Number of Responses Over 5 Minutes		38
Percentage of Responses in 5 Minutes or Less		89%



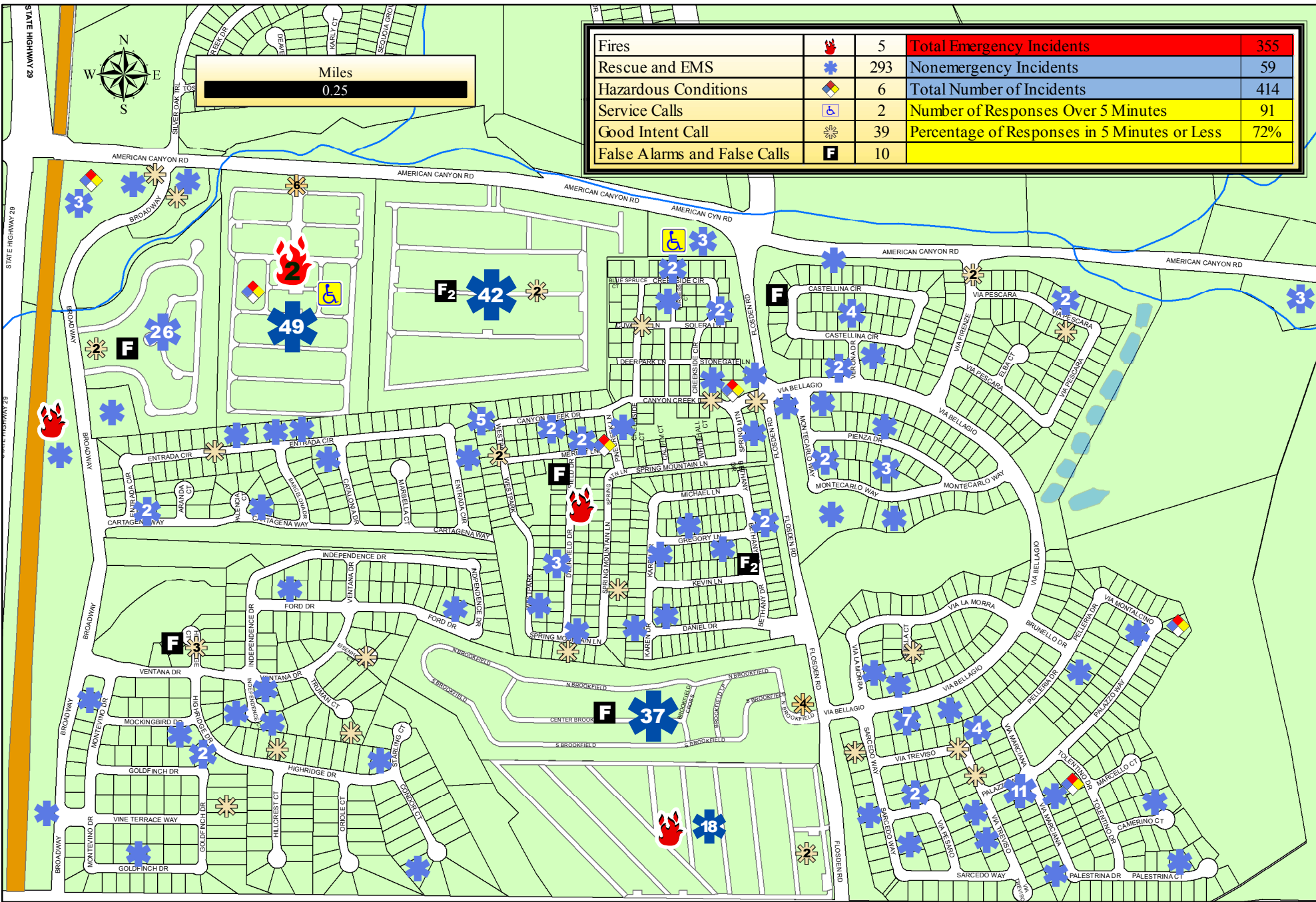
North West Residential Neighborhood

Incident Responses in 2017

Map icons are intended to illustrate a general representation of incident responses but do not necessarily represent the actual location of a response or all responses.

Good Intent Calls include incidents in which units responded but did not arrive, and are there for not calculated in response times



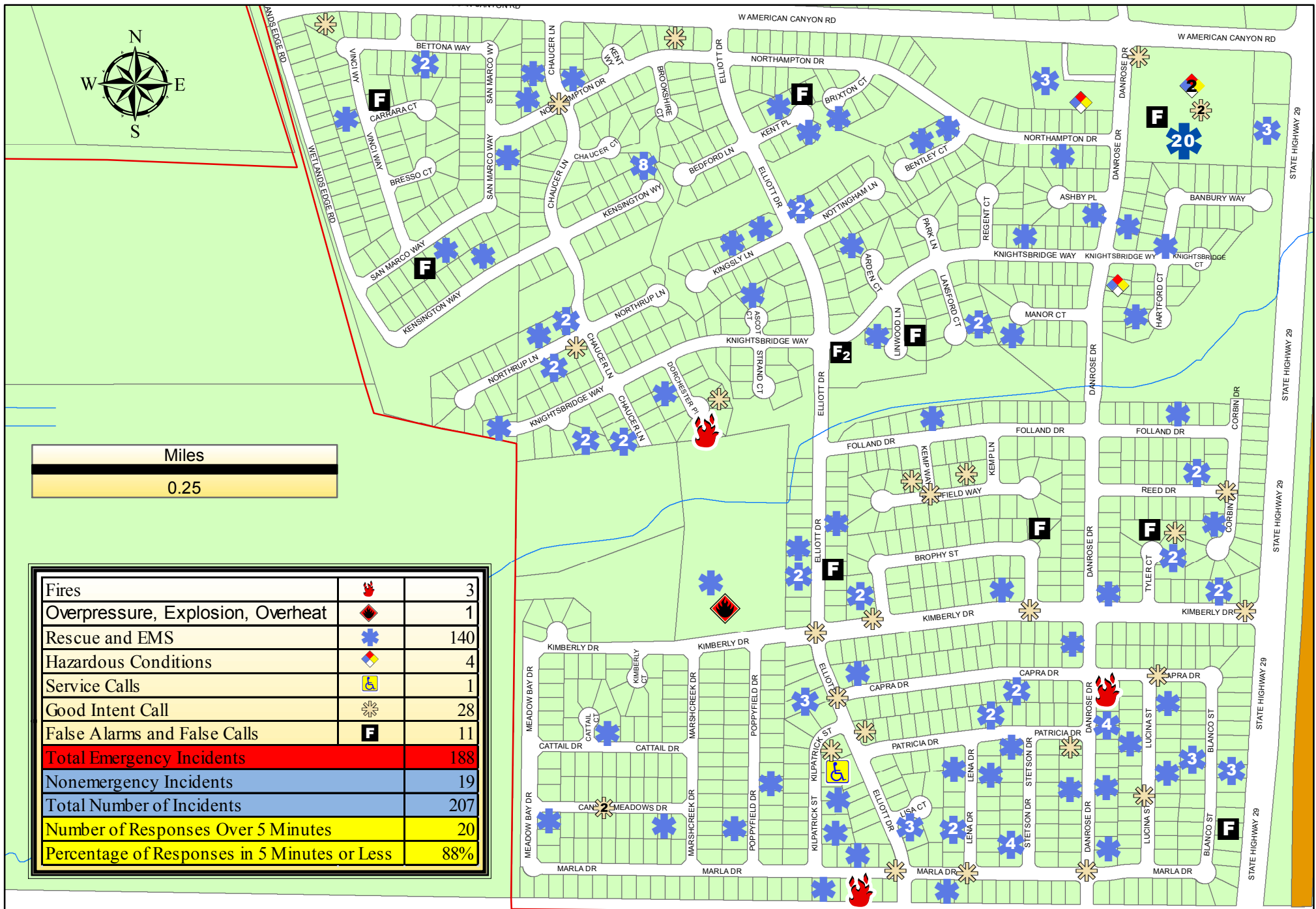


South East Residential Neighborhood

Incident Responses in 2017



*Map icons are intended to illustrate a general representation of incident responses but do not necessarily represent the actual location of a response or all responses. Good Intent Calls include incidents in which units responded but did not arrive, and are there for not calculated in response times



South West Residential Neighborhood

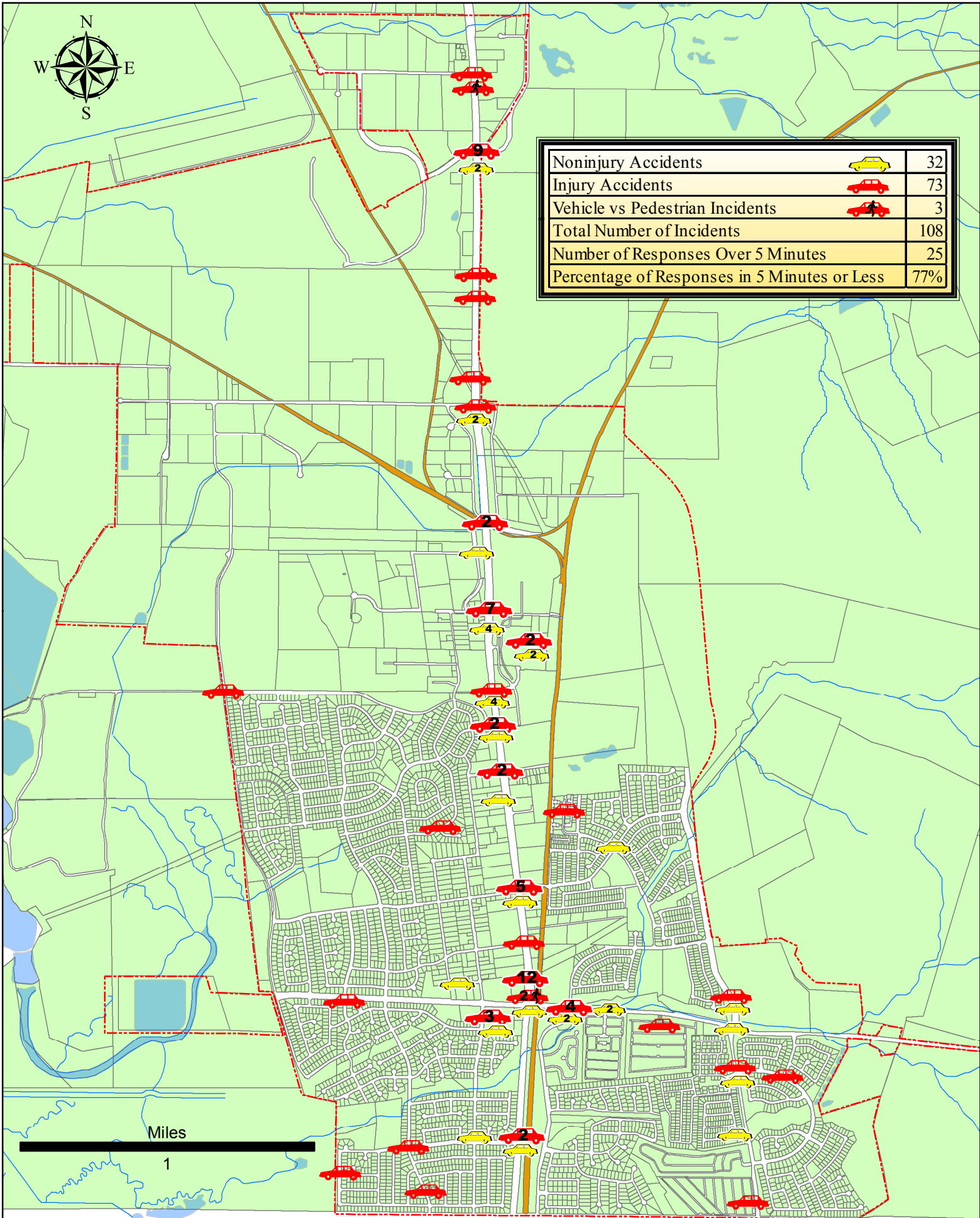
Incident Responses in 2017

Map icons are intended to illustrate a general representation of incident responses but do not necessarily represent the actual location of a response or all responses. Good Intent Calls include incidents in which units responded but did not arrive, and are there for not calculated in response times.





Noninjury Accidents		32
Injury Accidents		73
Vehicle vs Pedestrian Incidents		3
Total Number of Incidents		108
Number of Responses Over 5 Minutes		25
Percentage of Responses in 5 Minutes or Less		77%

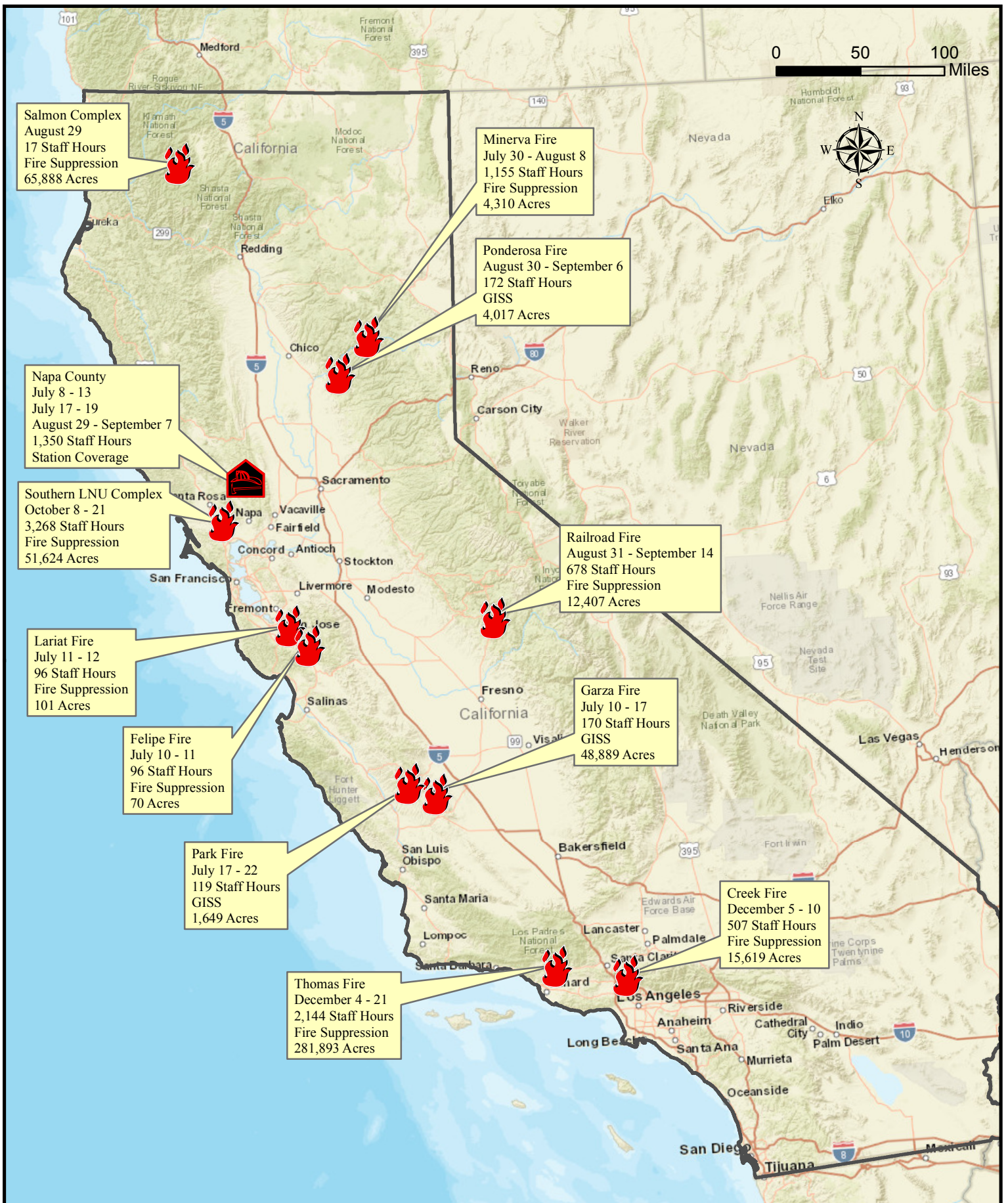


Vehicle Accidents

Incidents in 2017



*Map icons are intended to illustrate a general representation of incident responses but do not necessarily represent the actual location of a response or all responses.



2017 California State Mutual Aid Responses



 **Statewide Mutual Aid Strike Team Deployments 2017**

Date	Incident	Unit Assigned	Staffing
07/08-7/13/17	July Cover (LNU)	E-411	4
7/10 -7/11/17	Felipe (LNU)	E-411	4
7/10-7/17/17	Garza (Overhead)	GIS Technical Specialist	1
7/11-7/12/17	Lariat (LNU)	E-411	4
7/17-7/19/17	July Cover (LNU)	E-211	4
7/17-7/22/17	Park	GIS Technical Specialist	1
7/30-8/8/17	Minerva	Strike Team Leader	1
7/30-8/8/17	Minerva	E-411	4
8/6 -8/7/17	Minerva	Crew Rotation	4
8/29 -9/7/17	Cover LNU	E-411	4
8/30 -9/6/17	Ponderosa	GIS Technical Specialist	1
8/29/2017	Salmon August Complex	SOFR	1
8/31-9/14/17	Railroad	WT-11	2
9/7-9/8/17	Railroad	Crew Rotation WT-11	2
10/8-10/16/17	So. LNU Complex	E-311	3
10/8-10/16/17	So. LNU Complex	E-411	4
10/8-10/17/17	So. LNU Complex	E-211	3
10/8-10/19/17	So. LNU Complex	C1101	1
10/8-10/21/17	So. LNU Complex	WT-11	2
12/5-12/10/17	Creek	E-411	4
12/8-12/21/17	Thomas	SOFR	1
12/10-12/19/17	Thomas	E-411	4
12/14/17	Thomas	Crew Rotation	4



Engine- 211 at the LNU Southern Complex

FIRE OPERATIONS

Emergency Medical Services

The American Canyon Fire Protection District is an Advanced Life Support (“ALS”) first responder. The District staffs a minimum of one Paramedic qualified firefighter on an engine equipped with a full complement of ALS equipment, 24-7. The District currently has a total of nine (9) licensed and accredited Paramedics on staff.

The District participates in a Public/Private Agreement with the Napa County ambulance franchise holder American Medical Response (“AMR”). The District and AMR work together in order to provide the best possible patient care in the District and this partnership enhances the level of emergency medical service county-wide. Through the agreement, AMR provides:

- Medical Direction and Quality Assurance
- Additional EMS Training
- EMS Supply Re-stock
- Surge (back-up) Ambulance
- Annual Re-imbursement for ALS service (\$40,000) which provides AMR with a 25% increase in response time performance

The District:

- Actively participates in Napa County EMS stakeholders meetings to stay updated on regional EMS contractual issues
- Participates on the “EMS Advisory Committee” to support the Napa Valley College in its endeavor to provide local Emergency Medical Service Education
- Actively participates on the following Napa County EMS committees:
 - Medical Advisory Committee (“MAC”)
 - Continuous Quality Improvement Committee
 - Continuous Quality Improvement Sub Committee
 - Napa County Trauma Care Committee
 - Napa County Sudden Cardiac Arrest Care Committee
 - Public Information & Education Committee (“PIE”)



EMS Incidents - Chief Complaint

01/01/2017 to 12/31/2017

Abdominal pain	58
Airway obstruction	4
Allergic reaction, excludes stings & venomous bit	6
Altered level of consciousness	109
Behavioral - mental status, psychiatric disorder	34
Burns	1
Cardiac arrest	5
Cardiac dysrhythmia	4
Chest pain	71
Diabetic symptom	25
General illness	128
Hemorrhaging/bleeding	9
Hypothermia	1
None/no patient or refused treatment	30
Obvious death	5
Other impression/assessment	172
Overdose/poisoning	21
Pregnancy/OB	3
Respiratory distress	114
Seizure	35
Sting/bite	2
Stroke/CVA	8
Syncope, fainting	37
Trauma	229
Unresponsive / Unconscious	25



EMS INCIDENTS - PROCEDURES USED

01/01/2017 to 12/31/2017

IV Established	82
IO Established	11
Assist Ventilation	7
Blood Glucose Check	318
Burn Case	3
Advanced Airway Established	5
Breathing Treatment	34
Chest / Abdominal Thrust	0
CPR Manual	7
CPR Lucas Device	10
Defibrillation by AED	2
12 Lead EKG	190
Extrication	8
Medication Given via IV or IO	42
Medication Given via IM or SQ	2
Medication Given via PO	59
Medication Given via Other Method	12
Needle Cricothyroidotomy	0
OB Care / Delivery	0
Chest Decompression	0
Restrained Patient	0
Spinal Immobilization	25
Splint Extremities	10
Suction / Aspiration	6
CPAP	8
Number of Basic Life Support Procedures Performed	78
Number of Advanced Life Support Procedures Performed	763

Urban Search & Rescue (US&R)

The District has the capability to handle different types of rescue situations requiring specialized equipment and training. The most frequent type of rescue emergency involves extricating people who are trapped in vehicles as the result of traffic accidents with hydraulic rescue tools. The District also maintains a team of personnel who are specially trained to conduct rescue activities in permit-required confined spaces, structural collapses, trench collapses, and low and high angle rescue. This is referred to as “Urban Search and Rescue” (“US&R”). The US&R team trains regularly with fire department personnel from other agencies within Napa County as a participant in the “Napa Interagency Rescue Team” (“NIRT”). The District also has two inflatable rescue boats (“IRB”) and US&R team members are boat rescue and swift/flood water rescue qualified.

2017 Urban Search & Rescue Training

Date	Topic	Drill Hours Possible Per Team Member
01/18/17	Lifting and Moving Heavy Objects	3
02/21/17	Ladder Rescue Systems	3
03/15/17	Confined Space Operations	3
04/19/17	Trench Rescue Operations	9
05/16/17	Boat Operations	8
06/11/17	Water Rescue Skills	3
07/19/17	High Angle Rope Rescue Operations	3
08/15/17	Concrete Breaching	3
9/19/17	Structural Collapse Shoring	3
10/24/17	Metal Cutting/Concrete Breaching	3
11/21/17	Structural Collapse Shoring	3
12/15/17	US&R Business/Planning Meeting	3



FIRE TRAINING

Overview

The training function of the American Canyon Fire Protection District supports our goal of recruiting, hiring, and retaining only the best people and supporting them through the development and maintenance of their knowledge, skills, and abilities.

Training Division Mission

“To provide all American Canyon Fire Protection District personnel with professional, state-of-the-art training in all aspects of their jobs in order to maximize an efficient and effective delivery of service while focusing on maximum safety and effectiveness in emergency operations”.

Training Goals

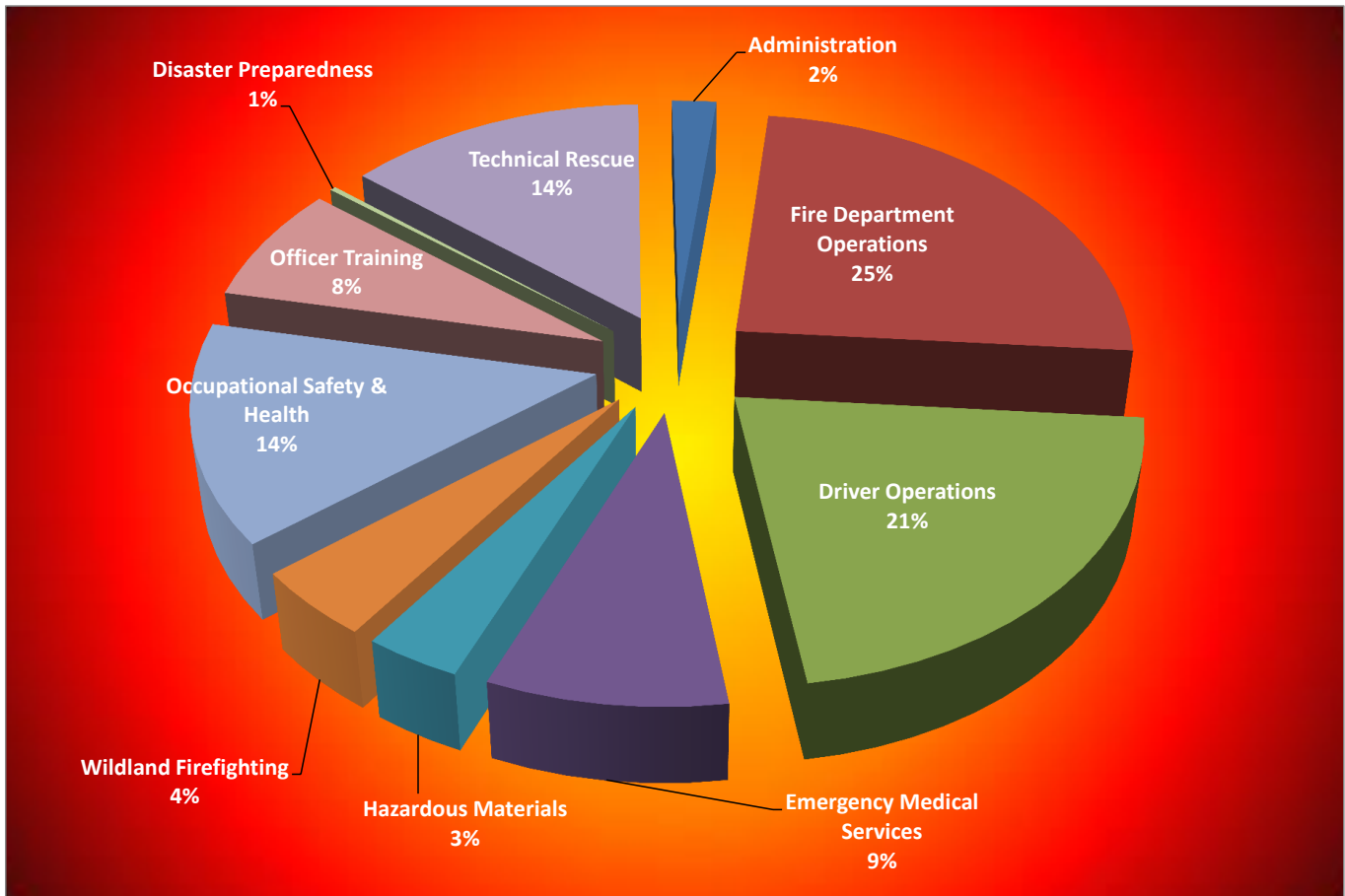
Compliance with State, Federal and Industry Standards and maximize:

- *Worker Safety*
- *Performance to Recognized Standards*
- *Reduction of Liability to the American Canyon Fire Protection District and its Employees.*
- *Meet or exceed ISO requirements for maximum points with regard to training*
- *Maintain requirements as set forth by OES for Type 1 USAR resource*
- *Train Efficiently*
- *Fulfill personnel career objectives*
- *Continuous training needs analysis and improvement*
- *Succession planning*

Training Division Values

- *Development of ACFPD personnel by providing the following opportunities:*
 - *Career development training inside and out of the department*
 - *Input with regard to training topics*
 - *Curriculum development*
 - *Instruction of curriculum*

2017 TRAINING ACTIVITIES



ACTIVITIES	HOURS
<i>Administration</i>	<i>171</i>
<i>Fire Department Operations</i>	<i>2077</i>
<i>Driver Operations</i>	<i>1818</i>
<i>Emergency Medical Services</i>	<i>723</i>
<i>Hazardous Materials</i>	<i>292</i>
<i>Wildland Firefighting</i>	<i>377</i>
<i>Occupational Safety & Health</i>	<i>1195</i>
<i>Officer Training</i>	<i>638</i>
<i>Disaster Preparedness</i>	<i>24</i>
<i>Technical Rescue</i>	<i>1155</i>
TOTAL	8470

2017 Classes Hosted by ACFPD

Course	Dates
C.E.R.T.	January 24, 26,31, February 2 & 4
C.E.R.T. Quarterly Training – Holy Family Church	February 4
Fire Extinguisher Training – Boral Stone	March 22 & 23
Hands Only CPR & AED Training – American Canyon Library	April 16, April 22 and April 29
Critical Decision making for Coordinated Attacks	May 10 and 11
Hands Only CPR – Canyon Oaks Elementary	August 15
C.E.R.T.	August 1,8, 15, 22,29
Hands Only CPR – American Canyon Library	September 16
Rescue Systems 1	October 3 - 6
Confined Space Rescue Operations	October 30 - 31
Pediatric Advanced Life Support	November 15
Hands Only CPR – American Canyon High School	December 8



C.E.R.T. Class

FIRE PREVENTION

Overview

Service Priorities

- Partnering with the Community while promoting Fire and Life Safety.
- Providing Public Education and awareness to reduce the fire and life safety risk.
- Utilizing well-trained inspectors to educate the public while conducting a comprehensive inspection and code enforcement program.
- Investigating the cause and origin of fires.
- Fire and Life Safety records and maintenance.

The Fire Prevention Division consists of the Fire Chief, a full time Fire Inspector shared 50/50 by the City of Napa and the District, and Fire Company (shift) inspectors. The American Canyon Fire Protection District and City of Napa established a Joint Powers Agreement (JPA) in 2010, which made the City of Napa FD Fire Prevention Bureau and the District Fire Prevention Bureau (“Bureau”) one and the same. The Bureau is lead by Larry Pasero (Fire Marshal). The Fire Marshal reports to the Fire Chiefs (of both Napa and the District) and is responsible for code enforcement, fire plans review and engineering, fire investigation, and fire and life safety education. The Prevention Division strives to provide the highest level of customer care and service. Accomplishing the mission requires delegation and teamwork throughout all levels of both organizations.

Code Enforcement

Once a building is constructed, we conduct maintenance inspections to help ensure that a reasonable degree of fire safety exists. Along with the shared Fire Inspector, annual fire inspections are conducted by our fire suppression crews through the engine company annual business fire safety inspection program. We work in partnership with building and business owners to help us with this process.

Fire Plans Review and Construction

The Fire Prevention Division of the American Canyon Fire Protection District partners with the community, the Napa Fire Prevention Bureau and City of American Canyon staff to provide building plan review services for both new and existing construction projects. Services include the review of designs and installation of automatic fire sprinkler and fire alarm systems which will be built into the structure. We also ensure public fire safety in all public buildings and multi-tenant occupancies. The Plan Review Committee (PRC) Program is responsible for ensuring these projects adhere to fire and life safety code requirements regulating the safety of people who will occupy the building or area.

Sprinkler Requirements

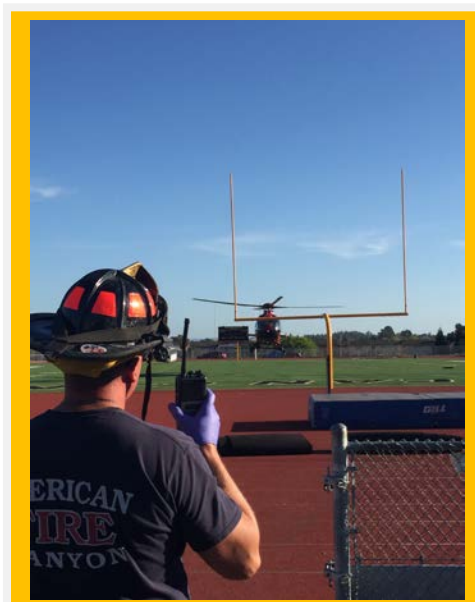
Present-day automatic fire sprinklers have been perfected to the point that they are extremely reliable when properly maintained. Automatic sprinkler systems are recognized as the most reliable of all fire protection devices controlling or extinguishing a fire at an early stage. The design of automatic sprinkler systems is based upon the assumption that only a portion of the sprinkler heads will flow during a fire. On average, about 96 percent of all fires in sprinkled buildings are controlled or extinguished by two to four fire sprinkler heads. Contrary to most beliefs, not all fire sprinkler heads will flow at the same time. The life safety of building occupants is enhanced by the presence of a sprinkler system and the loss of property can be reduced.

Fire Investigation

This program is overseen by the Fire Chief and our Police Department who also assists in this process. We work very closely with the Police Department on fires suspected to be arson.

**2017 Inspection
Activity**

Engine Company Inspections	61
Bureau Inspections	152
New Commercial Inspections	121
Plan Check	311



2017 Public Education Events

January

- CERT Class

February

- CERT Class
- CERT Quarterly Meeting
- Jack and Jill Station Tour
- Ride on the Fire Engine
- Napa Junction Elementary Home Fire Safety
- Napa County Firefighter's Appreciation Dinner

March

- National Read Across America Day At Canyon Oaks Elementary
- Community Meet and Greet Program – Meet the Fire Chief
- Donaldson Way Elementary Heroes and Helpers
- Boral Stone Fire Extinguisher Training (2x)
- Canyon Oaks Station Tour
- Spring Celebration at Community Park

April

- Solano College Fire Technology Station Tour
- Hands Only CPR and AED Training at American Canyon Public Library (3x)
- American Canyon High School Career Day
- Canyon Oaks Career Day
- Napa Valley Seat Inspection & Installation

May

- Canyon Oaks 2nd Grade Class Station Tour (3x)
- Cinco De Mayo Festival at Canyon Oaks Elementary
- Farmer's Market
- Citizen's Academy
- Canyon Oaks Spring Arts Festival
- Red Cross Smoke Detector Installation
- Napa Junction Elementary Dare Graduation
- Memorial Day Ceremony
- Canyon Oaks Dare Graduation

June

- Station Tours (2)
- Relay for Life
- Farmer's Market
- Car Seat Installation Program

July

- Farmer's Market
- Pancake Breakfast, Parade, Flag Raising, and Fireworks for 4th of July
- Station Tours
- Reach Helicopter landing
- California Cadet Academy
- Philip West Memorial Water Carnival

August

- National Night Out
- Farmer's Market
- Station Visit – Boy Scouts
- Ride on the Fire Engine
- Hands Only CPR- Canyon Oaks
- Sheriff Office Open House

September

- Farmer's Market
- Dog Days Festival
- September 11th Ceremony
- Car Seat Safety Workshop
- Hands Only CPR- American Canyon Library
- Child Passenger Safety Month – Car Seat Installation
- Employee Academy
- ACHS Career Symposium
- Neighborhood Watch – Cookie Hill

October

- Events canceled due to Southern LNU Complex Incident

November

- Donaldson Way Elementary Harvest Festival
- Veteran's Day Ceremony
- Health Fair at the Senior Center
- Annual CERT Planning Meeting
- Community Thank you Napa Fire Complex
- Fire Safety Talk/CPR demonstration at American Canyon High School
- Toys for Tot Toy Drive Begins

December

- Holiday Tree Lighting Ceremony
- Reindeer Run
- Snow Day
- Hands Only CPR at American Canyon High School
- Canyon Oaks Station Tour
- Kiwanis Season of Giving
- Santa Sleigh Events



2017 PUBLIC EDUCATION



Napa Junction Elementary Home Fire Safety



Read Across America – Canyon Oaks Elementary

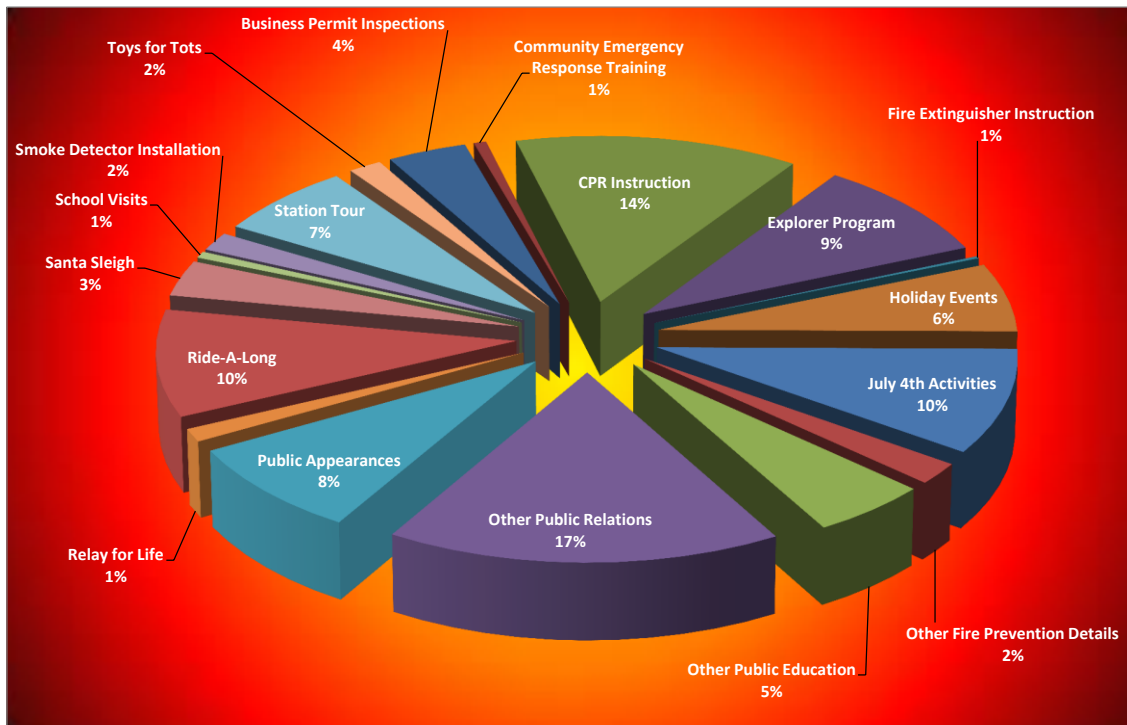


Hands Only CPR Training at the Farmer's Market



Cadet Academy

2017 Public Education Events



<i>ACTIVITIES</i>	<i>HOURS</i>
<i>Business Permit Inspections</i>	38
<i>Community Emergency Response Training</i>	6
<i>CPR Instruction</i>	136
<i>Explorer Program</i>	92
<i>Fire Extinguisher Instruction</i>	2
<i>Holiday Events</i>	63
<i>July 4th Activities</i>	96
<i>Other Fire Prevention Details</i>	20
<i>Other Public Education</i>	51
<i>Other Public Relations</i>	170
<i>Public Appearances</i>	84
<i>Relay for Life</i>	12
<i>Ride-A-Long</i>	98
<i>Santa Sleigh</i>	33
<i>School Visits</i>	6
<i>Smoke Detector Installation</i>	17
<i>Station Tour</i>	67
<i>Toys for Tots</i>	16
<i>TOTAL</i>	<i>1007</i>

 Apparatus Testing, Maintenance & Repair

2017 Apparatus Maintenance and Repair Summary

Ambulance	2008 Mercedes	
7/29/2017	Autozone: head light bulb	\$ 17.23
	Total	\$ 17.23

Brush 211	1994 Dodge Type 6 Brush	
10/26/2017	Interstate Batteries: MT-27 batteries	\$ 182.26
	Total	\$ 182.26

Brush 11	2018 Ford F550 Type 6 Brush/All-Risk QRV	
10/5/2017	Amazon: UHF Mobile Antenna	\$ 15.99
11/16/2017	Real Truck: front and rear seat covers	\$ 519.68
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
	Total	\$ 580.67

Engine 11	2013 Spartan Custom Type 1 Engine	
2/27/2017	General Equipment: Full Service- Oil Change, service air drier, Install coolant line & install transmission filter kit	\$ 2,064.65
3/14/2017	BWS: DEFT DSL Exh Fluid	\$ 118.42
3/23/2017	Burton's Fire: Pump Testing	\$ 412.00
4/12/2017	Autozone: Windshield Wipers	\$ 34.46
5/8/2017	Hi-Tech: 22" Accuride Locking Slide	\$ 86.81
8/29/2017	Autozone: Hose clamp for E11	\$ 3.22
8/31/2017	General Equipment: Head Gasket repair	\$ 100.00
9/27/2017	General Equipment: warranty repairs	\$ 100.00
11/16/2017	General Equipment: warranty deductible	\$ 100.00
12/11/2017	Burton's Fire: Pump Testing	\$ 412.00
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
	Total	\$ 3,476.56

Engine 211	2004 American La France Type 1 Engine	
1/3/2017	General Equipment: Repair Coolant Leak	\$ 1,565.30
2/23/2017	General Equipment: Full Service: Oil Change, Service Transmission and Air Dryer	\$ 1,585.10
3/13/2017	BWS: Polar 010 Green Anti/Cool Hose	\$ 239.84
3/20/2017	Quinlan's Tire Service, Inc: Flat Repair - LR Outer	\$ 50.00
3/27/2017	Quinlan's Tire Service: Tire Repair - Passenger	\$ 22.50
4/13/2017	Burton's Fire: Pump Testing	\$ 412.00
7/27/2017	Amazon: 2 Dewalt 18V XRP Lithium Batteries	\$ 150.82
10/19/2017	General Equipment: FTL IMM seat belt assy.	\$ 188.53
11/8/2017	Hi Tech: Left cab door handle and gas shock	\$ 275.59
10/16/2017	Bert Williams: STR. Tube - LCS	\$ 94.53

12/11/2017	Burton's Fire: Pump Testing	\$ 412.00
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
	Total	\$ 5,041.21
Engine 311 1996 HME 1871 Series Type 1 Engine		
4/13/2017	Burton's Fire: Pump Testing	\$ 412.00
12/11/2017	Burton's Fire: Pump Testing	\$ 412.00
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
12/11/2017	General Equipment: Full Service- Service Air Drier, Transmission Left and right rear lower maker lights replaced, air Cleaner pipe replaced Tie Rod removed and replaced	\$ 4,242.99
	Total	\$ 5,111.99

Engine 411 1999 International Type 3 Engine		
1/12/2017	Hi-Tech: Actuator Shaft, Clip, Lock Spring	\$ 126.12
11/17/2018	RB Mobile Diesel Testing: smoke test	\$ 45.00
	Total	\$ 171.12

New Engine 411 2018 International Type 3 Engine		
6/29/2017	Amazon: UHF Antenna for E-411	\$ 16.15
7/17/2017	McMaster-Carr: E-411 - Clamp U Bolt, Hose Couplings	\$ 71.80
8/1/2017	Silverado: Stainless Steel Key Pad	\$ 67.88
8/7/2017	Skips 4x4 & Diesel: labor for R&R batteries	\$ 325.19
8/14/2017	Jerry Williams Designs: installation of decal, removal of stripes	\$ 332.50
	Total	\$ 813.52

Rescue 11 1992 International Heavy Rescue		
8/24/2017	Quinlan's: Tire dismount/mount, chrome metal valve stem	\$ 122.00
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
	Total	\$ 167.00

Staff 11 2015 Hyundai Tucson Staff Car		
11/4/2017	Napa Auto Parts: oil and air filter	\$ 88.89
	Total	\$ 88.89

Truck 11 2005 American La France 75' Quint		
1/11/2017	Napa Auto Parts: Radiator Hose	\$ 405.23
4/13/2017	Burton's Fire: Pump Testing	\$ 412.00
12/11/2017	Burton's Fire: Pump Testing	\$ 412.00
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
	Total	\$ 1,274.23

Water Tender 11	2013 International 2000 Gallon Water Tender/Pumper	
4/13/2017	Burton's Fire: Pump Testing	\$ 412.00
10/26/2017	Insterstate Batteries: 31 AGM7 batteries	\$ 833.34
11/17/2017	RB mobile diesel testing: smoke test	\$ 45.00
12/11/2017	Burton's Fire: Pump Testing	\$ 412.00
	Total	\$ 1,702.34

Utility 11	2007 Ford 150	
8/11/2017	Napa Auto Parts: Disc Brake Pads & Brake Rotors	\$ 366.34
8/16/2017	Napa Auto Parts: brake rotor purchased on separate invoice	\$ (116.89)
11/6/2017	Express Smog: smog test	\$ 40.00
	Total	\$ 249.45

Utility 211	2001 Ford F250 Diesel	
11/6/2017	Express Smog: smog test	\$ 40.00
	Total	\$ 40.00

Chief 1100	2011 Ford F-150 Command Vehicle	
3/16/2017	Oil Changers: Oil Change	\$ 97.08
	Total	\$ 97.08

Chief 1101	2016 Ford F-150 Command Vehicle	
3/7/2017	Napa Ford Lincoln Mercury: Oil Change	\$ 46.21
11/13/2017	Napa Ford: repairs	\$ 379.58
	Total	\$ 425.79

	Fire Equipment Repair / Maintenance	
1/28/2017	UL LLC: In Service Ground Ladder Inspection	\$ 1,824.85
3/13/2017	Drager Safety USA: Replacement LCD Window Cover	\$ 72.35
3/22/2017	BK- Relm Wireless ZFCNWA	\$ 181.09
3/24/2017	Scott's PPE Recon: Turn Out Inspections and Repairs	\$ 1,041.50
3/25/2017	FS3- Work on Holmatro Rescue Tools	\$ 2,399.73
4/4/2017	Curtis Tools: T3/T4 NIMH RECH Battery -- Thermal Imager	\$ 291.37
4/11/2017	Drager Safety: Replacement batteries for Thermal Imaging Cameras	\$ 1,355.85
4/24/2017	Scott's PPE: Turn Out Inspections and Repairs	\$ 1,658.00
4/25/2017	Best Fire Equipment -Extinguisher Annual Maintenance	\$ 593.17
6/22/2017	Silverado -Power Prod Vehicle Charger	\$ 217.62
8/3/2017	Silverado: Power Prod Battery, Ni-CAD 1450 mAH	\$ 210.11
8/11/2017	AEDLAND: Lifepack AED battery	\$ 139.00
8/23/2017	Identifire: SCBA mask ID's	\$ 148.84
9/11/2017	Curtis: bolt cutter kit	\$ 61.32

9/20/2017	Physio Control: non device service activity	\$ 117.67
11/29/2017	BWS: DSL Exhaust fluid, 25lb floor dry	\$ 148.55
12/30/2017	DEFT	\$ 51.68
	Total	\$ 15,419.11

Grand Total	\$ 29,619.54
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 2017 Facilities Maintenance Summary

911 Donaldson Way

Date	Company	Item	Amount	Remarks
1/4/2017	Fitguard	Preventative Maintenance	\$ 145.00	
1/10/2017	Tri-Signal	Replace Fire Alarm Panel	\$ 1,784.50	50/50 Bill Total: \$3569.00
2/3/2017	Afforda - Test	Vapor Recovery Testing on Above Ground Tank	\$ 379.00	
2/26/2017	Home Depot	Tile/Grout/Caulk	\$ 78.46	
3/10/2017	Allstar Appliance Service	Dishwasher Repair	\$ 100.00	
3/9/2017	Newcomb & Sons	Repair handle to kitchen door	\$ 134.66	
3/9/2017	Zeco Electric Co	Trouble Shoot Exterior Light Fixture	\$ 105.00	
3/20/2017	Emergency Power Systems	Quarterly Inspection to 140 KW Genset	\$ 605.00	50/50 Bill Total \$1,210.00
3/20/2017	Daltile	Tile for bathroom	\$ 17.94	
3/22/2017	Home Depot	Quick Set Mortar	\$ 17.85	
4/1/2017	Emergency Power Systems	Remove and Replace Engine Block Heater on the 140KW Genset	\$ 417.38	50/50 Bill \$834.75
4/12/2017	Peterson Mechanical	Replaced belts, installed new main control board and actuator	\$ 2,234.40	50/50 Bill \$4,468.80
4/12/2017	Peterson Mechanical	Minin Split condenser coil was plugged	\$ 288.08	50/50 Bill \$576.16
4/18/2017	Home Depot	Red Guard waterproofing compound	\$ 59.47	
4/24/2017	R & S	Service call - door was not opening	\$ 160.00	
5/10/2017	Air Exchange	Plymovent Vehicle Exhaust System Annual Service	\$ 200.17	
5/12/2017	Service Master	Vacuum, Shampoo, Truck Mount Extraction, Tile/Grout Cleaning and Upholstery Cleaning	\$ 845.10	
5/31/2017	Fit Guard	Preventative Maintenance	\$ 145.00	
6/19/2017	Definitive Networks	Cisco ISR4321AX Router, POE Switch	\$22,807.09	
6/22/2017	Service Master	Vacuum, Shampoo, Truck Mount Extraction, Tile/Grout Cleaning and Upholstery Cleaning	\$ 845.10	
7/8/2017	Walmart	Weed Killer	\$ 30.04	
7/17/2017	Air Exchange	Plymovent Vehicle Exhaust System service	\$ 200.17	

7/31/2017	Air Exchange	Service Call - New Balancer & Tether	\$ 624.96	
8/2/2017	Fitguard	Preventative Maintenance	\$ 145.00	
8/22/2017	Home Depot	P-trap	\$ 28.98	
9/19/2017	Service Master	Vacuum, Shampoo, Truck Mount Extraction, Tile/Grout Cleaning and Upholstery Cleaning	\$ 845.10	
11/3/2017	Bay Area Quality	Annual Permit for Generator	\$ 178.00	50/50 Invoice - total 356.00
11/27/2017	R & S	Middle rear door - no power	\$ 215.00	
12/19/2017	Service Master	Vacuum, Shampoo, Truck Mount Extraction, Tile/Grout Cleaning and Upholstery Cleaning	\$ 845.10	
Total			\$34,481.55	

225 James Road

Date	Company	Item	Amount
2/3/2017	Afforda-Test	Perform Vapor Recovery Testing on above ground tank	\$ 379.00
2/17/2017	R & S	Balanced door, reinstalled cable	\$ 207.00
3/13/2017	Amazon.com	Astron Power Supply & Swivel Mount for MDC	\$ 218.29
3/21/2017	Silverado Avionics Inc	Kenwood TK-790BK	\$ 162.00
3/30/2017	Emergency Power Systems	Install new A/C Voltage Regulator to 20KW Onan Genset	\$ 681.78
4/3/2017	Emergency Power Systems	Perform Quarterly Inspection to the 20KW Genset	\$ 250.00
4/6/2017	Emergency Power Systems	Inspect shutdown problem on the 20KW Onan Genset	\$ 1,530.78
6/3/2017	Bay Area Air Quality	Permit to Operate	\$ 205.00
7/5/2017	Lowes	Combination lock box (CERT Keys) & Wall Anchors	\$ 41.12
7/16/2017	Walmart	Keys for CERT Access	\$ 26.73
9/26/2017	Camping World	Cover for Restroom Trailer	\$ 292.00
12/18/2017	R & S	Repair Garage door - loose lag in wall	\$ 215.00
Total			\$ 4,208.70

 Fleet, Facilities and Equipment Fund (FFE)

2017 Fire Equipment Capital Purchases

Date	Item	Amount
3/9/2017	AMR: LP15 Monitor	\$ 24,705.24
3/16/2017	Bauer Compressors: Escape Cylinders	\$ 1,223.70
4/13/2017	CALPIA: Wildland PPE	\$ 3,539.89
5/19/2017	Silverado -Kenwood VHF, 254 CH, Radio BK VHF, Antenna	\$ 3,293.92
6/7/2017	Curtis - Wildland Progressive Hose Pack	\$ 581.23
6/26/2017	Curtis -Structural Turn Outs - Martin	\$ 3,333.79
6/26/2017	Curtis - Structural Turn Outs - Churchman	\$ 1,228.35
6/30/2017	Allstar Fire Equipment-Combat Attack Hose	\$ 2,720.69
7/19/2017	Bauer - MSA Firehawk Air Mask and Cylinder (SCBAs)	\$ 12,384.79
10/19/2017	CALPIA - Wildland PPE	\$ 4,906.43
10/31/2017	AMR- ALS Equipment	\$ 3,789.83
11/30/2017	Quantum EMS-Vacuum Stretchers	\$ 1,271.00
Total		\$ 59,684.94

2017 Facilities

Date	Item	Amount
4/14/2017	Promaxima - True Form Runner Performance Model Treadmill	\$ 6,580.00
5/30/2017	Birds Away - Pigeon Abatement	\$ 4,800.00
9/29/2017	Birds Away - Pigeon Abatement	\$ 4,007.70
9/29/2017	Promaxima - Exercise Equipment	\$ 4,848.48
10/31/2017	Ben Franklin - Water Heater	\$ 3,850.00
10/31/2017	Ben Franklin - Water Heater	\$ 3,850.00
10/31/2017	Dell Computer	\$ 1,192.72
11/7/2017	Life Core Fitness Assault Bike	\$ 1,023.61
Total		\$ 30,152.51

2017 Fleet Purchases

Date	Item	Amount
6/2/2017	HME: Engine Model IH E-411	\$ 400,594.67
9/20/2017	Hi-Tech- Brush 11	\$ 216,602.88
Total		\$ 617,197.55



E-411: 2018 International HME: Type 3 Fire Engine



Brush 11: 2017 Hi-Tech/Ford Type 6 Wildland Fire Engine

