



Fire Department

Fiscal Year 2020 Annual Report

July 1, 2019 – June 30, 2020

Steven R. Goble
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 Kaua'i Fire Department (KFD) is dedicated and highly motivated to make our community safe. The KFD team has effectively carried out duties to achieve 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 Kaua'i a safer place by supporting and promoting training for the community; 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 2019

7/1 – E2, T2, R3, Air1; Airlift injured hiker, Sleeping Giant

7/2 – L4, T4, JS4; Four SUP's in distress Kukui'ula Harbor, rescued

7/4 – E7, T7, Prev.; One room house fire Waimea

7/5 – E7, T7, R3, Air1; Airlift injured hiker, Waipo'o Falls

7/9 – E3, R3, T3, E2, T2, BC3, Prev.; Storage unit fire, Līhu'e

7/10 – L4, T4, E5, T5, R3, T3, BC2, Prev.; Maintenance building fire, @ The Point
Po'ipū

7/12 – E1, T1, R3, Air1; airlift injured hiker Kalalau

7/12 – E8, T8, E2, T2, E3, R3, T3, BC2, Prev.; Structure fire Anahola

7/15 – E7, T7, R3; Injured hiker Waipo'o Falls, carried out

7/21 – E7, T7, R3; Injured hiker Waipo'o Falls, carried out

7/23 – E7, R3; Injured hiker Kukui Trail, carried out

7/23 – T7, R3, Air1, OSB; Missing swimmer Polihale (search multiple days, never
found)

7/25 – E2, T2, R3, Air1, OSB, BC3; Kitesurfer in distress (high waves & wind),
made it to shore

7/25 – L4, T4, R3, Air1, BC3; Two missing swimmers, Po'ipū Beach Park, found
safe

August 2019

8/1 – E8, T8, R3, Air1; Injured hiker airlifted out, Ho‘opi‘i Falls

8/2 – E7, T7, E6, T6, R3, T3, Prev.; Structure fire Kekaha

8/4 – E2, T2, R3, Air1; Vehicle with occupants, trapped in high water, 2nd crossing Loop Rd., occupants saved

8/5 – E1, T1, R3, Air1; Injured hiker airlifted from Hanakāpī‘ai Falls

8/9 – E2, T2, Prev.; Report of smoke, Li-ion batteries exploded Plantation Hale

8/17 – E2, T2, Whaler2, R3; Injured hiker Uluwehi Falls, carried and boated out

8/23 – R3, Air1; Airlifted mother (anxiety) & two children Hanakoa LZ

8/24 – E1, T1, Z1, R3, Air1, KFD Dive Team, OSB, BC2; Missing diver Anini (multiple days, never found)

8/25 – E8, T8, E2, T2, R3, T1, Air1; Brush fire Anahola

8/27 – E1, T1, R3, Air1; Airlifted injured hiker from Hanakāpī‘ai Trail

8/28 – E7, T7, R3; Injured hiker Waimea Canyon Trail, carried out

September 2019

9/1 – E6, T6, R3, Air1, OSB; Over turned F. Kayaker off Glass Beach, rescued

9/3 – E1, T1, OSB; M swept off rocks Queens Bath, swimmer swam to safety

9/4 – L4, T4, R3, Air1, OSB; Kayaker in distress outside Spouting Horn, rescued

9/4 – E1, T1, R3, Air1; Airlifted injured hiker from Hanakāpī‘ai Beach

9/10 – E1, T1, R3, Air1; Airlifted injured hiker from Hanakāpī‘ai Falls

9/12 – L4, T4, R3, Air1, OSB; Body recovery, shoreline near Allerton’s Gardens

9/15 – E2, T2, Whaler2, R3; Injured hiker, trail to Uluwehi Falls, carried to boat

9/16 – E7, T7, R3, Air1; Airlifted injured hiker from Waipo‘o Falls

9/22 – E7, T7, R3; Search for missing F hiker Awa‘awapuhi trail. Second call for two more missing hikers same location. All three found safe

October 2019

10/6 – R3, Air1; Airlifted two stranded on Honopū Kai

10/6 - L4, T4, R3, Air1, OSB; Body recovery of diver run over by a boat, outside Shipwreck’s

10/9 – E2, T2, Whaler2, R3, BC3; Hiker collapse on Uluwehi Trail, CPR called, body brought to Wailua Marina

10/10 – T7, R3; Injured hiker Awa‘awapuhi Trail, carried out

10/17 – E2, T2, E8, T8, E3, R3, T3, L4, T4, E5, T5, BC2, Prev.; Restaurant Kintaro
fire
10/19 – R3, Air1; Airlifted injured hiker from Kalalau Beach
10/24 – E7, T7, R3, Air1; Airlifted injured hiker from Awa'awapuhi Trail
10/25 – R3, Air1; Airlifted injured hiker from Kalalau Beach
10/25 – E5, T5, E6, T6, T4, T7, E3, R3, T3, BC3; Brush fire Lāwa'i
10/27 – E1, T1, OSB; Drowning Kalihiwai River mouth
10/31 – E1, T1, OSB; Swimmer in distress Kaupea, CPR

November 2019

11/2 – E1, T1, R3, Air1; Airlifted injured hiker from Hanakāpī'ai Falls
11/3 – E7, T7, R3, Air1; Airlifted injured hiker from Polihale, fell 50' off cliff
11/4 – E1, T1, R3, Air1; Search for missing hiker Powerline Trail. Hiker walks out
next day
11/5 – E5, T5, R3, Air1; Search for missing person Kalāheo
11/5 – E2, T2, R3, Air1; Airlifted injured hiker from Sleeping Giant Trail
11/6 – E8, T8, T2, Air1; Brush fire Anahola
11/7 – E1, T1, R3, Air1, OSB; Airlifted injured hiker from Hanakāpī'ai Trail
11/16 – E1, T1; F washed down flooded Wainiha River, rescued off rocks in
Wainiha Bay
11/22 – R3, Air1; Airlifted lost hiker from Powerline Trail
11/22 – E8, T8, E2, T2; Traffic collision in Anahola, three teenagers DOA
11/26 – E3, R3, E8, HazMat 8; Chemical release at Kaua'i High
11/28 – E2, T2, Whaler2, R3; Injured hiker Uluwehi Falls, carried to boat

December 2019

12/4 – L4, T4, OSB; Diver drowns off Baby Beach, Po'ipū
12/15 – E1, T1, E8, T8, E2, T2, R3, T3, BC1, Prev.; Structure fire Kīlauea
12/20 – E7, T7, R3, Air1; Stranded hikers (flooding) bottom Kukui Trail, had to stay
night, next day when weather cleared were airlifted out
12/21 – E1, T1, E8, T8, R3, Air1, BC2; Two swimmers in distress, Moloa'a Bay,
BC2 on scene assist to shore
12/22 – E1, T1, JS1, R3, Air1, OSB; Drowning @ Hanakāpī'ai
12/22 – E8, T8, OSB; Swimmer in distress Pine trees, rescued
12/23 – L4, T4, OSB; Drowning fronting Kiahuna

12/25 – MAJOR FLOODING E8, T8, R3, E1, T1, Radon 3, E2, T2; Many rescues of flood victims and people trapped in cars in high water

12/25 – E2, T2, R3, Air1; Airlifted hiker with medical emergency from Sleeping Giant

12/26 – T7, R3, Air1; Tour helicopter crash (multiple days, recover bodies, and assist NTSB)

12/29 – L4, T4, OSB; Two swimmers in distress Nukumoi, CPR performed on one

12/29 – E7, T7; Swimmer in distress, CPR performed

12/30 – E1, T1, R3, Air1; Multiple injuries @ Hanakāpī'ai due to rogue waves, airlifted to Kē'ē

12/30 – E1, T1, OSB; Three swimmers in distress 'Anini back channel, rescued by OSB, big surf

12/31 – E1, T1, OSB; Swimmer swept out @ Lumaha'i, rescued

12/30 - E2, T2, Whaler2, R3; Injured hiker Uluwehi Falls, carried to boat

January 2020

1/1 – E8, T8, OSB, BC2; Two swimmers in distress 'Aliomanu, assisted back to shore

1/5 – E7, T7, R3, Air1; Hiker with medical emergency on Awa'awapuhi Trail, weather conditions did not permit airlift, carry out

1/7 – E7, T7, E6, T6; Vehicle accident, multiple injuries

1/8 – E3, R3; Two swimmers in distress Kalapakī Bay, assisted to shore

1/8 – E6, T6, E7, T7, E5, T5, R3, T3, BC2, Prev.; Structure fire Hanapēpē Valley

1/19 – L4, T4, E5, T5, R3, T3, BC2, Prev.; Fire exterior of Pietro's Pizza, Kōloa

1/25 - E7, T7, R3, Air1; Airlifted injured hiker from Pihea Trail

1/30 - E1, T1, R3, Air1; Airlifted hiker with medical emergency from Hanakoa Valley LZ

February 2020

2/1 - E7, T7, R3, Air1; Search for overdue hiker (found next day)

2/12 - L4, T4, OSB; F fell off cliff @ Shipwreck's, found face down in water, brought to shore, CPR

2/12 - E1, T1, R3, Air1; Airlifted injured hiker from Okolehau Trail

2/13 - E2, T2, Whaler2, R3; Injured hiker Uluwehi Falls, carried to boat

2/14 – E2, T2, E8, T8, E3, R3, T3, BC2, Prev.; Structure fire Kapa'a

2/16 – E2, T2, OSB; Swimmer in distress Lydgate, rescued
2/20 - E1, T1, R3, Air1; Airlifted injured hiker from Kalalau Beach
2/21 – E8, T8, R3, Air1; Airlifted injured hiker from Ho‘opi‘i Falls
2/21 - L4, T4, OSB; Search for missing diver, found
2/21 - E1, T1, OSB; Swimmer swept out @ Lumahai, rescued
2/23 - E1, T1, R3, Air1; Airlifted hiker with medical emergency from Na Pali Trail 8
miles in

March 2020

3/2 – E6, T6, R3, Air1, OSB; Search for missing diver, found underwater, CPR
performed
3/2 - L4, T4, OSB; Swimmer pulled from water, CPR performed
3/7 - E1, T1, R3, Air1; Airlifted injured hiker from Queens Bath
3/10 - E8, T8, E2 T2, Spare E2, R3, Air1, BC3; Brush fire Anahola
3/14 - E5, T5, E6, T6, E3, R3, T3, BC1; Structure fire Kalāheo
3/27 – MAJOR FLOODING E2, T2, R3 evacuate flooded residents from Wailua
River houses

April 2020

4/12 - E1, T1, JS1, R3, Air1; Search for missing suicidal woman in waters off Anini,
found hiding in bushes
4/19 - L4, T4, R3, Air1, OSB; Missing diver, found underwater unconscious, CPR
performed
4/19 - E1, T1, R3, Air1; Swimmer in distress, Kaupea, rescued

May 2020

5/2 - E8, T8, E2 T2, Spare E2, R3, T1, Air1, BC2; Brush fire Anahola
5/9 - E6, T6, R3, Air1, OSB; Overturned unoccupied kayak found outside Glass
Beach, kayaker rescued off rocks
5/14 - E8, T8, R3, Air1; Airlifted lost/stranded (flooding) hiker from Makaleha Falls
Trail
5/26 – R3, Air1; Investigate truck over cliff in Kokee, nobody inside
5/30 - R3, Air1; Investigate kayakers in distress off Hanakoa, nothing found

June 2020

6/11 – E8, T8, E2, T2, R3, BC2; Brush fire behind Kojima’s

6/15 – E2, T2, OSB; Two swimmers in distress, fronting Kapa’a Library, rescued

6/15 - E1, T1, E8, T8, E2, T2, R3, T3, BC2, Prev.; Structure fire in Wainiha

6/19 – L4, T4; Vehicle collision Maluhia, one DOA

6/26 – R3, Air1; Body recovery Kalalau River

6/28 – E1, T1, R3; Hiker collapse on Hanakāpī’ai Trail, CPR performed, carried out

6/28 – E5, T5; Vehicle collision, one DOA

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 | 37 | 60 | 27 | 15 | 6 | 18 | 35 | 25 | 80 | 303 |
| Rupture/Explosion | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| EMS/Rescue | 479 | 665 | 693 | 569 | 519 | 437 | 301 | 323 | 644 | 4630 |
| Hazardous Condition | 5 | 9 | 6 | 5 | 2 | 3 | 2 | 4 | 13 | 49 |
| Service Call | 41 | 37 | 54 | 33 | 42 | 23 | 24 | 62 | 61 | 377 |
| Good Intent | 141 | 77 | 105 | 98 | 119 | 19 | 20 | 24 | 96 | 699 |
| False Call | 56 | 20 | 32 | 8 | 35 | 13 | 13 | 17 | 27 | 221 |
| Severe Weather | 8 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 9 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Totals: | 767 | 868 | 918 | 728 | 724 | 513 | 397 | 455 | 921 | 6291 |

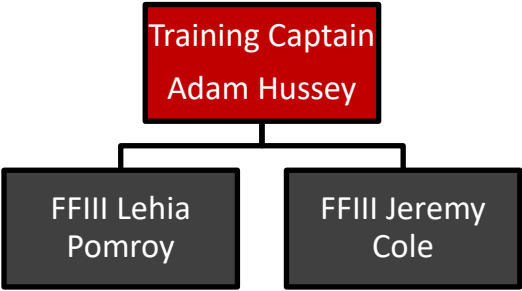
TRAINING AND RESEARCH BUREAU

PURPOSE

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

In FY 2019 to 2020 the Training Bureau followed 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

- I. Program Descriptions
 - a. ASHER/NFPA 3000 – this training program is working to improve KFD’s interactions with KPD and EMS at active shooter events.
 - i. Joint training with KPD at Kaua’i Community College
 - ii. Purchase of ballistic vests and helmets
 - 1. Training line personnel on use.

- b. Blue Card – Program implemented to standardize department communications at emergency scenes.
 - i. 8 certified instructors
 - ii. All captains are BCC certified officers
 - iii. Two remaining classes to finish all FFIII in the department
- c. Driver Training – Provides initial training to DOT standards for new hires. Also conducts refresher training.
 - i. annual refresher for all personnel
 - ii. August 2020, one week with RC30
- d. Extrication – In service training for crews every other year. Cadre also trains new hires for a week in each recruit class.
 - i. Biannual refresher November/December 2020
 - ii. Introduce new heavy duty struts
- e. Fire Ground Initial Attack – Program deals with creating fire ground training to refresh skills, introduce training for new equipment, and keep the line personnel up to date with industry developments in firefighting.
 - i. Multistory attack July/Aug 2020 – This training came about due to Training Bureau staff attending Standpipe operations training provided by Honolulu Fire Department on O’ahu.
- f. Fire Ground Survival/RIT – Program created with assistance from IAFF to train all personnel in surviving and responding to fire ground maydays and emergencies.
 - i. FGS and Pittsburg drill introduced to the department in early 2020.
 - 1. FGS cadre attended training at Pacific Missile Range Facility and pushed new drill to the entire department using in station drills with individual crews.
 - 2. Cadre taught sessions on Forty Hour Schedule to avoid incurring additional overtime cost.
- g. HAZMAT
 - i. Joint training with 93rd CST team
 - ii. Annual refresher training for all personnel
- h. Health and Wellness – Program works on purchasing equipment and advising line personnel on best practices to maintain wellness throughout the department. Cadre mainly works with new hires to assure they have a baseline level of fitness to maintain throughout their 30-year career.
- i. Helicopter – Program conducts on duty refresher training to keep line personnel up to date on best practices in a high-risk low occurrence aspect of fire department duties. The cadre has also implemented standardized training for line personnel and has refined the skills introduction process for new hires.

- j. EMS – Program has implemented annual refresher and in station training for EMS continuing education. EMS cadre assists KCC staff with training new hires in initial NREMT certification. Program also oversees annual refresher needs of the department. New in this fiscal year were in station CPR training visits with KFD Medical Director Doctor Libby Char. These visits came as a result of EMS Cadre members attending the Cardiac Arrest Survival Summit in Seattle, WA.
 - i. NREMT recertification:
 - 1. 44 renewals in 2021
 - 2. 33 renewals in 2022
 - 3. 5 recruits and 3 line personnel to attend NREMT class in September 2020
 - ii. Doctor Char awarded new contract. Replaced year-to-year contract with three-year term, option to extend up to three additional years.

- k. PADO/AADO – Cadre tasked with training line personnel up to IFSAC standards for Pumping Apparatus Driver Operator. New curriculum added in 2019 in an effort to raise department skill levels with using Pumping Apparatus to supply water on the fire ground. Goal of PADO/AADO training is students will receive IFSAC certification. Thirteen line personnel scheduled to receive the five-day class on a 40-hour workweek in FY 2020 – 2021.

- l. Ropes – Program trains the department in the use of new rope rescue skills and equipment. The cadre also trains new hires in basic ropes rescue operations. Introduction and training on the MPD completed in FY 2019 - 2020 to create a safer and simpler ropes rescue system.

- m. Swift Water
 - i. Recruit Class Training to Dive Rescue International standard

- n. USLA – Program oversees the annual refresher training for line personnel and a one-week lifesaving training for new hires. The cadre is also tasked with maintaining Kaua'i Fire Department's USLA ARRT (Aquatic Resource Rescue Team) certification.

- II. Budget - FY 2019 – 2020
 - o. Original budget: \$1,533,642.
 - p. Total expenditures: \$1,241,508

ACCOMPLISHMENTS

- I. Classes Provided IFSAC Certification offered in FY 2019 – 2020. Certificates were awarded in the following disciplines.
 - i. Firefighter I and II

- ii. HAZMAT Awareness and Operations
 - iii. Fire Instructor I and II
 - iv. Fire Officer I
- a. Introduction of fire ground hose handling skills to the department. A three hour in service training was conducted with all 27 crews in Kaua'i Fire Department. This consisted of a 30-minute lecture followed by hands on skills training for every crew. This class laid the foundation of fire ground skills each time a crew responds to a fire and water is used. This training came about as a result of the Training Bureau Staff travelling to Chandler, Arizona and The Dalles, Oregon to receive training on industry best standards.
 - b. Recruit Training
 - v. Recruit Manual reviewed and signed by the Union.
 - vi. RC30 involved the introduction of an instructor mentorship program.
 - vii. 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.
 - c. Training Apparatus
 - viii. Retired Engine 1 outfitted by Recruit Class 30 to serve as a mission capable training engine and front line reserve.
 - d. Cancer Prevention Program
 - ix. New system with one set of turnouts per fire fighter, cleaned and inspected to NFPA standards.

FIRE PREVENTION BUREAU

PURPOSE & INTENT

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 at the County's Food Distribution events in Hanapēpē, Līhu'e, and Hanalei.

The Prevention Bureau has become more involved in the plan review process of one- or two family homes. Our involvement pertains to fire department access and water supply. An ordinance had to be created and was passed by the Mayor's office and the County Council.

There was a revamping of the Kaua'i Fire Department on social media. Due to the physical distancing limitations that were created from the COVID-19 pandemic, we have become a lot more active in producing educational and informational posts on our existing Facebook page and our new Instagram page.

A Junior Firefighter program was established in collaboration with State Crash Fire.

The program was just about to roll out at Kīlauea Elementary School when the pandemic put a damper on it. We were planning to target the elementary age group, exposing them to different skill sets that is encountered in the fire service.

Fire Inspector Michael Thompson attended an explosives training course put on by the local chapter of the International Association of Arson Investigators. Although explosions are rare, the Prevention Bureau now has a member who has formal training on the investigation processes that are involved.

Inspector Thompson was also fortunate enough to absorb information given to him from a National Fire Academy course on Fire Inspection Principles. This course was held in Hilo when it is usually taught in Maryland.

Prevention Captain Daryl Date, Inspectors Russell Vierra and Jace Schaefer, and Firefighter III Sean Smith attended the FireShows West Conference and Expo. This conference provided an array of valuable educational sessions, ranging from fire operations, leadership, and fire prevention. There were also educational sessions regarding unmanned aerial vehicles which helped in the implementation of Kaua'i Fire Departments drone program.

Fire Inspector Michael Thompson attended the New Fire/Arson Investigator Academy course put on by the Public Agency Training Council. This course is a five day training on the core essentials of conducting a fire investigation. Inspector Thompson also attended an interviewing techniques class on the same trip.

Inspectors Michael Thompson and Mathew Ballard 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 reviews and inspections. Sessions on Fire Sprinkler Plan Review and Fire Alarm Systems were also offered.

The twelfth annual brushfire mitigation meeting was held virtually at the beginning of the summer season for the major landowners of Kaua'i. This is an opportunity to remind the landowners of their responsibilities per the fire code as it relates to wildland urban interface. 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, as well as fire extinguisher usage.

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. Due to the COVID-19 pandemic, it was brought to just some of the 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: The Waimea Harvest Festival, and the Aloha School Carnival.

Fire Prevention Week – October 6-12, 2019

Fire Prevention Week Activities take place on the week of October 9. It is a commemoration of the Great Chicago Fire of 1871. The 2019 National Fire Protection Association's Fire Prevention Week theme was "**Not Every Hero Wears A Cape. Plan And Practice Your Escape**".

The Fire Fighter's Safety and Health Guide Program (FFSHG) has been implemented throughout the State for twenty-four 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 ensure 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 Eighth 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, 2019 through June 30, 2020:

July 2019

| | | |
|----------|--|------------------------|
| 07/04/19 | Residential Structure 9728 Kaumuali'i Hwy. Waimea | Accidental \$5,200 |
| 07/09/19 | Residential Structure 2963 Hoolako St. Līhu'e | Accidental \$75,000 |
| 07/11/19 | Point At Po'ipū | Accidental \$20,000 |

August 2019

| | | |
|----------|---------------------------|-----------------------|
| 08/09/19 | Plantation Hale Kapa'a | Accidental \$6,000 |
|----------|---------------------------|-----------------------|

September 2019**October 2019**

| | | |
|----------|--------------------------------|---------------------------|
| 10/17/19 | Kintaro's Restaurant Kapa'a | Accidental \$1,250,000 |
|----------|--------------------------------|---------------------------|

November 2019**December 2019**

| | | |
|----------|--|---------------------------|
| 12/15/19 | Residential Structure 4359 Aalona St. Kilauea | Undetermined \$530,000 |
|----------|--|---------------------------|

January 2020

| | | |
|----------|--|--------------------------|
| 01/08/20 | Residential Structure 4678 Awawa Rd. Hanapēpē | Undetermined \$10,000 |
| 01/18/20 | Opakapaka Grill Hā'ena | Undetermined \$3,700 |
| 01/20/20 | Pietro's Pizza Po'ipū | Accidental \$200 |

February 2020

| | | |
|----------|--|-------------------------|
| 02/15/20 | Residential Structure 5145 Laipo Rd. Kapa'a | Accidental \$130,000 |
|----------|--|-------------------------|

March 2020

| | | |
|----------|---|-----------------------------|
| 03/14/20 | Residential Structure 1071 Puu Rd. Kalāheo | Undetermined \$1,210,000 |
| 03/15/20 | Vacant Warehouse | Undetermined |

Ahukini Rd. Līhu'e \$50,000

April 2020

04/24/20 Residential Structure Accidental
4636 Awawa Rd. Hanapēpē \$3,000

May 2020

June 2020

06/15/20 Residential Structure Undetermined
4540 Ananalū Rd. Wainiha \$185,000

Total Damage Amount \$ 3,478,100

Fire Safety Trailer

- Waimea Harvest Festival – 90
- Kamehameha Preschool – 88
- St. Catherine's School – 167
- Kawaikini – 105
- King Kaumuali'i Elementary – 405
- 'Ele'ele Elementary School – 386
- Kanuikapono Charter School – 209
- Aloha School Carnival – 70
- Kīlauea Elementary School - 361

Total Encounters – 1,881

Fire Extinguisher Training

- Amerigas – 4
- Hilton Garden Inn – 50
- KCC Culinary – 25
- Wilcox Hospital Safety Fair – 55
- Club at Kukui'ula – 117
- Princeville Hotel – 35
- Family Guidance Center – 20
- Hanalei Bay Resort – 26

Total Encounters - 332

Fire Safety Presentation

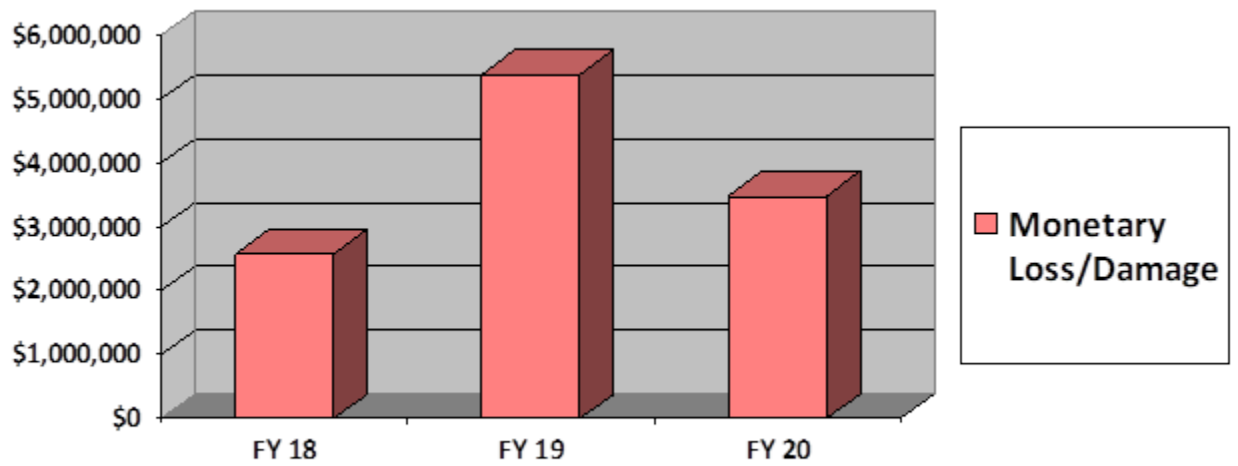
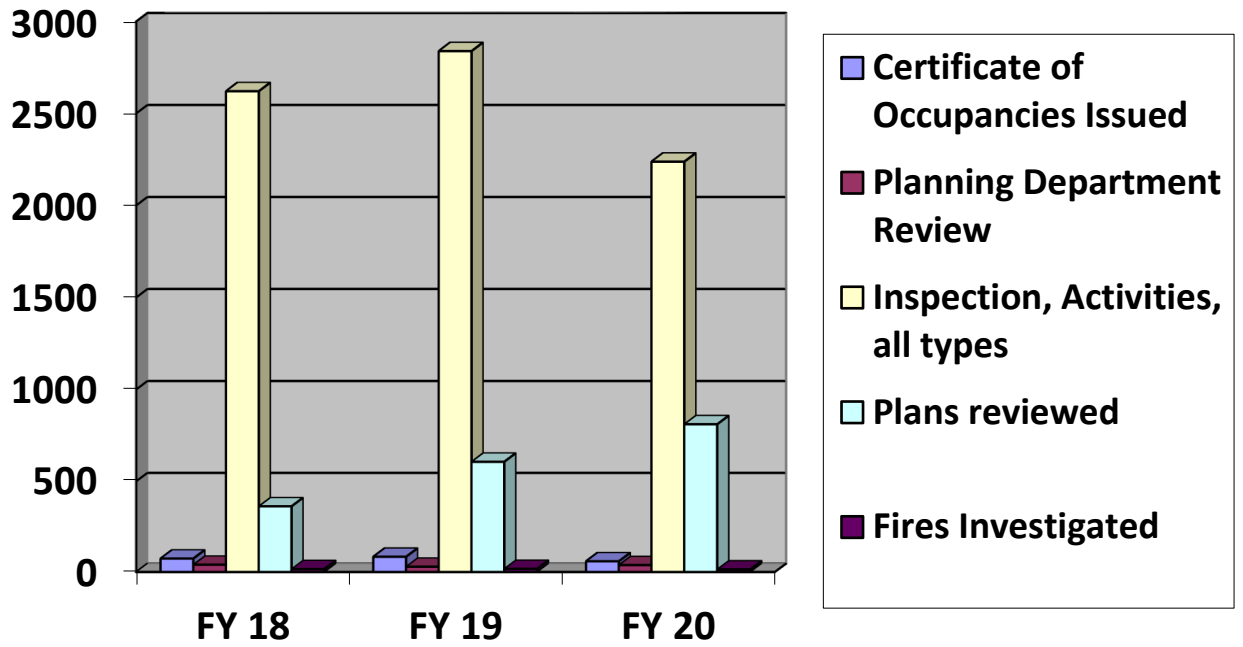
- Kīlauea Senior Center – 30
- County Health and Wellness Fair – 50
- Līhu'e Senior Center – 35
- Grand Hyatt Health and Wellness Fair – 45
- Waimea High School Health Fair - 25

Total Encounters - 185

INSPECTIONS/ACTIVITIES – ALL TYPES

| | |
|---|-------------|
| Fire Investigations | 14 |
| Additional Dwelling Unit/Additional Rental Unit | 54 |
| Building Permit Plan Review | 811 |
| Planning Department Review | 38 |
| Certificate Of Occupancy | 59 |
| Business Occupancy Inspection | 54 |
| Witness Acceptance Test | 49 |
| Fire Extinguisher Training | 11 |
| Fire Safety Presentation | 18 |
| Telephone Inquiries | 806 |
| Complaint Investigations | 3 |
| Sparky Presentations | 8 |
| Fireworks Displays & Inspections | 19 |
| Miscellaneous Activities | 294 |
| | |
| Total Activities | 2238 |

| PREVENTION ACTIVITY | FY 18 | FY 19 | FY 19 |
|-----------------------------------|--------------|--------------|--------------|
| Certificate of Occupancies Issued | 74 | 84 | 59 |
| Planning Department Review | 40 | 29 | 38 |
| Inspection, Activities, all types | 2,621 | 2,839 | 2,238 |
| Plans reviewed | 362 | 607 | 811 |
| Fires Investigated | 16 | 17 | 14 |
| Monetary Loss/Damage | \$2,589,500 | \$5,391,000 | \$3,478,100 |



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 53 full-time positions, and 6 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 Eleven (11) Lifeguard Towers in full-time operation, and a rove team at Wanini Beach. North District; Hanalei (Pavilion), Hanalei (Pine trees), Hā'ena Beach Park, and Kē'ē Beach, and Wanini Rove East District; Anahola, Keālia, and Lydgate Beach. South/West District; Po'ipū , Nukumoi, 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 unit. 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 Keālia, Hā'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.

PROGRAM OBJECTIVES

- To promote ocean safety awareness in the community and develop a

drowning prevention educational program.

- To provide lifeguard services at beach areas around Kauai 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

OSB hosted the USLA conference here on Kaua'i in late 2019 at the beautiful Kaua'i Marriot Resort and Beach Club, Kalapakī Beach. Lifeguard agencies from across the country attended sharing experiences and new technologies on lifesaving.

In early 2020, due to the COVID-19 Pandemic the health and safety of our personnel and our residence is a priority. The OSB had to cancel programs like the Keiki & Jr Lifeguard Programs, the Kaua'i World Challenge, the Na Pali Challenge, etc.

The beach attendance and our visitor counts has dropped considerably due to the COVID-19. More local residents are enjoying Kaua'i's beaches.

The Kē'ē Beach lifeguard operations has been temporarily canceled by the State Parks due to lack of TAT revenue, lack of visitors. The County of Kaua'i has taken the task of funding the Kē'ē operations through June 30, 2021.

Mandatory training has been ongoing to warrant the highest level of a professionalism. 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. With all the safety precautions due to COVID-19.

The OSB is ongoing with the electronic data collection program. Each tower and roving patrol unit has an iPad that daily ocean conditions, beach attendance, first aids, and medical reports are input 3 times a day or as needed. These stats are also available at real time on the Hawai'i Beach Safety Website for the public to view.

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.

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, 2020. Due to the COVID-19 Pandemic the OSB stats has dropped dramatically.

Tower Activity – Summary

| | |
|---------------------|---------|
| Drownings | 10 |
| Rescues/Assist | 130 |
| Public Contact | 113,647 |
| Preventative Action | 27,500 |
| Minor First Aid | 1,748 |

Roving Mobile Units - Summary

| | |
|------------------------|-------|
| Jet Ski Rescues/Assist | 29 |
| Other Rescue/Assist | 37 |
| Public Contact | 6,338 |
| **Preventative Actions | 3,009 |
| Minor First Aid | 138 |

Total participants on Guarded Beaches and Mobile Patrol: *1,708,041

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

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

IV. BUDGET

KAUAI FIRE
DEPARTMENT
APPROPRIATION
BALANCE - FY 2019-
2020
As of June 30, 2020

Includes payroll dates 6/30/2020 & 7/15/2020

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 | \$ 2,517,210.00 | \$ 2,220,919.00 | \$ 2,190,842.05 | \$ 30,076.95 |
| OPERATIONS TOTALS | \$ 23,514,171.00 | \$ 24,231,028.00 | \$ 23,775,646.49 | \$ 455,381.52 |
| PREVENTION TOTALS | \$ 914,908.00 | \$ 831,900.00 | \$ 822,059.01 | \$ 9,840.99 |
| TRAINING BUREAU TOTALS | \$ 1,533,641.00 | \$ 1,137,687.00 | \$ 1,121,884.55 | \$ 15,802.45 |
| OCEAN SAFETY TOTALS | \$ 5,395,256.00 | \$ 5,453,652.00 | \$ 5,399,585.69 | \$ 54,066.31 |
| | \$ 33,875,186.00 | \$ 33,875,186.00 | \$ 33,310,017.79 | \$ 565,168.22 |

AUTHORIZED PERSONNEL
June 30, 2020

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 | 58 |
| Fire Fighter Trainee | 5 |

OCEAN SAFETY BUREAU

| | |
|--------------------------------|----|
| Ocean Safety Officer V | 1 |
| Ocean Safety Officer IV | 4 |
| Ocean Safety Officer III | 4 |
| Ocean Safety Officer II | 39 |
| Ocean Safety Officer I | 11 |
| *Program Support Technician II | 1 |

SUB-TOTALS

| | |
|------------------------------------|----------|
| Uniformed Personnel – Fire | 146 |
| Uniformed Personnel – Ocean Safety | 59 |
| *Civilian Personnel | <u>8</u> |

GRAND TOTAL 213