



## **FIRE DEPARTMENT**

**Robert F. Westerman, Fire Chief**

**Kilipaki K. F. Vaughan, Deputy Fire Chief**

### **MISSION STATEMENT**

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

### **DEPARTMENT GOALS**

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

### **DEPARTMENT PROGRAMMING**

To accomplish this objective, 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/ocean search and rescue training, and promotes highly trained fire suppression and hazmat/rescue teams.

The Kauai Fire Department structure consists of a Fire Chief, a Deputy Fire Chief, an Assistant Fire Chief, three (3) Battalion Chiefs, a Fire Commission, and the necessary staff.

The Fire Chief commands and directs a department workforce of 213 employees --146 uniformed fire personnel, 58 uniformed ocean safety personnel and 9 civilians assigned to five (5) major service bureaus, eight (8) fire stations, eleven (11) lifeguard towers located throughout the island, and three (3) Roving Jet Ski Patrols one in each of the three ocean safety districts.

The Fire Commission appoints the Fire Chief, evaluates his performance annually, and reviews the fire department's annual budget. The Fire Commission also hears the complaints of citizens concerning the department or its personnel.

The five major service Bureaus of the Kauai Fire Department are Administration, Fire Operations, Prevention, Training, and Ocean Safety. The eight (8) fire stations house eight (8) engine companies, a Rescue Unit, a HAZMAT Unit, eight (8) engine pumpers, eight (8) mini-pumpers, one (1) HAZMAT response vehicle, one (1) Heavy Rescue, one (1) 26-foot Radon Rescue Boat, one (1) 19-foot Zodiac Rescue Boat, one (1) 19-foot Whaler Rescue Boat, and four (4) Rescue Jetskis. The Fire Department also operates one (1) Rescue Helicopter.

## **DEPARTMENT HIGHLIGHTS & ACCOMPLISHMENTS**

Succession planning and management were an essential part of 2017. At the end of 2017, Fire experienced fourteen (14) retirements throughout 2017, many at the highest ranked positions and administrative personnel. Fire lost more than 400 years of institutional memory and working knowledge. In November 2017, Fire Administration completed the hiring process for the Assistant Fire Chief of Operations. In December 2017, Fire Administration completed the promotional process for two (2) new Battalion Chief, twelve (12) Fire Captain, sixteen (16) Firefighter 3, and seven (7) Firefighter 2 positions.

In February & April 2018, Fire Administration piloted the New Captain Orientation Academy or "Boot Camp" for newly-promoted Officers in KFD and OSB. Boot Camp focused on providing leadership and supervisory resources through Executive and Guest Presentations.

The Training Bureau completed 27<sup>th</sup> Recruit Class Training in November 2017. All five (5) Fire Fighter Trainees were deployed to the fire line and completed their initial probation. In March 2018, the 28<sup>th</sup> Recruit Class one of our largest with fourteen (14) new hires began six months of Recruit Training.

With regards to professional development, the Assistant Chief graduated from the 4-year National Fire Academy Executive Fire Officer (EFO) Program, one (1) Battalion Chief received his Fire Officer 1 & 2 Certifications, while the Deputy Fire Chief completed Fire Officer 1/2/3/4 Certifications.

This year, Fire Operations responded to over 6,332 calls for assistance. There were 291 Fire calls of which we investigated 16 fires this year with a total value loss estimate of \$2,589,500 in estimated fire loss to damage and property. Both the Engine and Rescue Companies at Lihue Fire Station ran more than 1,000 calls while each of the next four (4) busiest fire stations ran at approximately 800 calls each. Fire responded to 4,734 medical calls, which are 75% of our total call volume. Total call volume continues to increase - up 35% since 2002.

The Prevention Bureau's "Sparky" Fire Safety Trailer continues its successful outreach in the community with over 7,314 public encounters annually. Prevention Bureau trained 717 community members on proper fire extinguisher use. At the beginning of summer, Prevention Bureau also hosted its 10<sup>th</sup> Annual Brushfire Mitigation Meeting for the major landowners of Kauai. This is an opportunity to remind the landowners of their responsibilities per the Kauai Fire Code as it relates to wildland urban interface.

The Kauai Fall Prevention Program continued into its second year with Home Safety Inspections, Smoke Alarm Installation, Fall Prevention Equipment Installation, and Medication Reconciliation. KFD, in partnership with COK Agency for Elderly Affairs, AMR, State Department of Health, and Friends of Kauai Fire Department, have completed 46 homes as part of the Kekaha Host Community Benefit (HCB) Grant. This Fall Prevention Program was also conducted for another 84 homes across other parts of Kauai.

The Ocean Safety Bureau (OSB) Water Safety Officers have done a tremendous job in securing the safety of our public and visitor alike. Kauai continues to see increasing beach attendance counts of visitors and residents – despite the April Waikoko-Wainiha Landslide/Flood Event. The Ocean Safety Bureau recorded over 242,083 beach contacts where we informed or discussed the safety of the beaches with beachgoers, everyone a potential save. Roving Patrol Jetski Units have become a permanent and integral part of OSB daily operations.

OSB's Junior Lifeguard Program recaptured the Hawaii State Championship after having lost in 2016 for the first time in 12 years. The Keiki Guard Program continues to be a tremendous success with more students than the current program can handle and turning away keiki. The unique collaboration between private organizations and public government are what makes our OSB education programs so successful. In conjunction with Hawaii Tourism Authority (HTA), OSB continues to participate in the Water Awareness Visitor Education (WAVE) Program training hotel concierges about Kauai's beaches and how to advise visitors to stay safe. The Hanalei Bay Rotary Club's Rescue Tube Initiative has placed over 200 tubes around Kauai with a lifesaving credit of over 120 lives.

The Kauai Community Emergency Response Team (CERT) became an integral part of our Fire Department this year, including deployment and integration into emergency response for the April Waikoko-Wainiha Landslides/Flood Event. CERT continues working with Kauai Emergency Management Agency (KEMA) and Kauai Police Department (KPD) to grow the CERT Program island wide. CERT added 59 graduates to our rolls and another 39 participated in additional training classes.

## **DEPARTMENT ACTIVITIES**

The KFD Outstanding Firefighter of the Year was FF3 Justin Shinn and the Outstanding Ocean Safety Officer of the Year OSO2 Eric Perez. Both employees were honored at the Annual County of Kauai Employee Recognition Banquet held at the Kauai Veterans Center.

Fire Prevention Week Activities take place the week of October 9. It is a commemoration of the Great Chicago Fire of 1871. The 2017 National Fire Protection Association's Fire Prevention Week theme was **"Every Second Counts – Plan 2 Ways Out"**.

Various members of Kauai Fire Department attended several conferences including, the National Fire Protection Association (NFPA) Expo & Conference, International Association of Fire Chiefs (IAFC) Fire Rescue International (FRI) Conference, Labor/Management Quarterly Meetings, State Fire Council Quarterly Meetings, Water Safety Task Force Monthly Meetings, Emergency Medical Services Advisory Committee (EMSAC) Quarterly Meetings.

The Training Bureau successfully implemented Target Solutions – a web-based training platform. Target Solutions offers KFD personnel knowledge modules and refreshers in USLA ARRT, Driver Improvement Training, Vehicle Extrication, Fire Ground Operations, HAZMAT Tech and Awareness, and Fire Ground Survival. Through this web-based platform, KFD has gained savings

in overtime by offering the knowledge refresher training for both First Responder Medical Training and NREMT Continued Medical Education units.

Our Firefighters, Ocean Safety Officers, and Administrative Staff continue to participate in many Kauai community events, including Christmas Lights Installation, Lights on Rice Parade, Waimea Lighted Christmas Parade, Relay for Life, and the Kauai Hospice Concert in the Sky, among others. Over 1,000 volunteer hours and hundreds of on-duty staffing hours were utilized in assisting community partners with set-up and break-down of these events.

## **PROGRAM MEASURES – ACCOMPLISHMENTS/EVALUATION**

Fire Operations personnel provide Station Visitation Tours for schoolchildren and other interested groups. Fire Personnel also provide fire safety awareness special speakers and training to the schools, community, landowners, homeowners, hotel and business organizations and senior citizen groups in the Department's continuing efforts to support and provide program assistance to the public toward its continued awareness of safety and the need for community input as they grow, so do the needs for safety awareness. Fire Stations continue to assist the Department of Land & Natural Resources (DLNR), during the months of September-December in their effort to assist sheltering in place of ailing fallen Newell Shearwaters. Free blood pressure screening services continue to be available daily at all eight Fire Stations between the hours of 9:00 am and 8:00 pm.

Prevention Bureau continues with its Community Risk Reduction (CRR) Program and produced the following accomplishments:

- 471 Fire Inspections
- 242 Fire Plan Reviews
- 7,314 Sparky Trailer Educational Encounters (Public Elementary Schools)
- 4,592 Hands-Only CPR (HOCPR) Encounters
- 13 Structure Fire Investigations

The Training Bureau led the progressive effort to upgrade our emergency medical services level of training and response. In 2017-2018, eight (8) Firefighters and two (2) Roving Patrol Ocean Safety Officers completed the National Registry for Emergency Medical Technician (NREMT-B) Certification. KFD has a current total of 61 EMTs or higher.

KFD has actively managed the Community Emergency Response Team (CERT) Program for approximately 10 years. In FY 2017-2018, CERT produced a total of 212 engagements in the following areas:

- CERT 24-Hour Basic Training 86 Graduates
- TEEX Wide Area Search Training 16 Participants
- Traffic Management Course 14 Participants
- CPR & First Aid Training 31 Participants
- CERT Annual Refresher 65 Team Members
- Total 212 Engagements

## **FIRE ADMINISTRATION**

### **MONTHLY ACTIVITY SUMMARY**

#### **JULY 2017**

- Fire Commission Meeting
- 4<sup>th</sup> of July Fireworks shows in Lihue and Kekaha
- FMAG Grant Meeting (KEMA)
- HTA Grant Meeting
- Prevention Bureau Staff attended National Electric Updates Training
- Fire Information Technology Personnel attended ESRI Conference for GIS Training
- EMSAC Meeting
- Trauma Symposium
- Civil Support Team (CST) Mid-Planning Meeting
- Meeting with Mayor regarding Donation of Engine 6
- Keiki and Jr. Lifeguard Programs at Hanalei
- Keiki and Jr. Lifeguard Island Championships at Kalapaki
- State Jr. Lifeguard Championships
- State Drowning Prevention Conference
- South West District Roving Patrol Jetski Rescues
- Ocean Safety PSA Radio Announcements

#### **AUGUST 2017**

- Department Head Meetings
- Fire Commission Meeting
- State Fire Council (SFC) Quarterly Meeting
- IAP Meeting for Kauai County Fair
- National Fire Academy Graduation for Fire Captain
- Jr. Lifeguard Championships in Florida
- Drone Committee Meeting

- CERT Wide Area Search Class
- New Engine 2 Blessing at Kapa`a Fire Station
- Rescue located lost family of hikers in Koke`e
- Army National Guard Emergency Preparedness Meeting
- Strategic Planning Meeting with Mayor
- Kauai County Fair
- Deputy Fire Chief - Anahola Fire Station Presentation at Hawaiian Homes Commission Meeting
- Meeting on Solar Project in Kōloa
- CERT Graduation – Waimea
- CST Exercise at PMRF

### **SEPTEMBER 2017**

- Fire Commission Meeting
- Department Head meetings
- OIP Training attended by Secretary
- UIPA Training attended by Secretary
- KLA Wine & Jazz Festival Fundraiser at Princeville
- Press Conference on Oahu for New Ocean Safety Videos
- Prevention Bureau Fire Inspector attended Leadership Kauai Retreat
- Hawaii Fire Chiefs Association (HFCA) 2018 Planning Meeting
- County Health & Wellness Fair
- Temporary/Tent Structure Meeting with Mayor Carvalho
- Rice Street Block Party
- Deputy Fire Chief - Fire Presentation at OHA Trustee Meeting
- Department of water – Make a splash
- Fire Fighter Recruits EMT Final Clinical Skills Testing
- Bimonthly meeting with Mayor
- Na Pali and Kalalau Trails closed due to Ha`ena State Park Fire

### **OCTOBER 2017**

- Department Head Meetings
- No Fire Commission Meeting (no quorum)
- Teleconference with Eventbrite for 2018 HFCA Conference
- Kauai High Utilizer Group (KHUG) Meeting
- Meeting with Council regarding document shredding
- LEPC Exercise at EOC

- Planning Meeting for Jr. Lifeguard Celebration on October 27, 2017
- OSB Jetski training for Honolulu Fire Department
- USLA World Conference in Vancouver, Canada
- Drone Committee Meeting
- Pilot Whale Mass Stranding Response to Kalapaki
- Hands-Only CPR (HOCPR) at Kapa`a High School – 137 Ninth Graders attended
- Breast Cancer Awareness - Paint The Town Pink Walk
- Prevention Cancer Awareness Duty T-Shirt completed
- Jr. Lifeguard celebration at Veterans Center
- Council Meeting regarding Kauai Life Guard (KLA) Donation
- Kamalani Bridge renamed to Bynum Bridge
- Governor’s Proclamation in regards to Fire Prevention Week
- PMRF Navy Ball
- FBI Threat Briefing Meeting
- KLA Donation of a New Jr Lifeguard Prevention Trailer accepted by Council
- New AEDs for King Kaumuali`i School and Chiefess Kamakahalei Middle School
- Men’s Conference
- Deputy Fire Chief and Fire Captain attended TEEEX Fire Officer 1 Course (5-day) in Texas

## **NOVEMBER 2017**

- Department Head Meetings
- Fire Commission Meeting
- Climate Change Meeting
- Annual Public School Fire Inspections
- Senate Ways and Means Committee Meeting Brief on Lihue Airport Helicopter Hangar
- CERT Graduation at St. Catherine’s School
- SAR-EX Meeting at EOC
- Fire Shows West (Prevention)
- Ballistic Missile Training
- County building Christmas Light hanging
- KHUG Meeting
- Promotional Pinning Ceremony for 6 Firefighters and 2 Lifeguards
- 27<sup>th</sup> Recruit Graduation Ceremony for 5 Firefighter Recruits
- Water Safety Task Force Meeting
- Meeting with State Legislature on shortfalls and Ke`e Beach Lifeguard Memorandum of Agreement (MOA)



## **DECEMBER 2017**

- Department Head Meetings
- Fire Commission Meeting
- Meeting with Hawai'i Gas regarding new Storage Facility
- Bargaining Unit (BU 14) Mediation
- Bargaining Unit (BU 11) Caucus
- Waimea Christmas Parade

## **JANUARY 2018**

- Department Head Meetings
- Ground Breaking for Adolescent Drug Treatment Center
- HGEA Negotiations
- Electronic Plan Review (EPR) Training
- Doubling up Roving Patrol on North Shore due to anticipated large swells
- Nuclear Missile Attack False Alarm
- Roving Patrol activated for 10 hour days for Extreme High Surf January 13-14, 2018
- Structure Fire in Makaweli Valley
- Meeting with COK Parks & Recreation and Planning regarding Po'ipu Lifeguard Tower
- False Alarm Missile Alert After-Action Review
- Promotional Pinning Ceremony for 22 Firefighters
- KLA Truck Donation to Ocean Safety
- Deputy Fire Chief attended NFA New Fire Chief Course (6-day) in Maryland
- KHUG Meeting

## **FEBRUARY 2018**

- Department Head Meeting
- Pilot Whale Mass Stranding After-Action Briefing
- Captains Boot Camp
- FirstNet and AT&T Meeting
- Community Development Block Grant (CDBG) Kalaheo Fire Station Rehabilitation Walkthrough
- DOW Pioneer Ground Breaking
- Budget Hearing
- Ongoing CERT Classes
- SFC Quarterly Meeting
- Deputy Fire Chief and Battalion Chief attended TEEX Fire Officer 2 Course (5-day) in Texas

### **MARCH 2018**

- Department Head Meetings
- County Council Meeting
- Fire Commission Meeting
- Meeting with Ian Jung and Andy Fein in re Kilauea Fire Station location (Hay Property)
- Quarterly Workers Compensation Claims Review Meeting
- BLS/USLA Training at Lydgate Beach
- Relocation of Po`ipu LG Tower
- KFD Personnel attended Vision 20/20 Conference in Virginia
- Fire Chief attended Red Cross for Heroes in Mayors absence
- KFD Personnel attended COK Human Resources Training “Day in the Life of an Effective Supervisor”
- Low Water Alarm Activation at Nāwiliwili Harbor
- State Fire Council (SFC) Special Hearing on administrative rules
- Heavy Rains closed Hanalei Bridge

### **APRIL 2018**

- Department Head Meeting
- Fire Commission Meeting
- Council meeting on residential sprinklers
- COK Annual Employee Recognition Banquet
- KHUG Meeting
- BU 11 Caucus Meeting
- Waikoko/Wainiha Landslide Event on North Shore due to heavy rains
- Meeting with Parks & Recreation on Po`ipu Tower Relocation
- Meeting regarding digitizing paging systems to stations
- Fire Fighter 3/Ocean Safety Officer 3 Boot Camp
- BU 11 Negotiations
- HGEA Meeting regarding final arbitration awards

### **MAY 2018**

- Department Head Meeting
- Fire Commission Meeting
- May 1, 2018 Jr LG registrations via Eventbrite
- Ongoing North Shore recovery
- CDBG Grant Kalaheo Fire Station Rededication

- Community Meetings with Mayor and COK Representatives for Flooding Event Victims
- OSB Personnel provided Water Safety escort for the Kauai World Challenge
- Visitor Industry Charity Walk
- Nukumoi Tower Blessing
- Prevention Staff Meeting with Movie Filming Crew
- Demobilization of EOC
- HFFA Negotiation Meetings
- FEMA Meetings for Flood Event Claim Processes
- Agricultural Awareness Day at Wailua CTAHR Station
- Deputy Fire Chief attended TEEEX Fire Officer 3 & 4 Course (10-day) in Texas
- Deputy Fire Chief attended Center for Public Safety Excellence (CPSE) 3-day Quality Improvement through Accreditation Class in Honolulu

### **JUNE 2018**

- Fire Commission Meeting
- Jr. Lifeguard Program at Salt Pond
- West Kauai Community Plan Meeting
- FEMA exploratory call teleconference
- OSB Presentation to summer fun interns
- FEMA Meetings at KEMA
- Ladder 4 at Kukui Grove Father's Day Car show
- Jr. Lifeguard Program at Kalapaki
- Jr. Lifeguard Program at Hanalei
- Deputy Fire Chief presented at Office of Hawaiian Affairs (OHA) Informational Meeting at Waipa Foundation for flood victims
- Prevention Meeting with Coconut Beach Resort Developer
- Resiliency Reconstruction Webinar
- Brushfire Mitigation Meeting
- Prevention Meeting with New Kōloa Shopping Village Developers

### **FIRE OPERATIONS BUREAU**

#### **FIRE SUPPRESSION, RESCUE, & EMERGENCY MEDICAL CALLS**

Fire Operations Bureau is comprised of one (1) Assistant Fire Chief, three (3) Battalion Chiefs, 135 Total Fire Line Personnel, including 21 Fire Suppression Captains, three (3) Hazmat Captains, three (3) Rescue Captains, 27 Fire Apparatus Operators, six (6) Fire Rescue Specialists, nine (9)

Hazardous Materials Technicians, and 63 Fire Fighters. They respond to fire and hazmat/rescue incidents and assist in all 911 emergency medical calls.

KFD Firefighters work 24-hour shifts for an average of 56-hours per week. Firefighters are assigned to three (3) Battalions, each consisting of 44 Firefighters. Each Battalion staffs eight (8) Fire Stations with Companies/Crews consisting of a Fire Apparatus Operator (FAO) and Firefighters and/or Firefighter Trainees under the command of a Fire Captain, with the exception of the Līhuʻe Fire Station which has an Engine Suppression Captain and a Rescue Captain, two (2) Fire Rescue Apparatus Operators and two (2) Fire Rescue Specialists. The Līhuʻe Fire Station is the designated home base for the Rescue Company and the on-duty Battalion Chief.

Firefighters 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 (5) Personnel, with the exception of Līhuʻe which is a Nine-Person Station.

## **MONTHLY ACTIVITY HIGHLIGHTS**

### **JULY 2017**

1. R3, Air 1 airlifted two female hikers from Waimea Canyon
2. R3, Air1 airlifted injured hiker from Hanakapi`ai Falls, Na Pali
3. E8, T8, E2, T2, Air1, BC3 30 acre brushfire Anahola
4. E8, T8, T2, Air1 brushfire Kealia Kai
5. E7, T7 respond to three car fire Na Pali Lookout
6. R3, Air1, E7, T7 Hunter fell off Polihale Ridge, airlifted out of canyon
7. E8 T8, T2, Air1, BC1 brushfire Anahola
8. E3, R3, Air1 airlifted injured female hiker from Wailua Falls
9. E4, T4, E5, T5, R3, T3, BC3 kitchen fire Olympic Café, Po`ipu
10. E1, T1, R3, Air1 airlifted injured hiker from Queens Bath, Princeville
11. E7, T7, T6 car fire turned into brushfire Polihale
12. E2, T2, T8, Air 1 brushfire above Wailua Marina
13. E1, T1, R3, Air1 airlifted injured hiker from Hanakapi`ai Falls, Na Pali
14. E2, T2 garage fire

### **AUGUST 2017**

1. Air1, R3 airlifted injured hiker from Waipo`o Falls, Waimea Canyon
2. Air1, R3, E7, T7 search for three hikers lost in Koke`e
3. OSB, E1, T1 CPR male kite surfer fronting Camp Naue, Ha`ena
4. R3, Air1, E1, T1 airlifted injured hiker from Hanakapi`ai Falls, Na Pali

5. E7, T7 search for two lost hikers Waimea Valley
6. E7, T7 search for two lost hikers Kaluapuhi Trail, Waimea Canyon
7. E7, T7, E6, T6, E5, T5, BC R3, T3 structure fire Io Road, Kekaha
8. E6, T6 OSB located and returned lost kite surfer

### **SEPTEMBER 2017**

1. R3, Air1, E7, T7 airlifted injured hiker from Miloli'i, Na Pali
2. E6, T6, E7, T7 Ski7 OSB responded to overturned zodiac rescued nine personnel
3. E2, T2 4 year old child run over by truck at Kamalani Bridge, Wailua
4. T7, assisted walking male hiker out of Waipo'o Falls, Waimea Canyon
5. E8, T8 rescue female with injured knee Ho'opi'i Falls, Kapa'a
6. E1, T1 R3, Air1 airlifted injured hiker from Hanakapi'ai Falls, Na Pali
7. R3, Air1 airlifted injured hiker from Kalalau, Na Pali
8. E1, T1, Ski1, Air1, R3 multi-day search for missing snorkeler
9. E1, T1, R3 Air1 airlifted injured hiker from Hanakapi'ai, Na Pali
10. R3, Air1 airlifted injured hiker eight miles in on Na Pali Trail
11. Air1, E8, T8, T1 Tender brushfire Larsen's Beach, Ko'olau
12. T7, T6 brushfire at Makaweli Valley, Waimea
13. R3, Air1 brushfire Kalalau Valley, Na Pali
14. L4, T4, E5, T5 BC, Air1 brush fire at Po'ipu
15. E2, T2 Air1 R3 airlift injured hiker from Lihau Road, Wailua
16. E8, T8 Anahola brushfire
17. R3, Air1, DLNR airlifted assault victim from Kalalau, Na Pali

### **OCTOBER 2017**

1. R3, Air1 airlifted injured hiker from Kalalau, Na Pali
2. R3, Air1 airlifted injured hiker from Hanakapi'ai, Na Pali
3. E2, T2, Whaler 2, E3, & recruits respond to beached whales Kalapaki Beach, Nawiliwili
4. R3, Air1, E1, T1, E8, T8 respond to Larsen's Beach, Ko'olau rescued swimmer-in-distress
5. E6 unresponsive kayaker brought to Port Allen Boat Ramp by private boat
6. R3, Air1 airlifted injured hiker Okolehao Trail, Hanalei
7. R3, Air1 E2, T2 airlifted injured hiker from Na Pali Trail
8. Air1, R3, E2, T2 airlifted injured hike from Na Pali Trail

### **NOVEMBER 2017**

1. R3, Air1 airlifted six month pregnant female from six miles in on Na Pali Trail
2. E3, R3, L4 BC condominium fire Banyan Harbor, Lihue
3. E1, T1 OSB rescue two swimmers sucked our Anini Channel, Princeville

4. R3, E3, E2, T2 BC, T3 structure fire Nawiliwili Road, Lihue
5. E7, T7, E6, T6 BC brushfire near Kekaha Mill, Kekaha
6. E2, T2 E8, T8 DOH HAZMAT drum washed ashore

#### **DECEMBER 2017**

1. E3, T3, R3 Lights on Rice Parade, Lihue
2. E1, T1, R3, BC, T3 Structure fire Ha'ena
3. E8, T8 structure fire unpermitted abandoned structure
4. E2, T2 OSB drowning Lydgate Pond, Wailua
5. E8, T8, T2, E2R3, T3, BC kitchen fire Sam's Ocean View Restaurant, Kapa`a
6. R3, Air1 airlifted injured hiker from Hanakoa Valley, Na Pali
7. E2, T2, R3 airlifted injured hiker from Uluwehi Falls, Wailua
8. Air1, R3 airlifted injured hiker from Hanakapi'ai Falls, Na Pali
9. E6, T6 found burned body while fighting brushfire along Kaumuali'i Highway, Kaumakani

#### **JANUARY 2018**

1. E1, T1, R3, Air1 injured hiker from Hanakapi'ai, Na Pali
2. E1, T1 brushfire above homeless camp Waikoko, Hanalei
3. E1, T1, R3, Air1 female fell off 80-foot cliff
4. E7, T7 gunshot victim
5. E7, T7, E6, T6 structure fire Makaweli Valley, Waimea
6. E1, T1, R3, Air1 recovery drowning victim outside Hanakapi'ai Beach, Na Pali
7. E1, T1, R3, Air1 airlifted injured hiker from Kalalau, Na Pali
8. E1, T1, R3, Air1 airlifted injured hiker from Hanakapi'ai, Na Pali
9. R3, Air1 E7, T7 airlifted injured hiker from Waimea Canyon
10. E1, T1, R3, Air1 OSB ocean search for missing fisherman outside Pukamoi, Kalihiwai and recovered two days later

#### **FEBRUARY 2018**

1. E2, T2, R3, Air1 airlifted injured hiker from Sleeping Giant, Wailua
2. E1, T1, OSB swimmer-in-distress outside Anini Channel, Princeville rescued by bystander using a beach-located rescue tube
3. E1, T1, R3, Air1 airlifted full-bodied male with cardiac episode from Queen's Bath, Princeville
4. E8, T8, E2, T2, R3, T3, BC respond to structure fire Nounou Road, Wailua
5. E1, T1, E8, T8, R3, T3, Tender, BC structure fire N. Waiakalua, Kilauea
6. E1, T1, Landslide between Waikoko & Lumahai closes road for two days
7. L4, T4, OSB male drowning Po'ipu Beach

8. E5, T5, E6, T6, R3, T3, BC respond to structure fire Wawae Rd., Kalaheo

### **MARCH 2018**

1. E1, T1, OSB rescue swimmer CPR performed
2. E7, T7, R3, Air1 rescue injured hiker Nualolo Trail, Koke'e
3. E7, T7, R3, Air1 airlifted injured hiker Alaka'i Trail, Koke'e
4. E1, T1, R3, Air 1 airlifted stranded hiker above 2-Door Cave, Na Pali
5. E1, T1, R3, Air1 airlifted injured hiker Hanakapi'ai Valley, Na Pali
6. E6, T6, E5, T5, R3, T3 BC structure fire Pu'olo Road, Hanapepe
7. E2, T2, R3, Air1 airlift injured hiker from Uluwehi Falls, Wailua
8. E1, T1, R3, Air 1 airlift injured hiker from Na Pali Trail

### **APRIL 2018**

1. E5, T5, E6, T6, R3, T3 BC structure fire Kalaheo
2. E2, T2, OSB rescue stranded hikers Uluwehi Falls, Wailua
3. April 14-15 Waikoko-Wainiha Landslides/Flood Event   \*\*NUMEROUS RESCUES\*\*
4. \*Rescue of Note: Lawai Valley flood victim & baby trapped; Air 1 R3 fly under power lines in lightning storm to rescue

### **MAY 2018**

1. E7, T7, R3, carry injured hiker off `Awa`awapuhi Trail, Koke'e
2. Airborne Aviation Helicopter hard landing in Lumahai Valley
3. E1, T1 house fire Wainiha, put out by residents
4. L4, T4 OSB drowning Waiohai Bay, Koloa
5. E1, T1, R3 vehicle went over cliff at Kalihiwai Point and patient survived
6. E3, R3, T3, BC electrical fire JJ's Broiler, Nawiliwili

### **JUNE 2018**

1. E1, T1, BC treehouse fire Wainiha
2. E1, t1, R3, Air 1 OSB drowning Larsen's Beach, Ko'olau
3. E8, T8, R3, Air1 airlift injured hiker form Ho'opi'i Falls, Kapa'a
4. E2, T2, R3, Air 1 found missing hiker on Nounou Sleeping Giant, Wailua
5. E2, T2, R3, Air 1 mountain biker in distress Kalepa Ridge, Lihue

## EMERGENCY CALL REPORT BY INITIAL DISPATCHED UNIT

FY JULY 1, 2017 – JUNE 30, 2018

Incident Type	Sta 1	Sta 2	Sta 3	Res 3	Sta 4	Sta 5	Sta 6	Sta 7	Sta 8	Total
Fire	30	41	26	11	22	11	43	25	82	291
Rupture/Explosion	0	0	0	0	0	0	0	0	0	0
EMS/Rescue	553	674	630	585	622	437	352	315	566	4734
Hazardous Condition	6	7	4	1	3	4	1	0	16	42
Service Call	26	53	63	65	54	42	29	41	66	439
Good Intent	142	65	110	60	73	36	21	25	84	616
False Call	26	20	48	8	24	16	6	15	26	189
Severe Weather	8	0	0	1	0	0	0	0	1	10
Other	2	0	0	13	1	0	0	1	0	17
<b>Totals:</b>	<b>793</b>	<b>860</b>	<b>881</b>	<b>744</b>	<b>799</b>	<b>546</b>	<b>452</b>	<b>422</b>	<b>841</b>	<b>6338</b>

### TRAINING BUREAU

#### PURPOSE & INTENT

The responsibility of the Training Bureau is to train firefighters and support services to department personnel in a variety of disciplines. Training classes include Incident Command & Control, Fire Ground Operations utilizing our Burn Trailer, Emergency Medical Services such as NREMT-B, First Responder, and American Heart Association Basic Life Support (BLS) Pre-Hospital Provider Cardio Pulmonary Resuscitation (CPR) (High Performance CPR), HAZMAT Operations/Technician, CBRNE (Chemical, Biological, Radiological, Nuclear, Explosive ), Apparatus Driver Training, Vehicle Extrication, Ropes Rescue Operations utilizing low and high angle, Helicopter Short-Haul Techniques, Ocean Rescue under USLA ARRT, and Swift Water Rescue Training. It is also the responsibility of the Training Bureau is also responsible to develop the training curriculum of new firefighter, as well as facilitate training courses for Operations, Prevention, and Fire Administration Bureaus.

The goal of the Training Bureau is to provide proactive response teams with professional skills and knowledge who can work in a safe and efficient manner for the County of Kauai. The Training Bureau is also responsible for the research and evaluation of new equipment for cost



effectiveness, compatibility, ease of use, and safety.

The Training Officer acts as the Safety Officer on major operations under the Incident Command System.

## **DUTIES**

The Training Bureau is staffed by three (3) Training Officers: one (1) Training Captain and two (2) Firefighter 3s - one of which is responsible for Emergency Medical Services Training. The Training Bureau reports to the Deputy Fire Chief for the overall functions and operations. The Training Officers are responsible for planning, organizing, implementing, monitoring, and the record keeping of all Training Programs. Training Bureau conducts research, tests, and recommends changes for new and improved Fire Suppression and Emergency Medical Services technology, safer and more efficient operations and procedures for all disciplines of the fire service.

## **GOALS & OBJECTIVES**

To develop and maintain proficient, professional and structured training programs that will enhance service to the community and safety for department personnel.

- Enhance safety programs - Train firefighters to think and practice safety at all times on the job
- Standardize drills to give personnel structured training throughout the department
- Conduct on duty training regiments on Fire Ground Operations, Extrication, Rope Rescue Operations, and High-Performance CPR to further streamline training costs
- Developing curriculum and certifications for promotional positions
- Provide IFSAC Certification in collaboration with the Honolulu Fire Department (HFD) Training Certification Bureau
- Continue to utilize FEMA/NFA reimbursed classes to supplement Department Training.
- Review and update Department Training Manuals
- Adhere to national standards of firefighter and incident command & control training
- Utilize computer programs to maintain and digitize complete and accurate drill records for all personnel
- Train personnel to the highest medical standards possible: Emergency Medical Responder (First Responder) to NREMT-B transitioning to Hawaii State-level EMT
- To develop and certify more in-house fire service instructors & trainers

## **TRAINING ACTIVITIES**

In FY17-18, the KFD 28<sup>th</sup> Recruit Class began March 2018 and will receive IFSAC certifications in Firefighter 1 (FF1) and Firefighter 2 (FF2), HAZMAT Awareness and Operations, National Registry Emergency Medical Technician Basic (NREMT-B) Training, KFD Driver Training, USLA ARRT Training, and Wildland S130/190 Training.

The Training Bureau facilitates the certification and recertification of all Fire Personnel in the following disciplines of firefighting and emergency response:

- American Heart Association (AHA) Basic Life Support (BLS) Pre-Hospital Provider Cardio-Pulmonary Resuscitation (CPR)
- AHA BLS Healthcare Provider CPR Instructors
- PHTLS Pre-Hospital Trauma Life Support
- Automatic External Defibrillator (AED) usage
- Water Rescue USLA (ARRT)
- Basic Life Support First Responder
- National Registry Emergency Medical Technician Basic (NREMT-B)
- Hazardous Materials Emergency Response (HAZMAT) Technician
- Hazardous Materials Emergency Response (HAZMAT) Operations
- Driver Improvement Training
- Vehicle Extrication
- Fire Ground Operations

Fire Operations Monthly Drills conducted on-duty include, but are not limited to:

- Fire Ground Operations
- Fire Streams
- Self-Contained Breathing Apparatus (SCBA) Donning/Doffing
- Ground Ladders
- Rope Rescue Systems
- Forcible Entry
- Ventilation
- Salvage & Overhaul
- Apparatus Pump Operations
- Driver Training
- Foam Firefighting Use
- Building Construction
- Fire Protection Systems

- Hazardous Materials (HAZMAT) Response
- CPR
- First Aid
- Water Supply
- Firefighter Safety
- Fire Behavior
- Portable Fire Extinguishers
- Search and Rescue
- Fire Ground Survival

Fire Personnel Count who attended the following training sessions held on Kauai:

- NREMT-B (8-weeks) 7
- TEEEX Wide Area Search Rescue 18
- ICS 300/400 4
- Advanced Burn Life Support 24

## **CERTIFICATIONS**

At the completion of fiscal year 2017-2018, KFD is comprised of the following number of certified personnel:

- NREMT-B 61
- First Responders 85
- CPR/AED Responders 146
- HAZMAT Operations/Awareness 146
- HAZMAT Technicians 121
- Critical Incident Stress Management (CISM) 13
- USAR 15
- Fire Fighter 1 146
- Fire Fighter 2 146
- Fire Instructor 1 25
- Fire Instructor 2 12
- Fire Officer 1 3
- Fire Officer 2 2
- Fire Officer 3 1
- Fire Officer 4 1

## **FIRE SERVICE INSTRUCTORS**



## **ACCOMPLISHMENTS**

- 7 personnel completed NREMT Certifications.
- 15 personnel completed NREMT Re-certifications.
- IFSAC FF1 and FF2 certification for all KFD personnel through historical recognition
- 4 personnel completed HAZMAT Technician certification on Oahu.
- 4 Personnel completed ICS 300 and 400 classes.
- 1<sup>st</sup> Responder recertification in house by KFD NREMT's with over sight from KCC.
- Hands Only CPR Training 2240 Participants.
- 146 Fall Prevention Encounters
- Target Solutions Online Training Management System Target implemented April 2018
- 27<sup>th</sup> Recruit Class graduated in November 2017
- Completed Annual Physical Exams for department
- Ordered 45 New Sets of PPE Turnout Gear
- Purchased 800 duty T-Shirts
- Reorganized & streamlined Process for Department Medical Supply Ordering

## **PREVENTION BUREAU**

### **PURPOSE & INTENT**

The 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 Prevention Bureau objectives in creating a fire-safe environment for the County of Kauai.

### **DUTIES**

- To promote fire prevention and life safety awareness in the community
- To reduce and minimize fire hazard conditions
- To investigate the origin and cause of fires
- To enforce the Kauai County Fire Code.

### **PREVENTION ACTIVITIES**

The focus of the Prevention Bureau is to provide fire safety and fire prevention education to the schools and the community. In an effort to promote Fire Safety, the 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 Prevention 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 (SFC), the Hawaii Department of Education (DOE), and the Hawaii Department of Accounting and General Services (DAGS) 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, Lihū`e Lights on Rice Christmas Parade, Kukui Grove Christmas Parade, the County’s Halloween Spooktacular, and Kauai Farm Bureau Fair.

Fire Inspectors Kaleo Saiki, John Cornell, and Jeremy Albano attended the New Fire/Arson Investigator Academy course put on by the Public Agency Training Council. This course is a 5-day training on the fundamentals of conducting a fire investigation.

Captain Daryl Date and Fire Inspector Blair Yamashita attended the Fire Shows West Conference held in Reno, Nevada. This conference provided an array of valuable educational sessions, ranging from fire operations, leadership, fire prevention, and fireworks safety.

Fire Inspector Jeremy Albano attended the Edu-Code Conference in Nevada. This conference provided education in the utilization of the International Building Code, in which we cross reference quite often in plan review and inspections. Sessions on Fire Sprinkler Plan Review and Fire Alarm Systems were also offered.

Fire Inspectors Kaleo Saiki and John Cornell attended an NFPA 13 (Installation of Sprinkler Systems) Seminar. This was essential for their temporary assignment role to the vacant Fire Lieutenant position, whose main responsibility is plan review.

Captain Daryl Date attended a Youth Fire Prevention Intervention Training on Oahu. This training covered the development of an intervention program to deal with youth fire-setters.

Fire Inspectors Saiki and Albano attended a public fireworks displays seminar on Oahu. Safety measures in regards to NFPA standards were addressed.

Captain Daryl Date attended the National Fire Protection Association (NFPA) Conference and Expo. Captain Date was presented with the newest innovations and trends in the fire protection industry. A preview of public education products and tools were made available. Seminars were conducted by NFPA board members and code professionals.

Captain Daryl Date and Fire Inspector John Cornell assisted in a courtroom testimony training for the Kauai County Prosecutors. Fire investigator expertise roles were played out in a mock trial format, in order for the new prosecuting attorneys to gain experience.

Captain Date and Inspector Saiki attended the Hawaii Association of County Building Officials conference. Members of the Building Departments and Fire Departments statewide, who are involved with building permits come together and discuss issues. There are also presentations on subject matters that may involve multiple counties throughout the state. One that was very informative dealt with the safety concerns of food trucks.

The 10<sup>th</sup> Annual Brushfire Mitigation Meeting was held at the beginning of the summer season for the major landowners of Kauai. This is an opportunity to remind the land owners of their responsibilities per the fire code as it relates to wildland urban interface. The CWPP (Community Wildfire Protection Plan) for Kauai was discussed. Landowners are informed of federal grants that are available for brushfire mitigation. Contacts are updated, as well as a list of resources that may be available in fire situations. A meteorologist from NOAA also gave a presentation on the weather outlook for the calendar year. Elton Ushio from the Kauai Emergency Management Agency (KEMA) gave a presentation on the Unified Command Structure that was utilized during the major floods that occurred on the North and South shore areas of our island.

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

Fire Safety Modules & Presentations were made at the New Fire Captain and New Fire Fighter 3 Boot camps. The Boot Camp was designed to provide essential information to the newly promoted. This multi-day event covered an array of different subject matters. Fire Prevention Presentations included topics such as Codes and Standards, Plan Review, Inspections, and Fire Investigations.

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

Prevention Bureau also participated in a number of community functions such as Home Depot's child project day, the Waimea High School Health Fair, the Aloha School Carnival, and the Department of Water's Make a Splash Festival.

### **FIRE PREVENTION WEEK OCTOBER 8-14, 2017**

Fire Prevention Week Activities take place on the week of October 9. It is a commemoration of the Great Chicago Fire of 1871. The 2017 National Fire Protection Association's Fire Prevention Week theme was **"Every Second Counts; Plan 2 Ways Out!"**

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

The Fire Fighter's Safety Guides are distributed annually in October coinciding with Fire Prevention Week (FPW). The Fire Safety Trailer instructs at public schools in the spring to help reinforce the FPW fire safety messages. As an incentive for student participation, the FFSH guides contained a coupon book with a number of valuable coupons.

The Fire Prevention Week message was distributed in The Garden Island newspaper in a number of different languages: English, Japanese, Hawaiian, and Filipino. A Sunday TGI Newspaper Spaedia featured all of the members of the Kauai Fire department at their respective work assignments, as well as fire safety tips. The Kauai Family Magazine featured Fire Prevention Week in a full page layout in their fall issue.

This is the sixth year that we incorporated the Sparky Fire Safety Trailer to educate the children on the basic principles of fire safety, including have working smoke alarms, creating a fire



escape plan showing two ways out, stay low and go, stop-drop-roll, having a designated safe meeting place, calling 911 from a safe location, and practicing the fire escape plan. Not only was education focused on fire safety, but Hands-Only CPR (HOCPR) 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.

## **FIRE INVESTIGATIONS MONTHLY SUMMARY**

### **JULY 2017**

07/10/17	Olympic Café, Kiahuna Shopping Village, Po'ipu	Accidental	\$100,000
07/13/17	Residential, 4117 Waiahi St., Hanamaulu	Accidental	\$500

### **AUGUST 2017**

08/30/17	Residential, 4565 Io Rd., Kekaha	Accidental	\$25,000
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### **SEPTEMBER 2017**

\*None

### **OCTOBER 2017**

\*None

### **NOVEMBER 2017**

11/13/17	Residential, Banyan Harbor	Accidental	\$2,000
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### **DECEMBER 2017**

12/10/17	Residential, 5-7709 Kuhio Hwy, Ha`ena	Undetermined	\$10,000
12/19/17	Sam's Ocean View Restaurant, 4-1546 Kuhio Hwy, Kapa`a	Accidental	\$100,000

### **JANUARY 2018**

01/01/18	Residential, 5101 Kaunaloa St., Hanapepe	Accidental	\$500
01/12/18	Hawaiian Style Hale, Makaweli Valley, Waimea	Accidental	\$10,000

### **FEBRUARY 2018**

02/17/18	Residential, 4945 Nunu Rd., Kapa`a	Undetermined	\$313,000
02/18/18	Residential, 4620 Waiakalua St., Kilauea	Accidental	\$700,000

02/26/18	Residential, 3200 Wawae Rd., Kalaheo	Undetermined	\$700,000
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**MARCH 2018**

03/01/18	Residential, 5418 Kuapapa St., Kapa`a	Accidental	\$2,000
03/21/18	Residential, 4505 Pu`olo Rd., Hanapepe	Undetermined	\$274,000

**APRIL 2018**

04/12/18	Residential, 3564 Kaloke Rd., Kalaheo	Incendiary	\$350,000
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**MAY 2018**

05/29/18	JJ's Broiler, 3416 Rice St., Lihue	Accidental	\$1,000
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**JUNE 2018**

06/09/18	Tree House, 4601 Ala`eke Rd., Ha`ena	Undetermined	\$1,500
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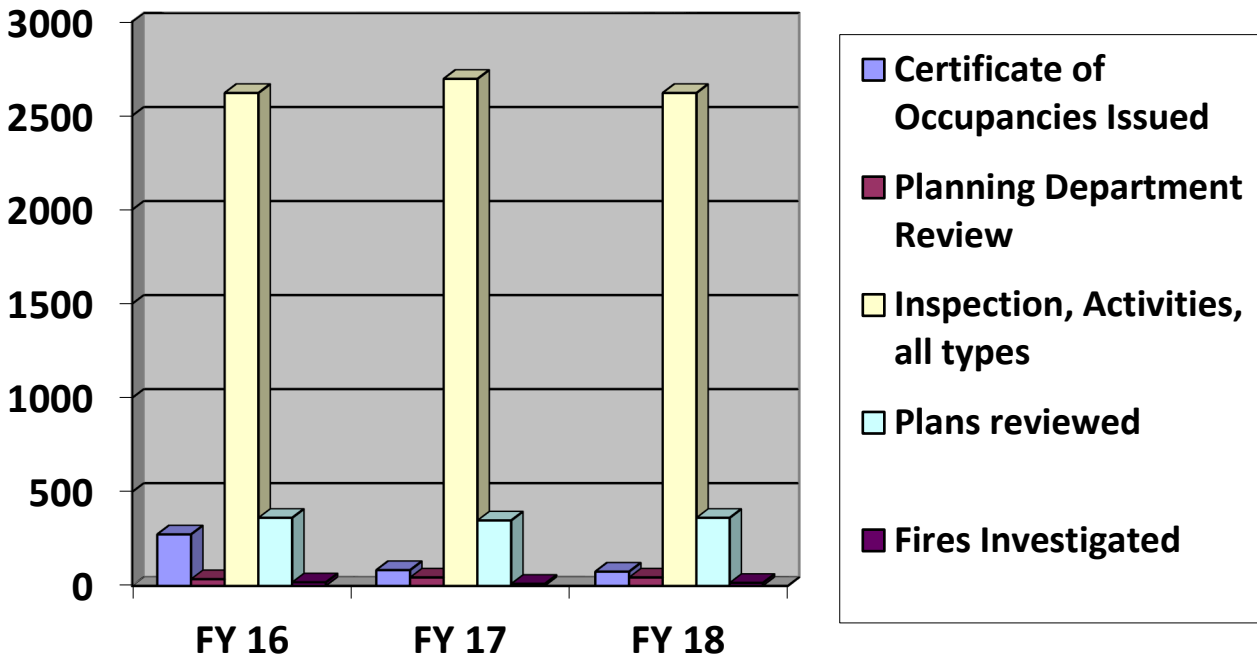
<b>TOTAL ESTIMATED DAMAGE</b>		<b>\$ 2,589,500</b>	
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**FIRE INSPECTIONS & ACTIVITIES – ALL TYPES**

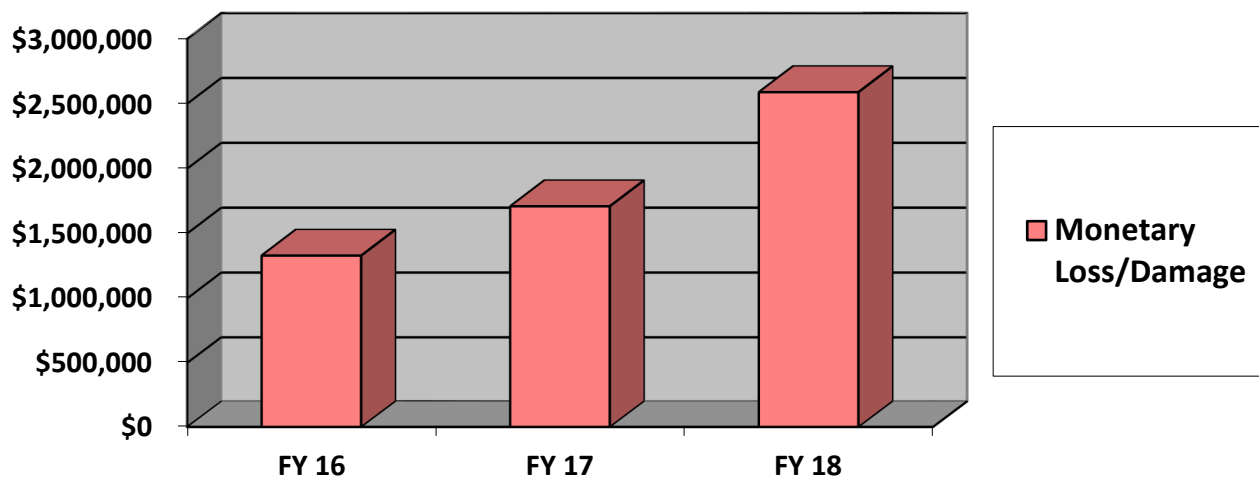
Hospitals	1
Adult Residential Care Home	1
Schools (Pre, public, private, adult Ed)	53
Certificate of Occupancy	74
AG/UG Tank Installation	13
Tank Removal	0
Planning Department Reviews	40
Building Permit Plans Review	362
ADU Clearance Reviews	77
Temporary Structure/Tent Permits	33
Fireworks License Applications	14
Firecracker Purchase/ Use Permits	399
Fireworks Inspections	34
Fire Investigations	16
Notice of Violation	9
Fire Protection Systems Review	11
Witnessed Acceptance Tests	62
Preliminary Project Reviews	8
Business Occupancy Inspections	149
Complaint Investigations	2
DOH Agriculture Burning Permits Reviewed	37
Miscellaneous Inspections	12
Re-Inspections	22
Code Research Projects	264
State Fire Council Meeting/Activity	3
Correspondence In/Out	130
Miscellaneous	752
Fire Safety Trailer Events	29
Fire Extinguisher Training	14
<b>Total Activities</b>	<b>2621</b>

**YEARLY ACTIVITY COMPARISON**

<b>PREVENTION ACTIVITY</b>	<b>FY 16</b>	<b>FY 17</b>	<b>FY 18</b>
Certificate of Occupancies Issued	84	76	74
Planning Department Review	45	45	40
Inspection, Activities, all types	2,707	2,696	2,621
Plans reviewed	399	348	362
Fires Investigated	19	11	16
Monetary Loss/Damage	\$1,329,900	\$1,710,000	\$2,589,500



**YEARLY FIRE LOSS & DAMAGE ESTIMATE COMPARISON**



## OCEAN SAFETY BUREAU

### **PURPOSE & INTENT**

The mission of the Kauai Fire Department Ocean Safety Bureau (OSB) is to provide a comprehensive ocean safety and lifeguard program for the island of Kauai, which includes prevention, response, rescue and public education components.

### **PROGRAM**

The 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 Kauai's residents and visitors. OSB's 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 Kauai Lifeguard Association (KLA), Hawaiian Lifeguard Association (HLA), The Kauai Visitors Bureau, State Drowning & Spinal Cord Injury Prevention Committee, The Rotary Clubs, and the Hawaii Tourism Authority, the goal of raising ocean awareness is being realized.

Staffing is the most vital component to any lifeguarding service. In OSB, there are 52 Full-time lifeguard positions, and five (5) Part-time lifeguard positions. Through a memorandum of agreement, four (4) of the Full-time positions and one (1) Part-time position at Ke`e Beach Tower are funded by the State Department of Land & Natural Resources State Parks Division.

OSB has a three (3) Lifeguard Districts: North District, East District, and South/West District. Each District has one (1) Ocean Safety Officer 4 (Captain) and one (1) Ocean Safety Officer 3 (Lieutenant). An OSO 4 Prevention/Training Captain oversees an OSO 3 Prevention/Training Lieutenant position. Prevention/Training are responsible for maintaining all mandatory certification training, prevention and education programs, and developing the most effective training curriculum for OSB lifeguards. The Ocean Safety Bureau also has an Office Support Technician/Clerk assisting with all administrative office duties, with an overall Ocean Safety Supervising Officer 5 (OSSO 5) managing and supervising all OSB operational tasks.

In FY 17-18, the new Nukumoi Lifeguard Tower was added to the OSB operations on the South/West District at Po`ipu Beach. Currently, there are a total of eleven (11) Lifeguard Towers in full-time operation. In the North District, there are four (4) Towers located at Hanalei Pavilion, Hanalei Pine Trees, Ha`ena Beach Park, and Ke`e State Beach. In the East District, there are three (3) Towers located at Anahola Beach, Kealia Beach, and Lydgate Beach. In the

South/West District, there are four (4) Towers located at Po`ipu Beach Park, Nukumoi Beach, Salt Pond Beach Park, and Kekaha Beach. Each of the three (3) Lifeguard Districts is staffed with a Roving Patrol Jetski Unit.

Emergency response equipment is another important part of OSB rescue operations. OSB utilizes All-Terrain Vehicles (ATV) in operation at Kealia, Ha`ena, Ke`e, Lydgate, Anahola, and Kekaha Beach. Three (3) new Utility Vehicles (Mules) are also stationed at various lifeguard towers to assist with patrols and response times. OSB's response capabilities are complemented by Kauai Fire Department's rescue boats and Jetskis. Our island of Kauai is covered well by ocean response vessels, which are operated in a professional and courteous manner.

## **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 lifeguard training programs to assure our personnel are at the highest level of excellence
- To develop and implement an effective management structure with an appropriate span of control
- To increase the number of staff and gain a greater level of effectiveness
- To reduce response times and to increase the chain-of-survival by upgrading to the state of the art equipment
- To integrate smoothly with current emergency response units

## **OCEAN SAFETY ACTIVITIES**

Education is an essential part of the Ocean Safety Bureau's program. OSB features the Junior Lifeguard Program, which targets male/female youth ages 12 to 17 years old. Last year, there were over 300 kids who participated in the Junior Lifeguard Program, which was offered twice at each of the three (3) locations: Salt Pond Beach Park, Hanalei Pavilion, and Kalapaki Beach. With six (6) program offerings, OSB is able to cover the majority of the island in educating Kauai's youth of ocean safety awareness and inspires the next generation of youth to be active, remain drug-free, and stay positively engaged. Likewise, the Keiki Lifeguard Program is modeled after the Junior Lifeguard Program and targets children 8 to 11 years old. OSB's Keiki Lifeguard Program was also offered twice at each of the three (3) locations: Salt Pond Beach

Park, Hanalei Pavilion, and Kalapaki Beach. Keiki Lifeguard Program reached out to more than 300 participants. Each year, both programs are in high demand and are resounding successes.

Our Junior Lifeguard and Keiki Lifeguard Programs are made possible by the tremendous support of many community groups and agencies, like the Kauai Lifeguard Association (KLA), Hawaiian Lifeguard Association (HLA), the Hawaii Tourism Authority (HTA), and the Kauai Fire Department (KFD). One intangible benefit of the Junior Lifeguard Program is that it is a great workforce recruiting tool for future OSB lifeguards. Currently, OSB has six (6) Lifeguards who have participated and graduated for our Junior Lifeguard Program.

In the 2017, Hawaii State Junior Lifeguard Championships, OSB's Junior Lifeguard Program produced a few State Champions and placed 1<sup>st</sup> Overall after placing 2<sup>nd</sup> in 2016. Prior to 2016, OSB's Junior Lifeguard Program held a 12-year consecutive winning streak. Nevertheless, OSB assisted and accompanied 12 Junior Lifeguards to the 2017 National Championships at Daytona Beach, Florida with a few individuals becoming National champions and one of our female participants chosen to be on the USA World Youth team. Kauai Lifeguard Association hosted a Junior Lifeguard Program Celebration Event to recognize all who made the program so successful.

Each year, OSB is involved with a number of community service events around Kauai. OSB assisted in the annual Kauai World Challenge one-man canoe race, the Hanalei Bay Ocean Swim, and the Na Pali SUP Race. OSB also participated in school career days, delivered ocean safety awareness presentations to community groups, and briefed island visitors at various resorts.

OSB offers mandatory lifeguard training on an annual basis to maintain and/or upgrade the highest level of rescue skills required of the profession. The annual OSB Training Curriculum includes, but is not limited to the United States Lifeguard Association (USLA) Open Ocean Lifesaving Guidelines, First Responder Recertification, and CPR/AED certifications. OSB personnel participate in other training including ATV safety rider course, Emergency Vehicle Driver Training, Trailering Certifications, and Boating Safety training. OSB also collaborates with KFD Training Bureau in their respective offerings. For the first time in OSB history, three (3) OSB Roving Patrol Jet Ski Personnel participated and gained certification in the National Registry Emergency Medical Technician Basic (NREMT-B) 8-week course.

In October 2017, OSB assisted Kauai Fire Department, DLNR, and NOAA with a Pilot Whale Mass Stranding at Kalapaki Beach. OSB personnel utilized Roving Patrol Jet Skis to assist most of the pilot whale pod back out to sea.

OSB's Roving Patrol Jetski Units are now permanent and have shown tremendous value in conducting numerous rescues, reducing the number of drowning incidents at unguarded beaches, and increasing the level of community ocean safety awareness. The Rescue Craft Training Program has also enhanced ocean safety services, by reducing response times, extending beach coverage, and setting the standard worldwide for progressive lifesaving techniques. The future goals of the Rescue Craft Training Program are to work together with the other island jurisdictions and the HGEA Union to create a rescue craft operator position. A supplemental agreement has been established for operator and crew member compensation.

All OSB Trucks are equipped with AEDs, Medical First Aid/Oxygen Kits, and all proper ocean rescue equipment, including masks, fins, and rescue boards. All the OSB Trucks are available to respond independently to any ocean-related emergencies without the use of Tower equipment.

OSB Chief Kalani Vierra gave a presentation on Kauai's ocean safety initiatives at the Hawaii Islands Trauma Symposium Conference. OSB Chief Vierra also attended the annual State Drowning Prevention & Ocean Safety Conference on Oahu which commemorated 100 years of lifesaving. Chief Vierra also attended the World Drowning Prevention Conference and USLA Board of Directors Educational Conference in Vancouver, Canada.

The new Prevention Education Trailer, funded by KLA, is in full operation and has become a very valuable resource to the Ocean Safety Bureau. This Prevention Education Trailer has been utilized in the Junior Lifeguard Program, at various schools, career days, Kauai County Fair, and any other organizational events requesting ocean safety awareness presentations or education. OSB & KLA have also combined forces to produce a new ocean safety video that is featured at the Lihue Airport Baggage Claim areas and at a few resorts around Kauai.

In 2017-2018, there were seven (7) deaths, related to drowning from swimming pools, snorkeling, fresh water, or scuba diving accidents. Five (5) of these drownings occurred at unguarded beaches. With 484 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.



**TOWER ACTIVITY SUMMARY**

- Drownings 7
- Rescues/Assists 353
- Public Contacts 242,083
- \*\*Preventative Actions 168,141
- Minor First Aid 5,989

**ROVING PATROL ACTIVITY SUMMARY**

- Jet Ski Rescues/Assist 64
- Other Rescue/Assist 69
- Public Contact 24,726
- \*\*Preventative Actions 11,776
- Minor First Aid 742

**Total Estimated Beachgoers (Guarded Beaches and Roving Patrol): \*2,532,081**

\*Note: At guarded beaches, visual beachgoer counts are taken three (3) times daily at 10:00 am, 1:00 pm, and 4:00 pm. The figures above reflect the average of these visual counts.

**COMMUNITY EMERGENCY RESPONSE TEAM (CERT)**

**PURPOSE & INTENT**

The Kauai Community Emergency Response Team (CERT) Program trains citizens to be prepared for disasters of any kind, and to take care of themselves, family, friends, and neighbors when professional emergency responders cannot respond. CERT establishes volunteer teams to assist professional responders during major emergencies, provides emergency management resources, and provide opportunities and projects that improve Kauai's disaster resilience.

**PROGRAM**

In early summer, CERT hosts an Annual Training Event where learned skills are refreshed and practiced. CERT focuses on triage, splinting & bandaging, communications, traffic/crowd management, and fire extinguisher training. This year’s Training Event was canceled due to the April 2018 Waikoko-Wainiha Landslides/Flood Event affecting most of Kauai. Our CERT Volunteers were activated by the Emergency Operations Center (EOC) and assisted with Logistics at the Princeville Airport Command Post. CERT Volunteers also assisted with Emergency Shelter

checks and supply chain inventory/security. The presence of CERT was an invaluable resource for the April Landslide/Flood Event Unified Command Operations.

**CERT ACTIVITY SUMMARY**

**24-HOUR BASIC TRAINING COURSE**

October-November 2017	Kapa`a	22 graduates
January-February 2018	Lihue	22 graduates
March-April 2018	Hanalei	6 graduates
June 2018 Teen CERT	Lihue	9 graduates

**CERT TRAINING**

August 2017	Wide Area Search and Rescue	15 personnel
April 2018	Traffic Management	24 personnel

**EMERGENCY EVENT ACTIVATION**

April 2018	Wainiha-Waikoko Landslides/Flood Event	100+ personnel
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**COMMUNITY EVENT ASSISTANCE**

April 2018	American Cancer Relay for Life (Parking Management	17 personnel
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**EQUIPMENT ACQUISITION**

- Westside Communications trailer
- Ham Radio equipment
- Generator

**AUTHORIZED PERSONNEL**

**As of June 30, 2018**

**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

*Payroll Specialist	1
<b><u>MAINTENANCE</u></b>	
*Lead Fire Equipment Mechanic	1
*Fire Equipment Mechanic	1
<b><u>TRAINING BUREAU</u></b>	
Fire Captain	1
Fire Fighter III (Trainer)	2
<b><u>FIRE PREVENTION BUREAU</u></b>	
Fire Captain	1
Fire Prevention Inspector II	1
Fire Fighter III (Prevention Inspector)	3
<b><u>FIRE SUPPRESSION &amp; HAZMAT/RESCUE</u></b>	
Battalion Fire Chief	3
Fire Captain	27
Fire Fighter III	27
Fire Fighter II (Rescue)	6
Fire Fighter II (Hazmat)	9
Fire Fighter I	44
Fire Fighter Trainee	19
<b><u>OCEAN SAFETY BUREAU</u></b>	
Ocean Safety Officer V	1
Ocean Safety Officer IV	4
Ocean Safety Officer III	4
Ocean Safety Officer II	35
Ocean Safety Officer I	14
*Program Support Technician II	1
<b><u>SUB-TOTALS</u></b>	
Uniformed Personnel - Fire	145
Uniformed Personnel - Ocean Safety	58
*Civilian Personnel	9
<b>TOTAL - ALL PERSONNEL</b>	<b><u>213</u></b>