

**TWAIN HARTE COMMUNITY SERVICES
DISTRICT
FIRE DIVISION
ANNUAL REPORT 2017**



Twain Harte Fire's historic Engine 3, 1951 Dodge/Van Pelt



Table of Contents

- Chiefs Message: Page 3
- Significant Events: Page 4
- Training: Page 6
- Annual Call Statistics: Page 7
- Fire Prevention/Public Education: Page 12

Chief's Message

2017 has been another year of progress and growth for the Twain Harte Fire Department. I am immensely proud of the dedication, commitment and work ethic demonstrated by the THFD staff, volunteers and CERT members as our Department continues to develop and improve. As a team, we at THFD have laid the foundation of local and regional leadership in the fire service and have successfully taken the point position on setting the standards for service delivery and preparedness. Throughout 2017, THFD has completed a long list of significant projects that have improved our ability to provide a quality service and professional response to the Twain Harte community, Tuolumne County and the entire State of California. We have delivered hundreds of hours of hyper-realistic fire suppression and rescue training at our facilities and have made a significant impact in the increased skills and professionalism of our agency and all of the cooperative agencies in Tuolumne County. Our training facilities are a source of great pride amongst the members of the THFD and have established us as a regional leader in training delivery.



There were many significant events in 2017; however the return of historic E3 to Twain Harte is certainly my personal favorite. In 1951, the Twain Harte Fire District purchased a new Dodge Power Wagon 4WD cab and chassis and delivered it to Van Pelt Apparatus Fabricators in Oakdale for the purpose of building a rugged wildland fire engine. Completed that year, and one of five ever built, the apparatus was placed in service in Twain Harte and given the designator of Engine 3. Engine 3 served the community of Twain Harte for nearly 30 years and was sold

at auction in 1980. The E3 restoration project is of special significance because it is a rare event for a fire agency to track down an historic fire apparatus once in service in their community, but far rarer to have the opportunity to return it home and restore it. The Twain Harte Firefighters Association has been diligently working at fundraising to secure ownership and complete restoration of historic THFD's Engine 3.

THFD is making an impact, and is being recognized as a customer service based organization of the highest caliber. With the assistance of staff and support of the community, THFD has built a foundation from which we can continue to grow and improve in the coming year. I want to express my sincere gratitude to the Board of Directors, the General Manager, THFD personnel, and the Twain Harte Community for once again providing me with the honor to serve at Twain Harte Fire.

Significant Events

Listed below is a summary of THFD's significant accomplishments and progress that occurred in 2017:

- Historic Engine 3 located and returned to Twain Harte
- SCBA fill station placed in service and building set to house SCBA maintenance and repair station
- New signs fabricated and placed of front of Firehouse with new accent lighting
- New classroom opened with improved AV equipment for improved training delivery



- All regulatory and compliance testing of fleet, emergency equipment and personal protective equipment was completed
- Training exchange relationships established with out of the area agencies providing opportunities for THFD personnel to receive complex training not available in Tuolumne County

- THFD assisted the greater fire service with superior training delivery across the state utilizing the ventilation prop trailer and THFD staff who are State Fire Training Certified Instructors
- Another successful community based Christmas Parade and pictures with Santa hosted at the Firehouse open to the public
- Return of historic Engine 3 to THFD and restoration project begun
- All THFD staff became certified CPR Instructors and began the community based CPR program to deliver low cost training to our community
- Recruitment and selection of new Fire Captain assigned to B shift
- Twain Harte Area CERT delivered multiple trainings for the community to help increase individual preparedness and recruited additional members through basic training
- Decontamination unit placed in service to reduce the risk of exposure to carcinogens and other pathogens of all THCS staff
- Numerous improvements to the Firehouse were completed making the building safer and more efficient
- The Fire Chief and two Captains became registered lead evaluators for manipulative skill testing of new Firefighter 1 standards implemented by State Fire Training
- Continued assistance and direction was provided to the Strawberry Volunteer Fire Department through the administrative agreement
- THFD played an active role in the county wide fire study that reviewed service delivery efficiency throughout Tuolumne County
- CERT members delivered multiple training and response enhancement projects to build a larger and stronger team and prepared community



- Numerous improvements made of live fire training facilities to increase safety and realism
- Process of updating the THFD Standard Operating Procedure was initiated
- Numerous CA Mutual aid assignments were filled with excellent experience and training opportunities for participating THFD personnel

Training

In the training year of 2017, THFD continued to provide excellent, hyper-realistic training to not only the THFD personnel but fire service personnel from across the county and the state. THFD personnel collectively participated in over three thousand hours of training from a diversity of fire, rescue and EMS topics. THFD in collaboration with Fire Nuggets hosted premier instructors from the east coast that was so well attended that we added a second session and will bring them back in 2018. THFD personnel



continued our dedication to our Interns by providing training and experience development on a daily basis and the opportunity to participate in statewide wildland responses. Collectively THFD staff, Interns and Reserves completed 2525 hours of training during 2017. One of the major achievements for the THFD Training Division in 2017 was the development of training exchange relationships with other departments in the region. Through this agreement THFD personnel participated in the delivery of training requested by the collaborating agency, then attended a certification course delivery hosted by that same agency. This exchange process allows for inter-agency exposure and reduces the expenditures of each of the agency's training budget. Additionally THFD established a training delivery agreement with another Community College Fire Academy run a Chabot College. Through this cooperative arrangement, a THFD cadre delivers live fire and manipulative skills training for the Chabot Fire Academy and gives us the opportunity to showcase the Intern Program available at THFD.

Several improvements and enhancements have been completed at the training facilities during 2017. A new fire hydrant was placed at the site, a SCBA compressor and fill station was put in service. The addition of an onsite fill station greatly improved the efficiency of training in full gear and reduces the time participating engine companies need to get the engine compliment back in service. The onsite SCBA fill also reduces the logistical component of live fire training and our reliance on other agencies to provide a mobile fill station. THFD continues to train with all of our public safety cooperators and our CERT members to continuously strive to improve our skills and proficiency. Training on a consistent and daily basis is of critical importance to the safety and success of a fire department. In 2017, Twain Harte Fire Division displayed our commitment to the importance of, participation in, and delivery of critical firefighter training.

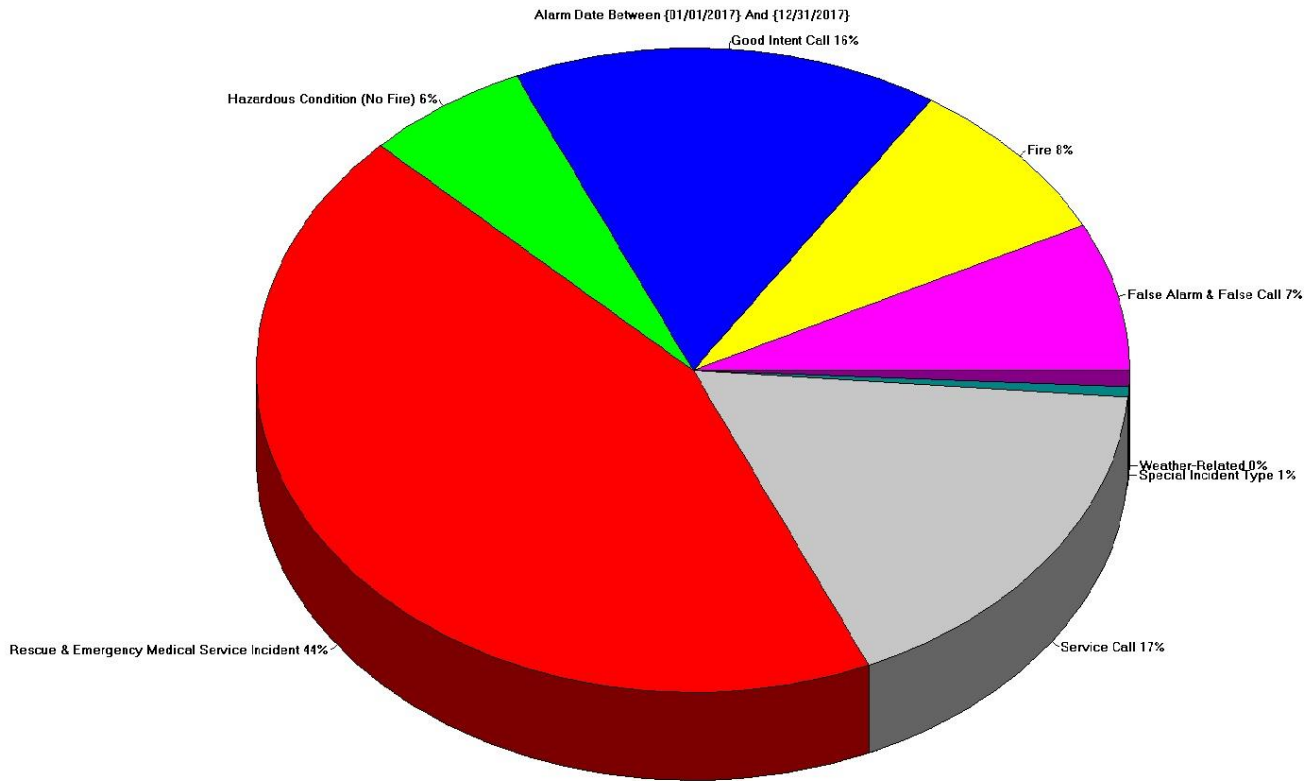


Annual Call Statistics

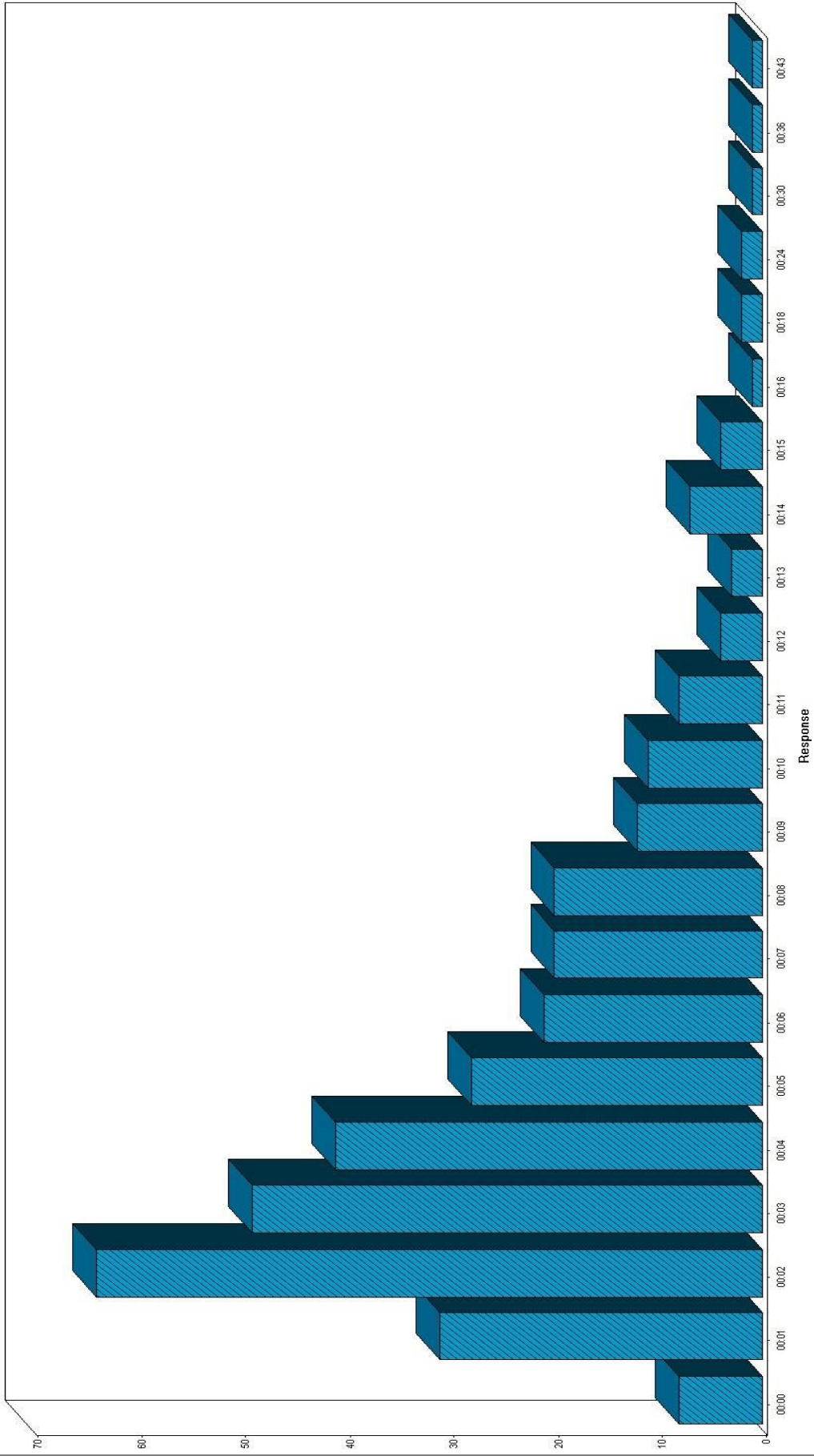
For the year of 2017, Twain Harte Fire and Rescue responded to 393 emergency calls for service which is a 22% increase over 2016. THFD in 2017 responded 65% of our calls in District. The increase in calls for service can be attributed to the busy wildland fire season and improved precipitation over winter allowing for more recreational activity opportunities in the local area.

The breakdown by call type is depicted in the graph below with 44% of the Twain Harte Fire's emergency calls being of a medical nature. The graph on page 8 displays a majority of our response times are in the 2-5 minute range which is typical standards in any major metropolitan area. The last graph depicts the locations where, in 2017, Twain Harte Fire and Rescue responded, by district and surrounding areas. The included annual summary table, starting on page 10, displays the percentages of incident types and specific response categorization.

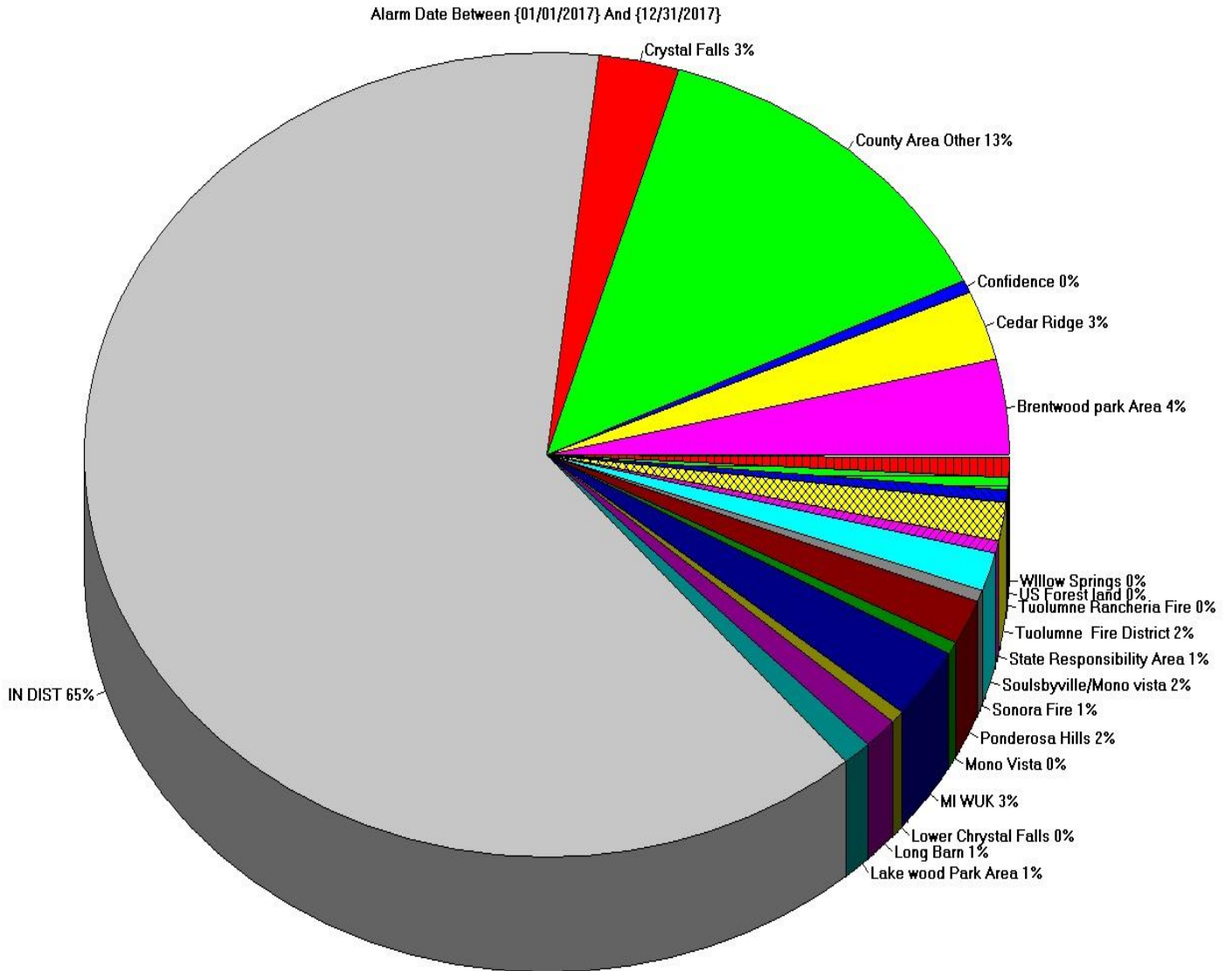
2017 Incident Type Summary Chart



NFRS Incidents by Response Time (in minutes)
Alarm Date Between (01/01/2017) And (12/31/2017)



2017 Incident Location Summary Chart



Twain Harte Fire and Rescue

Incident Type Report (Summary)

**Alarm Date Between {01/01/2017} And
{12/31/2017}**

Incident Type	Count	Pct of Incidents	Total Est Loss	Pct of Losses
1 Fire				
100 Fire, Other	6	1.53%	\$0	0.00%
1001 Fire in a drier confined to appliance	1	0.25%	\$0	0.00%
111 Building fire	9	2.29%	\$1,546,000	79.18%
112 Fires in structure other than in a building	2	0.51%	\$360,000	18.43%
114 Chimney or flue fire, confined to chimney or flue	3	0.76%	\$5,000	0.25%
131 Passenger vehicle fire	7	1.78%	\$21,500	1.10%
137 Camper or recreational vehicle (RV) fire	2	0.51%	\$20,000	1.02%
141 Forest, woods or wildland fire	2	0.51%	\$0	0.00%
142 Brush or brush-and-grass mixture fire	2	0.51%	\$0	0.00%
	34	8.65%	\$1,952,500	100.00%
3 Rescue & Emergency Medical Service Incident				
300 Rescue, EMS incident, other	1	0.25%	\$0	0.00%
311 Medical assist, assist EMS crew	5	1.27%	\$0	0.00%
320 Emergency medical service, other	2	0.51%	\$0	0.00%
321 EMS call, excluding vehicle accident with injuries	39	35.37%	\$0	0.00%
322 Motor vehicle accident with injuries	17	4.33%	\$0	0.00%
324 Motor Vehicle Accident with no injuries	6	1.53%	\$0	0.00%
352 Extrication of victim(s) from vehicle	3	0.76%	\$0	0.00%
381 Rescue or EMS standby	1	0.25%	\$0	0.00%
	174	44.27%	\$0	0.00%
4 Hazardous Condition (No Fire)				
400 Hazardous condition, Other	1	0.25%	\$0	0.00%
412 Gas leak (natural gas or LPG)	4	1.02%	\$0	0.00%
424 Carbon monoxide incident	2	0.51%	\$0	0.00%
440 Electrical wiring/equipment problem, Other	2	0.51%	\$0	0.00%
441 Heat from short circuit (wiring), defective/worn	1	0.25%	\$0	0.00%
444 Power line down	10	2.54%	\$0	0.00%
445 Arcing, shorted electrical equipment	3	0.76%	\$0	0.00%
471 Explosive, bomb removal (for bomb scare, use 721)	1	0.25%	\$0	0.00%
	24	6.11%	\$0	0.00%
5 Service Call				
500 Service Call, other	2	0.51%	\$0	0.00%
510 Person in distress, Other	9	2.29%	\$0	0.00%
511 Lock-out	1	0.25%	\$0	0.00%
512 Ring or jewelry removal	1	0.25%	\$0	0.00%
520 Water problem, Other	1	0.25%	\$0	0.00%

Twain Harte Fire and Rescue
Incident Type Report (Summary)

**Alarm Date Between {01/01/2017} And
{12/31/2017}**

Incident Type	Count	Pct of Incidents	Total Est Loss	Pct of Losses
5 Service Call				
531 Smoke or odor removal	5	1.27%	\$0	0.00%
542 Animal rescue	1	0.25%	\$0	0.00%
550 Public service assistance, Other	11	2.80%	\$0	0.00%
553 Public service	6	1.53%	\$0	0.00%
554 Assist invalid	28	7.12%	\$0	0.00%
561 Unauthorized burning	2	0.51%	\$0	0.00%
	<u>67</u>	<u>17.05%</u>	<u>\$0</u>	<u>0.00%</u>
6 Good Intent Call				
600 Good intent call, Other	8	2.04%	\$0	0.00%
611 Dispatched & cancelled en route	53	13.49%	\$0	0.00%
622 No Incident found on arrival at dispatch address 1	1	0.25%	\$0	0.00%
	<u>62</u>	<u>15.78%</u>	<u>\$0</u>	<u>0.00%</u>
7 False Alarm & False Call				
700 False alarm or false call, Other	26	6.62%	\$0	0.00%
735 Alarm system sounded due to malfunction	1	0.25%	\$0	0.00%
736 CO detector activation due to malfunction	1	0.25%	\$0	0.00%
744 Detector activation, no fire - unintentional	1	0.25%	\$0	0.00%
	<u>29</u>	<u>7.38%</u>	<u>\$0</u>	<u>0.00%</u>
8 Severe Weather & Natural Disaster				
813 Wind storm, tornado/hurricane assessment	1	0.25%	\$0	0.00%
	<u>1</u>	<u>0.25%</u>	<u>\$0</u>	<u>0.00%</u>
9 Special Incident Type				
900 Special type of incident, Other	1	0.25%	\$0	0.00%
911 Citizen complaint	1	0.25%	\$0	0.00%
	<u>2</u>	<u>0.51%</u>	<u>\$0</u>	<u>0.00%</u>

Total Incident Count: 393

Total Est Loss:

\$1,952,500

Fire Prevention and Public Education

An important service provided to the citizens of the Twain Harte Community Services District is the delivery of public education, fire safety, and fire prevention/inspection programs. In 2017, THFD continued the annual Fire Safety Inspection Program in the building occupancies required per the California Fire Code and the new Twain Harte Community Services District Fire Ordinance. The a numerous benefits for both THFD personnel and the business owner associated with the program dedicated to reducing loss and damage from fire in our community. During this customer service oriented interaction with the business owners of our community, THFD develops strong and lasting relationships, builds trust, and demonstrates the professionalism. At these moments, the THFD members are ambassadors of the Fire Department and of the entire Community Services District. The results of this important inspection program are; increased resiliency to fire damage through updated pre-plans, familiarity with the building construction, more efficient responses to incidents at those buildings, build support and advocacy for THFD from the citizens we serve.



In 2017, the Twain Harte Area CERT conducted several critical trainings in conjunction with the THFD personnel that enhanced the team's ability to respond when activated and increased the total number of trained CERT members. CERT also provided free preparedness workshops for the community to help each interested person become more prepared and more self-sufficient during any type of emergency.

Although there was a slight reprieve from the prolonged drought during the winter of '16-'17 the tree mortality event continued in Tuolumne County and across the region. In response to this significant event, THFD continued the cooperative effort with Cal Fire performing hazardous fuels management in our community. In 2017 the THCS D continued the Green Waste Voucher Program and expanded the eligibility to household outside of the geographic boundaries of the District. The intent of this Program is to directly assist community members with hazardous fuel removal from the community. The THFD Fire Prevention Program strives for compliance through education rather than harsh enforcement. For it is through voluntary compliance rooted in knowledge and understanding that we have the most significant impact in the prevention and reduction of fire related incidents within our community.