



Fire Department
Fiscal Year 2022 Annual Report
July 1, 2021 – June 30, 2022

Michael R. Gibson
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 achieve departmental goals, the Kaua'i Fire Department has an authorized staff of 213 employees--146 uniformed fire personnel, 59 uniformed ocean safety personnel and eight (8) civilians assigned to five (5) major service bureaus, eight (8) fire stations, eleven (11) lifeguard towers located throughout the island, one roving beach patrol, and three (3) Roving Jet Ski Patrols one in each of the three districts (North, East, South/West).

The department prioritizes preventative measures to avert emergencies before they happen. Community risk reduction activities including fire code enforcement, fire investigation, fire safety programs, ocean safety awareness, and targeted programs like fall prevention, smoke detector installation, and fire extinguisher training.

Emergency response is a core capability that the department provides at a high level to the community. Our responders are highly trained and skilled to deliver emergency response through the air, on the land, and in the water. Search, rescue, and fire suppression is supported by the department air operations helicopter. Fire operations crews are trained in fire suppression, emergency medical, hazardous materials, technical rescue, and water rescue. Specialty teams for hazardous materials and technical rescue are deployed to manage these complex highly specialized responses. The Ocean Safety Team provides initial response to emergencies in and around the water through land-based and on-water rescue teams. Roving jet-ski teams are strategically located around the island to provide rapid response to off-shore emergencies.

The Fire Commission appoints the Fire Chief and reviews and provides input for the annual 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, except for 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 our fire stations is at five except for Līhu'e which is a nine-person station.

HIGHLIGHTS

July 2021

- 7/2: Air1, R3; airlifted 2 female visitors w/ knee injury to Waimea Canyon Park
- 7/3: Air1, R3, T7, E7; airlifted female with leg injuries out of Lonomea to Waimea Canyon Park
Air1, T1, R3, E8, T8, AMR, BC2, North and East Roving Skis; brought 3 divers back to shore.
E7, T7; assisted 61 y/o nausea female w/walking out of Kukui Trail
- 7/6: E7, T7, R3, Air1; airlifted dehydrated male hiker from Kukui Trail
South Roving Ski, L4, T4; brought 3 swimmers to shore fronting Sheraton
- 7/10: E2, T2, Lydgate OSB, East Roving Ski, Air1, R3, BC; assisted w/swimmers in distress behind 3rd hole at Wailua Golf Course.
- 7/14: Air1; R3, E3; airlifted female with broken ankle out of Wailua Falls
Air1, R3, E1, T1; airlifted dehydrated 18 y/o female out of Hanakāpī'ai to Princeville Airport
Air1, R3, E1, T1; airlifted 30 y/o male with heat exhaustion out of Hanakāpī'ai to Princeville Airport
- 7/15: E8, T8, T1, Tender1, Public Works, Air1, R3, BC1, Prevention Bureau; structure fire on Koolau Rd.

- 7/19: T7, R3; wheeled out 55 y/o female patient from Waipoo Falls area
- 7/20: E1, T1, Jetski 1; located missing kite surfer outside of Lumaha'i
- 7/23: E3, R3, BC3 w/FF from T2; extricated male visitor with possible concussion out of Wailua Falls
- 7/24: Air1, R3, E1, T1; rescued 28 y/o male with possible heat exhaustion out of Hanakāpī'ai
- 7/27: Air1, R3, E7, T7; short hauled 48 y/o male visitor w/ injured knee from Kukui Trail.

August 2021

- 8/4: Air1, R3, E7, T7; airlifted 67 y/o male visitor feeling ill out of Kalalau Trail
- 8/7: L4, T4, T5, T6, Tender1, BC; brushfire east of Shipwrecks Beach
E5, T5, T6; brushfire Halewili Rd.
E6, T6, T7, T5, BC; brushfire Burns Field
Air1, R3, E7, T7; brushfire Kokee
- 8/9: E3, R3, Tender1; construction/demolition fire at Old Līhu'e Mill
- 8/12: Air1, R3, E1, T1; airlifted 2 ill and scared females off Hihimanu Trail in Hanalei
- 8/14: South Roving Ski, L4, T4; rescued 2 swimmers in distress
- 8/19: T2, E2, R3; assisted with extracting 56 y/o female injured hiker out of Secret Falls
- 8/25: Air1, R3, E7, T7; airlifted injured female hiker out of Kalalau
- 8/28: Air1, R3, E1, T1; airlifted injured female hiker out of Hanakāpī'ai
Air1, R3, E1, T1; airlifted 30 y/o female with leg injury out of Hanakāpī'ai

September 2021

- 9/3: E1, T1, Jetski1, North Roving Ski; rescued paddleboarder drifting outside of Hanalei Bay
- 9/6: E2, T2; motorcycle fatality 25 y/o male visitor
- 9/7: Air1, R3, E1, T1; airlifted female visitor w/ leg injured ankle to Princeville Airport
- 9/13: Air1, R3, E1, T1; short hauled 60 y/o female out of Kalalau Trail to Princeville Airport
- 9/15: E6, T6; brushfire at Salt Pond
Air1, R3, E8, T8, Coast Guard, OSB; search for 2 swimmers in distress off Keālia Beach, no results w/ no viable info
- 9/16: Air1, R3, E1, T1; dehydrated 36 y/o male visitor airlifted to Princeville Airport
- 9/19: L4, T4; assisted female visitor back to shore
T7; assisted female hiker feeling weak out of Pu'u Hinahina Trail
- 9/20: Air1, R3, E1, T1; airlifted 63 y/o female unable to hike out of Kalalau Beach to Princeville Airport
- 9/22: Air1, R3, E1, T1; short hauled 58 y/o female w/ leg injury out of Turtle Cove
- 9/26: Air1, R3, E1, T1; airlifted injured male visitor from Kalalau to Princeville Airport

October 2021

- 10/1: Air1, R3, E1, T1; 71 y/o male w/ injured ankle airlifted out of Hanakāpī'ai
- 10/2: L4, T2; used hydraulic spreader to extricate 2 people out of malfunctioning elevator at The Point in Po'ipū
- 10/3: Air1, R3, E1, T1; airlifted female visitor w/ leg injury out of Kalalau Beach

10/4: Air1, R3; search for injured hiker, unable to locate
10/6: Air1, R3; search on Kalalau Trail for 54 y/o female, no assistance needed
10/20: Air1, E8, T8, BC; Anahola brushfire
10/21: E1, T1, Zodiac1, North roving Ski; assisted disabled vessel from Kē'ē Beach to Black Pot
10/23: E3, R3, Tender1; brushfire on Niumalu Rd.
10/24: E6, T6, T7; brushfire in Kaumakani
10/26: E8, T8, R3, Prevention, Tender1, BC2; brushfire in Anahola
10/27: Prevention, E2, T2, E8, T8, Tender 1, Air1, BC1; brushfire in Anahola
10/29: Air1, R3, E2, T2; short hauled injured hiker off Sleeping Giant
10/30: Air1, R3, E1, T1; airlifted 2 hikers 1 w/ head injury and 1 w/ knee injury out of Kalalau Beach

November 2021

11/1: E2, T2; traffic collision w/ 3 occupants 1 DOA
11/2: E2, T2, East Roving Ski; assisted w/ towing disabled canoe to Wailua Beach
11/3: E3; vehicle vs. pedestrian
11/7: E2, T2; brushfire Aleka Loop
North Roving Ski, R3 search involving overturned kayak, no further assistance needed
Air1, E8, T8, T2, BC; brushfire vicinity Donkey Beach and Crack 14
11/11: E7, T7, T6, BC; brush/auto fire Waimea Canyon Drive
11/15: E8, T8, E2, T2, Truck 3, BC2; 2 Bedroom apt. fire on Kawaihau apt. contained to living room 1 person displaced
11/16: E2, T2, Whaler2; extricated 63 y/o male w/back pain out of Secret Falls
11/17: Air1, R3, E1, T1; airlifted male subject out of Namolokama Ridge to Princeville Airport
11/23: E2, T2, Whaler 2, R3; extracted injured hiker out of Secret Falls
11/28: E8, T8, R3, BC3; carried female resident w/ broken ankle out of Ho'opi'i Falls Trail
11/29: E7, T7, E6, T6, E5, T5, R3, Truck 3, BC2, Prevention; structure Fire Pokole Rd. Fully involved.
11/30: Air1, R3, E1, T1; airlifted pregnant female from Kalalau Beach

December 2021

12/3: E2, T2, Whaler2, R3; assisted w/ stranded hikers at Uluwehi Falls
12/8: Air1, R3, E1, T1; body recovery Princeville area. Airlifted to Princeville Airport. KPD to investigate.
12/19: R3; assisted w/ walking 51 y/o female having leg cramps out of Kukui Trail.
12/24: T7, R3; assisted w/ walking male patient with possible dehydration out of Kukui Trail
12/25: Air1, R3, T7; short hauled female visitor w/ leg pain out of Waipo'o Falls

January 2022

1/1: Air1, R3; airlifted female and male hikers unable to continue hiking out of Kalalau to Princeville airport
1/2: E3, R3, Truck 3; overturned vehicle, driver DOA

- 1/5: Air1, R3, E1, T1; airlifted 29 y/o female w/seizure out of Hihimanu Trail
- 1/6: Air1, R3, E1, T1; airlifted 50 y/o female with hip pain out of Kalalau Trail
- 1/7: E1, T1, T1, North Roving Ski; rescue involving visitor swept out at Queens Bath
- 1/8: Air1, R3, E3, E2, T2; 54 y/o male airlifted out of Kalepa Ridge Trail to Nukoli'i LZ
Air1, R3, E1, T1; airlifted patients' w/weakness out of Kalalau Beach
- 1/9: E1, T1, AMR, KPD; victim stabbed multiple times, KPD arrested one individual
- 1/15: Air1, R3, E1, T1, North Roving ski; rescued 3 victims @ Queens Bath
Air1, R3, E1, T1; 45 y/o male w/ knee injury airlifted out of Kalalau w/wife.
- 1/16: E1, T1, E8, T8, E2, T2, R3, Truck 3, BC1 AMR, Prevention, KIUC; 2 residential structure fire fully engulfed on Weke Rd.
- 1/17: E3, R3, Truck 3, BC2, KIUC, Red Cross; structure fire @ Kealauala @ Pua Loke Housing
- 1/20: E8, T8, E2, T2; stove fire
- 1/22: R3, E3; propane tank leak, transported tank to E8 to off gas
- 1/23: E7, BC3; overdue hiker @ Pu'uhinahina Trail talked to hiker's mother
- 1/24: Air1, R3, BC2, KPD, DOCARE, Life's Bridges; body retrieval of 18 y/o male visitor out of Waipo'o Falls area
- 1/26: E2, T2, E8, T8, R3, Truck 3, BC2, E3; structure fire on Kihei Rd.

February 2022

- 2/3: E7, T7; CPR on KPD Officer up Kokee
- 2/8: Air1, R3, E8, T8; airlifted female w/ injured leg out of Ho'opi'i Falls
- 2/11: Air1, R3, E1, T1; airlifted 56 y/o male visitor w/ possible broken ankle out of Kalalau
- 2/18: R2, T2, East Roving Ski; rescued 2 male subjects out of water at Waieka boat ramp due capsized boat
- 2/19: E8, T8, E2, T2, E3, Tender 1, Truck 3, BC2; structure fire Wailua
- 2/23: L4, T4; wheeled 48 y/o female w/ injured leg out of Shipwreck Beach trail
Air1, R3, E1, T1, E8, T8, North Roving Ski; swimmer in distress at Larsens Beach
Air1, R3, E7, T7; short hauled 69 y/o female w/ heat stroke out of Waipo'o Falls
- 2/25: Air1, R3, E2, T2; short hauled 51 y/o female w/ ankle injury off Sleeping Giant Trail
- 2/27: Air1, R3, E2, T2, BC2; airlifted 59 y/o unresponsive male off Sleeping Giant trail
Air1, R3, E1, T1; airlifted 56 y/o female visitor w/ ankle injury out of Hanakoa

March 2022

- 3/5: Air1, R3, North Roving Ski, E1, T1, Coast Guard, KFD Drone; search for missing swimmer at Lumaha'i
- 3/7: Air1, R3, E1, T1, Zodiac1, Jetski1, OSB, DLNR, KPD; search for missing swimmer at Lumaha'i
-E1, T1, BC3, Coast Guard; search for missing swimmer at Rock Quarry
- 3/8: E1, T1, Jetski1, Zodiac1, North Roving Ski, Coast Guard, DLNR KPD; continued search for missing swimmers at Lumaha'i and Kahili Beach
- 3/9: E1, T1, Zodiac1, Jetski1, BC3, Coast Guard, KPD, OSB; continued search for missing swimmer at Kahili Beach
- 3/10: E1, T1, OSB, Coast Guard, KPD, IMT; last day of search for missing swimmer at Kahili Beach

- 3/11: Air1, E8, T8, North Roving Ski, BC1, Coast Guard; search for 40 y/o male swimmer, located by Coast Guard
- 3/14: E2, T2, R3, Truck 3, E3, BC3, PD; vehicle submerged in stream, 1 female extricated and transported to hospital
- 3/16: T6, BC3, South Roving Ski, PD, Life's Bridges, DLNR; missing man on jetski outside of Port Allen
- 3/18: Air1, R3, E7, T7, T6, Tender 1; brushfire Makaweli Valley
- 3/20: Air1, R3, E7, T7; 81 y/o female w/ ankle injury airlifted out of Waipo'o Falls
Air1, R3, E7, T7, BC1; Civil Air Patrol plane crash at Kalalau lookout area
Air1, R3, KPD, DOCARE, BC2; retrieval of bodies from Kalalau plane crash
Air1, R3, E1, T1; airlifted family out of Kalalau Beach, no injuries. Boat beached due to mechanical issues
- 3/25: E8, T8, E2, T2, BC3, Truck 3; structure fire Mailihuna Rd.

April 2022

- 4/1: L4, T4; rescued 4 swimmers in distress fronting Lāwa'i Beach Resort
- 4/3: E1, T1, E8, T8, BC3; structure fire on 'Anini Rd.
- 4/4: E1, T1, E8, T8, R3, BC2; rescue involving 25 y/o female w/ leg injuries at Sea Lodge Beach
-L4, T4; South Roving Ski, OSB; swimmer in distress fronting Koa Kea Resort
- 4/8: Air1, R3, E1, T1; airlifted 63 y/o male with heart condition out of Kalalau Beach to Princeville Airport
- 4/10: Air1, R3, E1, T1; 2 subjects airlifted out of Kalalau Trail 1 dehydrated 1 / knee injury
- 4/12: Air1, R3, E2, T2; airlifted 60 y/o male visitor w/ difficulty breathing off Sleeping Giant trail
- 4/14: R3, E3, Truck 3, BC3, Coast guard, PD; search for missing cruise worker in waters off Hokuāla. Body found by Coast Guard
- 4/18: E4, T4, OSB; 50 y/o male drowning victim at Nukumoi Lifeguard stand
- 4/21: E2, T2, North Roving Ski; rescued 2 swimmers in distress at Queens Bath
Air1, R3, L4, T4, BC3, UTV, KPD; Male visitor cardiac arrest, bystander CPR transported from zipline to AMR via UTV
- 4/23: Air1, R3, T7; short hauled injured female hiker out of Waipo'o Falls
- 4/24: Air1, R3, E8, T8; airlifted 50 y/o female visitor w/ leg injury out of Ho'opi'i Falls
- 4/26: T7, R3; wheeled female patient w/ leg injury out of Canyon Trail
- 4/28: E2, T2; escorted stranded hikers out of Blue Hole
Air1, R3, E1, T1; airlifted male subject w/ ankle injury out of Hanakapi'ai

May 2022

- 5/6: E1, T1; 2 car traffic collision multiple injuries, road closed
- 5/8: E7, T7, R3; search for missing male in Miloli'i Trail area
- 5/9: E1, T1, BC3, Prevention, Truck 3; structure fire in Wainiha Valley
- 5/10: Air1, R3, T7, DLNR, KPD, DOCARE, KRCP; continued search for missing male in Miloli'i
- 5/11: Air1, BC3, T7, KPD, DOFAW, KSAR; continued search for missing male in Miloli'i
Air1, R3, E7; airlifted male w/ injured knee out of Kalalau Beach to Waimea Park

- 5/12: Air1, R3, E2, T2; airlifted 72 y/o female w/ leg injury out of Sleeping Giant Trail
Air1, R3, BC2, KPD, DLNR; body retrieval of lost male in Miloli'i area
- 5/18: E3, R3, Truck 3, E5; 3 car traffic collision w/ occupant trapped w/ severe injuries
- 5/19: L4, T4, South Roving ski; rescued 50 y/o male visitor at Shipwrecks Beach
- 5/24: E2, T2, R3; wheeled female hiker w/ leg injury out of Secret Falls Trail
- 5/27: Air1, R3, E1, T1; airlifted 22 y/o male w/ dizziness out of Hanakoa
L4, T4, South Roving Ski; 5 snorkelers needed assistance to shore
- 5/28: L4, T4, South Roving Ski; rescued 2 swimmers in distress at Shipwrecks Beach
E1, T1; wheeled out 65 y/o female w/ wrist injury out of Queens Bath trail
E3, R3, T2, T8; brushfire makai of Lihue Airport runway
- 5/30: Air1, R3, E1, T1; airlifted female patient w/ ankle injury out of Kalalau beach
- 5/31: L4, T4, South Roving Ski; 4 people assisted to shore at Nukumoi due to high surf
L4, T4, South Roving Ski; 2 swimmers assisted to shore fronting Waiohai

June 2022

- 6/2: E2, T2; unresponsive 60 y/o male visitor unresponsive found in shore break
vicinity of Makaiwa surf break
L4, T4, South Roving Ski; rescued snorkeler in distress fronting Acid Drops Beach
Air1, R3, E1, T1; airlifted 33 y/o female w/ injured ankle out of Kalalau Beach to
Princeville Airport
Air1, R3, E3; rescued 60 y/o male w/ dehydration off Kalepa Mountain
E2, T2, E8, T8, R3, Truck 3, E3, BC1, KPD; structure fire on Kaholalele Rd.
- 6/4: E6, T6, Air1, R3, Tender1, BC1; brushfire at Glass Beach
- 6/5: Air1, R3, E1, T1; airlifted 30 y/o male w/ possible leg fracture out of Kalalau Trail
- 6/6: E1, T1, E8, T8, E2, T2, R3, Truck 3, TABC, TAAC, KPD, Prevention; structure fire on
Pepelani Loop
E3, E5, T5, E6, T6; structure fire on Molo Rd.
- 6/11: E6, T6, E7, T7, Truck 3 BC1, Prevention; structure fire on Kupa'a St.
-Air1, R3; short hauled 67 y/o female out of Waipo'o Falls Trail
- 6/12: Air1, R3, E3; short hauled 1 fisherman whose boat capsized from Ulua pt. to
Nāwiliwili
- 6/16: Air1, R3, E1, T1; airlifted 67 y/o female w/ injured ankle out of Hanakāpī'ai Trail
- 6/19: E6, T6, OSB, South Roving Ski; rescued 50 y/o male patient out of water to safety
- 6/23: Air1, R3, E1, T1; airlifted 26 y/o female w/ heat stroke complaint out of
Hanakāpī'ai Trail to Princeville airport
- 6/25: Air1, R3, E2, T2, BC1; short hauled female hiker w/ leg injury out of Ho'opi'i Falls
- 6/26: Air1, R3, E2, T2; search for missing hiker. Hiker found and escorted to safety by
St. 2 personnel
- 6/27: Air1, E6, T6, Tender 1, Truck 7; brushfire at Burns Field
- 6/29: R3, T7; wheeled 44 y/o female visitor w/ knee injury out of Waipo'o Falls trail
- 6/30: L4, T4, South Roving Ski; rescued 3 swimmers in distress fronting Acid Drops

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	47	70	40	23	25	166	68	39	129	607
Rupture/Explosion	0	1	1	0	0	0	0	0	0	2
EMS/Rescue	522	723	558	522	663	457	308	349	657	4759
Hazardous Condition	12	4	5	5	3	4	1	2	5	41
Service Call	34	56	58	43	42	41	36	57	51	418
Good Intent	166	80	186	134	124	24	14	23	96	847
False Call	28	19	27	20	28	12	7	7	12	160
Severe Weather	1	0	0	0	0	0	0	0	0	1
Other	0	0	0	0	0	0	0	0	0	0
Totals:	810	953	875	747	885	704	434	477	950	6835

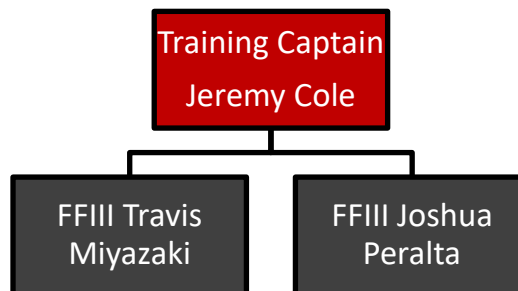
TRAINING BUREAU

PURPOSE

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

In FY 2021 to 2022 the Training Bureau executed the 2021 and 2022 Training Plans. These plans were built to encourage consistent and coordinated training across the department. Areas of focus on the plan address training needs identified by the Chief Staff.

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 mission 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 supports the idea that Kaua'i Fire Department members can strive daily for personal and department wide improvement. This is in alignment with the Kaua'i Fire Department Strategic Plan, which highlights the need for a *continuous improvement mindset*.
- "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. Training of Recruit Class 30
 - b. Fire Ground Command (FGC) Cadre – Program implemented to standardize department communications at emergency scenes.
 - i. All captains and FFIII are BCC certified command officers
 - ii. The FGC cadre has introduced Expanded Sets and Reps in FY 21/22 to provide officers with a chance to practice fire ground command operations in station with their respective Battalion Commander.
 - iii. Introductory training provided as part of Recruit curriculum
 - c. Driver Training – Provides initial training to DOT standards for new hires. Also conducts refresher training.
 - i. Annual refresher for all personnel conducted in stations on duty
 - ii. In 2021 one week with RC31
 - d. Extrication – In service training for crews every other year. Cadre also trains new hires for a week in recruit training.
 - i. Biannual refresher took place in February/March 2022

- ii. Trained Recruit Class 31
- e. Fire Ground Initial Attack – Program provides initial attack training for Fire Fighter Recruits.
 - i. Trained Recruit Class 31
- 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 Pittsburgh drill introduced to the department in early 2020.
 - 1. Keystone 2: Pittsburgh/RIT added to the KFD Training Plan to be executed in all stations
 - ii. Pittsburgh Props and IAFF Fireground survival props tour the department annually for company level drills
 - iii. New fireground Search, Survival, and Rescue training brought to Kauaʻi in summer May 2021.
- g. HAZMAT
 - i. Joint training with 93rd CST team
 - ii. New HazMat refresher in development for FY2022/23
- h. 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.
 - i. Department refresher conducted in May/June 2021
- i. 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.
 - i. NREMT recertification:
 - 1. 36 renewals in 3/2022
 - ii. 8 New NREMT Certifications in Recruit Class 31
- j. PADO/AADO – Cadre tasked with training line personnel to IFSAC standards for Pumping Apparatus Driver Operator. New curriculum added in 2019 to raise department skill levels with using Pumping Apparatus to supply water on the fire ground.
 - i. Skill sheets created and used to hold new standard. Continuing progress towards IFSAC certification
 - ii. PADO cadre traveled to Oahu to observe IFSAC PADO certification testing to implement process in future KFD PADO trainings.
 - iii. Two classes conducted annually to raise standard of service.

- k. 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.
 - i. Cadre is writing basic ropes SOG for department wide consistency.
 - ii. Cadre also working to standardize rope rescue equipment department wide.
 - iii. Cadre has created a Ropes Keystone to be introduced in 2022 to encourage consistent use of each station’s standard issue ropes cache.
 - l. Swift Water
 - i. Recruit Class Training to Dive Rescue International standard.
 - 1. Recruit class 31
 - m. USLA – Program oversees the annual refresher training for line personnel and a one-week water 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 2021 – 2022
 - a. Original budget: \$1,328,341
 - b. Revised budget: \$1,028,460
 - c. Total expenditures: \$826,210.26

ACCOMPLISHMENTS

- I. Certifications offered in FY 2021 – 2022. Certificates were awarded in the following disciplines.
 - a. IFSAC Firefighter I and II
 - b. IFSAC HAZMAT Awareness and Operations
 - c. NREMT – 8 members in Recruit Class 3
- II. In May 2022 KFD and PMRF joint hosted Randy Carpenter Firefighter Search, Survival, and Rescue training at PMRF with fire fighters from both agencies.
 - a. 5-day, forty-hour training
 - b. Class supported the 2022 Training Plan and the KFD Strategic Goal of continuous improvement mindset
 - c. Hosting this training resulted in many crews and other agencies requesting one on one RIT training.
 - i. The Fireground Survival Cadre has developed a new skills class to be presented to the department in October 2022
- III. Recruit Training
 - a. Recruit Manual updated and signed by the Union.
 - b. 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. New addition for Recruit Class 31 is the use of Monthly KFD specific JPR forms created by KFD line personnel for Training Bureau use.
- IV. Implementation of the 2022 Annual Training Plan. This plan focuses on quality training of core firefighting skills and incremental improvement.
- a. Updated of KFD specific Skills Sheets
 - i. These sheets are used for recruit skill testing and for line personnel to maintain a consistent base level of skills.
 - b. Keystone Evolutions
 - i. Company level drills designed to tie together multiple Task Performances from the training plan.
 - ii. Evolutions also introduced the idea of time standards for crews.
 - iii. Crews conducted a second year of fireground Keystones, identical to those in 2021. This provided data which allowed the Training Bureau to track department wide improvement in Fire Attack disciplines year over year.

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

This Fiscal year was a transitional period for the Bureau as we started to implement many of the strategic pivots needed to adjust to the challenges of restrictions from COVID-19. We

also took the opportunity to transform many of the functions and administrative assignments into digital format for better access and records management. Weaknesses in the plan review process were identified with water supply, fire access, and hazard communication. Procedures continue to be built into the system to improve customer service, while still maintaining safety as the highest priority. As the staff learned more about each process of the job, we found ways to improve them, either through new applications or stronger community partnerships

The year started in a strong drought with concerns for Wildland Urban interface areas. The Bureau partnered with Department of Hawaiian Homelands (DHHL), Police Department (KPD), Public Works, Family Life Services, State Forestry and Wildlife (DOWFA), State Department of Transportation (DOT) and several private contractors and non-profits to start mitigation in Anahola. The systematic clean-up of this area began with the formation of approximately 10 miles of fire break roads to allow better access for KFD, and isolate fires into grid areas. Several communities clean up events led by Fire Captain Jeremie Makepa were conducted to remove tons of trash and dozens of vehicles along the beaches. These partnerships and clean up events continue into FY23, as the prevention effort has been very effective to limit the frequency of fires and criminal activity in the Anahola area. Long term plans with DHHL are in progress to maintain the success of this project. Processes from this community risk reduction project can be used as a template for other problematic fire areas.

On the west side of Kaua'i, stakeholders inquired for the possibility of prescribed burning to help reduce flammable vegetation. Old sugar fields in problem areas like Kekaha, Koke'e, and Kaumakani would be ideal for this if procedures can be implemented safely. The Bureau started a Wildland Fuel Management Team to explore the training and procedures needed to implement this idea. FC Makepa traveled to Maui to attend a class with the Maui Fire Department to see how they use live fire as an indirect firefighting method. The required procedures, training and equipment needed for prescribed burns were manpower extensive. The Bureau does not have the staffing capacity to implement a prescribed burn community risk reduction program. However, the Bureau continues to support the idea on a smaller scale, as KFD Operations has taken over the initiative for possible use during emergency operations.

Fire Prevention Bureau has been working closely with our Water Department to address various water supply challenges on our island. Challenges incurred at several structure fires highlighted the need for residential plan review. A structure fire in Moloa'a needed constant water shuttles by tankers, multiple engines, and helicopter water drops to extinguish. For two days after the fire was extinguished, water tankers needed to be sent back to put out hot spots. At a structure fire in Hanalei, the closest and quickest water supply was a standpipe; this standpipe provided only approximately 40 gallons per minute. As a reference, most fire department initial attack hose lines deliver more than 150 gallons per minute. We will continue to collaborate by identifying and assist in making recommendations how to enhance our current infrastructure and plan for the needs of our growing community.

Currently the Bureau reviews all plans related to commercial occupancies. Ordinance allows for residential plans to be reviewed if needed. Captain Makepa recommended a

need for residential reviews in FY21 due to poor water supplies, vehicle access and travel distances for many residential development projects are inadequate for Fire Code requirements. He also discovered that alternative energy homes like PV systems fail to provide adequate warning to firefighters when they have batteries and generators. After meetings with Council members and other stakeholders residential plan review is being slowly being introduced as we try to balance the emergency response needs, while still being sensitive to the housing crisis.

The Bureau continued to expand social media outreach on Facebook and Instagram while also adding YouTube to the public messaging tools. We started the school year with a strategic partnership at Kaua'i High School and their award-winning Media Program to create a "Hiking Safety" video. During the summer, KFD conducted many land rescues along popular hiking trails due to hiker's poor planning and lack of proper supplies. This educational video will prevent these simple preparation errors and help Kaua'i's visitors and local outdoor enthusiast enjoy our beautiful trails safely. Kaua'i Visitors Bureau was also consulted for possible video installation at airports, hotels, and other places tourists might gather. Virtual tours of Station 7 and 3 were recorded, as the Media Team experimented with live stream online interaction with multiple Kaua'i schools. We also tested streaming with elementary students at Punahou on O'ahu.

Due to COVID restrictions, in-person group events were conducted in smaller groups for community risk reduction activities like fire extinguisher training, hands only CPR, stop the bleed, and fall prevention. After over a decade of public outreach, the fire safety trailer will need to be refurbished or replaced. Electrical components and vendor specific parts for the interactive smoke and fire effects are now obsolete. The Bureau plans to continue the program by utilizing activity station and tents until a replacement for the trailer can be obtained.

Personnel change brought the next challenge for the Bureau. Retirements shuffled the personnel in KFD, and the Bureau lost two Inspectors. This change brought in opportunities to implement new ideas and skill sets that could help the Bureau transition into modern times. Extensive training requirements for the new staff slowed progress as we adjusted to our new roles. The broad spectrum of knowledge Inspectors are required to know is difficult. Inspectors must be educated in the fields of: Building Plans Review, Sprinkler and Alarm Systems, Commercial Inspections, Fire Investigation and Public Education.

With travel restricted, the Bureau was not able to attend academies and conference events that traditionally immerse staff in the required training. Instead, the Bureau brought in previous Inspectors for training sessions using their old notes from Conferences. Although effective in cost and time savings, quality was lost in the expertise of a true expert instructor at training events. Inspectors looked toward online training in the various fields to enhance their qualifications to do tasks with more accuracy. These online courses saved the Bureau money in travel expenses and were convenient to accomplish periodically during the work week. The Bureau is researching online options to develop a certification program for Fire Inspector, Fire Plans Reviewer, and Fire Investigator.

Electronic plans review (EPR) was the most difficult process for the new staff to learn. Although very efficient in tracking plans, EPR requires administrative skill sets

firefighters are not accustomed to using. Without an administrative assistant, Inspectors struggled to learn multiple software systems and sort through the accounting practices of previous Inspectors. The Bureau continues to work with NIC Hawai'i and County IT for an online payment system with credit card payment capabilities to provide better customer service.

The Bureau's first major technological success was the implementation of web-based fireworks permits. With assistance from the Finance and County IT, we used the Elements software program to take permit applications, have customers upload photo identification for verification, and have Inspectors approve permits all online. The system lacked payment capabilities, but we hope to have that in place by next year. In all we approved 555 fireworks permits and received confirmation of payment from Finance on 487 permits. Best advantage to this system was that Inspectors only needed to assist customers without internet access or printers. This limited possible COVID exposures and decreased customer wait time for processing. As a follow up, the Elements program is GIS linked, which allows KFD to map the addresses that have approved fireworks permits.

The Bureau continues to expand upon the success of the Elements software by integrating the inspections program and digital record keeping. With assistance from County IT, the Bureau successfully started a web-based business inspection app for use with our iPads. Old paper formats were transposed into form fillable templates for easy use by Inspectors. Once completed, signatures can be captured, and email notifications are automatically sent. If violations occur, "Notice of Violation" letters are automatically generated to be sent by certified mail. Follow-up inspections are automatically scheduled 30 days later for Inspectors. Utilizing the GIS mapping capabilities, Inspectors can be more efficient by planning inspections based on location to batch inspections in groups. The Bureau also greatly benefited from the assistance of the County Summer Intern Program in June 2022 to have a student check our current business list and update any new businesses and remove those no longer in operation.

School inspections are required by HRS to be completed annually. The Bureau successfully completed inspections of all Kaua'i preschools. However, the elementary and high schools were not completed due to late inspection schedules from the prior year. Although the Department of Education (DOE) is outside of the Bureau's jurisdiction, we are required to assist their staff with one annual inspection. The Bureau continues to partner with the DOE to resolve problems during the required annual inspection. Multiple schools failed the inspection process due to faulty fire protection systems and other deficiencies. The goal of the DOE is to meet all Fire and Life Safety concerns. They are working diligently toward compliance.

During COVID restrictions, business inspections had become difficult, and the Bureau had placed a lower priority on conducting them. As restrictions lifted, business inspection activity increased, and the Bureau found alarmingly high failure rates. Businesses had become complacent or ignorant of their responsibility to provide safe workplaces and safe common areas for customers. The Bureau created educational videos with the Media Team to help businesses gain compliance. Inspectors also hand delivered handouts for helpful tips to prepare for a business inspection prior to the official inspection. The Bureau partners with fire protection service providers to follow up with their database of contacts to ensure

compliance. In an extreme case of safety concern, the Planning and Building Departments were consulted, and the inspections resulted in a “Stop Work Order” from all agencies. The Bureau continues to look for ways to educate and network with the business community to provide safety in their operations.

Preparing for the next fiscal year, updating the Fire Code is a top priority. Currently, Kauaʻi is utilizing the 2012 NFPA 1 Fire Code, as adopted by the State of Hawaiʻi, with Kauaʻi amendments. The State of Hawaiʻi adopted the 2018 NFPA 1 Fire Code in January of 2021. The Bureau is evaluating the challenges of the past year to add or revise current Fire Code amendments to have an effective Fire Code for Kauaʻi’s unique community. We anticipate adoption of this 2018 Fire Code by January of 2023.

There are multiple programs under development for the Bureau going into the next fiscal year. The Multimedia Team will expand the educational outreach lost by not being able to use the Fire Safety Trailer. Expansion beyond social media into online learning platforms like YouTube will create on demand experiences for the community. The Multimedia Team will be looking to build its own Learning Management Systems (LMS) to provide an online library of Fire Safety Education and Certifications to manage programs like Fire Extinguisher training. We have also researched virtual reality training for an exciting new way of engagement if funding is available

Other areas of technological development are: Online payments for fireworks permitting, Land Information Management Systems (LIMS), GIS Based Hazard and Resource mapping, Hydrant Flow testing, App based communication with Fire Protection Service (FPS) providers, web-based permit payments, County website information and visual updates, and further refinement of our systems currently in place.

Fire Prevention Week – October 3-9, 2021

Fire Prevention Week Activities take place on the week of October 9. It is a commemoration of the Great Chicago Fire of 1871. The National Fire Protection Association’s Fire Prevention Week theme was “Learn the Sounds of Fire Safety™” as theme for Fire Prevention Week 2021, October 3-9, to help recognize sounds of smoke alarms and what to do when you hear it.

The Fire Fighter’s Safety and Health Guide Program (FFSHG) has been implemented throughout the State for twenty-five 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 several valuable coupons. The Fire Fighter’s Safety and Health Guides are distributed in the Fall, for Fire Prevention Week.

The Fire Prevention Week message was distributed in The Garden Island newspaper in several different languages: English, Japanese, Hawaiian, and Filipino. A special in the

Sunday paper profiled all 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. It also included a featured editorial of the Anahola Fire Mitigation project led by FC Makepa.

Structure Fire Investigations

Fire investigations conducted by the Bureau during the fiscal year July 1, 2021 through June 30, 2022. Fires with minimal monetary damage are not listed here:

July 2021

7/15/21	Residential Fire 6820 Koolau Rd, Kīlauea	Undetermined \$700,000
7/30/21	Residential Fire 410 Papaloa Rd, Kapa'a	Accidental \$3,000

August 2021

September 2021

9/17/21	Residential Fire 2207 Ioela St, Kīlauea	Accidental \$6,000
9/21/21	Residential Fire 3290 Elima St, Līhu'e	Accidental \$10,000

October 2021

10/13/21	Mobile Property 4451 Puolo Rd, Hanapēpē	Intentional \$5,000
10/23/21	Residential Fire 4411 Olali St,	Accidental \$1,000

November 2021

11/16/22	Residential Fire 4701 Kawaihau Rd, Kapa'a	Accidental \$20,000
11/19/21	Portable Building 4695 Mailihuna Rd, Kapa'a	Intentional \$4,000
11/30/21	Residential Fire 4485 Pokole Rd, Waimea	Undetermined \$170,000

December 2021

12/6/21	Residential Fire 4330 Kaua'i Beach Drive, Kapa'a	Intentional \$2,000
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January 2022

1/17/22	Residential Fire 5465 Weke Rd, Hanalei	Undetermined \$969,400
1/17/22	Residential Fire Kealaula At Pua Loke, Līhu'e	Accidental \$11,000
1/26/22	Residential Fire 5299 Kihei Rd, Kapa'a	Undetermined \$893,000

February 2022

2/19/22	Residential Fire 6121 Lokomaimai Pl, Wailua	Undetermined \$462,000
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March 2022

3/12/22	Residential Fire 4050 Papalina Rd, Kalāheo	Accidental \$8,200
3/14/22	Residential Fire 4090 Akemama Rd, Lāwa'i	Undetermined \$175,000
3/25/22	Residential Fire 402101 Kūhiō Hwy, Kapa'a	Undetermined \$45,000

April 2022

4/4/22	Residential Fire 4343 'Anini Rd, 'Anini	Undetermined \$378,000
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May 2022

5/9/22	Residential fire 4627 Alaeke Rd, Hanalei	Undetermined \$40,000
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June 2022

06/2/22	Place of Worship 105 Kaholalele Rd, Wailua	Accidental \$360,000
06/4/22	Residential Fire 4630 Kalepa Circle, Līhu'e	Undetermined \$1000
6/6/22	Residential Fire 4970 Pepelani Loop, Princeville	Undetermined \$110,000
6/11/22	Residential Fire 3569 Kupaa St, Hanapēpē	Undetermined \$2,000
6/23/22	Residential Fire 3049 Kalahiki St, Kōloa	Undetermined \$2,000

Total Damage Amount

\$ 4,377,600

Fire Safety Trailer

- Cancelled due to Social Distancing Requirements

Total Encounters – 0

Fire Extinguisher Training

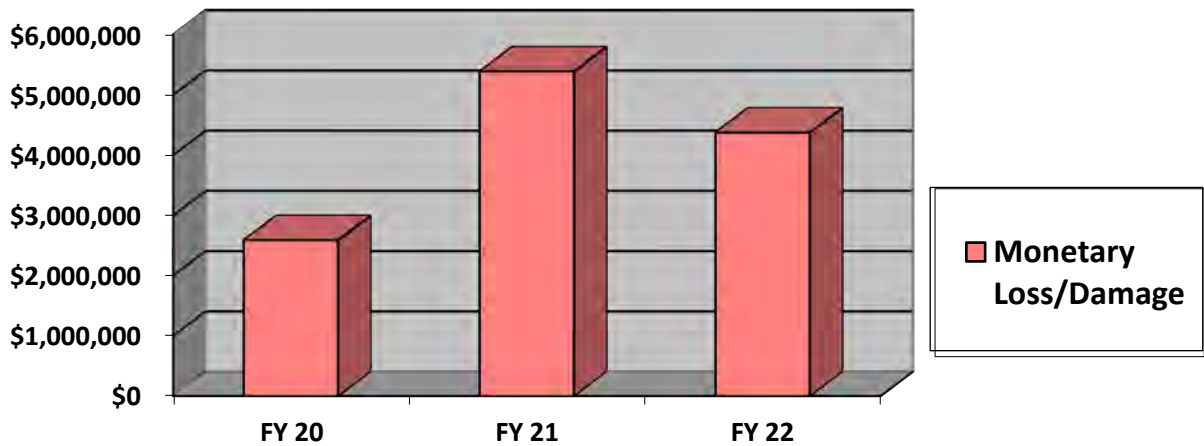
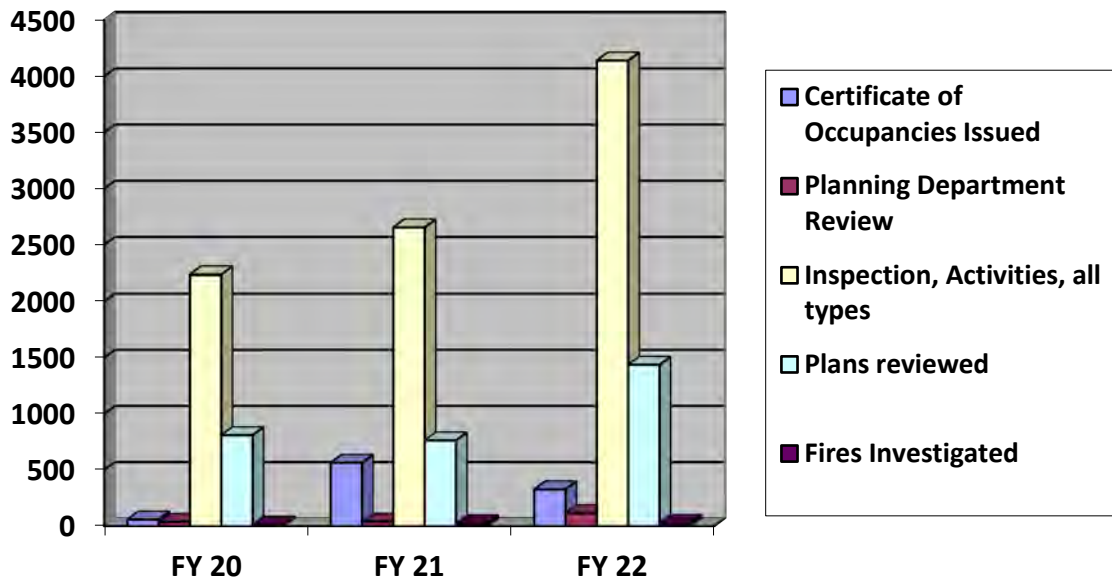
- Kaua'i Community College –34
- Glover – 27
- Hale Kupuna – 43
- Hawai'i Gas – 21
- Kaua'i Care Center – 70
- Kaua'i Coffee – 20

Total Encounters – 215

INSPECTIONS/ACTIVITIES – ALL TYPES

Fire Investigations	29
Additional Dwelling Unit/Additional Rental Unit	55
Building Permit Plan Review	1439
Planning Department Review	117
Certificate Of Occupancy	328
Business Occupancy Inspection	184
Witness Acceptance Test	90
Fire Extinguisher Training	8
Fire Safety Presentation	28
Telephone Inquiries	4141
Complaint Investigations	7
Sparky Presentations	3
Fireworks Displays & Inspections	44
Total Activities	6473

PREVENTION ACTIVITY	FY 20	FY 21	FY 22
Certificate of Occupancies Issued	59	565	328
Planning Department Review	38	40	117
Inspection, Activities, all types	2,238	2,657	4141
Plans reviewed	811	764	1439
Fires Investigated	14	26	29
Monetary Loss/Damage	\$2,589,500	\$5,391,000	\$4,377,600



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, safeguard beach patrons, respond to emergencies, and provide medical aid. The bureau takes great pride as a professional lifeguard service

protecting Kauaʻi's residents and visitors. The Ocean Safety Bureau program also includes prevention, risk management, ocean rescue, documentation, training, maintenance of equipment, and public education. With support of different community groups, such as the Kauaʻi Lifeguard Association, Hawaiʻian Lifeguard Association, The Kauaʻi Visitors Bureau, State Drowning and Spinal Cord Injury Prevention Committee, and the Rotary Club, 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 Kēʻē Beach. OSB has a three-district operation, District #1= North, District #2 = East, and District #3 = South/West, 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), Hāʻena Beach Park, and Kēʻē Beach, and Wanini Rove East District; Anahola, Keālia, and Lydgate Beach. South/West District; Poʻipū , 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 Kauaʻi is well covered by ocean going vessels. All-terrain vehicles (ATV) are also used in the OSB's operation Keālia, Hāʻena, Kēʻē, 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 Kauaʻi 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

After a couple of years of COVID related restrictions, OSB went right back into full force with training with the Keiki & Jr lifeguard program. Five weeklong location sessions were conducted at Salt Pond, Kalapakī, Hanalei, Wanini, and finished up again at Kalapakī Beach. OSB is pleased to have serviced and trained over 400 of Kauaʻi's youth ranging from 8 -17 years of age. Without a doubt, this is the best youth program in the County system.

The visitor beach attendance counts have grown considerably since the State re-opened after COVID travel restrictions were lifted. OSB has recorded more incidents and rescues from the previous years.

An arbitration hearing was held to negotiate pay raises and the duration of a new collective bargaining agreement for Bargaining Unit 15, which covers all State and County lifeguards and water/ocean safety officers.

The OSB participated in numerous ocean safety presentations to community groups like Anahola School, Kōloa Plantation Days parade, and Kanuikapono School, and shared valuable ocean safety information about Kauaʻi's beaches, pools, and rivers.

Due to the increase of the visitor attendance, Nukumoi Tower on the south Shore continues to be the busiest for rescues, beach attendance, and first aid treatments compared to all the other towers.

OSB continues to cover the Wanini beach area on the north shore as a roving lifeguard operation. Preventative actions, rescues, and beach attendance has been on the rise due to the limited parking permitted at the Hā'ena area. The Ocean Safety Bureau highly recommends permanent lifeguard operations for the future of Wanini due to the high beach daily attendance and ocean activities all year round. CPR saves are accomplished due to OSB presence at this highly populated beach.

The roving patrol rescue craft units and the district supervisors continue to work the 4/10 work shift schedules. We are currently reviewing future plans to have all OSO staff move into the 4/10 work schedule to increase longer daily coverage and provide better service to the public.

The Queens Bath trail in Princeville is an ongoing issue due to high traffic during hazardous ocean conditions. OSB continues to monitor ocean forecast and partner up with the Princeville security on opening and closing the Queens Bath gate. The gate will be closed during winter months from October thru March due to safety concerns. A Safety information kiosk has been installed at the trail head for educational purposes of the area, with the support from the Kauaʻi Lifeguard Association.

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.

The OSB is ongoing with the electronic data collection program. Each tower and roving patrol unit has an iPad that OSB officers input collected daily ocean conditions, beach attendance, first aids, and medical reports 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. A new data collection system has been implemented called "WatchTower" joining other lifeguard agencies across the nation.

The Roving Mobile Units have developed into mandatory training because of the numerous outstanding rescues, the reduction of drowning incidents, and the increase of community preventions and awareness. The Rescue Craft Program has enhanced ocean safety services, by reducing response times, extending beach coverage, and lifesaving techniques and is 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.

The OSB is having challenges with the hiring process of the OSO1 positions due to very low turn outs for the physical agility testing.

The Kaua'i Lifeguard Association continues to be a huge part of the success of the OSB by providing financial and lobbying support.

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 4 deaths, related to drowning from swimming pools, snorkeling, fresh water, or scuba diving accidents. All 4 drownings occurred at unguarded beaches. With 188 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

With the lifted COVID-19 Pandemic travel restrictions, when the fiscal year ended on June 30, 2022, the OSB statistics approached pre-pandemic levels.

Tower Activity – Summary

Drownings	5
Rescues/Assist	251
Public Contact	128,272
Preventative Action	94,051
Minor First Aid	2,106

Roving Mobile Units - Summary

Jet Ski Rescues/Assist	35
Other Rescue/Assist	117
Public Contact	25,393
**Preventative Actions	22,253
Minor First Aid	452

Total participants on Guarded Beaches and Mobile Patrol: *1,406,520

** 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

KAUA'I FIRE DEPARTMENT
 APPROPRIATION BALANCE
 FY 2021-2022
 As of June 30, 2022

Includes payroll dates 06/30/2022 &
07/15/2022 Percent of FY Expended

100.00%
 Percent of FY Remaining 0.00%

ACCOUNT	Original Budget	Revised Budget	Total Expenses To Date	Bal of Appropriation Incl Encumbr
ADMINISTRATION TOTALS	\$ 2,416,379.00	\$ 2,496,275.00	\$ 2,393,561.84	\$ 102,713.16
OPERATIONS TOTALS	\$ 25,254,507.00	\$ 25,731,413.00	\$ 23,441,529.31	\$ 2,289,883.69
PREVENTION TOTALS	\$ 953,935.00	\$ 890,885.00	\$ 854,383.32	\$ 36,501.68
TRAINING BUREAU TOTALS	\$ 1,328,341.00	\$ 982,904.00	\$ 840,372.26	\$ 142,531.74
OCEAN SAFETY TOTALS	\$ 5,869,125.00	\$ 5,888,811.00	\$ 5,787,896.70	\$ 100,914.30
	\$ 35,822,287.00	\$ 35,990,288.00	\$ 33,317,743.43	\$ 2,672,544.57

AUTHORIZED PERSONNEL

June 30, 2022

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	48
Fire Fighter Trainee	15

OCEAN SAFETY BUREAU

Ocean Safety Officer V	1
Ocean Safety Officer IV	4
Ocean Safety Officer III	4
Ocean Safety Officer II	41
Ocean Safety Officer I	9
*Program Support Technician II	1

SUB-TOTALS

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

GRAND TOTAL

213