



Fire Department

Fiscal Year 2019 Annual Report

July 1, 2018 – June 30, 2019

Solomon Kanoho
Acting Chief

FIRE DEPARTMENT

I. MISSION STATEMENT

To preserve and protect life, property and the environment of Kaua'i County from all hazards and emergencies.

II. DEPARTMENT GOALS

The men and women of the Kaua'i Fire Department are dedicated and highly motivated to make our community a safe place to live. Our employees have effectively carried out their duties in achieving the department's goals of preventing, suppressing and extinguishing all types of fires; responding to and mitigating any and all types of emergencies (medical, HAZMAT, search and rescue, disasters) in a highly trained, professional and safe manner; administering first aid and CPR to the basic life support level (EMT) and to make Kauai a safer place by supporting and promoting training for the community in CPR, first aid, management of the Kaua'i County CERT (Community Emergency Response Team). Participating in the State and County's Civil Support Team (CST) disaster response training, which includes numerous agencies and resources; providing highly trained personnel as part of Emergency Management Agency's Pacific Rim Urban Search and Rescue (USAR) team; participating in the State and County's localized disaster response network, which includes other agencies and available resources; enforcing the National/Hawai'i Fire Code and promote fire prevention through educational programs and community outreach; maintaining our vehicles and equipment for emergency response through a preventive maintenance program; and providing safe, guarded beaches through an effective and dynamic ocean safety program.

III. PROGRAM DESCRIPTION

To accomplish these objectives, the department maintains a modern communications and record management system, conducts routine inspections, enforces and governs fire codes and regulations, conducts fire investigations to ascertain its origin and cause, promotes public awareness by providing on-going, up-to-date public education, advocates a structured and uniform fire training program which includes HAZMAT, CBRNE (chemical, biological, radiological, nuclear and explosive) and mountain and ocean search and rescue training, and promotes highly trained fire suppression and hazmat/rescue teams.

The Fire Chief commands and directs a department of 213 employees--146 uniformed fire personnel, 58 uniformed ocean safety personnel and nine (9) civilians assigned to five (5) major service bureaus, eight (8) fire stations, ten (10) lifeguard towers located throughout the island, and three (3) Roving Jet Ski Patrols one in each of the three districts (North, East, South/West).

The fire commission appoints the Fire Chief and assists with construction of the budget.

The five major service bureaus are Administration, Operations, Training Prevention, and Ocean Safety.

OPERATIONS BUREAU

Fire Operations is comprised of 3 Battalion Chiefs, 135 Fire line personnel, 21 Fire Suppression Captains, 3 Hazmat Captains, 3 Rescue Captains, 27 Fire Apparatus Operators, 9 Fire Rescue Specialists, 9 Hazardous Materials Technicians, and 63 Fire Fighters. They respond to fire and hazmat/rescue incidents and assist in all 911 emergency medical calls.

Fire fighters work 24 hour shifts for an average of 56 hours per week. They are assigned to 3 platoons, each consisting of 45 fire fighters. Each platoon staffs 8 fire stations with crews consisting of a Fire Apparatus Operator and Fire Fighters and /or Fire Fighter Trainees under the command of a Fire Captain, with the exception of the Līhu'e Fire Station which has a Suppression Captain and Rescue Captain, two Fire Apparatus Operators and three Fire Rescue Specialists. The Līhu'e Fire Station is the designated home base for the Rescue team.

Fire Fighters are stationed at the Hanalei (E-1), Kapa'a (E-2), Līhu'e (E-3), Kōloa (E-4), Kalāheo (E-5), Hanapēpē (E-6), Waimea (E-7), and Kaiākea (E-8) Fire Stations. Staffing for all of our fire stations are at five with the exception of Līhu'e which is a nine person station.

HIGHLIGHTS

July 2018

- 7/02 – R3, Air 1, E7, T7; Airlifted female with broken leg from Waipoo Falls
- 7/16 – E2, T2, Whaler2, R3; Injured hiker Uluwehi Falls, utilized wheel and boat to extricate
- 7/16 – T7, R3; Search for missing hiker (sent SOS on phone) Ilihu Trail (Kokee), found safe
- 7/22 – L4, T4; Missing diver, update, diver found CPR being performed boat headed to Kukui'ula Harbor
- 7/27 – E1, T1, E8, T8, R3, T3, BC1, Prev.; Structure fire Hanalei Colony Resort
- 7/29 – E1, T1, Air1; Brush fire end of 'Anini

August 2018

- 8/02 – T7, R3; Injured hiker Kukui Trail, carried out by KFD
- 8/08 – E7, T7, E6, T6, Air1; Brush fire Russian Fort
- 8/08 – E7, T7; Brush fire Kekaha Mill
- 8/08 – E6, T6; Brush fire Glass Beach

8/09 – E4, T4, OSB; Two swimmers in distress @ Brennekes Beach, assisted back
8/10 – E1, T1, OSB; Swimmer with medical emergency @ 'Anini Boat Ramp; CPR
8/11 – E1, T1, JS1; Overturned catamaran outside St. Regis, JS1 assisted with
righting catamaran
8/14 – E7, T7, R3, Air1; Airlifted injured hiker from Waipoo Falls
8/16 – E3, R3, BC1; Extricate injured hiker from Wailua Falls
8/17 – E3, R3, BC3; Explosion, fire, and injury @ Puhi Metals
8/17 – E2, T2, E8, T8, E3, R3, T3, BC3, Prev.; Structure fire Kapa'a
8/17 – E2, T2, E3, R3, T3; Head on collision @ Marine Camp
8/21 – E3, R3; High angle rescue, 72 y/o female fell down steep hill side
8/26 – E3, R3; Respond to LPG gas leak
8/27 – E1, T1; Relocate to Hanalei due to flooding
8/28 – E2, T2, R3, T3, E3, BC3, Prev.; Structure fire Anahola
8/28 – L4, T4, R3, E6, T6, BC3; Search (without luck) 30 y/o male jumped into
flooded Waikomo Stream to save puppy
8/28 – E1, T1; Relocate to Hanalei due to flooding

September 2018

9/03 - E3, R3, T3, E5, T5, E2, T2, BC1, Prev.; Commercial fire @ Y. Hata
9/04 – E6, T6, E5, T5, E7, T7, R3, T3, BC2, Prev.; Structure fire Hanapēpē
9/10 – E8, T8, R3, Air1; Airlifted injured hiker, Hoopii Falls
9/11 – L4, T4, OSB; Two swimmers in distress, rescued
9/15 – E2, T2, E8, T8; Injured hiker trail to Uluwehi Falls, carried and used kayak
to extricate (kayak damaged by floods)
9/16 – T7, R3; Injured hiker Pihea Trail, carried out
9/23 – E8, T8, R3; Injured hiker Hoopii Falls, carried out

October 2018

10/03 – E2, T2; Cooking explosion, Wailua Houselots, 2nd & 3rd degree burns to
male victim
10/04 – E1, T1, OSB; Extricate injured hiker, Queens Bath
10/06 – E2, T2, Whaler2, R3; Injured hiker Uluwehi Falls, carried out to boat
10/13 – E3, HazMat8, E8; 55 gal drum washed ashore Hanamā'ulu Bay
10/15 – E1, T1, R3; Suicidal female swimming out to sea in dark @ Kahili; rescued

by T1 personnel

10/16 – E7, T7, R3, Air1; Airlifted injured hiker from Kalepa Trail, Kokee

10/19 – E2, T2, R3, Wahler2; Injured hiker Uluwehi Trail, carried to boat

10/27 – E7, T7, R3, BC2; Extricate body from vehicle, plunged 400- over cliff @
Porter's, Kokee

10/28 – E1, T1, JS1; Rescue two subjects on broken down Jet-ski off Puu Poa,
Princeville

November 2018

11/03 – E2, T2, R3, Air1, OSB, BC1, KFD Dive Team; Missing diver behind Wailua
Golf Course (never found)

11/04 – E5, T5, E6, T6, R3, T3, BC2, Prev.; Structure fire Kalāheo

11/12 – E6, T6, R3, Air1; Three parachutists, jump from plane early, all located
uninjured in various locations

11/29 – T7, R3, Air1, OSB; Two persons in distress end of Polihale, injuries from
falling off cliff

December 2018

12/01 – E8, T8, E2, T2, R3, T3, BC2, Prev.; Structure fire Kapa'a

12/05 – E1, T1, R3, Air1, OSB; 23 y/o f. swept off rocks, Queens Bath, body never
found

12/19 – E3, R3, Air1; Assist with body recovery, Wailua Falls

12/29 – E2, T2, E8, HazMat8; Investigate hazmat incident Starbuck's Kapa'a

January 2018

1/01 – L4, T4, OSB; three SCUBA divers in distress PK's; OSB assists them back
to beach

1/03 – E6, T6, E5, T5, R3, T3, BC3, Prev.; Structure fire Kalāheo

1/05 – T7, Polaris7, R3, Air1; Airlift injured hike from Haeleele Ridge

1/11 – E4, T4, R3, T3; Head-on Knudson Gap

1/12 – E1, T1; High angle rescue, F. fell down ravine HBR

1/14 – E1, T1, OSB; Two swimmers in distress, rescued, back channel 'Anini

1/15 – E1, T1, R3, Air1, OSB; Swimmer in distress, rescued back channel 'Anini

1/21 – E1, T1, R3; Two F hikers stranded Powerline Trail; stay the night, assisted

out next day T1

1/28 – E7, T7, OSB; Whale carcass Targets

1/30 – E3, R3, T3; Electrical fire in attic of residential house, Lihue

1/30 – E1, T1, R3, Air1, OSB; M. face down Kaupea Beach, CPR

1/31 – E7, T7, R3; Injured hiker Waipoo Falls, carried out

February 2018

2/04 – E2, T2, Whaler2, R3; Injured hiker on trail to Uluwehi Falls, carried out to boat

2/04 – E1, T1, OSB; Shark attack Hanalei Bay, survivor transported via AMR

2/07 – E5, T5, R3; Locate missing woman, Kalāheo, Emily Oka

2/07 – E7, T7, R3, Air1, OSB; Two swimmers in distress, Polihale, bystander rescue

2/10 – E7, T7, E6, T6, R3, T3, BC1, Prev.; Structure fire abandoned structure Kekaha Mill

2/11 – E8, T8; Vehicle vs. utility pole, one DOA & two critical

2/17 – E2, T2, T8, R3, Air1, OSB; Missing surfer off Makaiwa, OSB rescues kite surfer

2/18 – E1, T1, E8, T8, E2, T2, BC2, Prev.; Structure fire Princeville

2/21 – E8, T8, OSB; Drowning victim Anahola

2/25 – E6, T6, E5, T5, BC2, Prev.; Two storages sheds on fire @ Hanapēpē Stadium

2/28 – L4, T4; Male struck by car, DOA

March 2018

3/03 – E7, T7, R3; Missing hiker Kokee, found by T7 personnel

3/05 – Hā'ena Rove, E1, T1, E8, T8, R3, T3, BC3, Prev.; Structure fire Hā'ena

3/06 – E8, T8, E2, T2, R3, T3, BC2, Prev.; Structure fire, Kapa'a

3/08 – E8, T8, R3; Injured hiker Hoopii Falls, carried out

3/09 – E7, T7, E6, T6, R3, Air1; Multiple brush fires Kokee (multiple days)

3/11 – T7, R3; Injured hiker Kukui Trial, carried out

3/14 – L4, T4, OSB; Two swimmers in distress Acid Drops, OSB rescues

3/14 – E8, T8, R3, Air1; Male pulled from falls @ Hoopii DOA, body airlifted out

3/16 – L4, T4, OSB; Male pulled from water @ Nukumoi, CPR

3/19 – E5, T5, E6, T6, E3, R3, T3, BC2, Prev.; Structure fire Kalāheo
3/21 – E2, T2, R3, Air1, BC3; Snorkeler in distress fronting Wailua Golf Course;
one DOA
3/22 – E7, T7, R3, Air1; Airlifted two stranded hikers off cliff above Polihale
3/24 – E3, R3; Body found by USCG face down in Kalapakī Bay, CPR by KFD
3/29 – E7, T7, R3, Air1; Unresponsive hiker in Kokee
3/31 – E7, T7, R3; Hiker with leg pinned under rock, rescued

April 2018

4/01 – E7, T7; Shed fire Kekaha
4/03 – L4, T4, E5, T5, R3, T3; Structure fire Po'ipū Bay Golf Club House
4/17 – E6, T6, R3, Air1; F fell off cliff near Big Flats; airlifted out
4/17 – T7, R3; Injured hiker Pihea Trail, carried out
4/17 – E2, T2, R3; Injured hiker Sleeping Giant, carried out
4/18 – E1, T1, OSB; Swimmer in distress Pinetrees, CPR
4/21 – E8, T8, E2, T2, R3, Air1; Brush fire mauka of Keālia Kai
4/23 – E8, T8, OSB; Two swimmers in distress 'Aliomanu, assisted to shore
4/24 – E7, T7, R3, Air1; Body recovery Waimea Canyon
4/28 – E8, T8, E2, T2, R3; Brush fire Anahola
4/30 – R3, Air1; Received call from USCG, diver in distress on boat inbound from
Lehua, requested extrication off boat

May 2018

5/03 – E2, T2, R3; Injured hiker Sleeping Giant, carried out
5/03 – E8, T8, Prev.; Food Truck fire
5/06 – E3, R3, Air1, BC1; Airlift injured hiker from Wailua Falls
5/13 – E2, T2, R3, Air1; Airlift hiker that had seizure on Sleeping Giant Trail
5/23 - L4, T4, OSB; Two body boarders in distress Heroine's; rescued brought to
shore
5/24 – E7, T7; Drowning @ PMRF
5/26 – E1, T1, R3, Air1; F fell 20' onto rocks face trauma, airlifted out
5/28 – E6, T6, T5; Multiple brush fires Burns Field
5/28 – E7, T7, R3, Air1; Airlifted injured hiker from Waipoo Falls
5/28 – E1, T1, OSB; Swimmer in distress Taylor Camp, rescued

June 2018

6/01 – E8, T8, R3, Air1; Airlift injured F, Turtle Cove
 6/02 – E8, T8, R3, Air1; Airlift injured hiker from Hoopii Falls
 6/03 – E2, T2, Whaler2: Injured hike Uluwehi Falls, carried to Whaler
 6/07 – E6, T6, E5, T5, R3; Brush fire near 4631 Kane Rd., Hanapēpē
 6/11 – L4, T4, E5, T5, R3, Air1, BC1, PW; Large brush fire Po'ipū
 6/12 – L4, T4, E5, T5; Brush fire Po'ipū bypass
 6/12 – E3, R3, T3, E2, T2, E5, T5, BC3, Prev.; Structure fire Līhu'e
 6/12 – E7, T7; Shed fire Pākalā
 6/13 – R3, Air1; Airlifted injured hiker from Wailua Falls
 6/14 – R3, Air1; Received call from USCG, request to check on two kayaks near Polihale
 6/15 – E7, T7; Drowning Polihale
 6/17 – E7, T7, E6, T6, R3, Air1; Brush fire Kokee
 6/17 – E5, T5, E3, R3; Search for missing person Akemama, found
 6/18 – E5, T5; Hanapēpē Park Bathroom on fire
 6/23 – E5, T5, L4, T4; Three vehicle collision, five patients
 6/23 – E2, T2, R3, Air1, OSB, BC3; Missing swimmer fronting Kaua'i Beach Resort (multiple days, no luck)
 6/24 – R3, Air1; Search for missing hiker Loop Rd, no luck, walked out
 6/24 – E1, T1, R3, Air1, OSB; Hiker with heat exhaustion on Hanakāpī'ai Trail
 6/25 – E7, T7, R3; Injured hiker Awaawapuhi Trail, carried out
 6/26 – E7, T7, Prev.; One room fire Waimea

EMERGENCY CALL REPORT BY INITIAL DISPATCHED UNIT

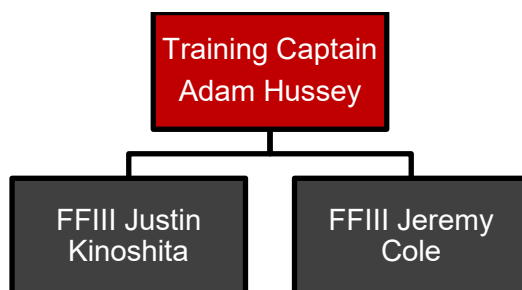
Incident Type	Sta 1	Sta 2	Sta 3	Res 3	Sta 4	Sta 5	Sta 6	Sta 7	Sta 8	Total
Fire	45	58	31	10	14	17	47	35	69	326
Rupture/Explosion	0	2	3	0	0	0	0	0	0	5
EMS/Rescue	465	726	675	552	543	507	296	340	639	4743
Hazardous Condition	18	7	12	6	6	7	2	0	11	69
Service Call	36	48	73	43	44	43	11	39	57	394
Good Intent	158	90	126	63	82	335	12	33	98	698
False Call	51	20	38	18	39	17	8	4	15	210
Severe Weather	1	0	0	0	0	0	0	0	0	1
Other	0	0	0	1	0	0	0	0	0	1
Totals:	774	951	958	693	728	626	376	451	889	6446

TRAINING AND RESEARCH BUREAU

The Training Bureau assists training cadres with planning annual program budgets, developing new training, and assuring all mandatory trainings are provided.

In FY 2018 to 2019 the Training Bureau established Training Bureau Rules and Regulations as well as a Training Bureau SOG. These documents serve as a resource to future Training Staff and provide training consistency and continuity for the department.

A Fire Captain and two Fire Service Trainers (FFIII) staff the Training and Research Bureau. They are tasked with coordinating the training of all Fire Fighter Trainees and line personnel.



MISSION STATEMENT

The Training Bureau's motto is "Commitment to Excellence".

This motto realized by three goals.

GOALS AND OBJECTIVES

- "Create a culture where people are hungry to learn." The hope is to provide exciting and interesting training in a positive atmosphere where we fail forward. These instances are teaching points to help encourage a positive mindset and a desire to learn.
- "Every Day we get a little bit better." This strengthens the idea that everyone in the Kaua'i Fire Department should continually strive for personal and department wide improvement and growth.
- "Be a full stack." The final guide is built upon the observations of a FF3 that a full stack of pancakes is better than a short stack. The same logic is applied to American Fire Service and team building. The belief is the Training and Research Bureau must itself function as a full stack or crew. Everyone works trains, exercises, and brainstorms together to encourage continual improvement. Fostering teamwork influences the design of all classes created in the Training and Research Bureau.

ACTIVITIES AND TRAINING

Training programs were defined and a limit was established. Fire fighters can only be on two training programs. Each program provided mandatory refresher training as needed.

- ASHER/NFPA 3000
- Blue Card
- Driver Training
- Extrication
- Fire Ground Initial Attack
- Fire Ground Survival/RIT
- HAZMAT
- Health and Wellness
- Helicopter
- EMS
- PADO/AADO (Pumping Apparatus Driver Operator)
- Ropes
- Swift Water Rescue
- USLA

Budget - FY 2018 – 2019

- Original budget: \$1,533,198.
- Total expenditures: \$1,177,423

ACCOMPLISHMENTS

- a. Classes Provided IFSAC Certification offered in FY 2018 – 2019. Certificates were awarded in the following disciplines.
 - i. Firefighter I and II
 - ii. HAZMAT Awareness and Operations
 - iii. Fire Instructor I and II
- b. Recruit Training
 - i. Recruit Class 29. Overarching goal of Recruit Training is to instill a service-oriented mindset. Training has the goal of creating a workforce united towards a goal of career long service and improvement.
 - ii. Participated in ARFF Triennial Exercise This was in conjunction with a focus on building KFD's All Hazards Incident Management Team
- c. Hosted National Fire Academy off campus courses

FIRE PREVENTION BUREAU

The Fire Prevention Bureau is tasked with the reduction and prevention of fires and life-safety hazards that lead to personal injury and property damage. Raising public awareness through fire safety education that prevents hazardous conditions from occurring, and heightening the public's awareness of fire prevention is the primary focus of the Prevention Bureau. The Prevention Bureau is also challenged with the timely inspection of schools, hospitals, care homes and other commercial occupancies to minimize hazardous fire conditions; the review and approval of commercial building construction plans to ensure compliance with the County Fire Code and required fire protection features and systems; to review, update, and enforce the County Fire Code; to investigate and determine the origin and cause of fires for statistical data and seek the prosecution of person(s) who cause incendiary fires; and to maintain inspection and investigation records for the assessment of Fire Prevention Bureau objectives in creating a fire-safe environment for the County of Kaua'i.

DUTIES:

1. To promote fire prevention and life safety awareness in the community.
2. To reduce and minimize fire hazard conditions.
3. To investigate the origin and cause of fires.
4. To enforce the Kaua'i County Fire Code.

ACTIVITIES:

The focus of the Bureau is to provide fire safety and fire prevention education to the schools and the community. In an effort to promote "Fire Safety", the Fire Prevention Bureau participates in various business and community activities. These activities include, but are not limited to: Fire Prevention Week, job fairs, career fairs, fire extinguisher training, fire safety education workshops and fire safety displays.

The Bureau has implemented an "in today – out today" priority rule with the reviews and approvals of the majority of building permits. Along with the review of building plans comes the education of contractors, architects and engineers on the current codes and trends. This lends itself to ongoing communications with different businesses and members of the community for clarification and formal interpretations on the Fire Code.

The Statewide School Fire Inspection Program with the cooperation of the State Fire Council (the four County Fire Chiefs), the Department of Education, and the Department of Accounting and General Services continue to provide solutions for Fire Code violations by establishing statewide standards. The goal of the DOE is to meet all Fire and Life Safety concerns, and they are working diligently toward compliance.

Fire Inspections are also conducted on an annual basis at all State run pre-schools on the island. This is upon request by The Department of Human Services. Fire Code compliance is regulated to protect the safety and welfare of our keiki.

“Sparky the Fire Dog” made cameo appearances at various community events i.e., Waimea Town Christmas Parade, Līhu‘e Christmas Lights Parade, Kukui Grove Christmas Parade, the County’s Halloween Spooktacular, and Kaua‘i Farm Bureau Fair.

Fire Inspectors Michael Thompson, Russell Vierra, and Jace Schaefer attended the 40 hour Fundamentals of Fire Investigation course put on by the International Association of Arson Investigators. This course is a five day training on the core essentials of conducting a fire investigation.

Prevention Captain Daryl Date and Fire Fighter Dylan James attended the FireShows West Conference and Expo. This conference provided an array of valuable educational sessions, ranging from fire operations, leadership, fire prevention, and fireworks safety. There were also educational sessions regarding unmanned aerial vehicles which helped in the implementation of Kaua‘i Fire Departments drone program.

Prevention Captain Daryl Date, and Inspectors Vierra and Schaefer attended the Educode Conference. This conference provided education in the utilization of the International Building Code, in which we cross reference quite often in plan review and inspections. Sessions on Fire Sprinkler Plan Review and Fire Alarm Systems were also offered.

Fire Inspector Thompson attended an NFPA 13 (Installation of Sprinkler Systems) seminar. This was essential for his temporary assignment role to Fire Lieutenant, whose main responsibility is plan review.

Inspector Thompson and Vierra attended the Hawai‘i Association of County Building Officials conference. Members of the Building Departments and Fire Departments statewide, who are involved with building permits come together and discuss issues. There are also presentations on subject matters that may involve multiple counties throughout the state.

The eleventh annual brushfire mitigation meeting was held at the beginning of the summer season for the major landowners of Kaua‘i. This is an opportunity to remind the land owners of their responsibilities per the fire code as it relates to wildland urban interface. The CWPP (Community Wildfire Protection Plan) for Kaua‘i was discussed. Landowners are informed of federal grants that are available for brushfire mitigation. Contacts are updated, as well as a list of resources that may be available in fire situations. A meteorologist from NOAA also gave a presentation on the weather outlook for the calendar year.

The Prevention Bureau assisted in the training of the latest recruit class of firefighters. The recruits were taught the duties of fire prevention such as: inspections, investigations, and public education. They were brought to a number of different businesses to go through actual fire inspections.

Presentations were made at the New Fire Captain and New Fire Fighter III Boot camps. The boot camp was designed to provide essential information to the newly promoted. This multi –day event covered an array of different subject matters. Presentations in regards to fire prevention dealt with fire Investigations.

A number of fire extinguisher trainings were conducted throughout the year to different businesses as well as community groups and special event patrons. The proper use of a fire extinguisher is quite simple, but the concepts really sink in when one is actually utilized in a controlled environment.

The Fire Safety Trailer again was the hub of the Bureau's education program. It was brought to all of public elementary schools as well as some private and charter schools. Emphasis was placed on having the first and third grade students experience this hands-on training device. With the smaller schools, the entire student body was able experience it.

We participated in a number of community functions such as: Home Depot's child project day, the Waimea High School Health Fair, the Aloha School Carnival, the Department of Water's "Make A Splash".

Through the Prevention Bureau, the drone program for the department is up and running. Three firefighters have passed the pilot's license test. The drone that we possess can now be flown to conduct aerial surveys for rescues, fires, and inspections.

Fire Prevention Week – October 7-13, 2018

Fire Prevention Week Activities take place on the week of October 9. It is a commemoration of the Great Chicago Fire of 1871. The 2018 National Fire Protection Association's Fire Prevention Week theme was "**Look. Listen. Learn.**

Be Aware. Fire Can Happen Anywhere".

The Fire Fighter's Safety and Health Guide Program (FFSHG) has been implemented throughout the State for twenty-three years. The Guide features a multi-page booklet with fire prevention messages, fire safety messages and problem solving activities. Students in grades K through 5 draw individual home fire escape plans with the assistance of parents and teachers. Students are also encouraged to practice their fire escape plan with their families to insure that the proper procedures are followed in the event of a fire emergency.

As an incentive for student participation, the FFSH guides contained a coupon book with a number of valuable coupons.

This is the Seventh year that we incorporated the fire safety trailer to educate the children on the basic principles of fire safety, such as: have working smoke alarms, create a fire escape plan showing 2 ways out, stay low and go, have a safe meeting place, call 911 from a safe location, and to practice the plan. Not only was education focused on fire safety, but hands-only CPR was also included as a component into the curriculum. This very simple technique has proven to be effective in resuscitating someone in cardiac arrest. Thousands of adults and children will now be educated on this life saving skill.

The Fire Fighter's Safety and Health Guides are distributed in the Fall, for Fire Prevention Week. The Fire Safety Trailer goes to the schools in the spring to help reinforce the fire safety messages.

The Fire Prevention Week message was distributed in The Garden Island newspaper in a number of different languages: English, Japanese, Hawaiian, and Filipino. A spadia in the Sunday paper profiled all of the members of the fire department at their respective work assignments, as well as fire safety tips. The Kaua'i Family Magazine featured Fire Prevention Week in a full page layout in their Fall issue.

Structure Fire Investigations

Fire investigations conducted by the Bureau during the fiscal year July 1, 2018 through June 30, 2019:

July 2018

07/27/18	Hanalei Colony Resort	Undetermined \$1,000,000
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August 2018

08/17/18	Residential Structure 6337 Kaukalaka Kapa'a	Undetermined \$350,000
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08/28/18	Residential Structure 4232 Anahola Rd. Anahola	Accidental \$14,000
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September 2018

09/04/18	Y. Hata Lihu'e	Accidental \$1,500,000
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09/04/18	Residential Structure 722 Akalei St. 'Ele'ele	Accidental \$300,000
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October 2018

November 2018

11/05/18	Residential Structure 2-2494 Kaumuali'i Hwy. Kalāheo	Undetermined \$130,000
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December 2018

12/01/18	Residential Structure 4554 Kaa Rd. Kapa'a	Undetermined \$75,000
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January 2019

01/03/19	Residential Structure 3-3090 Kaumuali'i Hwy. Kalāheo	Undetermined \$700,000
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February 2019

02/10/19	Kekaha Sugar Mill Kekaha	Incendiary \$50,000
02/18/19	Residential Structure Emmalani Court Princeville	Undetermined \$350,000
02/25/19	Storage sheds Hanapēpē Stadium	Undetermined \$175,000

March 2019

03/06/19	Residential Structure 5671 Kaapuni Rd. Kapa'a	Undetermined \$20,000
03/19/19	Residential Structure 2-3930C Kaumuali'i Hwy. Kalāheo	Accidental \$650,000

April 2019

04/04/19	Po'ipū Bay Clubhouse Po'ipū	Accidental \$40,000
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May 2019**June 2019**

06/12/19	Structure Fire Halelani Village Līhu'e	Accidental \$20,000
06/18/19	Structure Fire Restroom Building Hanapēpē Park	Incendiary \$11,000
06/26/19	Structure Fire 9759 Laau Rd. Waimea	Accidental \$6,000

Total Damage Amount **\$ 5,391,000**

Fire Safety Trailer

- Department of Water's Make A Splash – 100
- Kamehameha Preschool Kaumakani – 90
- Kamehameha Preschool Anahola – 46
- Haloa Preschool – 60
- Waimea High School Health and Wellness Fair – 75
- St. Catherine's School – 175
- Kaua'i Christian Academy – 100
- Kalāheo Elementary School – 323
- Aloha School Carnival – 100

- Kōloa Elementary School – 268
- Kapa‘a Elementary School – 776
- Kōloa Elementary School – 260
- Kīlauea Elementary School – 383
- Wilcox Elementary School – 547
- ‘Ele‘ele Elementary School – 375 Kekaha Elementary School – 404
- King Kaumuali‘i Elementary School – 435
- Hanalei Elementary School - 238

Total Encounters – 4,755

Fire Extinguisher Training

- KCC Culinary – 25
- Hilton Garden Inn – 34
- Westin Princeville – 30
- Sun Village – 16
- Wilcox Hospital – 102
- Kaua‘i Government Employees Federal Credit Union – 20
- Kamehameha Preschool Kaumakani – 15
- Kaumakani Senior Center – 4
- Department of Labor – 23
- Grand Hyatt – 55
- Sheraton Kaua‘i – 37
- Kaua‘i Care Center – 45
- Community Disaster Preparedness Fair – 21
- Summer Enrichment employees - 80

Total Encounters - 507

Fire Safety Presentation

- County’s Health and Wellness Fair – 88
- Līhu‘e Senior Center – 30
- CFS Boys Fall Camp – 10
- Kōloa Landing Health and Wellness Fair – 47
- Kapa‘a Elementary School – 130
- CAK Homeshow – 78
- Ag Awareness Day – 300
- Salvation Army – 30

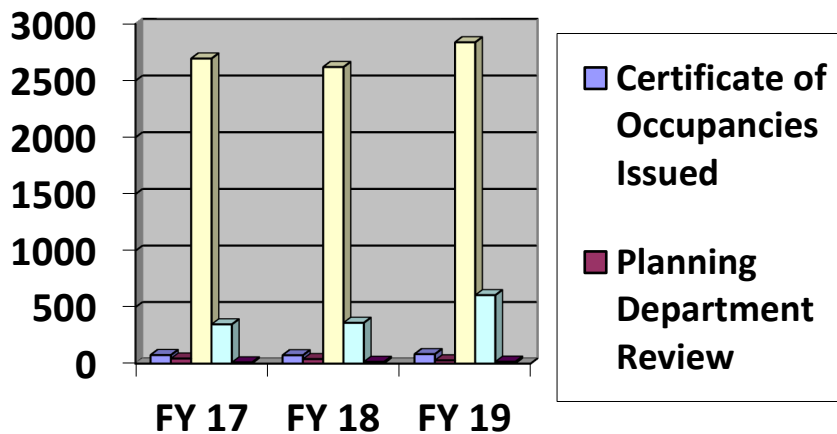
Total Encounters – 713

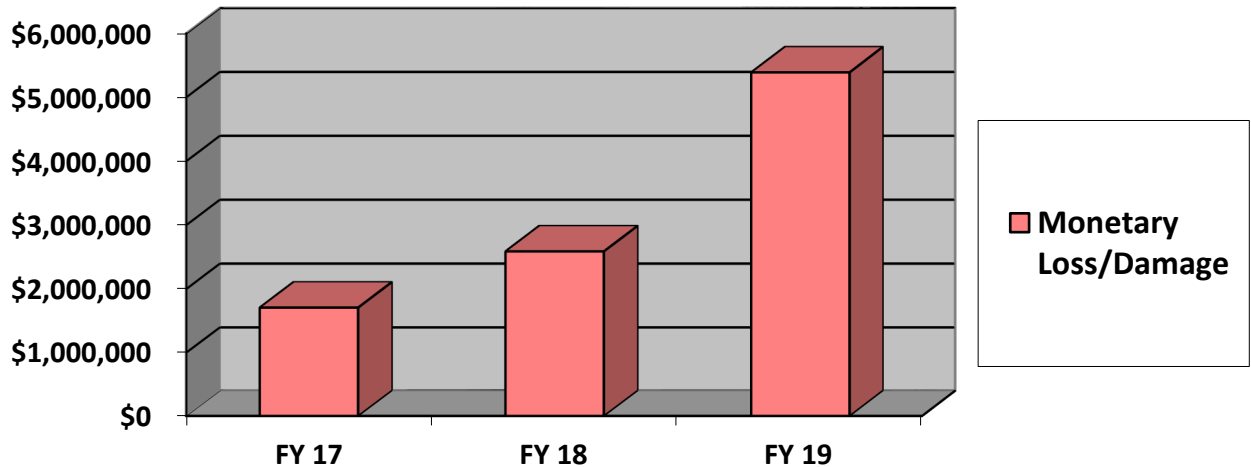
INSPECTIONS/ACTIVITIES – ALL TYPES

Hospitals	0
Adult Residential Care Home	2
Schools (Pre, public, private, adult Ed)	53
Certificate of Occupancy	84
AG/UG Tank Installation	9
Tank Removal	1
Planning Department Reviews	29
Building Permit Plans Review	607

ADU Clearance Reviews	70
Temporary Structure/Tent Permits	34
Fireworks License Applications	16
Firecracker Purchase/ Use Permits	426
Fireworks Inspections	33
Fire Investigations	17
Notice of Violation	2
Fire Protection Systems Review	15
Witnessed Acceptance Tests	52
Preliminary Project Reviews	10
Business Occupancy Inspections	157
Complaint Investigations	8
DOH Agriculture Burning Permits Reviewed	35
Miscellaneous Inspections	24
Re-Inspections	18
Code Research Projects	238
State Fire Council Meeting/Activity	2
Correspondence In/Out	145
Miscellaneous	708
Fire Safety Trailer Events	28
Fire Extinguisher Training	16
Total Activities	2839

PREVENTION ACTIVITY	FY 17	FY 18	FY 19
Certificate of Occupancies Issued	76	74	84
Planning Department Review	45	40	29
Inspection, Activities, all types	2,696	2,621	2,839
Plans reviewed	348	362	607
Fires Investigated	11	16	17
Monetary Loss/Damage	\$1,710,000	\$2,589,500	\$5,391,000





OCEAN SAFETY BUREAU

MISSION STATEMENT

The mission of the Ocean Safety Bureau is to provide a comprehensive ocean safety and lifeguard program for the island of Kaua'i. That includes prevention, response, rescue and public education components.

PROGRAM

The Kaua'i Fire Department, Ocean Safety Bureau has the responsibility to provide ocean safety awareness, safeguarding beach patrons, responding to emergencies, and providing medical aid. A professional lifeguard service protecting Kaua'i's residents and visitors. The Ocean Safety Bureau program also includes prevention, risk management, ocean rescues, completing records and reports, training and maintenance of equipment, and public education programs. With support of different community groups, like the Kaua'i Lifeguard Association, Hawaiian Lifeguard Association, The Kaua'i Visitors Bureau, State Drowning and Spinal Cord Injury Prevention Committee, The Rotary Clubs, the goal of raising ocean awareness is being realized.

Staffing is the most vital component to any life guarding service. There are 50 full-time positions, and 9 part-time positions, in the Ocean Safety Bureau, 4 of the full-time and 1 part-time positions are State funded for Kē'ē Beach. OSB has a three district operation, District #1= North, District #2 = East district, and District #3 = South/West district, with 1 working supervisor, and 1 Captain in each district. A prevention/training OSO IV Captain oversees an OSO III training position, responsible of keeping all mandatory certification training, prevention and education programs, and creating training to the highest effective level. The Ocean Safety Bureau also has an office support technician/clerk assisting with all

office duties, with an overall bureau operations supervisor overseeing all operational tasks.

There are a total of ten (10) Lifeguard Towers in full-time operation. North District; Hanalei (Pavilion), Hanalei (Pine Trees), Hā'ena Beach Park, and Kē'ē Beach. East District; Anahola, Keālia, and Lydgate Beach. South/West District; Po'ipū, Salt Pond, and Kekaha Beach.

Equipment is another important part of the rescue operations. We currently have the three districts with a Roving Patrol Jetski units. With the Fire Departments rescue boats, the Island of Kauai is well covered by ocean going vessels. All-terrain vehicles (ATV) are also used in the OSB's operation Kealia, Ha`ena, Kē'ē, Lydgate, Anahola, and Kekaha Beach, which are utilized in a professional and successful manner. 3 new utility vehicles (Mules) are also stationed at vary locations to assist with patrols and response times.

Objectives

- To promote ocean safety awareness in the community, and develop a drowning prevention educational program.
- To provide lifeguard services at beach areas around Kaua'i as determined by risk management, demographic analysis and resource allocation.
- To maintain and develop training programs to assure our personnel are at the highest effective level.
- To develop and implement an effective management structure with an appropriate span of control.
- To increase personnel to a more effective level.
- To reduce response times and increasing the chain of survival by upgrading to the state of the art equipment.
- To integrate smoothly with current emergency response units.

ACTIVITIES

Education is a huge part of the Ocean Safety Bureau's program. The Junior Lifeguard program is an ongoing success, targeting 12 to 17 yr. old young men and women. In 2018 the ocean safety bureau produced a few State Champions and placed #2 in the State Championships. Getting second place after a long winning streak of twelve consecutive years. There were over 300 kids who participated in the program. There were 3 different locations with two session at each location. Salt Pond, Hanalei, and Kalapakī. With two session at each location we could cover most of the Island to educate Kaua'i's youth of ocean safety awareness and keep the next generation active, drug free, and positive. This program was made possible by a number of community groups and agencies, like the Kaua'i Lifeguard Association, Hawaiian Lifeguard Association, and Fire Department. This program is a great recruiting tool for future lifeguards for the bureau, as we have 6 employees whom graduated for the Jr Lifeguard program.

The OSB also has a Keiki Lifeguard program for kids 8 to 11 years of age. The Keiki program included 3 locations with two sessions each location. Salt Pond, Hanalei, Kalapakī Beach with 50 kids per location, for a total of 300 participants.

OSB Chief D. Vierra attended the USLA Board of Directors conference in Florida

Heavy rainfalls created massive flooding conditions on the North Shore community. Road closures and some community areas closed due to washed out roads. Kē'ē & Hā'ena towers had to be closed due to road closure and ongoing construction.

OSB is involved with a number of community service events around Kaua'i. OSB was involved in the annual Kauai World Challenge one man canoe race, the Hanalei Bay ocean swim, and Na Pali SUP race. Other community groups like High School career days and different intermediate schools also benefit from Ocean Safety Awareness presentations.

Mandatory training has been ongoing to warrant the highest level of a professional. Training includes Open Ocean Lifesaving training following the guidelines of the United States Lifeguard Association (USLA), annual First Responder recertification, and annual CPR/AED certifications. Other training involves ATV safety rider's course, Emergency Vehicle Driver training and Boating Safety training.

The Roving Mobile Units have developed into mandatory training because of the numerous outstanding rescues, reduction of drowning incidents and the increase of community preventions and awareness. The Rescue Craft Program has definitely enhanced ocean safety services, by reducing response times, extending beach coverage, and lifesaving techniques are setting standards worldwide. Additional rescue craft training was provided by the Ocean Safety staff. Future goals are to work together with the outer Islands and the union to create a rescue craft operator position. A supplemental agreement has been established for operator and crew member compensation.

All trucks are equipped with AED's, O2 units, 1st aid kits, and all proper ocean rescue equipment. All the trucks are available to respond to any ocean related emergencies and will not have to use the tower equipment.

The new prevention/education trailer has been in full operation and has become very valuable to the Ocean Safety Bureau. The trailer has been utilized at various schools, career days, farm fair, and any other organization requesting ocean safety awareness presentations or education. The education trailer has been very useful to the Jr. Lifeguard Program as well. OSB & KLA has combined forces in producing a NEW ocean safety video that is playing regularly at the baggage claim areas of the Līhu'e Airport and a few resorts around the island.

There were 9 deaths, related to drowning from swimming pools, snorkeling, fresh water, or scuba diving accidents. All 9 drownings occurred at unguarded beaches. With 347 rescues/assist, we had the potential for a much higher count. Also note the rescues do not count the Fire Department rescue, local surfer rescues, or other public assistant rescues.

ACTIVITY SUMMARY

The fiscal year ending June 30, 2018 was a well below average year statistically.

Tower Activity – Summary

Drownings	9
Rescues/Assist	277
Public Contact	185,967
Preventative Action	102,989
Minor First Aid	5,240

Roving Mobile Units - Summary

Jet Ski Rescues/Assist	34
Other Rescue/Assist	36
Public Contact	14,396
**Preventative Actions	3,583
Minor First Aid	376

Total participants on Guarded Beaches and Mobile Patrol: *2,494.691

**Preventive Action and Minor First Aid counts are included in Public Contact totals.

Note: Participants on guarded beaches: Physical counts are taken three times daily at 10:00 a.m., 1:00 p.m. and 4:00 p.m. The following figures reflect the average of these physical counts.

IV. BUDGET

KAUAI FIRE
DEPARTMENT
APPROPRIATION
BALANCE - FY 2018-2019
As of June 30, 2019

Includes payroll dates 6/28/2019 & 7/15/2019

Percent of FY Expended	100.00%
Percent of FY Remaining	0.00%

ACCOUNT	Original	Revised	Total Expenses	Bal of Appr
	Budget	Budget	To Date	Incl Encumbr
ADMINISTRATION TOTALS	\$ 2,319,675.00	\$ 2,719,475.00	\$ 2,672,817.75	\$ 46,657.25
OPERATIONS TOTALS	\$ 22,352,882.00	\$ 21,757,869.00	\$ 21,524,518.68	\$ 233,350.32
PREVENTION TOTALS	\$ 990,410.00	\$ 937,913.00	\$ 814,221.16	\$ 123,691.84
TRAINING BUREAU TOTALS	\$ 1,533,198.00	\$ 1,517,588.00	\$ 1,177,553.17	\$ 353,834.83
OCEAN SAFETY TOTALS	\$ 4,902,596.00	\$ 5,152,116.00	\$ 5,092,978.83	\$ 59,137.17
	\$ 32,098,761.00	\$ 32,084,961.00	\$ 31,282,089.59	\$ 816,671.42

AUTHORIZED PERSONNEL
June 30, 2019

ADMINISTRATION

Fire Chief	1
Deputy Fire Chief	1
Fire Assistant Chief	1
*Administrative Services Officer	1
*Accountant II	1
*Private Secretary	1
*Secretary	1
*Accountant I	1

MAINTENANCE

*Lead Fire Equipment Mechanic	1
*Fire Equipment Mechanic	1

TRAINING BUREAU

Fire Captain	1
Fire Fighter III (Trainer)	2

FIRE PREVENTION BUREAU

Fire Captain	1
Fire Prevention Inspector II	1
Fire Fighter III (Prevention Inspector)	3

FIRE SUPPRESSION & HAZMAT/RESCUE

Battalion Chief	3
Fire Captain	27
Fire Fighter III	27
Fire Fighter II (Rescue)	6
Fire Fighter II (HazMat)	9
Fire Fighter I	53
Fire Fighter Trainee	10

OCEAN SAFETY BUREAU

Ocean Safety Officer V	1
Ocean Safety Officer IV	4
Ocean Safety Officer III	4
Ocean Safety Officer II	38
Ocean Safety Officer I	12
*Program Support Technician II	1

SUB-TOTALS

Uniformed Personnel – Fire	146
Uniformed Personnel – Ocean Safety	59
*Civilian Personnel	8
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GRAND TOTAL

213